



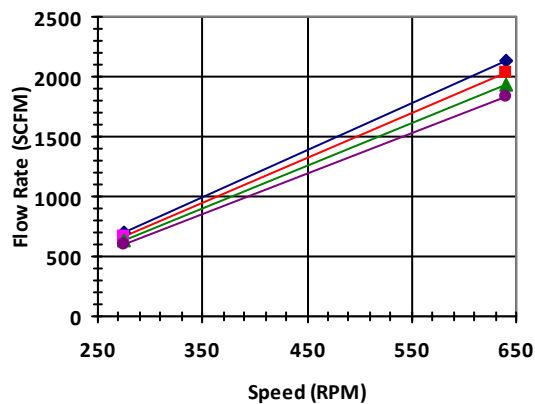
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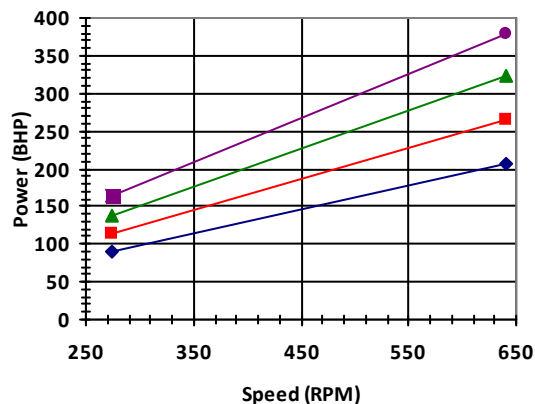
MODEL 19LE

Product Data Sheet

GENERAL PERFORMANCE



—◆— 20 psig —■— 30 psig —▲— 40 psig —●— 50 psig



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Curve based on gas with S.G. 0.65, $T_s = 80^\circ\text{F}$, $P_s = 0$ psig

TECHNICAL DATA

Inlet Connection.....	10" ANSI Class 150 Flat Face Flange
Discharge Connection.....	8" ANSI Class 150 Flat Faced Flange
Operating Speed Range.....	275 RPM - 640 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 - 10 points (lubrication system provided by others)
Drive Type.....	Direct couple or belt drive, suitable for VFD
Shaft End.....	Ø 3.5 inches (88.9 mm) at coupling
Vibration.....	Typical vertical or horizontal overall vibration velocity amplitude is approximately 0.4 in./sec. peak
Approximate Compressor Weight.....	5270 lbs. (2390 kg)

MATERIALS OF CONSTRUCTION

Casing (cylinder heads).....	Ductile Iron ASTM A395 60-40-18 (NACE MR0175-2000 compliant)
Rotor.....	SAE 1141
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