**TECHNICAL DATA**

- **Number of stage**: 1 thru 9 (cast)
- **Inlet connection**: 6” (152 mm) flange, matches 125# ANSI
- **Outlet connection**: 6” (152 mm) flange, matches 125# ANSI
- **Operating speed**: 3600 rpm in direct drive (60Hz)
- **Lubrication**: Grease lubricated
- **Impeller diameter**: 24” (611 mm)
- **Impeller tip speed**: 439 f/s (133.26 m/s)
- **Drive**: Direct drive or gear box or V-belts
- **Vibration tolerance**: 1.25 mils peak-to-peak (4.5 mm /s)
- **Shaft end**: 1” 3/4 (45 mm), inlet end drive standard.

**MATERIALS OF CONSTRUCTION**

- Heads, Bearing housings: Cast iron ASTM A-48 Class 35B
- Sections: Cast aluminium ASTM 356 or equivalent (cast iron optional)
- Tie rods: 13/16” (20 mm) diameter cold drawn steel A60
- Joint sealing compound: RTV IS502 Silicone
- Seals (air): Two graphite rings each end
- Seals (gas): Four carbon rings each end with inert gas injection
- Bearings: Ball bearings 6410 C3 per AFBMA B10 STANDARD
- Shaft: AISI 1038 CARBON STEEL or equivalent
- Impellers: Cast aluminium ASTM 360 or equivalent
- Baffle rings: Stainless steel
- Motor pedestal: Structural steel
- Base pads: Korfund Elasto-rib or equivalent
- Noise level: In compliance with OSHA standards when machine is fully, piped (certified tests available).

**TECHNICAL DATA SHEET**

**“51” SERIES**

**AIR & GAS**

**DIMENSIONS ARE IN INCHES AND (MM)**

**VALUES, DIMENSIONS AND REFERENCE IN THIS BROCHURE ARE APPROXIMATE AND INTENDED AS A GUIDE ONLY, NOT FOR CONSTRUCTION AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.**

**CONTINENTAL BLOWER LLC.**