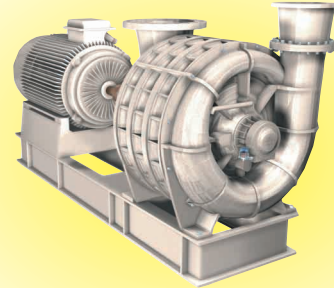


TECHNICAL DATA SHEET

TECHNICAL DATA

Number of stage : 1 thru 9 (cast)
 Inlet connection : 6" (152 mm) flange, matches 125# ANSI
 Outlet connection : 6" (152 mm) flange, matches 125# ANSI
 Operating speed : 3600 rpm in direct drive (60Hz)
 Lubrication : Grease lubricated
 Impeller diameter : 24" (611 mm)
 Impeller tip speed : 437 f/s (133.26 m/s)
 Drive : Direct drive or V-belts
 Vibration tolerance : 1.25 mils peak-to-peak (4.5 mm /s)
 Shaft end : 1" 3/4 (45 mm), inlet end drive standard.

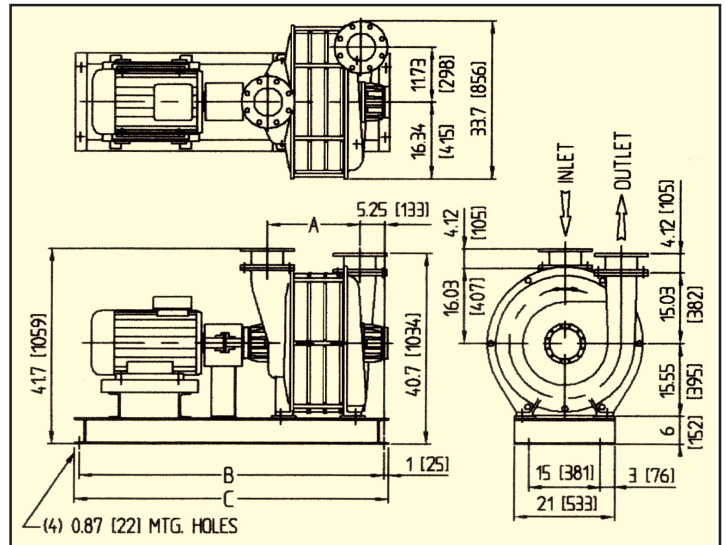
"31" SERIES



AIR & GAS

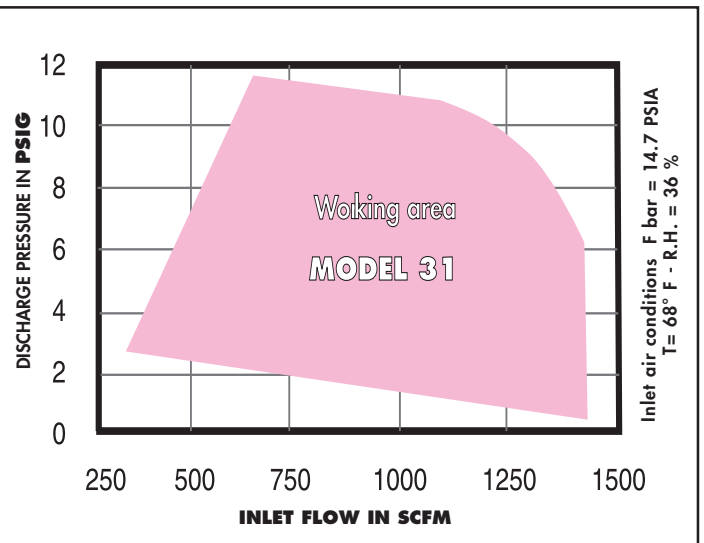
MATERIALS OF CONSTRUCTION

Heads, Bearing housings : Cast iron ASTM A-48 Class 35B or equivalent
 Sections : Cast aluminium ASTM 356 or equivalent (cast iron optional)
 Tie rods : 3/4" (19 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 6410 C3 THT per AFBMA B10 STANDARD
 Shaft : AISI 1038 Carbon Steel or equivalent
 Impellers : Cast aluminium ASTM 360 or equivalent
 Motor pedestal : Structural steel.
 Base pads : Korfund Elasto-rib or equivalent
 Noise level : In compliance with OSHA standards when machine is fully piped (certified tests available).



BLOWER SIZE	"A"	"B"	"C"	WEIGHT LBS KG	
3101	9.21 (234)	52.0 (1321)	54.0 (1372)	915	415
3102	12.64 (321)	52.0 (1321)	54.0 (1372)	1003	455
3103	16.06 (408)	64.0 (1625)	66.0 (1676)	1124	510
3104	19.49 (495)	64.0 (1625)	66.0 (1676)	1212	550
3105	22.91 (582)	70.0 (1778)	72.0 (1829)	1312	595
3106	26.34 (669)	70.0 (1778)	72.0 (1829)	1400	635
3107	29.76 (756)	82.0 (2083)	84.0 (2134)	1520	690
3108	33.19 (843)	82.0 (2083)	84.0 (2134)	1609	730
3109	36.61 (930)	94.0 (2388)	96.0 (2438)	1730	785

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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