

Husky 1050HP Metal Pumps

Air-Operated Double Diaphragm



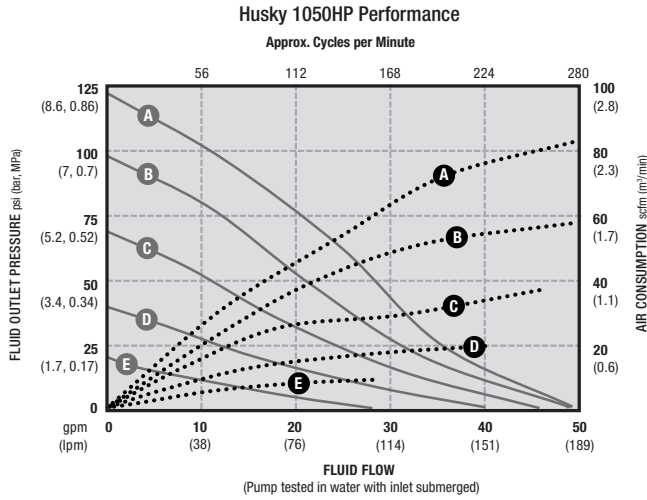
Technical Specifications

Maximum fluid working pressure	250 psi (14 bar, 1.4 MPa)
Air pressure operating range	20-125 psi (1.4-6.9 bar, 0.14-0.69 MPa)
Fluid displacement per cycle	
Low Pressure Setting	0.17 gal (0.64 l)
High Pressure Setting	0.20 gal (0.76 l)
Air consumption at 70 psi (4.8 bar), 20 gpm (76 lpm)	
Low Pressure Setting26 scfm (0.7 m3/min)
High Pressure Setting51 scfm (1.4 m3/min)
Maximum values with water as media under submerged inlet conditions at ambient temperature:	
Maximum air consumption	
Low Pressure Setting59 scfm (1.7 m3/min)
High Pressure Setting95 scfm (2.7 m3/min)
Maximum free-flow delivery	
Low Pressure Setting	50 gpm (189 lpm)
High Pressure Setting	46 gpm (174 lpm)
Maximum pump speed	
Low Pressure Setting	280 cpm
High Pressure Setting	225 cpm
Maximum suction lift*	
Dry16 ft (4.9 m)
Wet29 ft (8.8 m)
Maximum size pumpable solids	1/8 in (3.2 mm)
Recommended cycle rate for continuous use93-140 cpm (in Low or High setting)
Air inlet size	3/4 npt(f)
Fluid inlet size	1 in npt(f) or bspt
Fluid outlet size	1 in npt(f) or bspt
Weight	
Aluminum manifolds	48 lb (21.8 kg)
SST manifolds	60 lb (27.2 kg)
Wetted parts	aluminum or stainless steel plus the material(s) chosen for seat, ball, and diaphragm options
Non-wetted external parts	aluminum, coated carbon steel, sst

*Varies based on ball/seat selection and wear, operating speed, material properties, and other variables

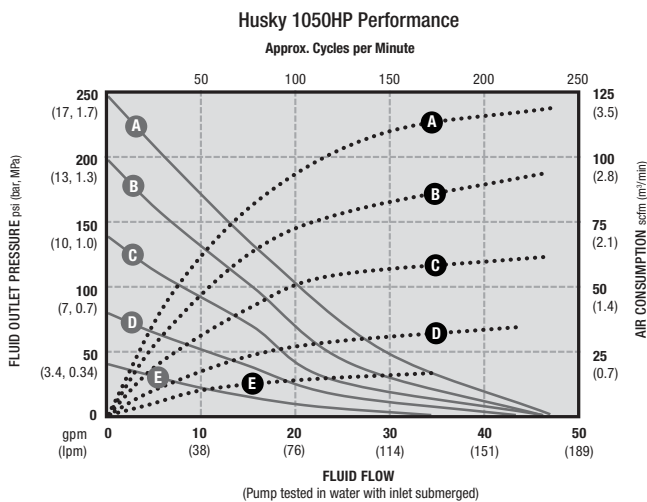
Performance Charts

Low Pressure Setting



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)	

High Pressure Setting



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)	