



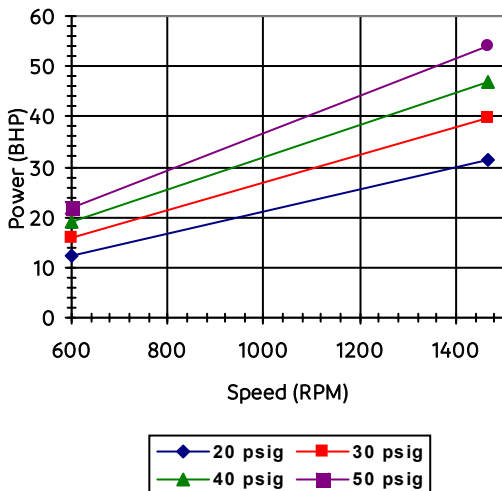
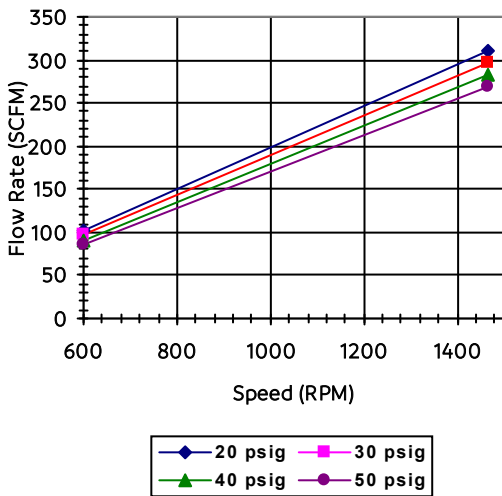
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Model 8D

Product Data Sheet

GENERAL PERFORMANCE



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

TECHNICAL DATA

Inlet Connection.....	4" ANSI Class 150 Flat Face Flange
Discharge Connection.....	3" ANSI Class 150 Flat Face Flange
Operating Speed Range.....	600 RPM - 1465 RPM
Maximum Allowable Working Pressure.....	80 psig (552 kPag)
Casing Hydrostatic Test Pressure.....	Minimum of 1.5X MAWP
Maximum Allowable Operating Temp.....	350 °F (177 °C)
Shaft Seal.....	Single face or double opposed
Bearings.....	Custom designed, heavy duty roller bearing
Lubrication.....	Once through oil injection - 7 points (lubrication system provided by others)
Drive Type.....	Direct couple or belt drive, suitable for VFD
Shaft End.....	Ø 1.625 inches (41.28 mm) at coupling
Vibration.....	Typical vertical or horizontal overall vibration velocity amplitude is approximately 0.4 in./sec. peak
Approximate Compressor Weight.....	800 lbs. (363 kg)

MATERIALS OF CONSTRUCTION

Casing (cylinder heads).....	Ductile Iron ASTM A395 60-40-18 (NACE MR0175-2015 compliant)
Rotor.....	Single Piece AISI 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.....	PTFE based material
Dowel Pins.....	ASME B18.8.2
Finish.....	Two part epoxy paint