

# Husky 3300 Plastic Pumps

## Air-Operated Double Diaphragm



### Technical Specifications

| Husky 3300 Plastic Pumps                                                                                         | Polypropylene                                      |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Maximum fluid working pressure                                                                                   | 100 psi (7.0 bar, 0.7 MPa)                         |
| Maximum free flow delivery*                                                                                      |                                                    |
| Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                | 280 gpm (1,059 lpm)                                |
| Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                              | 260 gpm (984 lpm)                                  |
| Maximum pump speed*                                                                                              |                                                    |
| Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                | 97 cpm                                             |
| Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                              | 130 cpm                                            |
| Maximum suction lift *                                                                                           | 8 ft (2.4 m) dry                                   |
| (varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables) |                                                    |
| Maximum size pumpable solids                                                                                     | 0.5 in (13 mm)                                     |
| Noise (dBA)***                                                                                                   |                                                    |
| Sound Power at 50 psi (3.4 bar) and 50 cpm                                                                       | 92 dBA                                             |
| Sound Power at 120 psi (8.3 bar) and full flow                                                                   | 99 dBA                                             |
| Sound Pressure at 50 psi (3.4 bar) and 50 cpm                                                                    | 86 dBA                                             |
| Sound Pressure at 120 psi (8.3 bar) and full flow                                                                | 93 dBA                                             |
| Maximum air consumption                                                                                          | 275 scfm (7.8 m <sup>3</sup> /min.)                |
| Air pressure operating range                                                                                     | 20 to 100 psi<br>(1.4 to 7.0 bar, 0.14 to 0.7 MPa) |
| Air inlet size                                                                                                   | 3/4 npt(f)                                         |
| Fluid inlet/outlet                                                                                               | 3 in (76.2 mm) ANSI/DIN flange                     |
| Weight                                                                                                           | 200 lb (91 kg)                                     |
| Instruction manual                                                                                               | 3A0410                                             |
| Repair/parts manual                                                                                              | 3A0411                                             |

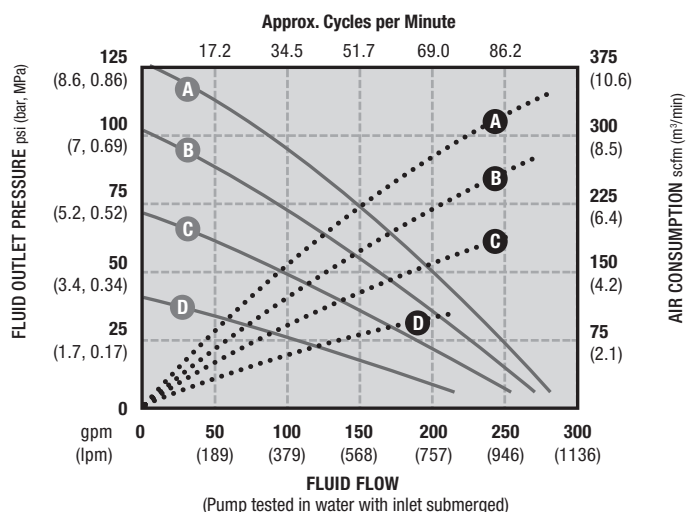
\* Maximum values with water as media at ambient temperature. Water level is approximately 3 feet above pump inlet.

\*\* Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

\*\*\* Sound power measured per ISO-9614-2. Sound pressure was tested 3.28 ft (1 m) from equipment.

### Performance Charts

Husky 3300 Performance



| AIR PRESSURE                       | LEGEND               |
|------------------------------------|----------------------|
| Ⓐ = at 125 psi (8.3 bar, 0.83 MPa) | Air Consumption..... |
| Ⓑ = at 100 psi (7 bar, 0.7 MPa)    | Fluid Pressure ———   |
| Ⓒ = at 70 psi (4.8 bar, 0.48 MPa)  |                      |
| Ⓓ = at 40 psi (2.8 bar, 0.28 MPa)  |                      |

