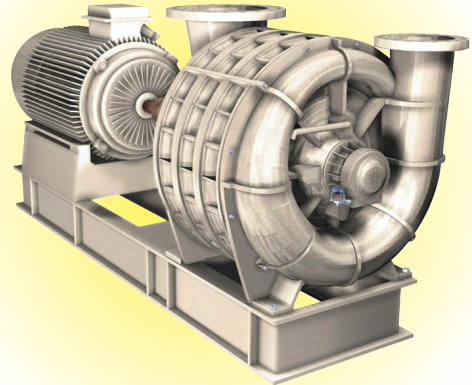


TECHNICAL DATA SHEET

TECHNICAL DATA

Number of stage : 1 thru 10 (cast)
Inlet connection : 6" (152 mm) flange, DN 150 PN 10
Outlet connection : 5" (127 mm) flange, DN 125 PN 10
Operating speed : 3600 rpm in direct drive (60Hz), 6400 with V-belt
Lubrication : Grease lubricated
Impeller diameter : 16" (406,4 mm)
Impeller tip speed : 246 f/s (75 m/s)
First critical speed : 4620 rpm (10-stage)
Drive : Direct drive or V-belts
Vibration tolerance : 1.34 mils peak-to-peak (4,5 mm/s RMS)
Shaft end : 1" 1/2 (38 mm), inlet end drive standard.

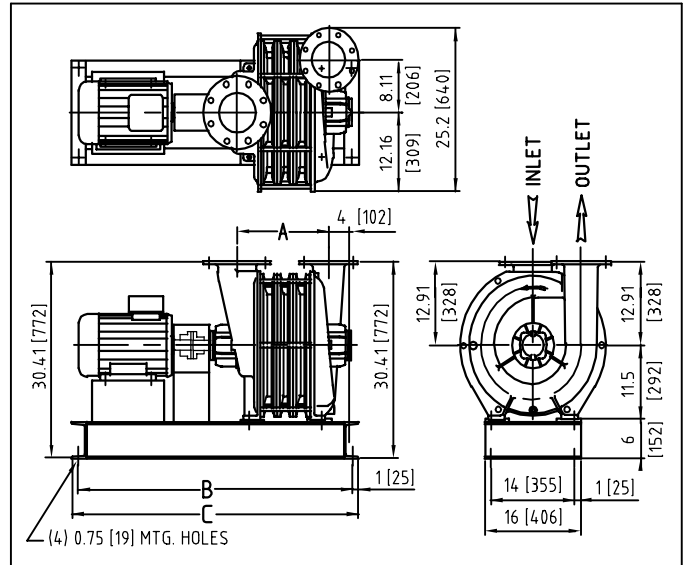
"20" SERIES



AIR & GAS

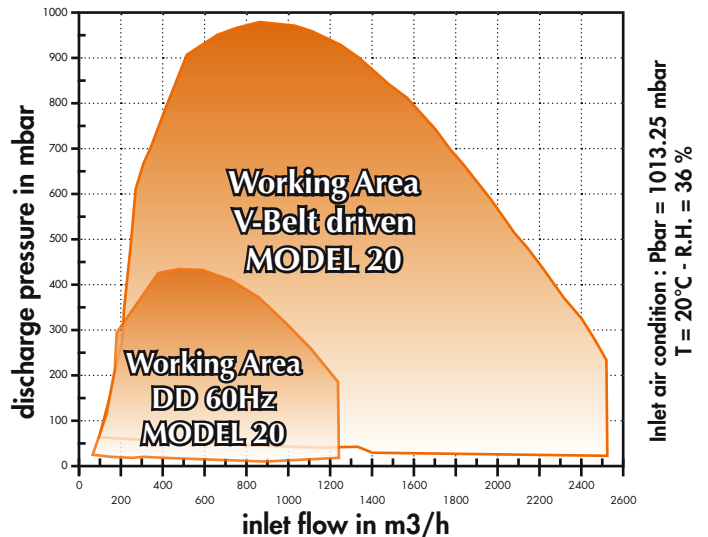
MATERIALS OF CONSTRUCTION

Bearing housings : Cast iron FGL 250
Head, Sections : Cast aluminium Al Si 7 Mg
Tie rods : 1/2" (12,7 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 6308 C3 per AFBMA B10 STANDARD
Shaft : Carbon steel C35 (stainless steel available)
Impellers : Cast aluminium Al Si 10 Mg
Motor pedestal : Structural steel.
Base frame installation : Antivibrations pads



BLOWER SIZE	"A"	"B"	"C"	WEIGHT		Rotor moment of inertia kg.m ²
				LBS	Kg	
20.01	7.04 (179)	34 (863)	36 (914)	352	160	0.08
20.02	9.80 (249)	40 (1016)	42 (1067)	408	185	0.16
20.03	12.56 (319)	46 (1168)	48 (1219)	463	210	0.24
20.04	15.31 (389)	46 (1168)	48 (1219)	507	230	0.32
20.05	18.07 (459)	52 (1321)	54 (1372)	562	255	0.40
20.06	20.83 (529)	58 (1473)	60 (1524)	617	280	0.48
20.07	23.58 (599)	58 (1473)	60 (1524)	661	300	0.56
20.08	26.33 (669)	64 (1625)	66 (1676)	716	325	0.64
20.09	29.9 (739)	64 (1625)	66 (1676)	760	345	0.72
20.10	31.85 (809)	70 (1778)	72 (1829)	815	370	0.80

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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