

# Injector Performance Table

## Water Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 283<br>15mm Threads |                           | Model 287<br>15mm Threads |                           | Model 384<br>15mm Threads |                           | Model 384X<br>15mm Threads |                           | Model 484<br>15mm & 20mm Threads |                           | Model 484X<br>20mm Threads |                           |
|--|--------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|----------------------------------|---------------------------|----------------------------|---------------------------|
| Injector<br>Inlet                        | Injector<br>Outlet | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min |
| 0.35                                     | 0.00               | 0.64                      | 0.20                      | 1.1                       | 0.33                      | 2.7                       | 0.65                      | 2.7                        | 0.73                      | 4.5                              | 0.92                      | 4.5                        | 1.4                       |
|  | 0.07               |                           | 0.13                      |                           | 0.16                      |                           | 0.54                      |                            | 0.65                      |                                  | 1.0                       |                            |                           |
|  | 0.14               |                           | 0.06                      |                           | 0.11                      |                           | 0.47                      |                            | 0.42                      |                                  | 0.75                      |                            |                           |
|  | 0.21               |                           |                           |                           | <0.10                     |                           | 0.32                      |                            |                           |                                  | 0.46                      |                            |                           |
|  | 0.28               |                           | *(0.25)                   |                           | *(0.25)                   |                           | *(0.27)                   |                            | *(0.20)                   |                                  | *(0.31)                   |                            | *(0.25)                   |
| 0.70                                     | 0.00               | 0.91                      | 0.30                      | 1.2                       | 0.39                      | 3.8                       | 0.96                      | 3.8                        | 1.1                       | 6.4                              | 1.1                       | 6.4                        | 1.8                       |
|  | 0.14               |                           | 0.18                      |                           | 0.30                      |                           | 0.72                      |                            | 0.85                      |                                  | 0.88                      |                            |                           |
|  | 0.35               |                           | 0.07                      |                           | 0.12                      |                           | 0.48                      |                            | 0.12                      |                                  | 0.38                      |                            |                           |
|  | 0.49               |                           |                           |                           | <0.10                     |                           | 0.13                      |                            |                           |                                  | 0.17                      |                            |                           |
|  | 0.56               |                           | *(0.49)                   |                           | *(0.54)                   |                           | *(0.58)                   |                            | *(0.46)                   |                                  | *(0.59)                   |                            | *(0.53)                   |
| 1.05                                     | 0.00               | 1.1                       | 0.34                      | 1.6                       | 0.43                      | 4.6                       | 0.84                      | 4.6                        | 1.7                       | 7.8                              | 1.1                       | 7.8                        | 2.4                       |
|  | 0.35               |                           | 0.17                      |                           | 0.26                      |                           | 0.71                      |                            | 0.72                      |                                  | 1.3                       |                            |                           |
|  | 0.49               |                           | 0.11                      |                           | 0.18                      |                           | 0.53                      |                            | 0.26                      |                                  | 0.98                      |                            |                           |
|  | 0.70               |                           |                           |                           | <0.10                     |                           | 0.30                      |                            |                           |                                  |                           |                            |                           |
|  | 0.84               |                           | *(0.74)                   |                           | *(0.81)                   |                           | *(0.91)                   |                            | *(0.68)                   |                                  | *(0.88)                   |                            | *(0.61)                   |
| 1.41                                     | 0.00               | 1.2                       | 0.37                      | 1.9                       | 0.44                      | 5.4                       | 0.82                      | 5.4                        | 1.8                       | 9.0                              | 1.1                       | 9.0                        | 2.4                       |
|  | 0.35               |                           | 0.23                      |                           | 0.38                      |                           | 0.83                      |                            | 0.98                      |                                  | 1.7                       |                            |                           |
|  | 0.70               |                           | 0.13                      |                           | 0.21                      |                           | 0.58                      |                            | 0.19                      |                                  | 0.84                      |                            |                           |
|  | 0.84               |                           | 0.03                      |                           | 0.12                      |                           | 0.40                      |                            |                           |                                  | 0.53                      |                            |                           |
|  | 1.05               |                           | *(1.05)                   |                           | *(1.12)                   |                           | *(1.16)                   |                            | *(0.87)                   |                                  | *(1.20)                   |                            | *(0.93)                   |
| 1.76                                     | 0.00               | 1.3                       | 0.37                      | 2.2                       | 0.49                      | 6.0                       | 0.89                      | 6.0                        | 2.0                       | 10.1                             | 1.1                       | 10.1                       | 2.4                       |
|  | 0.35               |                           | 0.20                      |                           | 0.44                      |                           | 0.89                      |                            | 1.0                       |                                  | 2.0                       |                            |                           |
|  | 0.70               |                           | 0.16                      |                           | 0.28                      |                           | 0.80                      |                            | 0.70                      |                                  | 1.3                       |                            |                           |
|  | 1.05               |                           | 0.04                      |                           | 0.15                      |                           | 0.42                      |                            |                           |                                  | 0.62                      |                            |                           |
|  | 1.41               |                           | *(1.30)                   |                           | *(1.37)                   |                           | *(1.44)                   |                            | *(1.06)                   |                                  | *(1.52)                   |                            | *(1.16)                   |
| 2.11                                     | 0.00               | 1.5                       | 0.38                      | 2.5                       | 0.50                      | 6.6                       | 0.89                      | 6.6                        | 2.1                       | 11.1                             | 1.0                       | 11.1                       | 2.5                       |
|  | 0.35               |                           | 0.37                      |                           | 0.50                      |                           | 0.91                      |                            | 1.5                       |                                  | 2.4                       |                            |                           |
|  | 0.70               |                           | 0.24                      |                           | 0.35                      |                           | 0.87                      |                            | 1.0                       |                                  | 1.8                       |                            |                           |
|  | 1.05               |                           | 0.15                      |                           | 0.23                      |                           | 0.67                      |                            | 0.44                      |                                  | 1.0                       |                            |                           |
|  | 1.41               |                           | 0.05                      |                           | 0.11                      |                           | 0.28                      |                            |                           |                                  | 0.44                      |                            |                           |
| 1.76                                     | *(1.58)            | *(1.72)                   | *(1.77)                   | *(1.27)                   | *(1.79)                   | *(1.20)                   |                           |                            |                           |                                  |                           |                            |                           |
| 2.46                                     | 0.00               | 1.5                       | 0.38                      | 2.6                       | 0.51                      | 7.1                       | 0.91                      | 7.1                        | 2.1                       | 11.9                             | 1.0                       | 11.9                       | 2.5                       |
|  | 0.35               |                           | 0.38                      |                           | 0.50                      |                           | 0.91                      |                            | 1.8                       |                                  | 2.4                       |                            |                           |
|  | 0.70               |                           | 0.30                      |                           | 0.43                      |                           | 0.91                      |                            | 1.2                       |                                  | 2.1                       |                            |                           |
|  | 1.05               |                           | 0.21                      |                           | 0.32                      |                           | 0.86                      |                            | 0.67                      |                                  | 1.5                       |                            |                           |
|  | 1.41               |                           | 0.11                      |                           | 0.19                      |                           | 0.59                      |                            |                           |                                  | 0.93                      |                            |                           |
| 1.76                                     | *(1.83)            | *(1.90)                   | *(2.01)                   | *(1.46)                   | *(2.07)                   | *(1.65)                   |                           |                            |                           |                                  |                           |                            |                           |
| 2.81                                     | 0.00               | 1.6                       | 0.38                      | 2.8                       | 0.51                      | 7.6                       | 0.89                      | 7.6                        | 2.1                       | 12.8                             | 1.0                       | 12.8                       | 2.5                       |
|  | 0.35               |                           | 0.38                      |                           | 0.51                      |                           | 0.89                      |                            | 1.1                       |                                  | 2.4                       |                            |                           |
|  | 0.70               |                           | 0.35                      |                           | 0.47                      |                           | 0.88                      |                            | 1.5                       |                                  | 2.4                       |                            |                           |
|  | 1.05               |                           | 0.26                      |                           | 0.40                      |                           | 0.88                      |                            | 0.89                      |                                  | 1.8                       |                            |                           |
|  | 1.41               |                           | 0.16                      |                           | 0.27                      |                           | 0.79                      |                            | 0.22                      |                                  | 1.3                       |                            |                           |
| 1.76                                     | 0.07               | 0.17                      | 0.47                      |                           | 0.41                      |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.11                                     | *(2.07)            | *(2.18)                   | *(2.25)                   | *(1.60)                   | *(2.34)                   | *(1.84)                   |                           |                            |                           |                                  |                           |                            |                           |
| 3.16                                     | 0.00               | 1.7                       | 0.38                      | 3.1                       | 0.51                      | 8.0                       | 0.86                      | 8.0                        | 2.1                       | 13.5                             | 1.0                       | 13.5                       | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.51                      |                           | 0.87                      |                            | 1.9                       |                                  | 2.4                       |                            |                           |
|  | 0.70               |                           | 0.37                      |                           | 0.51                      |                           | 0.87                      |                            | 1.9                       |                                  | 2.3                       |                            |                           |
|  | 1.05               |                           | 0.31                      |                           | 0.44                      |                           | 0.86                      |                            | 1.1                       |                                  | 2.2                       |                            |                           |
|  | 1.41               |                           | 0.21                      |                           | 0.35                      |                           | 0.87                      |                            | 0.69                      |                                  | 1.6                       |                            |                           |
| 1.76                                     | 0.17               | 0.25                      | 0.76                      | <0.10                     | 1.1                       |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.11                                     | 0.06               | 0.15                      | 0.38                      |                           | 0.64                      |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.46                                     | *(2.35)            | *(2.46)                   | *(2.54)                   | *(1.84)                   | *(2.59)                   | *(1.78)                   |                           |                            |                           |                                  |                           |                            |                           |
| 3.52                                     | 0.00               | 1.8                       | 0.38                      | 3.2                       | 0.52                      | 8.5                       | 0.89                      | 8.5                        | 2.1                       | 14.3                             | 1.0                       | 14.3                       | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.52                      |                           | 0.89                      |                            | 2.0                       |                                  | 2.5                       |                            |                           |
|  | 0.70               |                           | 0.38                      |                           | 0.52                      |                           | 0.89                      |                            | 2.0                       |                                  | 2.4                       |                            |                           |
|  | 1.05               |                           | 0.36                      |                           | 0.50                      |                           | 0.89                      |                            | 1.5                       |                                  | 2.3                       |                            |                           |
|  | 1.41               |                           | 0.30                      |                           | 0.37                      |                           | 0.85                      |                            | 0.96                      |                                  | 1.8                       |                            |                           |
| 1.76                                     | 0.22               | 0.28                      | 0.85                      | 0.42                      | 0.51                      |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.11                                     | 0.13               | 0.19                      | 0.63                      |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.46                                     | 0.04               | <0.10                     | 0.38                      |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
| 2.81                                     | *(2.60)            | *(2.74)                   | *(2.78)                   | *(2.02)                   | *(2.88)                   | *(2.04)                   |                           |                            |                           |                                  |                           |                            |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Water Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 283<br>15mm Threads |                           | Model 287<br>15mm Threads |                           | Model 384<br>15mm Threads |                           | Model 384X<br>15mm Threads |                           | Model 484<br>15mm & 20mm Threads |                           | Model 484X<br>20mm Threads |                           |
|--|--------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|----------------------------------|---------------------------|----------------------------|---------------------------|
| Injector<br>Inlet                        | Injector<br>Outlet | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min |
| <b>4.22</b>                              | 0.00               | <b>2.0</b>                | 0.38                      | <b>3.5</b>                | 0.52                      | <b>9.3</b>                | 0.86                      | <b>9.3</b>                 | 2.1                       | <b>15.6</b>                      | 1.1                       | <b>15.6</b>                | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.52                      |                           | 0.86                      |                            | 2.1                       |                                  | 1.1                       |                            | 2.6                       |
|  | 0.70               |                           | 0.38                      |                           | 0.49                      |                           | 0.85                      |                            | 2.1                       |                                  | 1.1                       |                            | 2.4                       |
|  | 1.05               |                           | 0.38                      |                           | 0.49                      |                           | 0.85                      |                            | 2.0                       |                                  | 1.1                       |                            | 2.4                       |
|  | 1.41               |                           | 0.36                      |                           | 0.49                      |                           | 0.84                      |                            | 1.5                       |                                  | 1.1                       |                            | 2.3                       |
|  | 2.11               |                           | 0.24                      |                           | 0.36                      |                           | 0.78                      |                            | .57                       |                                  | 1.0                       |                            | 1.4                       |
|  | 2.46               |                           | 0.15                      |                           | 0.26                      |                           | 0.73                      |                            | <0.10                     |                                  | 0.96                      |                            |                           |
|  | 2.81               |                           | 0.08                      |                           | 0.17                      |                           | 0.52                      |                            |                           |                                  | 0.75                      |                            |                           |
|  | 3.16               |                           |                           |                           | 0.10                      |                           | 0.15                      |                            |                           |                                  |                           |                            |                           |
|  |                    |                           | *(3.20)                   |                           |                           |                           | *(3.30)                   |                            |                           |                                  | *(3.33)                   |                            |                           |
| <b>4.92</b>                              | 0.00               | <b>2.2</b>                | 0.38                      | <b>3.8</b>                | 0.52                      | <b>10.0</b>               | 0.76                      | <b>10.0</b>                | 2.2                       | <b>16.9</b>                      | 1.1                       | <b>16.9</b>                | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.52                      |                           | 0.76                      |                            | 2.2                       |                                  | 1.1                       |                            | 2.6                       |
|  | 0.70               |                           | 0.38                      |                           | 0.52                      |                           | 0.77                      |                            | 2.1                       |                                  | 1.0                       |                            | 2.4                       |
|  | 1.05               |                           | 0.38                      |                           | 0.52                      |                           | 0.76                      |                            | 2.0                       |                                  | 1.0                       |                            | 2.3                       |
|  | 1.41               |                           | 0.38                      |                           | 0.52                      |                           | 0.77                      |                            | 1.9                       |                                  | 1.0                       |                            | 2.2                       |
|  | 2.11               |                           | 0.33                      |                           | 0.47                      |                           | 0.77                      |                            | 1.1                       |                                  | 1.0                       |                            | 1.9                       |
|  | 2.81               |                           | 0.18                      |                           | 0.30                      |                           | 0.75                      |                            | 0.21                      |                                  | 1.0                       |                            | 1.0                       |
|  | 3.16               |                           | 0.12                      |                           | 0.22                      |                           | 0.69                      |                            |                           |                                  | 0.84                      |                            |                           |
|  | 3.52               |                           | 0.05                      |                           | 0.11                      |                           | 0.47                      |                            |                           |                                  | 0.71                      |                            |                           |
|  | 3.87               |                           |                           |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
|  | *(3.80)            |                           | *(3.87)                   |                           | *(3.68)                   |                           | *(2.92)                   |                            | *(4.11)                   |                                  | *(2.86)                   |                            |                           |
| <b>5.62</b>                              | 0.00               | <b>2.3</b>                | 0.38                      | <b>4.0</b>                | 0.52                      | <b>10.7</b>               | 0.73                      | <b>10.7</b>                | 2.1                       | <b>18.0</b>                      | 1.0                       | <b>18.0</b>                | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.52                      |                           | 0.73                      |                            | 2.1                       |                                  | 1.0                       |                            | 2.6                       |
|  | 0.70               |                           | 0.38                      |                           | 0.52                      |                           | 0.73                      |                            | 2.1                       |                                  | 1.0                       |                            | 2.6                       |
|  | 1.05               |                           | 0.38                      |                           | 0.52                      |                           | 0.73                      |                            | 2.0                       |                                  | 1.0                       |                            | 2.5                       |
|  | 1.41               |                           | 0.38                      |                           | 0.52                      |                           | 0.73                      |                            | 1.9                       |                                  | 1.0                       |                            | 2.5                       |
|  | 2.11               |                           | 0.38                      |                           | 0.51                      |                           | 0.73                      |                            | 1.6                       |                                  | 1.0                       |                            | 2.5                       |
|  | 2.81               |                           | 0.28                      |                           | 0.40                      |                           | 0.73                      |                            | 0.74                      |                                  | 0.99                      |                            | 1.7                       |
|  | 3.52               |                           | 0.15                      |                           | 0.26                      |                           | 0.71                      |                            |                           |                                  | 0.94                      |                            | 0.43                      |
|  | 4.22               |                           |                           |                           | <0.10                     |                           | 0.43                      |                            |                           |                                  | 0.39                      |                            |                           |
|  | 4.57               |                           |                           |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
|  | *(4.26)            |                           | *(4.43)                   |                           | *(4.35)                   |                           | *(3.32)                   |                            | *(4.64)                   |                                  | *(3.65)                   |                            |                           |
| <b>6.33</b>                              | 0.00               | <b>2.5</b>                | 0.38                      | <b>4.3</b>                | 0.52                      | <b>11.4</b>               | 0.70                      | <b>11.4</b>                | 2.2                       | <b>19.1</b>                      | 0.86                      | <b>19.1</b>                | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.52                      |                           | 0.70                      |                            | 2.1                       |                                  | 0.86                      |                            | 2.6                       |
|  | 0.70               |                           | 0.38                      |                           | 0.52                      |                           | 0.70                      |                            | 2.1                       |                                  | 0.86                      |                            | 2.5                       |
|  | 1.41               |                           | 0.38                      |                           | 0.52                      |                           | 0.70                      |                            | 2.0                       |                                  | 0.86                      |                            | 2.5                       |
|  | 2.11               |                           | 0.38                      |                           | 0.52                      |                           | 0.70                      |                            | 1.8                       |                                  | 0.86                      |                            | 2.4                       |
|  | 2.81               |                           | 0.36                      |                           | 0.50                      |                           | 0.70                      |                            | 1.1                       |                                  | 0.86                      |                            | 2.1                       |
|  | 3.52               |                           | 0.22                      |                           | 0.36                      |                           | 0.70                      |                            | 0.30                      |                                  | 0.86                      |                            | 1.6                       |
|  | 4.22               |                           | 0.10                      |                           | 0.22                      |                           | 0.69                      |                            |                           |                                  | 0.84                      |                            |                           |
|  | 4.92               |                           |                           |                           | <0.10                     |                           | 0.29                      |                            |                           |                                  | 0.26                      |                            |                           |
|  | 5.27               |                           |                           |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
|  | *(4.78)            |                           | *(4.99)                   |                           | *(4.99)                   |                           | *(3.73)                   |                            | *(5.20)                   |                                  | *(3.81)                   |                            |                           |
| <b>7.03</b>                              | 0.00               | <b>2.6</b>                | 0.38                      | <b>4.5</b>                | 0.49                      | <b>12.0</b>               | 0.68                      | <b>12.0</b>                | 2.1                       | <b>20.2</b>                      | 0.83                      | <b>20.2</b>                | 2.6                       |
|  | 0.35               |                           | 0.38                      |                           | 0.49                      |                           | 0.69                      |                            | 2.0                       |                                  | 0.83                      |                            | 2.6                       |
|  | 0.70               |                           | 0.38                      |                           | 0.49                      |                           | 0.68                      |                            | 2.0                       |                                  | 0.83                      |                            | 2.5                       |
|  | 1.41               |                           | 0.38                      |                           | 0.49                      |                           | 0.69                      |                            | 2.0                       |                                  | 0.83                      |                            | 2.5                       |
|  | 2.11               |                           | 0.38                      |                           | 0.49                      |                           | 0.69                      |                            | 1.9                       |                                  | 0.83                      |                            | 2.5                       |
|  | 2.81               |                           | 0.38                      |                           | 0.47                      |                           | 0.68                      |                            | 1.8                       |                                  | 0.83                      |                            | 2.2                       |
|  | 3.52               |                           | 0.32                      |                           | 0.45                      |                           | 0.69                      |                            | 0.77                      |                                  | 0.83                      |                            | 1.7                       |
|  | 4.22               |                           | 0.19                      |                           | 0.33                      |                           | 0.69                      |                            |                           |                                  | 0.83                      |                            |                           |
|  | 4.92               |                           | 0.07                      |                           | 0.19                      |                           | 0.66                      |                            |                           |                                  | 0.81                      |                            |                           |
|  | 5.62               |                           |                           |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
|  | *(5.34)            |                           | *(5.55)                   |                           | *(5.52)                   |                           | *(4.15)                   |                            | *(5.83)                   |                                  | *(4.19)                   |                            |                           |
| <b>8.44</b>                              | 0.00               | <b>2.9</b>                | 0.38                      | <b>5.0</b>                | 0.40                      | <b>13.1</b>               | 0.68                      | <b>13.1</b>                | 2.1                       | <b>22.1</b>                      | 0.77                      | <b>22.1</b>                | 2.8                       |
|  | 0.35               |                           | 0.38                      |                           | 0.40                      |                           | 0.68                      |                            | 2.1                       |                                  | 0.77                      |                            | 2.7                       |
|  | 0.70               |                           | 0.38                      |                           | 0.40                      |                           | 0.68                      |                            | 2.0                       |                                  | 0.77                      |                            | 2.7                       |
|  | 1.41               |                           | 0.38                      |                           | 0.40                      |                           | 0.68                      |                            | 2.0                       |                                  | 0.77                      |                            | 2.6                       |
|  | 2.11               |                           | 0.38                      |                           | 0.40                      |                           | 0.68                      |                            | 1.9                       |                                  | 0.77                      |                            | 2.5                       |
|  | 2.81               |                           | 0.38                      |                           | 0.40                      |                           | 0.68                      |                            | 1.9                       |                                  | 0.77                      |                            | 2.3                       |
|  | 3.52               |                           | 0.35                      |                           | 0.38                      |                           | 0.68                      |                            | 1.5                       |                                  | 0.77                      |                            | 2.0                       |
