

TECHNICAL DATA SHEET

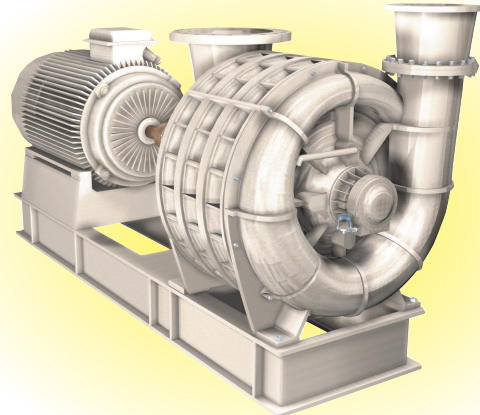
TECHNICAL DATA

Number of stage : 1 thru 7
 Inlet connection : 18" (460 mm) flange, matches 125# ANSI
 Outlet connection : 16" (405 mm) flange, matches 125# ANSI
 Operating speed : 3550 rpm in direct drive (60Hz),
 Lubrication : Oil type with constant level
 Impeller diameter : 32" (813 mm)
 Impeller tip speed : 499 fps (152 m/s)
 Drive : Direct drive or gear box
 Vibration tolerance : 1.25 mils peak-to-peak (4.5 mm /s)
 Balance piston : From 3 to 6 stages with pipe connection
 Shaft end : 2" 9/16 (75 mm) , inlet end drive standard

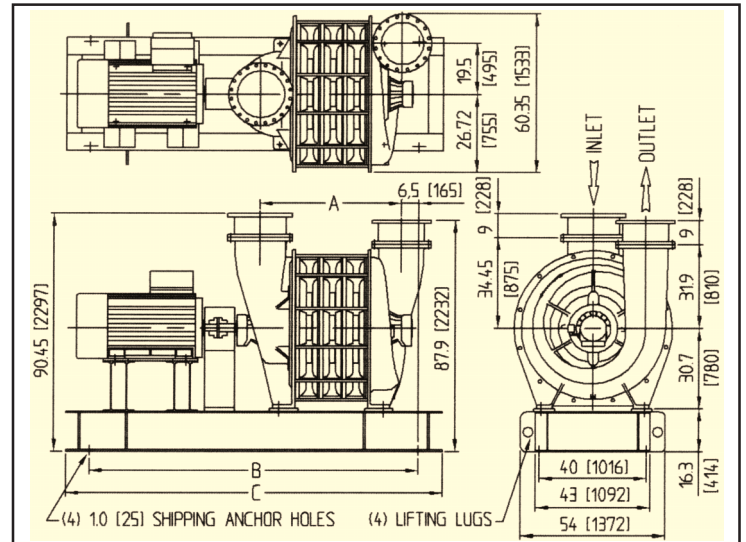
MATERIALS OF CONSTRUCTION

Heads, Sections, Bearing housings : Cast iron ASTM A-48 Class 35B
 Tie rods : 7/8" (22 mm) diameter cold drawn steel A60
 Joint sealing compound : RTV IS502 Silicone
 Seals (air) : Two graphit rings each end
 Seals (gas) : Four carbon rings each end with inert gas injection
 Bearings : Ball bearings 6316 C3 PER AFBMA B10 STANDARD
 Shaft : AISI 1038 Carbon steel or equivalent
 Impellers : Fabricated aluminium ASTM 6061
 Baffle rings : Stainless steel
 Motor pedestal : Structural steel.
 Base pads : Anchor bolts
 Noise level : In compliance with OSHA standards when machine is fully piped (certified tests available).

"500" SERIES

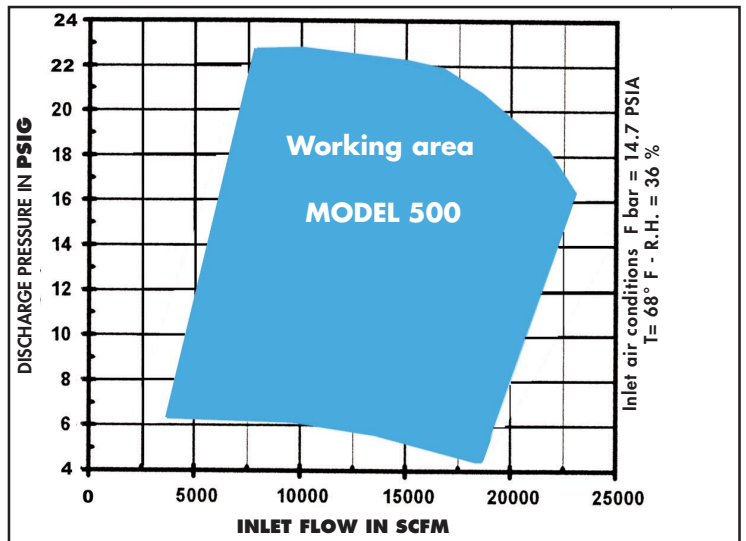


AIR & GAS



BLOWER SIZE	"A"	"B"	"C"	WEIGHT LBS	KG	ROTOR WK ² (lb. ft ²) FABRICATED ONLY
50001	26.75 (680)	118.0 (2997)	126.0 (3200)	6170	2800	37.69
50002	35.5 (936)	120.0 (3048)	138.0 (3505)	7600	3450	61.32
50003	44.25 (1124)	142.0 (3607)	160.0 (4064)	9250	4200	84.95
50004	53.00 (1448)	142.0 (3607)	160.0 (4064)	10580	4800	108.58
50005	61.75 (1568)	172.0 (4369)	185.0 (4700)	13220	6000	132.21
50006	70.50 (1960)	172.0 (4369)	185.0 (4700)	14550	6800	155.84

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.

CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC . CONTINENTAL BLOWER LLC .