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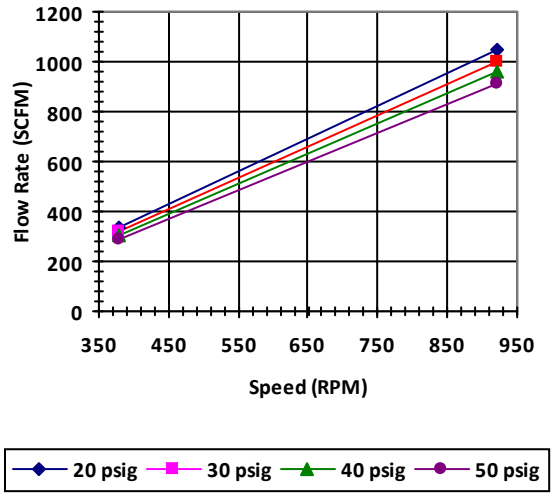
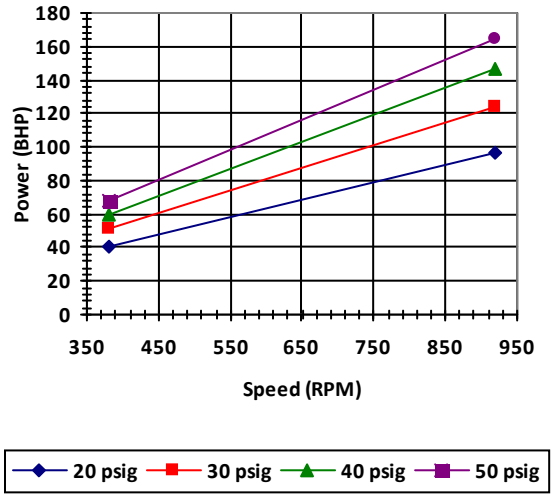
MODEL 12L

Product Data Sheet

GENERAL PERFORMANCE





Curve based on gas with S.G. 0.65, Ts = 80 °F, Ps = 0 psig

TECHNICAL DATA

Inlet Connection	8" ANSI Class 150 Flat Face Flange
Discharge Connection	6" ANSI Class 150 Flat Faced Flange
Operating Speed Range	380 RPM - 920 RPM
Maximum Allowable Working Pressure	80 psig (552 kPag)
Casing Hydrostatic Test Pressure	225 psig (1551 kPag)
Maximum Allowable Operating Temp	350 °F (177 °C)
Shaft Seal	Single face mechanical or double bellows
Bearings	Custom designed, heavy duty roller bearing
Lubrication	Once through oil injection - 9 points (lubrication system provided by others)
Drive Type	Direct couple or belt drive, suitable for VFD
Shaft End	Ø 3 inches (76.2 mm) at coupling
Vibration	Typical vertical or horizontal overall vibration velocity amplitude is approximately 0.4 in./sec. peak
Approximate Compressor Weight	2450 lbs. (1111 kg)

MATERIALS OF CONSTRUCTION

Casing (cylinder heads)	Ductile Iron ASTM A395 60-40-18 (NACE MR0175-2000 compliant)
Rotor	SAE 1144
Vanes	Laminated kevlar cloth in a phenolic resin
Bearings	Steel cage, Alloy steel rollers and races (no yellow metals)
Gaskets	Neoprene (Viton available)
O-rings	Buna (Viton available)
Seals	Options available
Studs	ASTM A193 B7
Seal Rings	Cloth weave in a phenolic resin
Dowel Pins	ASME B18.8.2
Finish	Two part epoxy paint

For more product information, including General Arrangement Drawings, please refer to our website: 12L Product Page