|  | 4.22               |                           | 0.33                      |                           | 0.37                      |                           | 0.68                      |                            | 0.88                      |                                  | 0.77                      |                            | 1.5                       |
|  | 4.92               |                           | 0.25                      |                           | 0.30                      |                           | 0.68                      |                            | 0.13                      |                                  | 0.76                      |                            | 1.2                       |
|  | 5.62               |                           | 0.15                      |                           | 0.23                      |                           | 0.68                      |                            |                           |                                  | 0.76                      |                            |                           |
| 6.33                                     | 0.06               | <0.10                     | 0.54                      |                           | 0.73                      |                           |                           |                            |                           |                                  |                           |                            |                           |
| 7.03                                     |                    |                           |                           |                           |                           |                           |                           |                            |                           |                                  |                           |                            |                           |
|  | *(6.54)            |                           | *(6.68)                   |                           | *(6.81)                   |                           | *(5.01)                   |                            | *(7.01)                   |                                  | *(5.00)                   |                            |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Water Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 584<br>15mm & 20mm Threads |                           | Model 684<br>20mm Threads |                           | Model 878-03<br>25mm Threads |                           | Model 885X-03<br>25mm Threads |                           | Model 1078-03<br>25mm Threads |                           | Model 1583<br>40mm Threads |                           |
|--|--------------------|----------------------------------|---------------------------|---------------------------|---------------------------|------------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------|----------------------------|---------------------------|
| Injector<br>Inlet                        | Injector<br>Outlet | Motive<br>Flow<br>l/min          | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min |
| 0.35                                     | 0.00               | 7.9                              | 1.8                       | 13.3                      | 1.7                       | 13.8                         | 3.9                       | 13.5                          | 4.9                       | 20.7                          | 6.4                       | 40.6                       | 8.5                       |
|  | 0.07               |                                  | 1.8                       |                           | 1.2                       |                              | 2.2                       |                               | 3.9                       |                               | 2.9                       |                            | 5.3                       |
|  | 0.14               |                                  | 1.7                       |                           | 0.87                      |                              | 1.5                       |                               | 2.6                       |                               | 1.3                       |                            | 3.3                       |
|  | 0.21               |                                  | 1.6                       |                           | 0.41                      |                              | 0.46                      |                               | 0.97                      |                               |                           |                            |                           |
|  | 0.28               |                                  | *(0.31)                   |                           | 0.63                      |                              | *(0.30)                   |                               | 0.35                      |                               | *(0.28)                   |                            | *(0.28)                   |
| 0.70                                     | 0.00               | 11.2                             | 1.7                       | 18.8                      | 1.7                       | 19.5                         | 5.9                       | 19.1                          | 7.3                       | 29.3                          | 6.6                       | 57.4                       | 13.8                      |
|  | 0.14               |                                  | 1.7                       |                           | 1.7                       |                              | 3.9                       |                               | 5.7                       |                               | 4.7                       |                            | 9.0                       |
|  | 0.35               |                                  | 1.7                       |                           | 1.1                       |                              | 2.3                       |                               | 2.8                       |                               | 2.6                       |                            | 4.9                       |
|  | 0.49               |                                  | 0.83                      |                           | 0.68                      |                              | 0.99                      |                               | 1.2                       |                               | 1.2                       |                            | 2.6                       |
|  | 0.56               |                                  | *(0.63)                   |                           | 0.69                      |                              | *(0.60)                   |                               | 0.38                      |                               | *(0.53)                   |                            | *(0.53)                   |
| 1.05                                     | 0.00               | 13.7                             | 1.7                       | 23.0                      | 1.6                       | 23.9                         | 5.5                       | 23.4                          | 8.5                       | 35.9                          | 6.3                       | 70.3                       | 14.2                      |
|  | 0.35               |                                  | 1.7                       |                           | 1.6                       |                              | 3.9                       |                               | 5.2                       |                               | 5.0                       |                            | 10.3                      |
|  | 0.49               |                                  | 1.7                       |                           | 1.5                       |                              | 2.8                       |                               | 3.6                       |                               | 4.0                       |                            | 7.8                       |
|  | 0.70               |                                  | 0.88                      |                           | 0.81                      |                              | 1.4                       |                               | 1.2                       |                               | 2.1                       |                            | 5.4                       |
|  | 0.84               |                                  | *(0.95)                   |                           | 0.69                      |                              | *(0.91)                   |                               | 0.44                      |                               | *(0.77)                   |                            | *(0.77)                   |
| 1.41                                     | 0.00               | 15.8                             | 1.5                       | 26.5                      | 1.5                       | 27.6                         | 5.2                       | 27.0                          | 8.9                       | 41.4                          | 6.1                       | 81.2                       | 14.3                      |
|  | 0.35               |                                  | 1.5                       |                           | 1.5                       |                              | 5.0                       |                               | 7.4                       |                               | 6.0                       |                            | 12.9                      |
|  | 0.70               |                                  | 1.4                       |                           | 1.5                       |                              | 3.0                       |                               | 3.6                       |                               | 4.4                       |                            | 9.0                       |
|  | 0.84               |                                  | 1.2                       |                           | 1.1                       |                              | 2.1                       |                               | 2.2                       |                               | 3.2                       |                            | 8.3                       |
|  | 1.05               |                                  | *(1.27)                   |                           | 0.92                      |                              | *(1.16)                   |                               | 0.65                      |                               | *(0.98)                   |                            | *(0.98)                   |
| 1.76                                     | 0.00               | 17.7                             | 1.5                       | 29.7                      | 1.5                       | 30.9                         | 5.1                       | 30.1                          | 9.0                       | 46.3                          | 6.0                       | 90.8                       | 14.3                      |
|  | 0.35               |                                  | 1.5                       |                           | 1.5                       |                              | 5.1                       |                               | 8.5                       |                               | 6.0                       |                            | 14.2                      |
|  | 0.70               |                                  | 1.5                       |                           | 1.5                       |                              | 4.6                       |                               | 6.0                       |                               | 5.6                       |                            | 12.2                      |
|  | 1.05               |                                  | 1.3                       |                           | 1.5                       |                              | 2.8                       |                               | 2.4                       |                               | 4.3                       |                            | 9.3                       |
|  | 1.41               |                                  | *(1.55)                   |                           | 0.76                      |                              | *(1.48)                   |                               | 0.32                      |                               | *(1.20)                   |                            | *(1.20)                   |
| 2.11                                     | 0.00               | 19.4                             | 1.5                       | 32.5                      | 1.5                       | 33.9                         | 5.0                       | 33.0                          | 9.0                       | 50.8                          | 5.9                       | 99.4                       | 14.2                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 4.9                       |                               | 8.8                       |                               | 5.9                       |                            | 14.2                      |
|  | 0.70               |                                  | 1.5                       |                           | 1.5                       |                              | 4.8                       |                               | 7.9                       |                               | 5.9                       |                            | 13.3                      |
|  | 1.05               |                                  | 1.5                       |                           | 1.5                       |                              | 4.1                       |                               | 4.3                       |                               | 5.1                       |                            | 10.5                      |
|  | 1.41               |                                  | 1.1                       |                           | 0.92                      |                              | 2.2                       |                               | 0.90                      |                               | 3.4                       |                            | 7.9                       |
| 1.76                                     | *(1.90)            | 0.72                             | *(1.83)                   | 0.42                      | *(1.84)                   | *(1.84)                      | *(1.83)                   |                               |                           |                               |                           |                            |                           |
| 2.46                                     | 0.00               | 20.9                             | 1.6                       | 35.1                      | 1.5                       | 36.6                         | 5.0                       | 35.7                          | 8.9                       | 54.8                          | 5.9                       | 107                        | 14.3                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 5.0                       |                               | 8.9                       |                               | 5.9                       |                            | 14.2                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.5                       |                              | 4.8                       |                               | 8.5                       |                               | 5.9                       |                            | 14.1                      |
|  | 1.05               |                                  | 1.5                       |                           | 1.5                       |                              | 4.7                       |                               | 6.7                       |                               | 5.7                       |                            | 12.9                      |
|  | 1.41               |                                  | 1.3                       |                           | 1.5                       |                              | 3.3                       |                               | 3.4                       |                               | 4.6                       |                            | 10.4                      |
| 1.76                                     | *(2.22)            | 1.0                              | *(2.07)                   | 0.81                      | *(2.12)                   | *(2.12)                      | *(2.11)                   | *(2.07)                       |                           |                               |                           |                            |                           |
| 2.81                                     | 0.00               | 22.4                             | 1.6                       | 37.5                      | 1.5                       | 39.1                         | 4.8                       | 38.1                          | 8.8                       | 58.6                          | 5.8                       | 115                        | 14.3                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 4.8                       |                               | 8.9                       |                               | 5.8                       |                            | 14.4                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.5                       |                              | 4.8                       |                               | 8.7                       |                               | 5.8                       |                            | 14.3                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.5                       |                              | 4.8                       |                               | 8.0                       |                               | 5.8                       |                            | 13.9                      |
|  | 1.41               |                                  | 1.5                       |                           | 1.5                       |                              | 4.6                       |                               | 5.7                       |                               | 5.7                       |                            | 12.1                      |
| 1.76                                     | 1.3                | 1.5                              | 3.1                       | 2.3                       | 4.5                       | 9.6                          |                           |                               |                           |                               |                           |                            |                           |
| 2.11                                     | *(2.50)            | 0.94                             | *(2.46)                   | 0.68                      | *(2.42)                   | *(2.42)                      | *(2.42)                   | *(2.35)                       |                           |                               |                           |                            |                           |
| 3.16                                     | 0.00               | 23.7                             | 1.6                       | 39.8                      | 1.5                       | 41.5                         | 5.0                       | 40.5                          | 8.8                       | 62.2                          | 5.8                       | 122                        | 14.3                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 5.0                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.5                       |                              | 5.0                       |                               | 8.7                       |                               | 5.8                       |                            | 14.3                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.5                       |                              | 5.0                       |                               | 8.5                       |                               | 5.8                       |                            | 14.1                      |
|  | 1.41               |                                  | 1.6                       |                           | 1.5                       |                              | 4.9                       |                               | 7.0                       |                               | 5.9                       |                            | 13.4                      |
| 1.76                                     | 1.4                | 1.5                              | 4.2                       | 4.6                       | 5.4                       | 11.0                         |                           |                               |                           |                               |                           |                            |                           |
| 2.11                                     | 1.2                | 1.3                              | 2.7                       | 1.4                       | 4.1                       | 7.1                          |                           |                               |                           |                               |                           |                            |                           |
| 2.46                                     | *(2.81)            | 0.85                             | *(2.64)                   | 0.53                      | *(2.70)                   | *(2.70)                      | *(2.18)                   | *(2.72)                       | *(2.64)                   |                               |                           |                            |                           |
| 3.52                                     | 0.00               | 25.0                             | 1.6                       | 41.9                      | 1.5                       | 43.7                         | 4.7                       | 42.6                          | 8.8                       | 65.5                          | 5.8                       | 128                        | 14.3                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.8                       |                            | 14.3                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.8                       |                            | 14.2                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.5                       |                              | 4.7                       |                               | 8.7                       |                               | 5.8                       |                            | 14.2                      |
|  | 1.41               |                                  | 1.6                       |                           | 1.5                       |                              | 4.7                       |                               | 8.0                       |                               | 5.8                       |                            | 14.1                      |
| 1.76                                     | 1.5                | 1.5                              | 4.3                       | 6.7                       | 5.8                       | 12.8                         |                           |                               |                           |                               |                           |                            |                           |
| 2.11                                     | 1.3                | 1.0                              | 3.5                       | 3.7                       | 5.4                       | 10.8                         |                           |                               |                           |                               |                           |                            |                           |
| 2.46                                     | 0.99               | 0.57                             | 2.3                       | 0.81                      | 4.0                       | 7.6                          |                           |                               |                           |                               |                           |                            |                           |
| 2.81                                     | *(3.16)            | 0.17                             | *(2.95)                   | 0.42                      | *(2.97)                   | *(2.97)                      | *(2.53)                   | *(3.09)                       | *(2.95)                   |                               |                           |                            |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Water Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 584<br>15mm & 20mm Threads |                           | Model 684<br>20mm Threads |                           | Model 878-03<br>25mm Threads |                           | Model 885X-03<br>25mm Threads |                           | Model 1078-03<br>25mm Threads |                           | Model 1583<br>40mm Threads |                           |
|--|--------------------|----------------------------------|---------------------------|---------------------------|---------------------------|------------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------|----------------------------|---------------------------|
| Injector<br>Inlet                        | Injector<br>Outlet | Motive<br>Flow<br>l/min          | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min |
| 4.22                                     | 0.00               | 27.4                             | 1.6                       | 45.9                      | 1.5                       | 47.9                         | 4.5                       | 46.7                          | 8.8                       | 71.8                          | 5.8                       | 141                        | 14.4                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.5                       |                              | 4.5                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.6                       |                              | 4.5                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.5                       |                              | 4.5                       |                               | 8.8                       |                               | 5.8                       |                            | 14.3                      |
|  | 1.41               |                                  | 1.6                       |                           | 1.5                       |                              | 4.5                       |                               | 8.7                       |                               | 5.8                       |                            | 14.3                      |
|  | 2.11               |                                  | 1.6                       |                           | 1.5                       |                              | 4.4                       |                               | 6.9                       |                               | 5.8                       |                            | 13.0                      |
|  | 2.46               |                                  | 1.5                       |                           | 1.5                       |                              | 3.9                       |                               | 4.6                       |                               | 5.7                       |                            | 11.5                      |
|  | 2.81               |                                  | 1.2                       |                           | 0.85                      |                              | 2.6                       |                               | 2.0                       |                               | 4.8                       |                            | 9.3                       |
|  | 3.16               |                                  | *(3.76)                   |                           | 0.90                      |                              | *(3.52)                   |                               | 0.44                      |                               | *(3.60)                   |                            | 1.0                       |
| 4.92                                     | 0.00               | 29.6                             | 1.6                       | 49.6                      | 1.6                       | 51.7                         | 4.6                       | 50.5                          | 8.8                       | 77.5                          | 5.8                       | 152                        | 14.4                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 1.41               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.8                       |                            | 14.4                      |
|  | 2.11               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.5                       |                               | 5.8                       |                            | 14.2                      |
|  | 2.81               |                                  | 1.6                       |                           | 1.6                       |                              | 4.2                       |                               | 5.5                       |                               | 5.8                       |                            | 12.5                      |
|  | 3.16               |                                  | 1.4                       |                           | 1.3                       |                              | 2.9                       |                               | 2.8                       |                               | 5.1                       |                            | 10.0                      |
|  | 3.52               |                                  | 1.0                       |                           | 0.66                      |                              | 1.9                       |                               |                           |                               | 3.4                       |                            | 7.8                       |
| 3.87                                     | *(4.43)            | 0.57                             | *(4.10)                   | 0.43                      | *(4.10)                   | 0.81                         | *(3.59)                   | *(4.14)                       | 1.8                       | *(3.99)                       | 2.7                       |                            |                           |
| 5.62                                     | 0.00               | 31.6                             | 1.6                       | 53.1                      | 1.6                       | 55.3                         | 4.6                       | 53.9                          | 8.8                       | 82.9                          | 5.9                       | 162                        | 14.6                      |
|  | 0.35               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 0.70               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 1.05               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 1.41               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 2.11               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 2.81               |                                  | 1.6                       |                           | 1.6                       |                              | 4.6                       |                               | 7.8                       |                               | 5.9                       |                            | 13.9                      |
|  | 3.52               |                                  | 1.5                       |                           | 1.6                       |                              | 3.5                       |                               | 3.7                       |                               | 5.7                       |                            | 11.1                      |
|  | 4.22               |                                  | 1.0                       |                           | 0.98                      |                              | 1.6                       |                               |                           |                               | 3.3                       |                            | 5.8                       |
| 4.57                                     | *(5.10)            | 0.49                             | *(4.71)                   | 0.31                      | *(4.75)                   | 0.50                         | *(4.01)                   | *(4.82)                       | 2.0                       | *(4.92)                       | 0.75                      |                            |                           |
| 6.33                                     | 0.00               | 33.6                             | 1.7                       | 56.3                      | 1.6                       | 58.7                         | 4.6                       | 57.2                          | 8.9                       | 87.9                          | 5.9                       | 172                        | 14.4                      |
|  | 0.35               |                                  | 1.7                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.4                      |
|  | 0.70               |                                  | 1.7                       |                           | 1.6                       |                              | 4.6                       |                               | 8.9                       |                               | 5.9                       |                            | 14.4                      |
|  | 1.41               |                                  | 1.7                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.4                      |
|  | 2.11               |                                  | 1.7                       |                           | 1.6                       |                              | 4.6                       |                               | 8.8                       |                               | 5.9                       |                            | 14.4                      |
|  | 2.81               |                                  | 1.7                       |                           | 1.6                       |                              | 4.6                       |                               | 8.6                       |                               | 6.0                       |                            | 14.4                      |
|  | 3.52               |                                  | 1.7                       |                           | 1.6                       |                              | 4.4                       |                               | 6.5                       |                               | 5.9                       |                            | 13.7                      |
|  | 4.22               |                                  | 1.5                       |                           | 1.6                       |                              | 3.0                       |                               | 2.1                       |                               | 5.3                       |                            | 11.2                      |
|  | 4.92               |                                  | 0.83                      |                           | 1.6                       |                              | 1.1                       |                               |                           |                               | 2.4                       |                            | 3.0                       |
| 5.27                                     | *(5.66)            | 0.33                             | *(5.34)                   | 0.84                      | *(5.32)                   | <0.10                        | *(4.64)                   | *(5.41)                       | 1.2                       | *(5.14)                       |                           |                            |                           |
| 7.03                                     | 0.00               | 35.4                             | 1.8                       | 59.3                      | 1.4                       | 61.8                         | 4.8                       | 60.3                          | 8.9                       | 92.7                          | 5.9                       | 182                        | 14.6                      |
|  | 0.35               |                                  | 1.8                       |                           | 1.5                       |                              | 4.8                       |                               | 8.9                       |                               | 5.9                       |                            | 14.6                      |
|  | 0.70               |                                  | 1.8                       |                           | 1.5                       |                              | 4.8                       |                               | 8.9                       |                               | 5.9                       |                            | 14.6                      |
|  | 1.41               |                                  | 1.8                       |                           | 1.5                       |                              | 4.8                       |                               | 8.9                       |                               | 5.9                       |                            | 14.6                      |
|  | 2.11               |                                  | 1.8                       |                           | 1.5                       |                              | 4.8                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 2.81               |                                  | 1.8                       |                           | 1.5                       |                              | 4.8                       |                               | 8.8                       |                               | 5.9                       |                            | 14.6                      |
|  | 3.52               |                                  | 1.8                       |                           | 1.5                       |                              | 4.7                       |                               | 8.2                       |                               | 5.9                       |                            | 14.4                      |
|  | 4.22               |                                  | 1.7                       |                           | 1.5                       |                              | 4.2                       |                               | 5.5                       |                               | 5.9                       |                            | 13.0                      |
|  | 4.92               |                                  | 1.4                       |                           | 1.5                       |                              | 2.8                       |                               | 2.0                       |                               | 5.1                       |                            | 9.2                       |
| 5.62                                     | *(6.33)            | 1.0                              | *(5.98)                   | 1.3                       | *(5.94)                   | 0.82                         | *(5.13)                   | *(6.05)                       | 1.9                       | *(5.72)                       | 1.6                       |                            |                           |
| 8.44                                     | 0.00               | 38.7                             | 2.0                       | 65.0                      | 1.5                       | 67.7                         | 4.7                       | 66.1                          | 8.8                       | 101                           | 5.9                       |                            |                           |
|  | 0.35               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.9                       |                            |                           |
|  | 0.70               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.9                       |                            |                           |
|  | 1.41               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.9                       |                            |                           |
|  | 2.11               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.9                       |                            |                           |
|  | 2.81               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.8                       |                               | 5.9                       |                            |                           |
|  | 3.52               |                                  | 2.0                       |                           | 1.5                       |                              | 4.7                       |                               | 8.5                       |                               | 5.9                       |                            |                           |
|  | 4.22               |                                  | 1.9                       |                           | 1.5                       |                              | 4.7                       |                               | 8.2                       |                               | 6.0                       |                            |                           |
|  | 4.92               |                                  | 1.9                       |                           | 1.5                       |                              | 4.4                       |                               | 5.3                       |                               | 5.9                       |                            |                           |
| 5.62                                     | 1.8                | 1.3                              | 3.8                       | 1.7                       | 5.7                       |                              |                           |                               |                           |                               |                           |                            |                           |
| 6.33                                     | 1.0                | 1.2                              | 2.1                       |                           | 3.8                       |                              |                           |                               |                           |                               |                           |                            |                           |
| 7.03                                     | *(7.52)            |                                  | *(7.17)                   | 1.1                       | *(7.14)                   | 0.54                         | *(5.98)                   | *(7.17)                       | 1.4                       |                               |                           |                            |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

