**TECHNICAL DATA**

Number of stage: 1 thru 6  
Inlet connection: 28" (706 mm) flange, PN 10 DN 700  
Outlet connection: 24" (610 mm) flange, PN 10 DN 600  
Operating speed: 3570 rpm in direct drive (60Hz)  
Lubrication: Oil type with constant level  
Impeller diameter: 36" (915 mm)  
Impeller tip speed: 562 fps (172 m/sec)  
First critical speed: 4567 rpm (6-stage)  
Drive: Direct drive or gear box  
Vibration tolerance: 1.25 mils peak-to-peak (4.5 mm/s)  
Balance piston: On all stages with pipes connection  
Shaft end: 95 mm (3 3/4), inlet end drive standard

**MATERIALS OF CONSTRUCTION**

Head, Sections, Bearing housings: Cast iron FGL 250  
Tie rods: 15/16" (24 mm) diameter cold drawn steel A60  
Joint sealing compound: RTV IS502 Silicone  
Seals (air): Carbon rings each end  
Seals (gas): Four carbon rings each end with inert gas injection  
Bearings: Ball bearings 6320 C3 PER ABMA B10 STANDARD  
Shaft: Carbon steel 2 C 35 (stainless steel available)  
Impellers: Fabricated aluminium AS10G-AG3M-AG4MC or cast aluminium 443  
Baffle rings: Stainless steel  
Motor pedestal: UPN roll carbon steel.  
Base pads: Anchor bolts  
Noise level: In compliance with OSHA standards when machine is fully, piped (certified tests available)

**TECHNICAL DATA SHEET**

**“700” SERIES**

**AIR & GAS**

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**MODEL 700 Working Area**

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