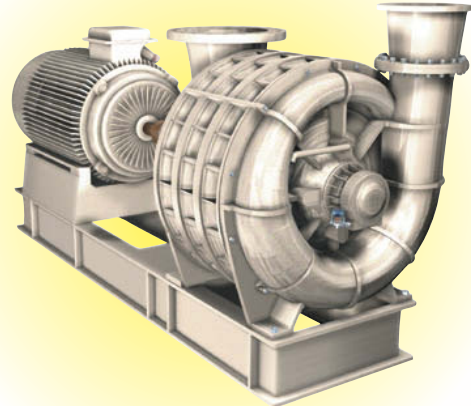


# TECHNICAL DATA SHEET

## TECHNICAL DATA

**Number of stage :** 1 thru 6 (cast)  
**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/s)  
**First critical speed :** 4588 rpm (6-stage)  
**Drive :** Direct drive or gear box  
**Vibration tolerance :** 1.34 mils peak-to-peak (4,5 mm/s RMS)  
**Balance piston :** On all stages with pipes connection  
**Shaft end :** 3" 3/4 (95 mm), inlet end drive standard

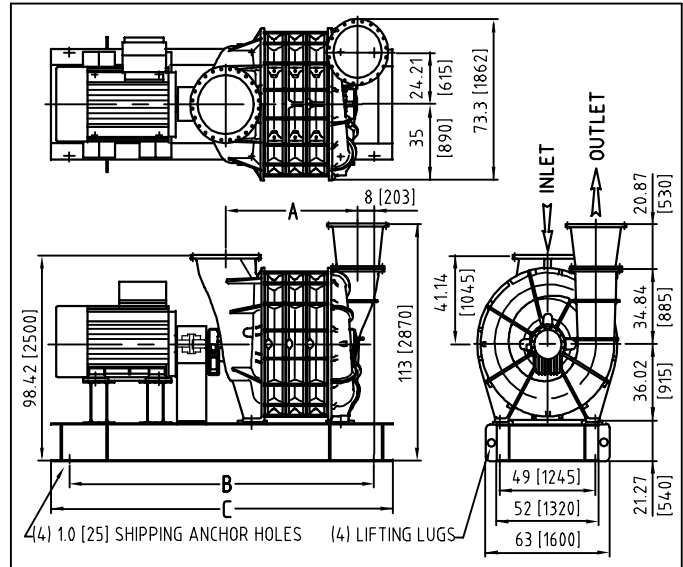
## "700" SERIES



## AIR & GAS

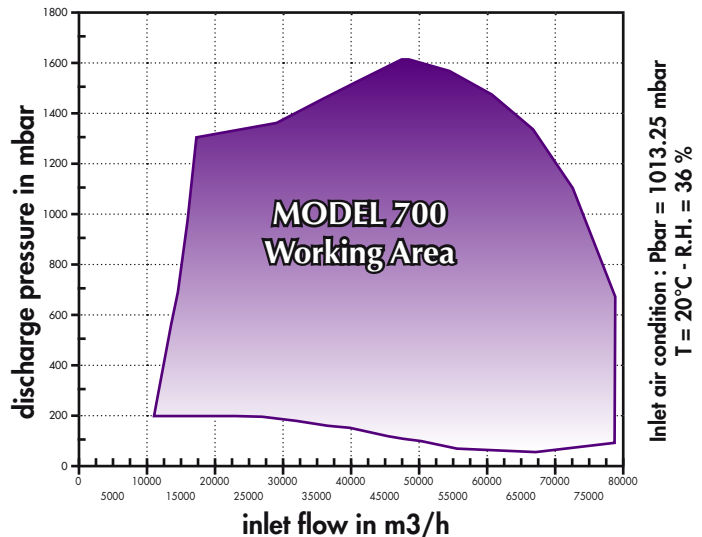
## MATERIALS OF CONSTRUCTION

**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 FBMA B10 STANDARD  
**Shaft :** Carbon steel 42 Cr Mo 4 (stainless steel available)  
**Impellers :** Cast aluminium Al Si 10 Mg  
**Baffle rings :** Stainless steel  
**Motor pedestal :** UPN roll carbon steel.  
**Base frame installation :** Anchor bolts



BLOWER SIZE	"A"	"B"	"C"	WEIGHT		Rotor moment of inertia kg.m <sup>2</sup>
				LBS	Kg	
700.01	35 (890)	140 (3556)	158 (4013)	12780	5800	5.43
700.02	45.5 (1155)	155 (3937)	173 (4394)	15870	7200	9.85
700.03	55.9 (1420)	186 (4724)	204 (5182)	18950	8600	14.27
700.04	66.3 (1685)	186 (4724)	204 (5182)	21820	9900	18.69
700.05	76.8 (1950)	215 (5461)	233 (5918)	24900	11300	23.11
700.06	87.2 (2215)	215 (5461)	233 (5918)	27770	12600	27.53

DIMENSIONS ARE IN INCHES AND (MM)  
ACTUAL DIMENSIONS MAY VARY SLIGHTLY TO SUIT APPLICATION



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.

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