| Water Suction Capacity (METRIC) <span style="float: right;">REV 2014</span> |                    |                             |                           |                            |                           |                            |                           |                             |                           |                            |                           |                             |                           |
|---|--------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|-----------------------------|---------------------------|
| Operating Pressure<br>kg/cm <sup>2</sup>                                    |                    | Model 1585X<br>40mm Threads |                           | Model 1587<br>40mm Threads |                           | Model 2081<br>50mm Threads |                           | Model 2083X<br>50mm Threads |                           | Model 3090<br>80mm Threads |                           | Model 4091<br>100mm Threads |                           |
| Injector<br>Inlet   | Injector<br>Outlet | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min |
| 0.35  | 0.00               | 40.6                        | 7.7                       | 67.0                       | 15.4                      | 123                        | 39.7                      | 31.8                        | 28.7                      | 289                        | 66.2                      | 643                         | 132                       |
|   | 0.07               |                             | 4.7                       |                            | 6.4                       |                            | 39.7                      |                             | 9.9                       |                            | 56.7                      |                             | 94.6                      |
|   | 0.14               |                             | 1.6                       |                            | 5.7                       |                            | 39.7                      |                             |                           |                            | 47.8                      |                             | 75.7                      |
|   | 0.21               |                             |                           |                            | 3.4                       |                            | 13.5                      |                             |                           |                            | 28.7                      |                             | 53.0                      |
|   | 0.28               |                             | *(0.25)                   |                            | *(0.29)                   |                            | 8.5                       |                             | *(0.10)                   |                            | *(0.28)                   |                             | *(0.32)                   |
| 0.70  | 0.00               | 57.4                        | 15.2                      | 94.7                       | 17.0                      | 174                        | 39.7                      | 49.6                        | 35.3                      | 409                        | 91.2                      | 810                         | 177                       |
|   | 0.14               |                             | 9.8                       |                            | 15.7                      |                            | 39.7                      |                             | 9.7                       |                            | 91.3                      |                             | 177                       |
|   | 0.35               |                             | 2.7                       |                            | 6.5                       |                            | 29.5                      |                             |                           |                            | 55.0                      |                             | 117                       |
|   | 0.49               |                             |                           |                            | 3.6                       |                            | 9.4                       |                             |                           |                            | 24.9                      |                             | 49.2                      |
|   | 0.56               |                             | *(0.46)                   |                            | *(0.61)                   |                            | 0.90                      |                             | *(0.17)                   |                            | *(0.60)                   |                             | *(0.62)                   |
| 1.05  | 0.00               | 70.3                        | 16.5                      | 116                        | 17.0                      | 213                        | 39.7                      | 60.9                        | 42.3                      | 501                        | 90.4                      | 950                         | 177                       |
|   | 0.35               |                             | 9.9                       |                            | 11.6                      |                            | 39.3                      |                             |                           |                            | 90.0                      |                             | 177                       |
|   | 0.49               |                             | 5.4                       |                            | 9.7                       |                            | 36.3                      |                             |                           |                            | 65.7                      |                             | 143                       |
|   | 0.70               |                             |                           |                            | 6.2                       |                            | 13.4                      |                             |                           |                            | 34.9                      |                             | 45.4                      |
|   | 0.84               |                             | *(0.66)                   |                            | *(0.95)                   |                            | 2.4                       |                             | *(0.26)                   |                            | *(0.95)                   |                             | *(0.92)                   |
| 1.41  | 0.00               | 81.2                        | 19.4                      | 134                        | 16.8                      | 245                        | 39.7                      | 71.5                        | 47.7                      | 578                        | 89.3                      | 1,030                       | 177                       |
|   | 0.35               |                             | 14.6                      |                            | 16.7                      |                            | 39.7                      |                             | 14.9                      |                            | 89.3                      |                             | 177                       |
|   | 0.70               |                             | 7.5                       |                            | 11.0                      |                            | 29.5                      |                             |                           |                            | 73.8                      |                             | 170                       |
|   | 0.84               |                             | 2.4                       |                            | 8.9                       |                            | 18.8                      |                             |                           |                            | 49.9                      |                             | 113                       |
|   | 1.05               |                             | *(0.89)                   |                            | *(1.20)                   |                            | 5.5                       |                             | *(0.40)                   |                            | *(1.20)                   |                             | *(1.23)                   |
| 1.76  | 0.00               | 90.8                        | 20.4                      | 150                        | 16.7                      | 274                        | 39.7                      | 82.5                        | 51.1                      | 646                        | 84.7                      | 1,162                       | 177                       |
|   | 0.35               |                             | 17.3                      |                            | 16.7                      |                            | 39.7                      |                             | 27.0                      |                            | 84.5                      |                             | 177                       |
|   | 0.70               |                             | 12.9                      |                            | 14.4                      |                            | 39.5                      |                             |                           |                            | 85.6                      |                             | 177                       |
|   | 1.05               |                             | 3.1                       |                            | 9.8                       |                            | 25.4                      |                             |                           |                            | 58.6                      |                             | 124                       |
|   | 1.41               |                             | *(1.08)                   |                            | *(1.55)                   |                            | 3.4                       |                             | *(0.50)                   |                            | *(1.51)                   |                             | *(1.53)                   |
| 2.11  | 0.00               | 99.4                        | 20.3                      | 164                        | 16.6                      | 301                        | 39.7                      | 87.4                        | 53.5                      | 708                        | 82.5                      | 1,257                       | 177                       |
|   | 0.35               |                             | 18.9                      |                            | 16.5                      |                            | 39.7                      |                             | 49.1                      |                            | 82.6                      |                             | 177                       |
|   | 0.70               |                             | 15.8                      |                            | 16.9                      |                            | 39.7                      |                             |                           |                            | 82.5                      |                             | 177                       |
|   | 1.05               |                             | 8.6                       |                            | 12.6                      |                            | 32.2                      |                             |                           |                            | 80.8                      |                             | 162                       |
|   | 1.41               |                             |                           |                            | 10.4                      |                            | 21.5                      |                             |                           |                            | 36.4                      |                             | 87.1                      |
| 1.76  | *(1.36)            | *(1.80)                     | 2.1                       | *(0.62)                    | *(1.79)                   | *(1.83)                    | 15.1                      |                             |                           |                            |                           |                             |                           |
| 2.46  | 0.00               | 107                         | 20.5                      | 177                        | 18.0                      | 325                        | 39.7                      | 92.4                        | 53.8                      | 765                        | 81.3                      | 1,363                       | 177                       |
|   | 0.35               |                             | 20.0                      |                            | 17.9                      |                            | 39.7                      |                             | 42.2                      |                            | 81.3                      |                             | 177                       |
|   | 0.70               |                             | 18.0                      |                            | 18.1                      |                            | 39.7                      |                             | 18.1                      |                            | 79.8                      |                             | 177                       |
|   | 1.05               |                             | 12.8                      |                            | 15.8                      |                            | 39.5                      |                             |                           |                            | 80.0                      |                             | 177                       |
|   | 1.41               |                             | 4.2                       |                            | 12.0                      |                            | 29.0                      |                             |                           |                            | 57.1                      |                             | 166                       |
| 1.76  | *(1.58)            | *(2.04)                     | 9.0                       | *(0.73)                    | *(2.07)                   | *(2.14)                    | 90.8                      |                             |                           |                            |                           |                             |                           |
| 2.81  | 0.00               | 115                         | 20.4                      | 189                        | 18.1                      | 347                        | 39.7                      | 99.9                        | 56.6                      | 818                        | 79.1                      | 1,446                       | 177                       |
|   | 0.35               |                             | 20.2                      |                            | 17.9                      |                            | 39.7                      |                             | 58.0                      |                            | 79.1                      |                             | 177                       |
|   | 0.70               |                             | 19.4                      |                            | 17.8                      |                            | 39.7                      |                             | 24.5                      |                            | 79.1                      |                             | 177                       |
|   | 1.05               |                             | 16.2                      |                            | 17.5                      |                            | 39.7                      |                             |                           |                            | 79.2                      |                             | 177                       |
|   | 1.41               |                             | 9.2                       |                            | 15.4                      |                            | 33.0                      |                             |                           |                            | 70.0                      |                             | 177                       |
| 1.76  |                    | 11.3                        | 24.8                      |                            | 44.9                      | 117                        |                           |                             |                           |                            |                           |                             |                           |
| 2.11  | *(1.79)            | *(2.33)                     | 7.2                       | *(0.82)                    | *(2.28)                   | *(2.46)                    | 56.8                      |                             |                           |                            |                           |                             |                           |
| 3.16  | 0.00               | 122                         | 20.5                      | 201                        | 16.3                      | 368                        | 39.7                      | 105                         | 59.7                      | 867                        | 79.4                      | 1,522                       | 177                       |
|   | 0.35               |                             | 20.4                      |                            | 16.3                      |                            | 39.7                      |                             | 47.2                      |                            | 79.4                      |                             | 177                       |
|   | 0.70               |                             | 20.0                      |                            | 16.4                      |                            | 39.7                      |                             | 30.6                      |                            | 79.4                      |                             | 177                       |
|   | 1.05               |                             | 18.1                      |                            | 16.2                      |                            | 39.7                      |                             |                           |                            | 79.3                      |                             | 177                       |
|   | 1.41               |                             | 13.2                      |                            | 16.2                      |                            | 38.2                      |                             |                           |                            | 79.0                      |                             | 177                       |
| 1.76  |                    | 6.7                         | 14.2                      | 32.0                       |                           | 60.6                       | 177                       |                             |                           |                            |                           |                             |                           |
| 2.11  |                    |                             | 9.9                       | 21.5                       |                           | 36.5                       | 151                       |                             |                           |                            |                           |                             |                           |
| 2.46  | *(2.02)            | *(2.69)                     | 4.6                       | *(2.67)                    | 9.4                       | *(0.94)                    | *(2.53)                   | *(2.73)                     | 60.6                      |                            |                           |                             |                           |
| 3.52  | 0.00               | 128                         | 20.3                      | 212                        | 16.4                      | 388                        | 39.7                      | 108                         | 74.1                      | 914                        | 77.9                      | 1,575                       | 177                       |
|   | 0.35               |                             | 20.1                      |                            | 16.3                      |                            | 39.7                      |                             | 80.6                      |                            | 77.9                      |                             | 177                       |
|   | 0.70               |                             | 19.9                      |                            | 16.3                      |                            | 39.7                      |                             | 36.5                      |                            | 77.9                      |                             | 177                       |
|   | 1.05               |                             | 18.7                      |                            | 16.3                      |                            | 39.7                      |                             |                           |                            | 77.9                      |                             | 177                       |
|   | 1.41               |                             | 15.8                      |                            | 16.2                      |                            | 39.7                      |                             |                           |                            | 78.0                      |                             | 177                       |
| 1.76  |                    | 9.8                         | 15.9                      | 37.0                       |                           | 75.3                       | 177                       |                             |                           |                            |                           |                             |                           |
| 2.11  |                    | 2.8                         | 12.9                      | 28.5                       |                           | 55.6                       | 166                       |                             |                           |                            |                           |                             |                           |
| 2.46  |                    |                             | 8.6                       | 18.9                       |                           | 31.5                       | 102                       |                             |                           |                            |                           |                             |                           |
| 2.81  | *(2.28)            | *(2.88)                     | 4.7                       | *(2.92)                    | 7.2                       | *(1.01)                    | *(2.85)                   | *(3.03)                     | 22.7                      |                            |                           |                             |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