# Husky 3300 Metal Pumps

## Air-Operated Double Diaphragm



### Technical Specifications

| Husky 3300 Metal Pumps                                                                                                                        | Aluminum                                         | Stainless Steel                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Maximum fluid working pressure<br>with Aluminum Center Section<br>with Polypropylene Center Section                                           | 125 psi (8.6 bar, 0.86 MPa)                      | 125 psi (8.6 bar, 0.86 MPa)<br>100 psi (7.0 bar, 0.7 MPa)                                           |
| Maximum free flow delivery*                                                                                                                   |                                                  |                                                                                                     |
| Standard diaphragms at 125 psi (8.6 bar, 0.86 MPa)                                                                                            | 300 gpm (1,135 lpm)                              | 300 gpm (1,135 lpm)                                                                                 |
| Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                                             | 280 gpm (1,059 lpm)                              | 280 gpm (1,059 lpm)                                                                                 |
| Overmolded diaphragms at 125 psi (8.6 bar, 0.86 MPa)                                                                                          | 270 gpm (1,022 lpm)                              | 270 gpm (1,022 lpm)                                                                                 |
| Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                                           | 260 gpm (984 lpm)                                | 260 gpm (984 lpm)                                                                                   |
| Maximum pump speed*                                                                                                                           |                                                  |                                                                                                     |
| Standard diaphragms at 125 psi (8.6 bar, 0.86 MPa)                                                                                            | 103 cpm                                          | 103 cpm                                                                                             |
| Standard diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                                             | 97 cpm                                           | 97 cpm                                                                                              |
| Overmolded diaphragms at 125 psi (8.6 bar, 0.86 MPa)                                                                                          | 135 cpm                                          | 135 cpm                                                                                             |
| Overmolded diaphragms at 100 psi (7.0 bar, 0.7 MPa)                                                                                           | 130 cpm                                          | 130 cpm                                                                                             |
| Maximum suction lift *<br>(varies widely based on ball/seat selection and wear,<br>operating speed, material properties, and other variables) | 8 ft (2.4 m) dry<br>28 ft (8.5 m) wet            | 8 ft (2.4 m) dry<br>28 ft (8.5 m) wet                                                               |
| Maximum size pumpable solids                                                                                                                  | 0.5 in (13 mm)                                   | 0.5 in (13 mm)                                                                                      |
| Noise (dBA)**                                                                                                                                 |                                                  |                                                                                                     |
| Sound Power at 50 psi (3.4 bar) and 50 cpm                                                                                                    | 92 dBA                                           | 92 dBA                                                                                              |
| Sound Power at 120 psi (8.3 bar) and full flow                                                                                                | 99 dBA                                           | 99 dBA                                                                                              |
| Sound Pressure at 50 psi (3.4 bar) and 50 cpm                                                                                                 | 86 dBA                                           | 86 dBA                                                                                              |
| Sound Pressure at 120 psi (8.3 bar) and full flow                                                                                             | 93 dBA                                           | 93 dBA                                                                                              |
| Maximum air consumption<br>with Aluminum Center Section<br>with Polypropylene Center Section                                                  | 335 scfm (9.5 m <sup>3</sup> /min.)              | 335 scfm (9.5 m <sup>3</sup> /min.)<br>275 scfm (7.8 m <sup>3</sup> /min.)                          |
| Air pressure operating range<br>with Aluminum Center Section<br>with Polypropylene Center Section                                             | 20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa) | 20 to 125 psi (1.4 to 8.6 bar, 0.14 to 0.86 MPa)<br>20 to 100 psi (1.4 to 7.0 bar, 0.14 to 0.7 MPa) |
| Air inlet size                                                                                                                                | 3/4 npt(f)                                       | 3/4 npt(f)                                                                                          |
| Fluid inlet                                                                                                                                   | 3 in (76.2 mm) npt or bspt with ANSI/DIN flange  | 3 in (76.2 mm) npt or bspt                                                                          |
| Weight                                                                                                                                        | 150 lb (68 kg)                                   | 255 lb (116 kg)                                                                                     |
| Instruction manual                                                                                                                            | 3A0410                                           | 3A0410                                                                                              |
| Repair/parts manual                                                                                                                           | 3A0411                                           | 3A0411                                                                                              |

\* Maximum values with water as media at ambient temperature. Water level is approximately 3 feet above pumpinlet.

\*\* Startup pressures and displacement per cycle may vary based on suction condition, discharge head, air pressure, and fluid type.

\*\*\* Sound power measured per ISO-9614-2. Sound pressure was tested 3.28 ft (1 m) from equipment.

Performance Charts

