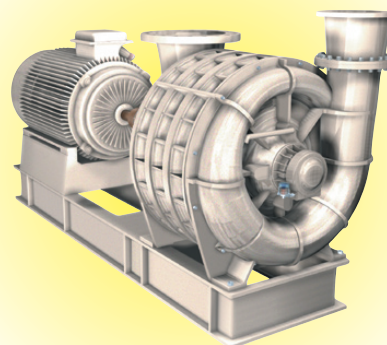


TECHNICAL DATA SHEET

TECHNICAL DATA

Number of stage : 1 thru 8 (cast) - 1 thru 11 (fabricated)
Inlet connection : 8" (202 mm) flange, PN 10 DN 200
Outlet connection : 8" (202 mm) flange, PN 10 DN 200
Operating speed : 3550 rpm in direct drive (60Hz), 4400 with gear box or V-belt
Lubrication : Oil type with constant level
Impeller diameter : 24" (611 mm)
Impeller tip speed : 372 f/s (113 m/s)
First critical speed : 4275 rpm (8-stage) with cast impeller
Drive : Direct drive or gear box or V-belts
Vibration tolerance : 1.25 mils peak-to-peak (4,5 mm /s)
Shaft end : 2" 3/8 (60 mm), inlet end drive standard.

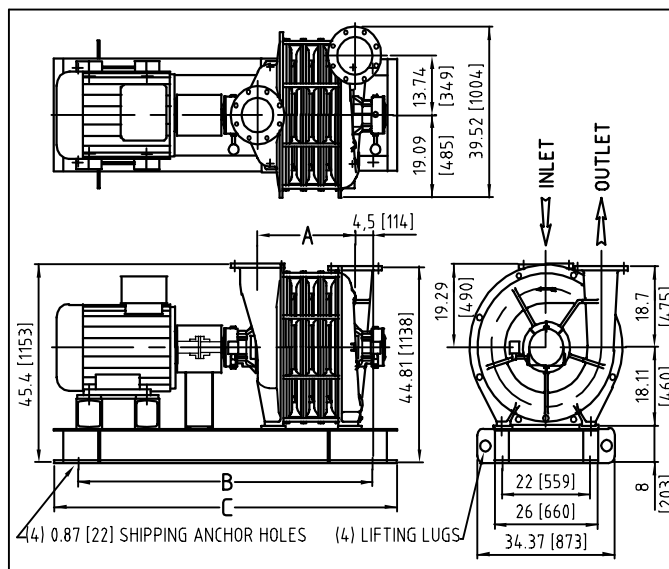
"77" SERIES



AIR & GAS

MATERIALS OF CONSTRUCTION

Head, Sections, Bearing housings : Cast iron FGL 250
Tie rods : 13/16" (20 mm) diameter cold drawn steel A60
Joint sealing compound : RTV IS502 Silicone
Seals (air) : Graphit rings each end
Seals (gas) : Four carbon rings each end with inert gas injection
Bearings : Ball bearings 6313 C3 per AFBMA B10 STANDARD
Shaft : Carbon steel C35 (stainless steel available)
Impellers : Cast aluminium Al Si 10 Mg ; fabricated aluminium 5754/6082T6
Baffle rings : Stainless steel
Motor pedestal : UPN roll carbon steel.
Base frame installation : Antivibrations pads
Noise level : In compliance with OSHA standards when machine is fully, piped (certified tests available).



BLOWER SIZE	"A"	"B"	"C"	WEIGHT		ROTOR WK ² (lb.ft ²)	
				LBS	KGS	CAST	FABRIC
77.01	11.42 (290)	54 (1372)	66 (1676)	1980	900	11.95	3.86
77.02	15.75 (400)	60 (1524)	72 (1829)	2290	1040	23.75	7.66
77.03	20.08 (510)	66 (1676)	78 (1981)	2600	1180	35.55	11.46
77.04	24.41 (620)	74 (1880)	86 (2184)	2930	1330	47.35	15.26
77.05	28.74 (730)	86 (2184)	98 (2489)	3260	1480	59.15	19.06
77.06	33.07 (840)	90 (2286)	102 (2591)	3550	1610	70.95	22.86
77.07	37.40 (950)	90 (2286)	102 (2591)	3810	1730	82.75	26.66
77.08	41.73 (1060)	102 (2591)	114 (2896)	4140	1880	94.55	30.46
77.09	46.06 (1170)	114 (2896)	126 (3200)	4470	2030	106.35	34.26

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