# Injector Performance Table

| Water Suction Capacity (METRIC) <span style="float: right;">REV 2014</span> |                    |                             |                           |                            |                           |                            |                           |                             |                           |                            |                           |                             |                           |
|---|--------------------|-----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|-----------------------------|---------------------------|----------------------------|---------------------------|-----------------------------|---------------------------|
| Operating Pressure<br>kg/cm <sup>2</sup>                                    |                    | Model 1585X<br>40mm Threads |                           | Model 1587<br>40mm Threads |                           | Model 2081<br>50mm Threads |                           | Model 2083X<br>50mm Threads |                           | Model 3090<br>80mm Threads |                           | Model 4091<br>100mm Threads |                           |
| Injector<br>Inlet   | Injector<br>Outlet | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Water<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Water<br>Suction<br>l/min |
| 4.22  | 0.00               | 141                         | 20.1                      | 232                        | 17.4                      | 425                        | 39.7                      | 119                         | 85.1                      | 1,001                      | 78.3                      | 1,741                       | 177                       |
|   | 0.35               |                             | 20.1                      |                            | 17.4                      |                            | 39.7                      |                             | 85.9                      |                            | 78.3                      |                             | 177                       |
|   | 0.70               |                             | 20.0                      |                            | 17.4                      |                            | 39.7                      |                             | 53.6                      |                            | 78.3                      |                             | 177                       |
|   | 1.05               |                             | 19.3                      |                            | 17.4                      |                            | 39.7                      |                             | 32.8                      |                            | 78.3                      |                             | 177                       |
|   | 1.41               |                             | 18.2                      |                            | 17.4                      |                            | 39.7                      |                             |                           |                            | 78.4                      |                             | 177                       |
|   | 2.11               |                             | 11.0                      |                            | 17.1                      |                            | 37.8                      |                             |                           |                            | 78.0                      |                             | 177                       |
|   | 2.46               |                             | 4.8                       |                            | 16.3                      |                            | 32.0                      |                             |                           |                            | 71.0                      |                             | 174                       |
|   | 2.81               |                             |                           |                            | 13.4                      |                            | 24.0                      |                             |                           |                            | 47.9                      |                             | 159                       |
|   | 3.16               |                             | *(2.69)                   |                            |                           |                            | 7.4                       |                             | *(3.51)                   |                            | *(3.52)                   |                             | 13.6                      |
| 4.92  | 0.00               | 152                         | 19.9                      | 251                        | 17.4                      | 459                        | 39.7                      | 128                         | 90.2                      | 1,082                      | 77.5                      | 1,874                       | 174                       |
|   | 0.35               |                             | 19.9                      |                            | 17.4                      |                            | 39.7                      |                             | 95.2                      |                            | 77.5                      |                             | 174                       |
|   | 0.70               |                             | 19.9                      |                            | 17.4                      |                            | 39.7                      |                             | 79.5                      |                            | 77.5                      |                             | 174                       |
|   | 1.05               |                             | 19.6                      |                            | 17.4                      |                            | 39.7                      |                             | 45.3                      |                            | 77.5                      |                             | 174                       |
|   | 1.41               |                             | 18.9                      |                            | 17.4                      |                            | 39.7                      |                             | 27.6                      |                            | 77.5                      |                             | 174                       |
|   | 2.11               |                             | 16.4                      |                            | 17.3                      |                            | 39.7                      |                             |                           |                            | 77.4                      |                             | 174                       |
|   | 2.81               |                             | 4.3                       |                            | 16.6                      |                            | 33.3                      |                             |                           |                            | 76.2                      |                             | 174                       |
|   | 3.16               |                             |                           |                            | 13.1                      |                            | 27.7                      |                             |                           |                            | 69.3                      |                             | 174                       |
|   | 3.52               |                             |                           |                            | 9.5                       |                            | 20.5                      |                             |                           |                            | 45.4                      |                             | 117                       |
| 3.87  | *(3.14)            |                             | 3.6                       | *(4.01)                    | *(4.11)                   | 8.9                        | *(1.47)                   |                             | *(4.11)                   | 25.3                       | *(4.25)                   | 60.6                        |                           |
| 5.62  | 0.00               | 162                         | 20.2                      | 268                        | 17.4                      | 491                        | 39.7                      | 132                         | 91.7                      | 1,156                      | 77.5                      | 2,014                       | 170                       |
|   | 0.35               |                             | 20.2                      |                            | 17.4                      |                            | 39.7                      |                             | 95.8                      |                            | 77.5                      |                             | 170                       |
|   | 0.70               |                             | 20.2                      |                            | 17.4                      |                            | 39.7                      |                             | 88.1                      |                            | 77.5                      |                             | 170                       |
|   | 1.05               |                             | 20.2                      |                            | 17.4                      |                            | 39.7                      |                             | 52.0                      |                            | 77.5                      |                             | 170                       |
|   | 1.41               |                             | 19.6                      |                            | 17.4                      |                            | 39.7                      |                             | 36.2                      |                            | 77.5                      |                             | 170                       |
|   | 2.11               |                             | 18.1                      |                            | 17.4                      |                            | 39.7                      |                             |                           |                            | 77.5                      |                             | 170                       |
|   | 2.81               |                             | 13.2                      |                            | 17.2                      |                            | 38.1                      |                             |                           |                            | 77.5                      |                             | 170                       |
|   | 3.52               |                             |                           |                            | 14.5                      |                            | 31.9                      |                             |                           |                            | 73.0                      |                             | 170                       |
|   | 4.22               |                             |                           |                            | 5.8                       |                            | 17.0                      |                             |                           |                            | 37.4                      |                             | 113                       |
| 4.57  | *(3.59)            |                             | 3.2                       | *(4.64)                    | *(4.68)                   | 3.8                        | *(1.70)                   |                             | *(4.75)                   | 18.9                       | *(4.89)                   | 53.0                        |                           |
| 6.33  | 0.00               | 172                         | 19.5                      | 284                        | 17.3                      | 521                        | 39.7                      | 138                         | 93.7                      | 1,226                      | 77.5                      | 2,154                       | 159                       |
|   | 0.35               |                             | 19.5                      |                            | 17.3                      |                            | 39.7                      |                             | 96.3                      |                            | 77.5                      |                             | 159                       |
|   | 0.70               |                             | 19.5                      |                            | 17.3                      |                            | 39.7                      |                             | 93.4                      |                            | 77.5                      |                             | 159                       |
|   | 1.41               |                             | 19.1                      |                            | 17.3                      |                            | 39.7                      |                             | 68.4                      |                            | 77.5                      |                             | 159                       |
|   | 2.11               |                             | 18.6                      |                            | 17.3                      |                            | 39.7                      |                             | 40.2                      |                            | 77.5                      |                             | 159                       |
|   | 2.81               |                             | 17.0                      |                            | 17.3                      |                            | 39.7                      |                             |                           |                            | 77.5                      |                             | 159                       |
|   | 3.52               |                             | 6.7                       |                            | 17.1                      |                            | 37.9                      |                             |                           |                            | 77.7                      |                             | 151                       |
|   | 4.22               |                             |                           |                            | 13.1                      |                            | 28.9                      |                             |                           |                            | 68.7                      |                             | 147                       |
|   | 4.92               |                             |                           |                            | 3.9                       |                            | 11.3                      |                             |                           |                            | 29.3                      |                             | 106                       |
| 5.27  | *(4.04)            |                             |                           | *(5.20)                    | *(5.31)                   | 11.3                       | *(2.23)                   |                             | *(5.38)                   |                            | *(5.56)                   | 53.0                        |                           |
| 7.03  | 0.00               | 182                         | 19.2                      | 299                        | 17.3                      | 549                        | 39.7                      | 149                         | 91.3                      | 1,293                      | 77.5                      | 2,271                       | 159                       |
|   | 0.35               |                             | 19.2                      |                            | 17.3                      |                            | 39.7                      |                             | 96.1                      |                            | 77.5                      |                             | 159                       |
|   | 0.70               |                             | 19.2                      |                            | 17.3                      |                            | 39.7                      |                             | 91.4                      |                            | 77.5                      |                             | 159                       |
|   | 1.41               |                             | 18.9                      |                            | 17.3                      |                            | 39.7                      |                             | 63.6                      |                            | 77.5                      |                             | 159                       |
|   | 2.11               |                             | 17.8                      |                            | 17.3                      |                            | 39.7                      |                             | 55.8                      |                            | 77.5                      |                             | 159                       |
|   | 2.81               |                             | 17.2                      |                            | 17.3                      |                            | 39.7                      |                             |                           |                            | 77.5                      |                             | 159                       |
|   | 3.52               |                             | 12.2                      |                            | 17.2                      |                            | 39.2                      |                             |                           |                            | 77.8                      |                             | 159                       |
|   | 4.22               |                             | 0.92                      |                            | 16.7                      |                            | 37.4                      |                             |                           |                            | 77.3                      |                             | 159                       |
|   | 4.92               |                             |                           |                            | 11.3                      |                            | 26.0                      |                             |                           |                            | 59.4                      |                             | 147                       |
| 5.62  | *(4.44)            |                             | 3.9                       | *(5.76)                    | *(5.84)                   | 7.6                        | *(2.33)                   |                             | *(5.98)                   | 23.7                       | *(6.23)                   | 56.8                        |                           |
| 8.44  | 0.00               | 328                         |                           | 601                        | 17.0                      | 601                        | 39.7                      | 163                         | 91.8                      |                            |                           |                             |                           |
|   | 0.35               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 0.70               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 1.41               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 2.11               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 2.81               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 3.52               |                             |                           |                            | 17.0                      |                            | 39.7                      |                             |                           |                            |                           |                             |                           |
|   | 4.22               |                             |                           |                            | 17.0                      |                            | 38.6                      |                             |                           |                            |                           |                             |                           |
|   | 4.92               |                             |                           |                            | 16.9                      |                            | 37.5                      |                             |                           |                            |                           |                             |                           |
| 5.62  |                    | 14.2                        | 33.0                      |                            |                           |                            |                           |                             |                           |                            |                           |                             |                           |
| 6.33  |                    | 6.6                         | 19.5                      |                            |                           |                            |                           |                             |                           |                            |                           |                             |                           |
| 7.03  |                    |                             |                           | *(6.88)                    | *(7.09)                   |                            | *(2.57)                   |                             |                           |                            |                           |                             |                           |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

