

Technical Data

Maximum fluid working pressure 120 psi
 (0.84 MPa, 8.4 bar)
 Air pressure operating range 20 to 120 psi
 (1.4 to 8.4 bar, 0.14 to 0.84 MPa)
 Maximum air consumption 125 scfm
 Air consumption at 70 psi/60 gpm 50 scfm (see chart)
 Maximum free flow delivery 100 gpm (378.5 l/min)
 Maximum pump speed 200 cpm
 Gallons (liters) per cycle 0.5 (1.9)
 Maximum suction lift 18 ft (5.48 m) wet or dry
 Maximum size pumpable solids 3/16 in. (4.8 mm)
 * Maximum noise level at 100 psi, 50 cpm 94 dBA
 Sound power level 108 dBa
 * Noise level at 70 psi, 50 cycles/min 72 dBa
 Maximum operating temperature 150° F (65.5° C)
 Air inlet size 1/2 npt(f)
 Fluid inlet size 1-1/2 in. raised face flange
 Fluid outlet size 1-1/2 in. raised face flange
 Wetted parts Vary by model. See pages 26 to 29

Non-wetted external parts . aluminum, 302 and 316 stainless steel polyester (labels)

Weight *Polypropylene Pumps:*
 with aluminum center section 35 lb (16 kg)
 *PVDF Pumps:*
 with aluminum center section 49 lb (22 kg)
 *Polypropylene Plus Pumps:*
 with stainless steel center section 49 lb (23 kg)
 *PVDF Pumps:*
 with stainless steel center section 63 lb (30 kg)

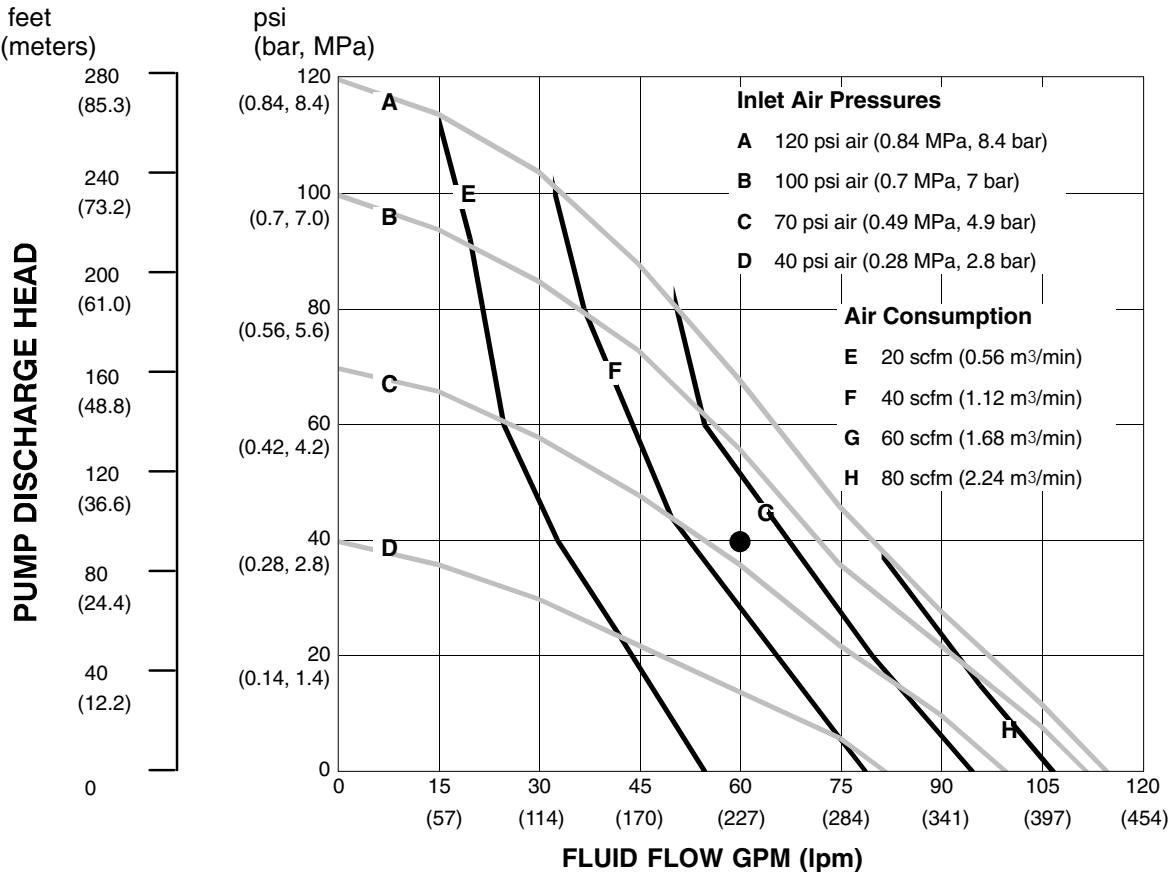
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* Noise levels measured with the pump mounted on the floor, using Rubber Foot Kit 236452. Sound power measured per ISO Standard 9216.

Example of Finding Pump Air Consumption and Air Pressure at a Specific Fluid Delivery and Discharge Head:

To supply 60 gpm (227 liters) fluid flow (horizontal scale) at 40 psi (0.28 MPa, 2.8 bar) discharge head pressure (vertical scale) requires approximately 50 scfm (1.40 m³/min) air consumption at 70 psi (0.49 MPa, 4.9 bar) inlet air pressure.



TEST CONDITIONS
 Pump tested in water with PTFE diaphragm and inlet submerged.

KEY ——— FLUID PRESSURE AND FLOW
 ——— SCFM AIR CONSUMPTION