

# 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 * (varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	8 ft (2.4 m) dry
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 (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

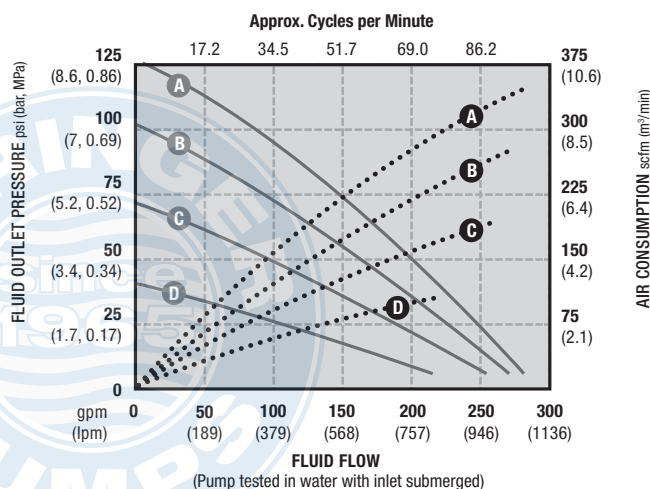
\* Maximum values with water as media at ambient temperature. Water level is approximately 3 feet above pump inlet.

\*\* 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
(A) = at 125 psi (8.3 bar, 0.83 MPa)	Air Consumption •••••
(B) = at 100 psi (7 bar, 0.7 MPa)	Fluid Pressure ———
(C) = at 70 psi (4.8 bar, 0.48 MPa)	
(D) = at 40 psi (2.8 bar, 0.28 MPa)	

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PROCESS EQUIPMENT CATALOG

# Husky 3300 Metal Pumps

## Air-Operated Double Diaphragm



### Technical Specifications

Husky 3300 Metal Pumps	Aluminum	Stainless Steel
Maximum fluid working pressure with Aluminum Center Section with Polypropylene Center Section	125 psi (8.6 bar, 0.86 MPa)	125 psi (8.6 bar, 0.86 MPa) 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 * (varies widely based on ball/seat selection and wear, operating speed, material properties, and other variables)	8 ft (2.4 m) dry 28 ft (8.5 m) wet	8 ft (2.4 m) dry 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		
with Aluminum Center Section	335 scfm (9.5 m <sup>3</sup> /min.)	335 scfm (9.5 m <sup>3</sup> /min.)
with Polypropylene Center Section		275 scfm (7.8 m <sup>3</sup> /min.)
Air pressure operating range		
with Aluminum 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)
with Polypropylene Center Section		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.

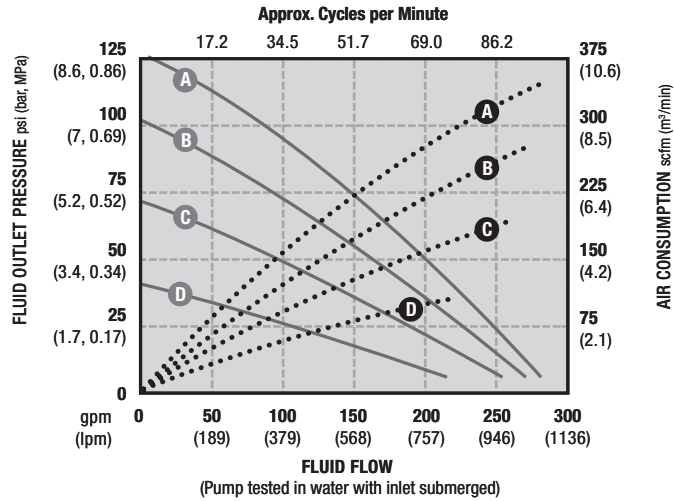


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## Performance Charts

### 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)	



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