# Injector Performance Table

## Air Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 287<br>15mm Threads |                         | Model 384<br>15mm Threads |                         | Model 484<br>15mm & 20mm Threads |                         | Model 484X<br>20mm Threads |                         | Model 584<br>15mm & 20mm Threads |                         | Model 684<br>20mm Threads |                         |      |
|--|--------------------|---------------------------|-------------------------|---------------------------|-------------------------|----------------------------------|-------------------------|----------------------------|-------------------------|----------------------------------|-------------------------|---------------------------|-------------------------|------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min |      |
| 0.35                                     | 0.00               | 1.1                       | <0.25                   | 2.5                       | 0.28                    | 4.3                              | 2.6                     | 4.3                        | 3.7                     | 7.6                              | 4.1                     | 12.7                      | 4.2                     |      |
|  | 0.07               |                           | <0.10                   |                           | 0.94                    |                                  | 1.2                     |                            | 1.5                     |                                  | 2.6                     |                           |                         |      |
|  | 0.14               |                           |                         |                           | 0.16                    |                                  | 0.31                    |                            | 0.60                    |                                  | 1.4                     |                           |                         |      |
|  | 0.21               |                           |                         |                           | <0.10                   |                                  | 0.22                    |                            | 0.34                    |                                  | 0.47                    |                           |                         |      |
|  | 0.28               |                           | *(0.25)                 |                           | *(0.27)                 |                                  | <0.10                   |                            | 0.14                    |                                  | 0.13                    |                           |                         |      |
| 0.70                                     | 0.00               | 1.2                       | 0.47                    | 3.6                       | 1.6                     | 6.1                              | 4.5                     | 6.1                        | 6.1                     | 10.7                             | 6.8                     | 18.0                      | 6.2                     |      |
|  | 0.14               |                           | <0.25                   |                           | 0.73                    |                                  | 1.4                     |                            | 1.8                     |                                  | 4.4                     |                           |                         |      |
|  | 0.35               |                           |                         |                           | 0.16                    |                                  | 0.34                    |                            | 0.54                    |                                  | 1.7                     |                           |                         |      |
|  | 0.49               |                           |                         |                           |                         |                                  | 0.16                    |                            | 0.18                    |                                  | 0.71                    |                           |                         |      |
|  | 0.56               |                           | *(0.54)                 |                           | *(0.58)                 |                                  | <0.10                   |                            | 0.18                    |                                  | 0.43                    |                           |                         |      |
| 1.05                                     | 0.00               | 1.6                       | 0.94                    | 4.4                       | 3.1                     | 7.5                              | 5.9                     | 7.5                        | 8.3                     | 13.1                             | 8.2                     | 22.0                      | 7.3                     |      |
|  | 0.35               |                           | <0.25                   |                           | 0.51                    |                                  | 1.0                     |                            | 1.3                     |                                  | 3.3                     |                           |                         |      |
|  | 0.49               |                           |                         |                           | 0.28                    |                                  | 0.61                    |                            | 0.72                    |                                  | 2.0                     |                           |                         |      |
|  | 0.70               |                           |                         |                           |                         |                                  | 0.28                    |                            |                         |                                  | 1.0                     |                           |                         |      |
|  | 0.84               |                           | *(0.81)                 |                           | *(0.91)                 |                                  | 0.12                    |                            | 0.72                    |                                  | 0.54                    |                           |                         |      |
| 1.41                                     | 0.00               | 1.9                       | 1.4                     | 5.1                       | 4.1                     | 8.6                              | 6.9                     | 8.6                        | 10.1                    | 15.2                             | 9.7                     | 25.4                      | 11.1                    |      |
|  | 0.35               |                           | <0.25                   |                           | 1.0                     |                                  | 2.2                     |                            | 2.5                     |                                  | 7.0                     |                           |                         |      |
|  | 0.70               |                           |                         |                           | 0.30                    |                                  | 0.60                    |                            | 0.69                    |                                  | 2.6                     |                           |                         |      |
|  | 0.84               |                           |                         |                           |                         |                                  | 0.39                    |                            | 0.47                    |                                  | 1.8                     |                           |                         |      |
|  | 1.05               |                           | *(1.12)                 |                           | *(1.16)                 |                                  | 0.21                    |                            | 0.47                    |                                  | 0.76                    |                           |                         |      |
| 1.76                                     | 0.00               | 2.2                       | 1.6                     | 5.7                       | 4.5                     | 9.7                              | 7.4                     | 9.7                        | 11.7                    | 17.0                             | 10.9                    | 28.4                      | 13.0                    |      |
|  | 0.35               |                           | <0.25                   |                           | 1.4                     |                                  | 2.8                     |                            | 3.9                     |                                  | 9.2                     |                           |                         |      |
|  | 0.70               |                           |                         |                           | 0.54                    |                                  | 0.97                    |                            | 0.98                    |                                  | 3.9                     |                           |                         |      |
|  | 1.05               |                           |                         |                           |                         |                                  | 0.33                    |                            | 0.60                    |                                  | 1.7                     |                           |                         |      |
|  | 1.41               |                           | *(1.37)                 |                           | *(1.44)                 |                                  | 0.16                    |                            | 0.60                    |                                  | 0.81                    |                           |                         |      |
| 2.11                                     | 0.00               | 2.4                       | 1.6                     | 6.2                       | 4.7                     | 10.6                             | 7.8                     | 10.6                       | 12.9                    | 18.6                             | 12.3                    | 31.1                      | 14.3                    |      |
|  | 0.35               |                           | <0.25                   |                           | 1.7                     |                                  | 4.2                     |                            | 4.9                     |                                  | 11.1                    |                           |                         |      |
|  | 0.70               |                           |                         |                           | 0.70                    |                                  | 1.8                     |                            | 1.5                     |                                  | 5.6                     |                           |                         |      |
|  | 1.05               |                           |                         |                           | 0.36                    |                                  | 0.79                    |                            | 0.88                    |                                  | 2.8                     |                           |                         |      |
|  | 1.41               |                           | *(1.72)                 |                           | *(1.77)                 |                                  | 0.32                    |                            | 0.88                    |                                  | 1.6                     |                           |                         |      |
| 2.46                                     | 0.00               | 2.6                       | 1.8                     | 6.7                       | 4.9                     | 11.4                             | 8.2                     | 11.4                       | 14.4                    | 20.1                             | 13.4                    | 33.6                      | 15.6                    |      |
|  | 0.35               |                           | <0.25                   |                           | 1.8                     |                                  | 5.5                     |                            | 6.7                     |                                  | 12.2                    |                           |                         |      |
|  | 0.70               |                           |                         |                           | 0.85                    |                                  | 2.5                     |                            | 2.2                     |                                  | 7.7                     |                           |                         |      |
|  | 1.05               |                           |                         |                           | 0.48                    |                                  | 1.2                     |                            | 1.1                     |                                  | 4.1                     |                           |                         |      |
|  | 1.41               |                           | *(1.90)                 |                           | *(2.01)                 |                                  | 0.64                    |                            | 0.86                    |                                  | 2.6                     |                           |                         |      |
| 2.81                                     | 0.00               | 2.8                       | 2.1                     | 7.2                       | 5.0                     | 12.2                             | 8.5                     | 12.2                       | 15.5                    | 21.4                             | 14.5                    | 36.0                      | 16.5                    |      |
|  | 0.35               |                           | 0.47                    |                           | 2.1                     |                                  | 5.9                     |                            | 8.0                     |                                  | 12.8                    |                           |                         |      |
|  | 0.70               |                           | <0.25                   |                           | 1.0                     |                                  | 3.5                     |                            | 3.4                     |                                  | 9.9                     |                           |                         |      |
|  | 1.05               |                           |                         |                           | 0.61                    |                                  | 1.7                     |                            | 1.5                     |                                  | 5.5                     |                           |                         |      |
|  | 1.41               |                           |                         |                           | 0.36                    |                                  | 0.88                    |                            | 1.1                     |                                  | 3.8                     |                           |                         |      |
| 3.16                                     | 0.00               | 3.0                       | 2.1                     | 7.6                       | 5.4                     | 13.0                             | 9.0                     | 13.0                       | 15.5                    | 22.7                             | 14.9                    | 38.1                      | 17.4                    |      |
|  | 0.35               |                           | 0.94                    |                           | 2.5                     |                                  | 6.4                     |                            | 9.4                     |                                  | 14.1                    |                           |                         |      |
|  | 0.70               |                           | <0.25                   |                           | 1.3                     |                                  | 3.9                     |                            | 4.2                     |                                  | 11.1                    |                           |                         |      |
|  | 1.05               |                           |                         |                           | 0.78                    |                                  | 2.1                     |                            | 1.9                     |                                  | 7.3                     |                           |                         |      |
|  | 1.41               |                           |                         |                           | 0.49                    |                                  | 1.3                     |                            | 1.2                     |                                  | 4.6                     |                           |                         |      |
| 3.52                                     | 0.00               | 3.1                       | 2.1                     | 8.0                       | 5.9                     | 13.7                             | 9.8                     | 13.7                       | 16.0                    | 24.0                             | 15.6                    | 40.2                      | 19.8                    |      |
|  | 0.35               |                           | 1.1                     |                           | 2.9                     |                                  | 7.2                     |                            | 11.1                    |                                  | 15.5                    |                           |                         |      |
|  | 0.70               |                           | <0.25                   |                           | 1.6                     |                                  | 4.2                     |                            | 5.5                     |                                  | 13.4                    |                           |                         |      |
|  | 1.05               |                           |                         |                           | 0.93                    |                                  | 2.4                     |                            | 2.5                     |                                  | 9.2                     |                           |                         |      |
|  | 1.41               |                           |                         |                           | 0.60                    |                                  | 1.6                     |                            | 1.5                     |                                  | 5.6                     |                           |                         |      |
| 3.52                                     | 1.76               | 3.1                       |                         | 8.0                       | 0.43                    | 13.7                             | 1.3                     | 13.7                       | 1.1                     | 24.0                             | 2.3                     | 40.2                      | 3.7                     |      |
|  | 2.11               |                           |                         |                           |                         |                                  | 0.67                    |                            |                         |                                  | 1.6                     |                           | 2.7                     |      |
|  | 2.46               |                           |                         |                           |                         |                                  | 0.41                    |                            |                         |                                  | 1.0                     |                           | 1.7                     |      |
|  | 2.81               |                           | *(2.74)                 |                           | *(2.78)                 |                                  | 0.20                    |                            | *(2.04)                 |                                  | 0.64                    |                           | *(2.95)                 | 0.98 |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Air Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 287<br>15mm Threads |                         | Model 384<br>15mm Threads |                         | Model 484<br>15mm & 20mm Threads |                         | Model 484X<br>20mm Threads |                         | Model 584<br>15mm & 20mm Threads |                         | Model 684<br>20mm Threads |                         |      |             |      |             |      |
|--|--------------------|---------------------------|-------------------------|---------------------------|-------------------------|----------------------------------|-------------------------|----------------------------|-------------------------|----------------------------------|-------------------------|---------------------------|-------------------------|------|-------------|------|-------------|------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min          | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min |      |             |      |             |      |
| <b>4.22</b>                              | 0.00               | <b>3.4</b>                | 2.8                     | <b>8.8</b>                | 6.3                     | <b>15.0</b>                      | 9.5                     | <b>15.0</b>                | 17.2                    | <b>26.3</b>                      | 17.1                    | <b>44.0</b>               | 20.2                    |      |             |      |             |      |
|  | 0.35               |                           |                         |                           | 3.7                     |                                  |                         |                            | 8.0                     |                                  |                         |                           | 14.3                    |      | 12.6        |      | 16.5        |      |
|  | 0.70               |                           | 0.5                     |                           | 2.0                     |                                  | 1.3                     |                            | 5.5                     |                                  | 3.6                     |                           | 7.7                     | 4.8  | 9.9         | 6.4  | 14.8        |      |
|  | 1.05               |                           | <0.25                   |                           | 0.85                    |                                  | 0.45                    |                            | 2.4                     |                                  | 1.1                     |                           | 2.4                     | 1.3  | 4.7         | 2.6  | 8.1         | 4.4  |
|  | 1.41               |                           |                         |                           | 0.26                    |                                  |                         |                            | 1.1                     |                                  | 0.76                    |                           |                         |      | 2.0         | 1.3  | 4.4         | 3.2  |
|  | 2.11               |                           |                         |                           |                         |                                  |                         |                            | 0.59                    |                                  |                         |                           |                         |      | 2.0         | 1.3  | 2.4         | 2.4  |
|  | 2.46               |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      | 0.96        |      | 1.5         | 1.5  |
|  | 2.81               |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
|  | 3.16               |                           | *(3.30)                 |                           | *(3.33)                 |                                  | *(3.57)                 |                            | *(2.43)                 |                                  | *(3.76)                 |                           | *(3.52)                 |      |             |      |             |      |
|  | <b>4.92</b>        |                           | 0.00                    |                           | <b>3.7</b>              |                                  | 3.3                     |                            | <b>9.5</b>              |                                  | 6.8                     |                           | <b>16.2</b>             | 9.7  | <b>16.2</b> | 18.7 | <b>28.4</b> | 17.2 |
| 0.35                                     |                    |                           | 4.5                     |                           |                         | 8.7                              |                         | 14.9                       |                         |                                  | 13.5                    |                           |                         | 18.6 |             |      |             |      |
| 0.70                                     |                    | 0.7                       | 2.6                     | 1.7                       |                         | 6.8                              | 4.7                     | 7.1                        |                         | 8.1                              | 11.1                    | 8.1                       |                         | 16.6 |             |      |             |      |
| 1.05                                     |                    | <0.25                     | 1.1                     | 0.63                      |                         | 3.3                              | 1.8                     | 3.5                        |                         | 1.7                              | 6.0                     | 3.8                       |                         | 14.8 |             | 12.7 |             |      |
| 1.41                                     |                    |                           | 0.41                    |                           |                         | 1.8                              | 1.0                     | 1.7                        |                         | 1.1                              | 3.8                     | 2.2                       |                         | 6.4  |             | 3.8  |             |      |
| 2.11                                     |                    |                           |                         |                           |                         | 0.77                             |                         |                            |                         |                                  | 2.2                     | 1.8                       |                         | 2.8  |             | 2.8  |             |      |
| 2.81                                     |                    |                           |                         |                           |                         | 0.48                             |                         |                            |                         |                                  | 1.2                     | 1.2                       |                         | 2.1  |             | 2.1  |             |      |
| 3.16                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  | 0.82                    | 0.82                      |                         | 1.3  |             | 1.3  |             |      |
| 3.52                                     |                    | *(3.87)                   | *(3.68)                 | *(4.11)                   |                         | *(2.86)                          | *(4.43)                 | *(4.10)                    |                         |                                  |                         |                           |                         |      |             |      |             |      |
| 3.87                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
| <b>5.62</b>                              | 0.00               | <b>4.0</b>                | 3.3                     | <b>10.1</b>               | 7.5                     | <b>17.3</b>                      | 10.1                    | <b>17.3</b>                | 19.0                    | <b>30.3</b>                      | 17.9                    | <b>50.9</b>               | 20.2                    |      |             |      |             |      |
|  | 0.35               |                           |                         |                           | 5.3                     |                                  |                         |                            | 9.4                     |                                  |                         |                           | 18.0                    |      | 14.6        |      | 19.7        |      |
|  | 0.70               |                           |                         |                           | 3.1                     |                                  | 1.5                     |                            | 7.5                     |                                  | 4.0                     |                           | 7.5                     | 8.6  | 10.3        | 7.5  | 17.3        |      |
|  | 1.05               |                           | <0.25                   |                           | 2.2                     |                                  | 0.88                    |                            | 5.5                     |                                  | 2.3                     |                           | 4.7                     | 2.3  | 7.5         | 4.9  | 16.2        |      |
|  | 1.41               |                           |                         |                           | 1.5                     |                                  | 0.58                    |                            | 4.0                     |                                  | 1.4                     |                           | 4.7                     | 1.4  | 3.3         | 3.3  | 15.1        |      |
|  | 2.11               |                           |                         |                           | 0.40                    |                                  |                         |                            | 2.3                     |                                  | 0.78                    |                           | 2.3                     | 1.0  | 2.1         | 2.1  | 8.0         |      |
|  | 2.81               |                           |                         |                           |                         |                                  |                         |                            | 1.4                     |                                  | 0.43                    |                           | 1.4                     | 1.0  | 3.3         | 1.2  | 5.1         |      |
|  | 3.52               |                           |                         |                           |                         |                                  |                         |                            | 0.78                    |                                  |                         |                           | 1.0                     | 1.0  | 2.1         | 1.2  | 3.1         |      |
|  | 4.22               |                           |                         |                           |                         |                                  |                         |                            | 0.43                    |                                  |                         |                           |                         |      | 1.2         | 0.83 | 2.0         |      |
|  | 4.57               |                           | *(4.43)                 |                           | *(4.35)                 |                                  | *(4.64)                 |                            | *(3.65)                 |                                  | *(5.10)                 |                           | *(4.71)                 |      |             |      | 1.4         |      |
| <b>6.33</b>                              | 0.00               | <b>4.2</b>                | 3.3                     | <b>10.7</b>               | 8.1                     | <b>18.4</b>                      | 10.3                    | <b>18.4</b>                | 20.1                    | <b>32.2</b>                      | 18.2                    | <b>53.9</b>               | 20.3                    |      |             |      |             |      |
|  | 0.35               |                           |                         |                           | 6.0                     |                                  |                         |                            | 9.6                     |                                  |                         |                           | 18.7                    |      | 15.4        |      | 19.9        |      |
|  | 0.70               |                           |                         |                           | 3.6                     |                                  | 1.9                     |                            | 8.3                     |                                  | 4.8                     |                           | 7.5                     | 9.3  | 13.6        | 9.3  | 18.6        |      |
|  | 1.05               |                           | 0.5                     |                           | 1.9                     |                                  | 1.0                     |                            | 4.8                     |                                  | 2.9                     |                           | 3.4                     | 3.4  | 6.1         | 6.1  | 16.2        |      |
