

TECHNICAL DATA SHEET

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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

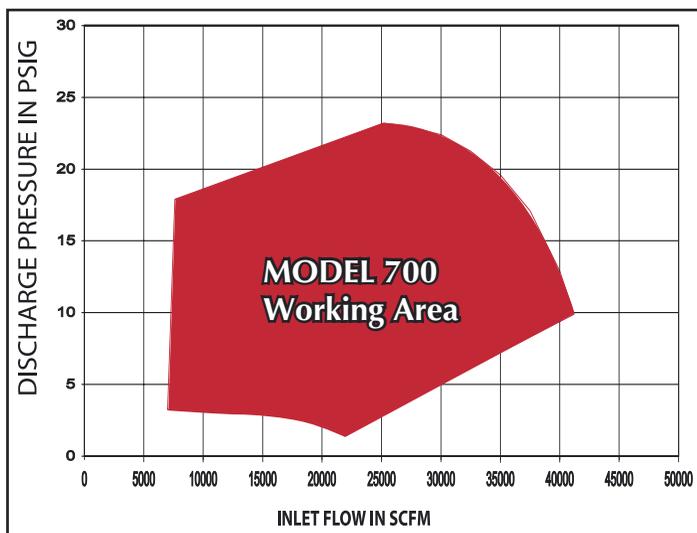
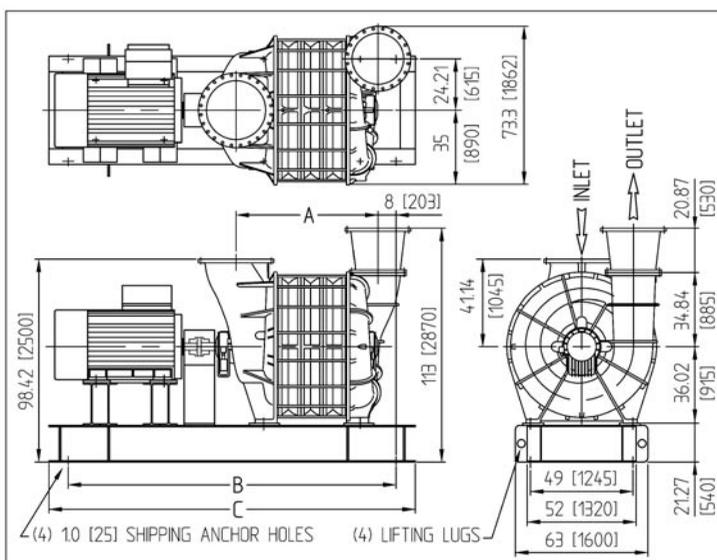
"700" SERIES



AIR & GAS

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 AFBMA 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)



BLOWER SIZE	Max. Motor Frame Size	"A"	"B"	"C"	WEIGHT		ROTOR WK ² (lb.ft ²)
					LBS	Kg	
700.01		35 [890]	140 [3556]	158 [4013]	12780	5800	
700.02		45.5 [1155]	155 [3937]	173 [4394]	15870	7200	
700.03		55.9 [1420]	186 [4724]	204 [5182]	18950	8600	
700.04		66.3 [1685]	186 [4724]	204 [5182]	21820	9900	
700.05		76.8 [1950]	215 [5461]	233 [5918]	24900	11300	
700.06		87.2 [2215]	215 [5461]	233 [5918]	27770	12600	

NOTES: _DIMENSIONS ARE IN INCHES AND [mm] . _WEIGHT WITHOUT MOTOR
 _ACTUAL DIMENSIONS MAY VARY SLIGHTLY TO SUIT APPLICATION