



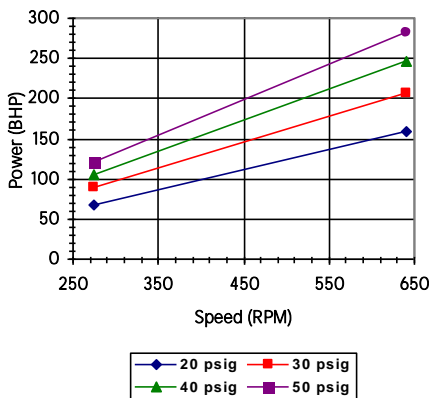
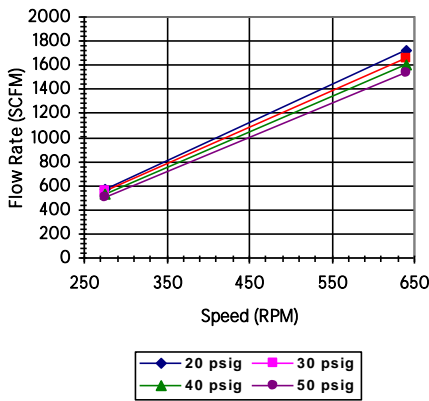
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Model 19S

Product Data Sheet

GENERAL PERFORMANCE



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

TECHNICAL DATA

| | |
|---|--|
| Inlet Connection..... | 10" ANSI Class 150 Flat Face Flange |
| Discharge Connection..... | 8" ANSI Class 150 Flat Face Flange |
| Operating Speed Range..... | 275 RPM - 640 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 - 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..... | 5100 lbs. (2313 kg) |

MATERIALS OF CONSTRUCTION

| | |
|------------------------------|---|
| Casing (cylinder heads)..... | Ductile Iron ASTM A395 60-40-18 (NACE MR0175-2015 compliant) |
| Rotor..... | Single Piece AISI 1045 (NACE MR0175-2015 compliant) |
| 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 |

For more product information, including General Arrangement Drawings, please refer to our website: [19S Product Page](#)