|  | 1.41               |                           | <0.25                   |                           | 0.73                    |                                  | 0.73                    |                            | 2.9                     |                                  | 2.0                     |                           | 2.1                     | 2.1  | 4.1         | 4.1  | 11.6        |      |
|  | 2.11               |                           |                         |                           | 0.51                    |                                  |                         |                            | 2.0                     |                                  | 1.2                     |                           | 1.3                     | 1.3  | 2.7         | 2.7  | 6.9         |      |
|  | 2.81               |                           |                         |                           | 0.38                    |                                  |                         |                            | 1.2                     |                                  | 0.75                    |                           | 1.3                     | 1.3  | 1.8         | 1.8  | 4.7         |      |
|  | 3.52               |                           |                         |                           |                         |                                  |                         |                            | 0.75                    |                                  |                         |                           |                         |      | 1.8         | 1.8  | 3.3         |      |
|  | 4.22               |                           |                         |                           |                         |                                  |                         |                            | 0.41                    |                                  |                         |                           |                         |      | 1.0         | 1.0  | 1.9         |      |
|  | 4.92               |                           | *(4.99)                 |                           | *(4.99)                 |                                  | *(5.20)                 |                            | *(3.81)                 |                                  | *(5.66)                 |                           | *(5.34)                 |      |             |      |             |      |
| 5.27                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
| <b>7.03</b>                              | 0.00               | <b>4.4</b>                | 3.3                     | <b>11.3</b>               | 8.4                     | <b>19.3</b>                      | 10.3                    | <b>19.3</b>                | 20.9                    | <b>33.9</b>                      | 18.5                    | <b>56.9</b>               | 20.5                    |      |             |      |             |      |
|  | 0.35               |                           |                         |                           | 6.5                     |                                  |                         |                            | 9.8                     |                                  |                         |                           | 20.1                    |      | 16.6        |      | 20.3        |      |
|  | 0.70               |                           |                         |                           | 4.2                     |                                  | 2.2                     |                            | 8.9                     |                                  | 5.7                     |                           | 8.8                     | 10.9 | 14.3        | 10.9 | 19.8        |      |
|  | 1.05               |                           | 0.5                     |                           | 2.2                     |                                  | 1.2                     |                            | 5.7                     |                                  | 3.6                     |                           | 4.8                     | 4.8  | 6.8         | 6.8  | 18.0        |      |
|  | 1.41               |                           | <0.25                   |                           | 0.91                    |                                  | 0.91                    |                            | 3.6                     |                                  | 2.5                     |                           | 2.8                     | 2.8  | 5.1         | 5.1  | 15.5        |      |
|  | 2.11               |                           |                         |                           | 0.67                    |                                  |                         |                            | 2.5                     |                                  | 1.6                     |                           | 1.8                     | 1.8  | 3.6         | 3.6  | 8.5         |      |
|  | 2.81               |                           |                         |                           | 0.51                    |                                  |                         |                            | 1.6                     |                                  | 1.0                     |                           | 1.8                     | 1.8  | 2.4         | 2.4  | 6.1         |      |
|  | 3.52               |                           |                         |                           | 0.37                    |                                  |                         |                            | 1.0                     |                                  |                         |                           |                         |      | 1.6         | 1.6  | 4.4         |      |
|  | 4.22               |                           |                         |                           |                         |                                  |                         |                            | 0.37                    |                                  |                         |                           |                         |      | 0.96        | 0.96 | 3.1         |      |
|  | 4.92               |                           | *(5.55)                 |                           | *(5.52)                 |                                  | *(5.83)                 |                            | *(4.19)                 |                                  | *(6.33)                 |                           | *(5.98)                 |      |             |      |             |      |
| 5.62                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
| <b>8.44</b>                              | 0.00               | <b>4.8</b>                | 3.3                     | <b>12.4</b>               | 9.2                     | <b>21.2</b>                      | 10.7                    | <b>21.2</b>                | 23.0                    | <b>37.1</b>                      | 19.0                    | <b>62.3</b>               | 20.7                    |      |             |      |             |      |
|  | 0.35               |                           |                         |                           | 7.2                     |                                  |                         |                            | 10.3                    |                                  |                         |                           | 22.2                    |      | 18.1        |      | 20.4        |      |
|  | 0.70               |                           |                         |                           | 5.2                     |                                  | 2.9                     |                            | 9.9                     |                                  | 7.2                     |                           | 12.3                    | 13.0 | 15.8        | 13.0 | 20.0        |      |
|  | 1.05               |                           |                         |                           | 2.9                     |                                  | 1.8                     |                            | 7.2                     |                                  | 5.0                     |                           | 7.0                     | 7.0  | 8.7         | 8.7  | 18.8        |      |
|  | 1.41               |                           | <0.25                   |                           | 1.2                     |                                  | 1.2                     |                            | 5.0                     |                                  | 3.6                     |                           | 3.9                     | 3.9  | 6.5         | 6.5  | 18.1        |      |
|  | 2.11               |                           |                         |                           | 0.95                    |                                  |                         |                            | 3.6                     |                                  | 2.7                     |                           | 2.6                     | 2.6  | 5.1         | 5.1  | 12.8        |      |
|  | 2.81               |                           |                         |                           | 0.72                    |                                  |                         |                            | 2.7                     |                                  | 1.9                     |                           | 1.9                     | 1.9  | 3.6         | 3.6  | 8.5         |      |
|  | 3.52               |                           |                         |                           | 0.58                    |                                  |                         |                            | 1.9                     |                                  | 1.3                     |                           | 1.4                     | 1.4  | 2.9         | 2.9  | 6.4         |      |
|  | 4.22               |                           |                         |                           | 0.47                    |                                  |                         |                            | 1.3                     |                                  | 0.95                    |                           |                         |      | 2.0         | 2.0  | 5.1         |      |
|  | 4.92               |                           | *(6.68)                 |                           | *(6.81)                 |                                  | *(7.01)                 |                            | *(5.00)                 |                                  | *(7.52)                 |                           | *(7.17)                 |      |             |      |             |      |
| 5.62                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
| 6.33                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |
| 7.03                                     |                    |                           |                         |                           |                         |                                  |                         |                            |                         |                                  |                         |                           |                         |      |             |      |             |      |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Air Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 784<br>20mm Threads |                         | Model 878-03<br>25mm Threads |                         | Model 885X-03<br>25mm Threads |                         | Model 978-03<br>25mm Threads |                         | Model 1078-03<br>25mm Threads |                         | Model 1583<br>40mm Threads |                         |
|--|--------------------|---------------------------|-------------------------|------------------------------|-------------------------|-------------------------------|-------------------------|------------------------------|-------------------------|-------------------------------|-------------------------|----------------------------|-------------------------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min |
| 0.35                                     | 0.00               | 16.3                      | 5.5                     | 13.2                         | 7.0                     | 12.8                          | 8.6                     | 15.4                         | 8.7                     | 19.9                          | 11.4                    | 38.9                       | 18.6                    |
|  | 0.07               |                           | 4.6                     |                              | 2.5                     |                               | 4.2                     |                              | 2.4                     |                               | 3.0                     |                            | 8.0                     |
|  | 0.14               |                           | 2.2                     |                              | 0.73                    |                               | 0.69                    |                              | 0.86                    |                               | 1.2                     |                            | 1.8                     |
|  | 0.21               |                           | 1.0                     |                              | 0.19                    |                               |                         |                              | 0.42                    |                               | 0.70                    |                            | 0.98                    |
|  | 0.28               |                           | *(0.32)                 |                              | 0.46                    |                               | *(0.28)                 |                              | *(0.28)                 |                               | *(0.27)                 |                            | *(0.28)                 |
| 0.70                                     | 0.00               | 23.1                      | 9.1                     | 18.7                         | 16.0                    | 18.1                          | 12.7                    | 21.7                         | 14.1                    | 28.1                          | 18.9                    | 55.0                       | 40.2                    |
|  | 0.14               |                           | 7.4                     |                              | 4.0                     |                               | 7.1                     |                              | 5.2                     |                               | 7.6                     |                            | 12.2                    |
|  | 0.35               |                           | 2.7                     |                              | 1.3                     |                               | 0.87                    |                              | 1.4                     |                               | 1.9                     |                            | 3.9                     |
|  | 0.49               |                           | 0.94                    |                              | 0.42                    |                               |                         |                              | 0.60                    |                               | 0.73                    |                            | 1.9                     |
|  | 0.56               |                           | *(0.63)                 |                              | 0.44                    |                               | *(0.61)                 |                              | *(0.53)                 |                               | *(0.63)                 |                            | *(0.57)                 |
| 1.05                                     | 0.00               | 28.3                      | 13.6                    | 22.9                         | 17.0                    | 22.2                          | 18.1                    | 26.6                         | 17.9                    | 34.4                          | 22.9                    | 67.4                       | 54.2                    |
|  | 0.35               |                           | 7.8                     |                              | 3.5                     |                               | 3.7                     |                              | 4.1                     |                               | 6.1                     |                            | 10.2                    |
|  | 0.49               |                           | 4.1                     |                              | 1.8                     |                               | 1.6                     |                              | 2.6                     |                               | 3.7                     |                            | 6.5                     |
|  | 0.70               |                           | 1.9                     |                              | 0.35                    |                               |                         |                              | 1.1                     |                               | 1.5                     |                            | 2.9                     |
|  | 0.84               |                           | *(0.91)                 |                              | 0.90                    |                               | *(0.88)                 |                              | *(0.77)                 |                               | *(0.94)                 |                            | *(0.92)                 |
| 1.41                                     | 0.00               | 32.7                      | 15.9                    | 26.5                         | 20.9                    | 25.6                          | 22.2                    | 30.8                         | 20.8                    | 39.7                          | 25.9                    | 77.8                       | 62.8                    |
|  | 0.35               |                           | 10.0                    |                              | 5.9                     |                               | 6.4                     |                              | 6.8                     |                               | 10.4                    |                            | 16.8                    |
|  | 0.70               |                           | 3.8                     |                              | 2.0                     |                               | 1.7                     |                              | 2.8                     |                               | 4.0                     |                            | 7.0                     |
|  | 0.84               |                           | 2.3                     |                              | 1.2                     |                               |                         |                              | 1.9                     |                               | 2.6                     |                            | 4.4                     |
|  | 1.05               |                           | *(1.23)                 |                              | 1.1                     |                               | *(1.16)                 |                              | *(0.98)                 |                               | *(1.18)                 |                            | *(1.22)                 |
| 1.76                                     | 0.00               | 36.5                      | 18.9                    | 29.6                         | 21.1                    | 28.7                          | 26.9                    | 34.4                         | 22.6                    | 44.4                          | 28.7                    | 87.0                       | 65.8                    |
|  | 0.35               |                           | 13.7                    |                              | 8.2                     |                               | 13.1                    |                              | 8.8                     |                               | 15.7                    |                            | 23.0                    |
|  | 0.70               |                           | 6.6                     |                              | 3.2                     |                               | 3.3                     |                              | 4.1                     |                               | 6.7                     |                            | 11.1                    |
|  | 1.05               |                           | 1.5                     |                              | 1.6                     |                               | 1.3                     |                              | 2.1                     |                               | 3.5                     |                            | 5.5                     |
|  | 1.41               |                           | *(1.57)                 |                              | 0.58                    |                               | *(1.48)                 |                              | *(1.20)                 |                               | *(1.46)                 |                            | *(1.54)                 |
| 2.11                                     | 0.00               | 40.0                      | 22.7                    | 32.5                         | 24.0                    | 31.4                          | 31.5                    | 37.7                         | 23.5                    | 48.7                          | 33.3                    | 95.3                       | 74.7                    |
|  | 0.35               |                           | 15.3                    |                              | 12.3                    |                               | 21.8                    |                              | 12.5                    |                               | 21.9                    |                            | 26.7                    |
|  | 0.70               |                           | 9.6                     |                              | 5.3                     |                               | 5.8                     |                              | 5.9                     |                               | 9.6                     |                            | 14.5                    |
|  | 1.05               |                           | 4.5                     |                              | 3.0                     |                               | 2.6                     |                              | 3.4                     |                               | 5.3                     |                            | 7.7                     |
|  | 1.41               |                           | 2.0                     |                              | 1.4                     |                               | 0.98                    |                              | 1.8                     |                               | 2.8                     |                            | 4.2                     |
|  | 1.76               |                           | *(1.86)                 |                              | 0.98                    |                               | *(1.84)                 |                              | *(1.44)                 |                               | *(1.86)                 |                            | *(1.83)                 |
| 2.46                                     | 0.00               | 43.2                      | 21.9                    | 35.1                         | 24.5                    | 33.9                          | 41.2                    | 40.7                         | 22.7                    | 52.6                          | 34.9                    | 103                        | 76.1                    |
|  | 0.35               |                           | 17.9                    |                              | 16.2                    |                               | 12.9                    |                              | 13.7                    |                               | 24.9                    |                            | 32.2                    |
|  | 0.70               |                           | 14.0                    |                              | 6.6                     |                               | 7.5                     |                              | 7.6                     |                               | 11.6                    |                            | 17.1                    |
|  | 1.05               |                           | 7.1                     |                              | 4.0                     |                               | 3.7                     |                              | 5.2                     |                               | 6.4                     |                            | 10.3                    |
|  | 1.41               |                           | 3.8                     |                              | 2.2                     |                               | 2.0                     |                              | 3.2                     |                               | 4.2                     |                            | 6.3                     |
|  | 1.76               |                           | *(2.18)                 |                              | 1.9                     |                               | *(2.12)                 |                              | *(1.69)                 |                               | *(2.13)                 |                            | *(2.11)                 |
| 2.81                                     | 0.00               | 46.2                      | 25.0                    | 37.5                         | 26.3                    | 36.3                          | 38.1                    | 43.5                         | 24.5                    | 56.2                          | 37.7                    | 110                        | 81.8                    |
|  | 0.35               |                           | 21.1                    |                              | 19.1                    |                               | 18.5                    |                              | 18.2                    |                               | 27.3                    |                            | 37.3                    |
|  | 0.70               |                           | 16.9                    |                              | 8.3                     |                               | 10.0                    |                              | 9.5                     |                               | 14.8                    |                            | 20.4                    |
|  | 1.05               |                           | 9.6                     |                              | 5.5                     |                               | 5.3                     |                              | 6.2                     |                               | 8.9                     |                            | 13.4                    |
|  | 1.41               |                           | 5.4                     |                              | 3.1                     |                               | 3.2                     |                              | 4.0                     |                               | 6.1                     |                            | 8.9                     |
|  | 1.76               |                           | 3.3                     |                              | 2.2                     |                               | 2.1                     |                              | 2.6                     |                               | 3.8                     |                            | 5.7                     |
| 2.11                                     | *(2.39)            | 1.4                       | *(2.42)                 | *(1.90)                      | *(2.41)                 | *(2.42)                       | *(2.35)                 |                              |                         |                               |                         |                            |                         |
| 3.16                                     | 0.00               | 49.0                      | 26.6                    | 39.7                         | 31.5                    | 38.5                          | 36.4                    | 46.1                         | 25.8                    | 59.6                          | 40.5                    | 117                        | 91.7                    |
|  | 0.35               |                           | 22.7                    |                              | 19.9                    |                               | 22.9                    |                              | 20.0                    |                               | 29.6                    |                            | 46.0                    |
|  | 0.70               |                           | 18.2                    |                              | 9.8                     |                               | 12.8                    |                              | 11.0                    |                               | 18.1                    |                            | 24.2                    |
|  | 1.05               |                           | 13.7                    |                              | 6.0                     |                               | 6.9                     |                              | 7.6                     |                               | 10.9                    |                            | 16.0                    |
|  | 1.41               |                           | 7.0                     |                              | 4.2                     |                               | 4.3                     |                              | 5.2                     |                               | 7.4                     |                            | 11.0                    |
|  | 1.76               |                           | 4.4                     |                              | 2.4                     |                               | 3.0                     |                              | 3.4                     |                               | 5.3                     |                            | 7.6                     |
|  | 2.11               |                           | 2.8                     |                              | 1.9                     |                               | 1.6                     |                              | 2.2                     |                               | 3.3                     |                            | 6.1                     |
|  | 2.46               |                           | *(2.67)                 |                              | 1.2                     |                               | *(2.70)                 |                              | *(2.18)                 |                               | *(2.72)                 |                            | *(2.72)                 |
| 3.52                                     | 0.00               | 51.6                      | 27.4                    | 41.9                         | 30.6                    | 40.5                          | 39.5                    | 48.6                         | 28.8                    | 62.8                          | 41.4                    | 123                        | 92.0                    |
|  | 0.35               |                           | 24.5                    |                              | 23.0                    |                               | 23.4                    |                              | 22.8                    |                               | 31.3                    |                            | 51.6                    |
|  | 0.70               |                           | 20.3                    |                              | 11.2                    |                               | 15.2                    |                              | 12.7                    |                               | 19.9                    |                            | 27.8                    |
|  | 1.05               |                           | 16.8                    |                              | 7.6                     |                               | 8.3                     |                              | 9.1                     |                               | 12.1                    |                            | 19.5                    |
|  | 1.41               |                           | 9.6                     |                              | 4.9                     |                               | 5.3                     |                              | 6.4                     |                               | 7.6                     |                            | 13.3                    |
|  | 1.76               |                           | 6.4                     |                              | 3.9                     |                               | 3.5                     |                              | 4.7                     |                               | 6.0                     |                            | 8.9                     |
|  | 2.11               |                           | 4.3                     |                              | 2.1                     |                               | 2.3                     |                              | 3.2                     |                               | 4.1                     |                            | 6.5                     |
|  | 2.46               |                           | 2.8                     |                              | 2.0                     |                               |                         |                              | 2.1                     |                               | 2.5                     |                            | 4.6                     |
|  | 2.81               |                           | *(3.01)                 |                              | 1.3                     |                               | *(2.97)                 |                              | *(2.53)                 |                               | *(2.96)                 |                            | *(3.09)                 |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table

## Air Suction Capacity (METRIC)

REV 2014

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 784<br>20mm Threads |                         | Model 878-03<br>25mm Threads |                         | Model 885X-03<br>25mm Threads |                         | Model 978-03<br>25mm Threads |                         | Model 1078-03<br>25mm Threads |                         | Model 1583<br>40mm Threads |                         |
|--|--------------------|---------------------------|-------------------------|------------------------------|-------------------------|-------------------------------|-------------------------|------------------------------|-------------------------|-------------------------------|-------------------------|----------------------------|-------------------------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min   | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min      | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min       | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min |
| 4.22                                     | 0.00               | 56.6                      | 28.0                    | 45.9                         | 33.6                    | 44.4                          | 56.8                    | 53.3                         | 34.5                    | 68.8                          | 43.1                    | 135                        | 101                     |
|  | 0.35               |                           | 27.1                    |                              | 25.9                    |                               | 27.5                    |                              | 26.9                    |                               | 36.0                    |                            | 70.9                    |
|  | 0.70               |                           | 23.3                    |                              | 15.8                    |                               | 21.3                    |                              | 17.6                    |                               | 27.1                    |                            | 35.6                    |
|  | 1.05               |                           | 20.8                    |                              | 9.5                     |                               | 10.8                    |                              | 11.6                    |                               | 16.3                    |                            | 24.8                    |
|  | 1.41               |                           | 16.5                    |                              | 6.9                     |                               | 7.7                     |                              | 8.5                     |                               | 11.5                    |                            | 18.6                    |
|  | 2.11               |                           | 7.3                     |                              | 3.6                     |                               | 4.1                     |                              | 5.0                     |                               | 6.6                     |                            | 9.8                     |
|  | 2.46               |                           | 4.9                     |                              | 2.7                     |                               | 3.1                     |                              | 3.7                     |                               | 4.8                     |                            | 7.9                     |
|  | 2.81               |                           | 3.8                     |                              | 2.0                     |                               | 1.4                     |                              | 2.6                     |                               | 3.4                     |                            | 5.6                     |
|  | 3.16               |                           | 2.3                     |                              | 1.1                     |                               | 0.7                     |                              | 1.7                     |                               | 2.1                     |                            | 4.9                     |
|  | *(3.52)            |                           | *(3.60)                 |                              | *(3.02)                 |                               | *(3.62)                 |                              | *(3.59)                 |                               | *(3.47)                 |                            |                         |
| 4.92                                     | 0.00               | 61.1                      | 28.3                    | 49.6                         | 36.3                    | 48.0                          | 63.9                    | 57.5                         | 34.7                    | 74.3                          | 47.4                    | 146                        | 113                     |
|  | 0.35               |                           | 28.2                    |                              | 28.3                    |                               | 29.9                    |                              | 29.6                    |                               | 38.5                    |                            | 89.2                    |
|  | 0.70               |                           | 25.8                    |                              | 19.2                    |                               | 21.8                    |                              | 23.2                    |                               | 31.8                    |                            | 47.3                    |
|  | 1.05               |                           | 23.4                    |                              | 12.0                    |                               | 14.1                    |                              | 15.1                    |                               | 21.8                    |                            | 31.7                    |
|  | 1.41               |                           | 21.8                    |                              | 9.0                     |                               | 10.6                    |                              | 10.8                    |                               | 15.0                    |                            | 22.5                    |
|  | 2.11               |                           | 10.5                    |                              | 5.3                     |                               | 6.0                     |                              | 7.0                     |                               | 9.2                     |                            | 12.9                    |
|  | 2.81               |                           | 6.3                     |                              | 3.2                     |                               | 3.6                     |                              | 4.3                     |                               | 5.8                     |                            | 8.5                     |
|  | 3.16               |                           | 4.6                     |                              | 2.3                     |                               | 2.5                     |                              | 3.2                     |                               | 4.1                     |                            | 5.9                     |
|  | 3.52               |                           | 3.5                     |                              | 1.9                     |                               |                         |                              | 2.2                     |                               | 3.3                     |                            | 5.6                     |
| 3.87                                     | 1.9                | 1.0                       |                         | 1.3                          | 2.1                     | 5.2                           |                         |                              |                         |                               |                         |                            |                         |
|  | *(4.10)            |                           | *(4.10)                 |                              | *(3.59)                 |                               | *(4.22)                 |                              | *(4.14)                 |                               | *(3.99)                 |                            |                         |
| 5.62                                     | 0.00               | 65.3                      | 28.7                    | 53.0                         | 38.3                    | 51.3                          | 72.9                    | 61.5                         | 36.0                    | 79.5                          | 49.8                    | 156                        | 117                     |
|  | 0.35               |                           | 28.3                    |                              | 30.6                    |                               | 28.8                    |                              | 31.8                    |                               | 42.2                    |                            | 93.5                    |
|  | 0.70               |                           | 27.3                    |                              | 23.5                    |                               | 26.0                    |                              | 26.3                    |                               | 35.3                    |                            | 51.1                    |
|  | 1.05               |                           | 25.5                    |                              | 14.6                    |                               | 16.1                    |                              | 17.9                    |                               | 27.2                    |                            | 34.2                    |
|  | 1.41               |                           | 24.3                    |                              | 10.9                    |                               | 13.5                    |                              | 13.1                    |                               | 18.6                    |                            | 27.7                    |
|  | 2.11               |                           | 16.1                    |                              | 6.6                     |                               | 7.6                     |                              | 8.9                     |                               | 11.6                    |                            | 17.7                    |
|  | 2.81               |                           | 8.6                     |                              | 4.2                     |                               | 4.7                     |                              | 5.4                     |                               | 8.0                     |                            | 11.2                    |
|  | 3.52               |                           | 5.5                     |                              | 2.7                     |                               | 2.9                     |                              | 3.5                     |                               | 4.8                     |                            | 7.1                     |
|  | 4.22               |                           | 2.9                     |                              | 1.8                     |                               |                         |                              | 1.9                     |                               | 2.9                     |                            | 5.8                     |
| 4.57                                     | 1.6                | 1.1                       |                         | 1.7                          | 2.1                     | 4.1                           |                         |                              |                         |                               |                         |                            |                         |
|  | *(4.71)            |                           | *(4.75)                 |                              | *(4.01)                 |                               | *(4.75)                 |                              | *(4.82)                 |                               | *(4.92)                 |                            |                         |
| 6.33                                     | 0.00               | 69.3                      | 29.2                    | 56.2                         | 40.2                    | 54.4                          | 79.3                    | 65.2                         | 41.4                    | 84.3                          | 53.2                    | 165                        | 123                     |
|  | 0.35               |                           | 29.2                    |                              | 32.8                    |                               | 32.2                    |                              | 32.9                    |                               | 45.4                    |                            | 98.3                    |
|  | 0.70               |                           | 29.1                    |                              | 26.6                    |                               | 29.1                    |                              | 28.8                    |                               | 38.5                    |                            | 65.8                    |
|  | 1.41               |                           | 26.5                    |                              | 12.7                    |                               | 16.5                    |                              | 15.6                    |                               | 23.0                    |                            | 33.6                    |
|  | 2.11               |                           | 22.7                    |                              | 8.1                     |                               | 9.3                     |                              | 10.6                    |                               | 13.8                    |                            | 22.3                    |
|  | 2.81               |                           | 11.9                    |                              | 5.7                     |                               | 6.1                     |                              | 7.5                     |                               | 9.8                     |                            | 14.8                    |
|  | 3.52               |                           | 7.7                     |                              | 3.7                     |                               | 4.1                     |                              | 4.6                     |                               | 7.0                     |                            | 10.3                    |
|  | 4.22               |                           | 5.2                     |                              | 2.4                     |                               | 2.1                     |                              | 3.4                     |                               | 4.3                     |                            | 6.0                     |
|  | 4.92               |                           | 2.7                     |                              | 1.6                     |                               |                         |                              | 2.0                     |                               | 2.7                     |                            | 3.3                     |
| 5.27                                     | 1.7                | 1.0                       |                         | 1.7                          | 2.0                     |                               |                         |                              |                         |                               |                         |                            |                         |
|  | *(5.34)            |                           | *(5.32)                 |                              | *(4.64)                 |                               | *(5.37)                 |                              | *(5.41)                 |                               | *(5.14)                 |                            |                         |
| 7.03                                     | 0.00               | 73.0                      | 29.2                    | 59.3                         | 41.85                   | 57.3                          | 87.3                    | 68.8                         | 42.9                    | 88.8                          | 55.0                    | 174                        | 131                     |
|  | 0.35               |                           | 29.6                    |                              | 34.1                    |                               | 34.6                    |                              | 35.9                    |                               | 48.6                    |                            | 109                     |
|  | 0.70               |                           | 29.0                    |                              | 29.6                    |                               | 30.7                    |                              | 31.8                    |                               | 41.4                    |                            | 78.5                    |
|  | 1.41               |                           | 27.5                    |                              | 14.6                    |                               | 20.1                    |                              | 18.4                    |                               | 29.6                    |                            | 38.1                    |
|  | 2.11               |                           | 24.8                    |                              | 9.5                     |                               | 11.3                    |                              | 13.0                    |                               | 17.5                    |                            | 26.0                    |
|  | 2.81               |                           | 16.8                    |                              | 6.8                     |                               | 7.5                     |                              | 9.0                     |                               | 12.1                    |                            | 18.1                    |
|  | 3.52               |                           | 9.8                     |                              | 4.7                     |                               | 5.3                     |                              | 6.2                     |                               | 8.5                     |                            | 12.5                    |
|  | 4.22               |                           | 6.8                     |                              | 3.4                     |                               | 3.6                     |                              | 4.6                     |                               | 5.9                     |                            | 9.0                     |
|  | 4.92               |                           | 4.5                     |                              | 2.4                     |                               |                         |                              | 3.2                     |                               | 3.9                     |                            | 8.2                     |
| 5.62                                     | 2.3                | 1.3                       |                         | 2.1                          | 2.6                     | 6.3                           |                         |                              |                         |                               |                         |                            |                         |
|  | *(5.98)            |                           | *(5.94)                 |                              | *(5.13)                 |                               | *(5.98)                 |                              | *(6.05)                 |                               | *(5.72)                 |                            |                         |
| 8.44                                     | 0.00               | 80.0                      | 29.9                    | 64.9                         | 46.3                    | 62.8                          | 98.8                    | 75.3                         | 44.3                    | 97.3                          | 58.8                    | 191                        | 139                     |
|  | 0.35               |                           | 30.0                    |                              | 38.2                    |                               | 37.6                    |                              | 38.6                    |                               | 52.3                    |                            | 117                     |
|  | 0.70               |                           | 29.8                    |                              | 33.4                    |                               | 34.5                    |                              | 33.8                    |                               | 46.2                    |                            | 102                     |
|  | 1.41               |                           | 29.5                    |                              | 19.7                    |                               | 24.9                    |                              | 22.8                    |                               | 36.7                    |                            | 50.5                    |
|  | 2.11               |                           | 27.0                    |                              | 12.3                    |                               | 13.4                    |                              | 15.7                    |                               | 22.1                    |                            | 33.5                    |
|  | 2.81               |                           | 26.0                    |                              | 9.0                     |                               | 10.1                    |                              | 11.3                    |                               | 15.8                    |                            | 25.1                    |
|  | 3.52               |                           | 16.2                    |                              | 6.8                     |                               | 7.9                     |                              | 7.5                     |                               | 11.8                    |                            | 18.7                    |
|  | 4.22               |                           | 10.6                    |                              | 5.1                     |                               | 5.4                     |                              | 6.3                     |                               | 9.0                     |                            | 13.8                    |
|  | 4.92               |                           | 7.8                     |                              | 3.7                     |                               | 4.6                     |                              | 4.7                     |                               | 6.6                     |                            | 9.7                     |
| 5.62                                     | 5.5                | 2.7                       | 1.8                     | 3.6                          | 4.8                     | 9.3                           |                         |                              |                         |                               |                         |                            |                         |
| 6.33                                     | 3.4                | 2.1                       |                         | 2.6                          | 3.1                     | 7.6                           |                         |                              |                         |                               |                         |                            |                         |
| 7.03                                     |                    | 1.1                       |                         | 1.8                          | 2.4                     |                               |                         |                              |                         |                               |                         |                            |                         |
|  | *(7.17)            |                           | *(7.14)                 |                              | *(5.98)                 |                               | *(7.24)                 |                              | *(7.17)                 |                               | *(6.92)                 |                            |                         |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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# Injector Performance Table



## Air Suction Capacity (METRIC)

REV 2016-12

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 1584<br>40mm Threads |                         | Model 1585X<br>40mm Threads |                         | Model 1587<br>40mm Threads |                         | Model 2081<br>50mm Threads |                         | Model 3090<br>80mm Threads |                         | Model 4091<br>100mm Threads |                         |
|--|--------------------|----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|-----------------------------|-------------------------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Air<br>Suction<br>l/min |
| 0.35                                     | 0.00               | 68.3                       | 22.1                    | 38.9                        | 26.6                    | 64.2                       | 31.1                    | 117                        | 50.0                    | 287                        | 128                     | 553                         | 441                     |
|  | 0.07               |                            | 18.8                    |                             | 5.6                     |                            | 10.3                    |                            |                         |                            |                         |                             | 192                     |
|  | 0.14               |                            | 15.0                    |                             | 3.2                     |                            | 7.4                     |                            |                         |                            |                         |                             | 73.6                    |
|  | 0.21               |                            | 9.7                     |                             |                         |                            | 4.1                     |                            |                         |                            |                         |                             | 28.3                    |
|  | 0.28               |                            | 5.0                     |                             |                         |                            |                         |                            |                         |                            |                         |                             |                         |
| * (0.29)                                 |                    | * (0.25)                   |                         | * (0.29)                    |                         | * (0.29)                   |                         | * (0.29)                   |                         |                            |                         |                             |                         |
| 0.70                                     | 0.00               | 96.6                       | 46.2                    | 55.0                        | 30.6                    | 90.8                       | 60.3                    | 164                        | 109                     | 402                        | 194                     | 715                         | 767                     |
|  | 0.14               |                            | 34.1                    |                             | 9.4                     |                            | 28.8                    |                            | 58.1                    |                            | 121                     |                             | 305                     |
|  | 0.35               |                            | 17.5                    |                             | 5.5                     |                            | 10.2                    |                            | 20.8                    |                            | 40.4                    |                             | 76.4                    |
|  | 0.49               |                            | 9.7                     |                             |                         |                            | 4.6                     |                            |                         |                            | 20.0                    |                             | 31.1                    |
|  | 0.56               |                            | 5.9                     |                             |                         |                            | 2.3                     |                            |                         |                            |                         |                             |                         |
| * (0.60)                                 |                    | * (0.46)                   |                         | * (0.61)                    |                         | * (0.63)                   |                         | * (0.60)                   |                         |                            |                         |                             |                         |
| 1.05                                     | 0.00               | 118                        | 67.9                    | 67.4                        | 55.3                    | 111                        | 72.5                    | 205                        | 205                     | 490                        | 376                     | 871                         | 1,149                   |
|  | 0.35               |                            | 33.8                    |                             | 8.8                     |                            | 20.1                    |                            | 41.1                    |                            | 90.0                    |                             | 198                     |
|  | 0.49               |                            | 21.5                    |                             | 5.5                     |                            | 12.6                    |                            | 26.9                    |                            |                         |                             | 110                     |
|  | 0.70               |                            | 11.2                    |                             |                         |                            | 6.4                     |                            |                         |                            | 54.1                    |                             | 50.9                    |
|  | 0.84               |                            | 4.4                     |                             |                         |                            | 4.2                     |                            |                         |                            | 27.1                    |                             |                         |
| * (0.91)                                 |                    | * (0.66)                   |                         | * (0.95)                    |                         | * (0.94)                   |                         | * (0.95)                   |                         |                            |                         |                             |                         |
| 1.41                                     | 0.00               | 137                        | 80.2                    | 77.8                        | 61.7                    | 128                        | 81.6                    | 233                        | 268                     | 566                        | 508                     | 1,011                       | 1,308                   |
|  | 0.35               |                            | 48.2                    |                             | 14.6                    |                            | 30.3                    |                            | 66.6                    |                            | 155                     |                             | 351                     |
|  | 0.70               |                            | 19.3                    |                             | 6.0                     |                            | 12.0                    |                            | 29.3                    |                            | 56.7                    |                             | 124                     |
|  | 0.84               |                            | 14.7                    |                             | 3.0                     |                            | 8.8                     |                            | 21.2                    |                            | 41.2                    |                             | 79.2                    |
|  | 1.05               |                            | 5.9                     |                             |                         |                            | 5.6                     |                            |                         |                            | 22.9                    |                             | 42.4                    |
| * (1.20)                                 |                    | * (0.89)                   |                         | * (1.20)                    |                         | * (1.23)                   |                         | * (1.20)                   |                         |                            |                         |                             |                         |
| 1.76                                     | 0.00               | 153                        | 87.3                    | 87.0                        | 68.6                    | 143                        | 92.3                    | 259                        | 312                     | 632                        | 617                     | 1,120                       | 1,534                   |
|  | 0.35               |                            | 60.8                    |                             | 22.9                    |                            | 42.9                    |                            | 108                     |                            | 245                     |                             | 498                     |
|  | 0.70               |                            | 31.0                    |                             | 9.5                     |                            | 20.5                    |                            | 44.4                    |                            | 93.0                    |                             | 203                     |
|  | 1.05               |                            | 15.6                    |                             | 3.8                     |                            | 9.0                     |                            | 23.1                    |                            | 44.6                    |                             | 96.2                    |
|  | 1.41               |                            | 5.6                     |                             |                         |                            | 4.6                     |                            |                         |                            | 21.6                    |                             | 39.6                    |
| * (1.51)                                 |                    | * (1.08)                   |                         | * (1.55)                    |                         | * (1.57)                   |                         | * (1.51)                   |                         |                            |                         |                             |                         |
| 2.11                                     | 0.00               | 167                        | 91.5                    | 95.3                        | 79.8                    | 157                        | 108                     | 285                        | 339                     | 693                        | 700                     | 1,226                       | 1,778                   |
|  | 0.35               |                            | 72.1                    |                             | 28.7                    |                            | 54.0                    |                            | 155                     |                            | 426                     |                             | 920                     |
|  | 0.70               |                            | 46.9                    |                             | 12.1                    |                            | 25.8                    |                            | 60.9                    |                            | 131                     |                             | 297                     |
|  | 1.05               |                            | 25.6                    |                             | 6.9                     |                            | 14.1                    |                            | 36.8                    |                            | 69.0                    |                             | 150                     |
|  | 1.41               |                            | 13.4                    |                             |                         |                            | 8.2                     |                            | 20.8                    |                            | 39.4                    |                             | 82.1                    |
| 1.76                                     | 4.7                |                            | 4.7                     |                             | 20.8                    |                            |                         |                            |                         |                            |                         |                             |                         |
| * (1.83)                                 |                    | * (1.36)                   |                         | * (1.80)                    |                         | * (1.83)                   |                         | * (1.79)                   |                         |                            |                         |                             |                         |
| 2.46                                     | 0.00               | 181                        | 97.2                    | 103                         | 82.8                    | 170                        | 108                     | 304                        | 367                     | 745                        | 776                     | 1,329                       | 1,747                   |
|  | 0.35               |                            | 81.8                    |                             | 36.9                    |                            | 67.7                    |                            | 212                     |                            | 594                     |                             | 1,098                   |
|  | 0.70               |                            | 58.2                    |                             | 16.1                    |                            | 33.4                    |                            | 89.7                    |                            | 178                     |                             | 362                     |
|  | 1.05               |                            | 34.1                    |                             | 9.7                     |                            | 19.6                    |                            | 49.6                    |                            | 101                     |                             | 223                     |
|  | 1.41               |                            | 18.7                    |                             | 4.9                     |                            | 12.7                    |                            | 30.7                    |                            | 55.9                    |                             | 127                     |
| 1.76                                     | 10.6               |                            | 8.8                     | 19.8                        | 36.5                    | 67.9                       |                         |                            |                         |                            |                         |                             |                         |
| * (2.14)                                 |                    | * (1.58)                   |                         | * (2.04)                    |                         | * (2.14)                   |                         | * (2.07)                   |                         |                            |                         |                             |                         |
| 2.81                                     | 0.00               | 193                        | 100                     | 110                         | 83.5                    | 181                        | 120                     | 328                        | 381                     | 800                        | 836                     | 1,416                       | 1,905                   |
|  | 0.35               |                            | 89.0                    |                             | 41.2                    |                            | 89.5                    |                            | 265                     |                            | 613                     |                             | 1,257                   |
|  | 0.70               |                            | 69.7                    |                             | 21.3                    |                            | 40.9                    |                            | 115                     |                            | 231                     |                             | 453                     |
|  | 1.05               |                            | 46.6                    |                             | 11.7                    |                            | 24.7                    |                            | 64.7                    |                            | 136                     |                             | 294                     |
|  | 1.41               |                            | 28.1                    |                             | 7.8                     |                            | 17.0                    |                            | 43.9                    |                            | 82.8                    |                             | 189                     |
| 1.76                                     | 18.1               | 1.2                        | 12.6                    | 29.3                        | 50.7                    | 116                        |                         |                            |                         |                            |                         |                             |                         |
| 2.11                                     | 10.3               |                            | 8.1                     |                             | 33.2                    | 62.2                       |                         |                            |                         |                            |                         |                             |                         |
| * (2.46)                                 |                    | * (1.79)                   |                         | * (2.33)                    |                         | * (2.36)                   |                         | * (2.28)                   |                         |                            |                         |                             |                         |
| 3.16                                     | 0.00               | 205                        | 104                     | 117                         | 108                     | 193                        | 126                     | 347                        | 396                     | 846                        | 890                     | 1,503                       | 2,030                   |
|  | 0.35               |                            | 93.2                    |                             | 49.7                    |                            | 98.1                    |                            | 325                     |                            | 694                     |                             | 1,353                   |
|  | 0.70               |                            | 74.4                    |                             | 24.1                    |                            | 43.0                    |                            | 135                     |                            | 287                     |                             | 557                     |
|  | 1.05               |                            | 52.4                    |                             | 15.3                    |                            | 27.7                    |                            | 84.5                    |                            | 166                     |                             | 348                     |
|  | 1.41               |                            | 34.8                    |                             | 10.1                    |                            | 18.8                    |                            | 52.9                    |                            | 109                     |                             | 246                     |
| 1.76                                     | 23.4               | 5.7                        | 13.3                    | 40.1                        | 69.6                    | 161                        |                         |                            |                         |                            |                         |                             |                         |
| 2.11                                     | 15.3               |                            | 8.9                     | 25.5                        | 43.6                    | 99.1                       |                         |                            |                         |                            |                         |                             |                         |
| 2.46                                     | 10.0               |                            | 7.1                     |                             | 30.3                    |                            |                         |                            |                         |                            |                         |                             |                         |
| * (2.78)                                 |                    | * (2.02)                   |                         | * (2.88)                    |                         | * (2.67)                   |                         | * (2.53)                   |                         |                            |                         |                             |                         |
| 3.52                                     | 0.00               | 216                        | 106                     | 123                         | 96.1                    | 203                        | 127                     | 365                        | 409                     | 893                        | 932                     | 1,586                       | 2,120                   |
|  | 0.35               |                            | 98.1                    |                             | 61.1                    |                            | 104                     |                            | 300                     |                            | 767                     |                             | 1,458                   |
|  | 0.70               |                            | 82.8                    |                             | 26.7                    |                            | 52.6                    |                            | 162                     |                            | 361                     |                             | 764                     |
|  | 1.05               |                            | 62.8                    |                             | 17.9                    |                            | 33.3                    |                            | 108                     |                            | 204                     |                             | 402                     |
|  | 1.41               |                            | 45.6                    |                             | 12.9                    |                            | 24.4                    |                            | 68.9                    |                            | 139                     |                             | 305                     |
| 1.76                                     | 32.2               | 8.2                        | 17.6                    | 44.8                        | 95.1                    | 212                        |                         |                            |                         |                            |                         |                             |                         |
| 2.11                                     | 22.2               | 3.0                        | 10.7                    | 33.5                        | 64.3                    | 141                        |                         |                            |                         |                            |                         |                             |                         |
| 2.46                                     | 15.0               |                            | 9.2                     | 24.1                        | 43.5                    | 87.7                       |                         |                            |                         |                            |                         |                             |                         |
| 2.81                                     | 8.7                |                            | 6.8                     |                             | 28.7                    |                            |                         |                            |                         |                            |                         |                             |                         |
| * (2.99)                                 |                    | * (2.28)                   |                         | * (2.88)                    |                         | * (2.92)                   |                         | * (2.85)                   |                         |                            |                         |                             |                         |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

# Injector Performance Table

## Air Suction Capacity (METRIC)

REV 2016-12

| Operating Pressure<br>kg/cm <sup>2</sup> |                    | Model 1584<br>40mm Threads |                         | Model 1585X<br>40mm Threads |                         | Model 1587<br>40mm Threads |                         | Model 2081<br>50mm Threads |                         | Model 3090<br>80mm Threads |                         | Model 4091<br>100mm Threads |                         |
|--|--------------------|----------------------------|-------------------------|-----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|----------------------------|-------------------------|-----------------------------|-------------------------|
| Injector<br>INLET                        | Injector<br>OUTLET | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min    | Air<br>Suction<br>l/min | Motive<br>Flow<br>l/min     | Air<br>Suction<br>l/min |
| 4.22                                     | 0.00               | 236                        | 112                     | 135                         | 109                     | 222                        | 144                     | 400                        | 428                     | 974                        | 1,015                   | 1,730                       | 2,248                   |
|  | 0.35               |                            | 103                     |                             | 85.9                    |                            | 118                     |                            | 389                     |                            | 897                     |                             | 1,642                   |
|  | 0.70               |                            | 90.1                    |                             | 36.7                    |                            | 76.4                    |                            | 249                     |                            | 644                     |                             | 1,489                   |
|  | 1.05               |                            | 74.4                    |                             | 24.3                    |                            | 45.3                    |                            | 149                     |                            | 282                     |                             | 546                     |
|  | 1.41               |                            | 56.9                    |                             | 16.8                    |                            | 33.8                    |                            | 107                     |                            | 198                     |                             | 393                     |
|  | 2.11               |                            | 32.2                    |                             | 8.7                     |                            | 19.0                    |                            | 53.8                    |                            | 104                     |                             | 249                     |
|  | 2.46               |                            | 25.0                    |                             | 4.7                     |                            | 15.0                    |                            | 41.5                    |                            | 73.6                    |                             | 178                     |
|  | 2.81               |                            | 17.5                    |                             |                         |                            | 11.0                    |                            | 29.3                    |                            | 54.3                    |                             | 121                     |
|  | 3.16               |                            | 12.2                    |                             |                         |                            | 10.3                    |                            | 22.2                    |                            | 40.6                    |                             | 79.2                    |
|  | *(3.62)            |                            | *(2.69)                 |                             | *(3.51)                 |                            | *(3.52)                 |                            | *(3.44)                 |                            |                         |                             |                         |
| 4.92                                     | 0.00               | 255                        | 115                     | 146                         | 123                     | 432                        |                         | 432                        | 433                     | 1,050                      |                         | 1,870                       | 2,282                   |
|  | 0.35               |                            | 109                     |                             | 100                     |                            |                         |                            | 416                     |                            | 1,060                   |                             | 1,798                   |
|  | 0.70               |                            | 98.1                    |                             | 42.6                    |                            |                         |                            | 324                     |                            | 883                     |                             | 1,602                   |
|  | 1.05               |                            | 84.5                    |                             | 28.3                    |                            |                         |                            | 184                     |                            | 375                     |                             | 756                     |
|  | 1.41               |                            | 71.1                    |                             | 21.9                    |                            |                         |                            | 141                     |                            | 260                     |                             | 506                     |
|  | 2.11               |                            | 43.4                    |                             | 12.6                    |                            |                         |                            | 80.2                    |                            | 149                     |                             | 334                     |
|  | 2.81               |                            | 26.6                    |                             | 5.8                     |                            |                         |                            | 43.9                    |                            | 85.9                    |                             | 198                     |
|  | 3.16               |                            | 20.3                    |                             |                         |                            |                         |                            | 34.0                    |                            | 64.7                    |                             | 144                     |
|  | 3.52               |                            | 15.6                    |                             |                         |                            |                         |                            | 26.0                    |                            | 49.6                    |                             | 96.2                    |
| 3.87                                     | 10.0               |                            |                         | 20.8                        | 37.3                    | 76.4                       |                         |                            |                         |                            |                         |                             |                         |
|  | *(4.22)            |                            | *(3.14)                 |                             | *(4.11)                 |                            | *(4.11)                 |                            | *(4.11)                 |                            |                         |                             |                         |
| 5.62                                     | 0.00               | 273                        | 117                     | 156                         | 130                     | 464                        |                         | 464                        | 431                     | 1,126                      |                         | 2,006                       | 2,302                   |
|  | 0.35               |                            | 113                     |                             | 110                     |                            |                         |                            | 431                     |                            | 1,095                   |                             | 1,891                   |
|  | 0.70               |                            | 105                     |                             | 56.7                    |                            |                         |                            | 381                     |                            | 996                     |                             | 1,868                   |
|  | 1.05               |                            | 94.2                    |                             | 37.4                    |                            |                         |                            | 243                     |                            | 571                     |                             | 1,359                   |
|  | 1.41               |                            | 82.2                    |                             | 27.8                    |                            |                         |                            | 182                     |                            | 334                     |                             | 597                     |
|  | 2.11               |                            | 55.3                    |                             | 16.2                    |                            |                         |                            | 110                     |                            | 199                     |                             | 387                     |
|  | 2.81               |                            | 37.6                    |                             | 10.4                    |                            |                         |                            | 59.5                    |                            | 120                     |                             | 269                     |
|  | 3.52               |                            | 23.1                    |                             | 0.69                    |                            |                         |                            | 40.1                    |                            | 72.2                    |                             | 152                     |
|  | 4.22               |                            | 13.1                    |                             |                         |                            |                         |                            | 24.1                    |                            | 44.8                    |                             | 84.9                    |
| 4.57                                     | 8.4                |                            |                         | 19.8                        | 36.8                    | 67.9                       |                         |                            |                         |                            |                         |                             |                         |
|  | *(4.78)            |                            | *(3.59)                 |                             | *(4.68)                 |                            | *(4.75)                 |                            | *(4.75)                 |                            |                         |                             |                         |
| 6.33                                     | 0.00               | 290                        | 118                     | 165                         | 137                     | 490                        |                         | 490                        | 437                     | 1,194                      |                         | 1,194                       |                         |
|  | 0.35               |                            | 116                     |                             | 110                     |                            |                         |                            | 437                     |                            | 1,083                   |                             |                         |
|  | 0.70               |                            | 110                     |                             | 65.2                    |                            |                         |                            | 372                     |                            | 944                     |                             |                         |
|  | 1.41               |                            | 91.4                    |                             | 31.0                    |                            |                         |                            | 212                     |                            | 407                     |                             |                         |
|  | 2.11               |                            | 67.1                    |                             | 19.7                    |                            |                         |                            | 142                     |                            | 244                     |                             |                         |
|  | 2.81               |                            | 46.2                    |                             | 13.0                    |                            |                         |                            | 88.7                    |                            | 157                     |                             |                         |
|  | 3.52               |                            | 32.2                    |                             | 6.2                     |                            |                         |                            | 52.9                    |                            | 99.1                    |                             |                         |
|  | 4.22               |                            | 21.8                    |                             |                         |                            |                         |                            | 36.3                    |                            | 59.9                    |                             |                         |
|  | 4.92               |                            | 12.5                    |                             |                         |                            |                         |                            | 22.7                    |                            | 41.5                    |                             |                         |
| 5.27                                     | 8.4                |                            |                         | 18.9                        | 33.0                    |                            |                         |                            |                         |                            |                         |                             |                         |
|  | *(5.41)            |                            | *(4.04)                 |                             | *(5.33)                 |                            | *(5.38)                 |                            | *(5.38)                 |                            |                         |                             |                         |
| 7.03                                     | 0.00               | 305                        | 118                     | 174                         | 150                     | 519                        |                         | 519                        | 439                     | 1,258                      |                         | 1,258                       |                         |
|  | 0.35               |                            | 119                     |                             | 118                     |                            |                         |                            | 439                     |                            | 1,084                   |                             |                         |
|  | 0.70               |                            | 115                     |                             | 89.0                    |                            |                         |                            | 383                     |                            | 991                     |                             |                         |
|  | 1.41               |                            | 98.4                    |                             | 36.2                    |                            |                         |                            | 252                     |                            | 533                     |                             |                         |
|  | 2.11               |                            | 79.4                    |                             | 24.3                    |                            |                         |                            | 169                     |                            | 295                     |                             |                         |
|  | 2.81               |                            | 57.5                    |                             | 15.8                    |                            |                         |                            | 114                     |                            | 200                     |                             |                         |
|  | 3.52               |                            | 42.1                    |                             | 10.3                    |                            |                         |                            | 68.0                    |                            | 131                     |                             |                         |
|  | 4.22               |                            | 29.1                    |                             | 3.3                     |                            |                         |                            | 45.3                    |                            | 82.1                    |                             |                         |
|  | 4.92               |                            | 20.0                    |                             |                         |                            |                         |                            | 33.0                    |                            | 58.1                    |                             |                         |
| 5.62                                     | 11.8               |                            |                         | 21.7                        | 40.1                    |                            |                         |                            |                         |                            |                         |                             |                         |
|  | *(6.05)            |                            | *(4.44)                 |                             | *(5.77)                 |                            | *(5.98)                 |                            | *(5.98)                 |                            |                         |                             |                         |
| 8.44                                     | 0.00               | 334                        | 122                     | 191                         | 159                     | 568                        |                         | 568                        | 439                     | 1,376                      |                         | 1,376                       |                         |
|  | 0.35               |                            | 121                     |                             | 123                     |                            |                         |                            | 439                     |                            | 1,107                   |                             |                         |
|  | 0.70               |                            | 120                     |                             | 110                     |                            |                         |                            | 387                     |                            | 1,048                   |                             |                         |
|  | 1.41               |                            | 112                     |                             | 47.3                    |                            |                         |                            | 321                     |                            | 755                     |                             |                         |
|  | 2.11               |                            | 98.4                    |                             | 30.6                    |                            |                         |                            | 228                     |                            | 397                     |                             |                         |
|  | 2.81               |                            | 80.1                    |                             | 21.8                    |                            |                         |                            | 164                     |                            | 283                     |                             |                         |
|  | 3.52               |                            | 61.5                    |                             | 16.7                    |                            |                         |                            | 119                     |                            | 202                     |                             |                         |
|  | 4.22               |                            | 46.6                    |                             | 10.4                    |                            |                         |                            | 78.4                    |                            | 140                     |                             |                         |
|  | 4.92               |                            | 35.7                    |                             | 3.9                     |                            |                         |                            | 51.9                    |                            | 95.3                    |                             |                         |
| 5.62                                     | 25.9               |                            |                         | 40.1                        | 67.5                    |                            |                         |                            |                         |                            |                         |                             |                         |
| 6.33                                     | 17.5               |                            |                         | 28.3                        | 49.6                    |                            |                         |                            |                         |                            |                         |                             |                         |
| 7.03                                     | 10.3               |                            |                         | 20.3                        | 39.2                    |                            |                         |                            |                         |                            |                         |                             |                         |
|  | *(7.24)            |                            | *(5.29)                 |                             | *(7.06)                 |                            | *(7.17)                 |                            | *(7.17)                 |                            |                         |                             |                         |

\*Numbers in parenthesis indicate the injector outlet pressure when suction stops (Zero Suction Point).

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