

TECHNICAL DATA

Number of stages: 1 thru 9
Outlet connection: 8" (203mm) flange, ASA 125# drilling
Inlet connection: 8" (203mm) flange, ASA 125# drilling
Operating speed: 3550 RPM
Seals (air): Two carbon rings each end.
Seals (gas): Two carbon rings each end with inert gas injection taps.
Bearings: Ball, 10 year minimum life per AFBMA B-10 standard.
Lubrication: grease standard (oil system available)
Impeller diameter: 24" (610mm)
Impeller tip speed: 372 FPS (113 m/sec)
First critical speed: 4359 RPM (9 stage)
Direct drive: yes, also available for gear drive
Vibration tolerance: 1.25 mils peak to peak
Shaft end: 1 7/8" (48mm) diameter, outlet end drive standard

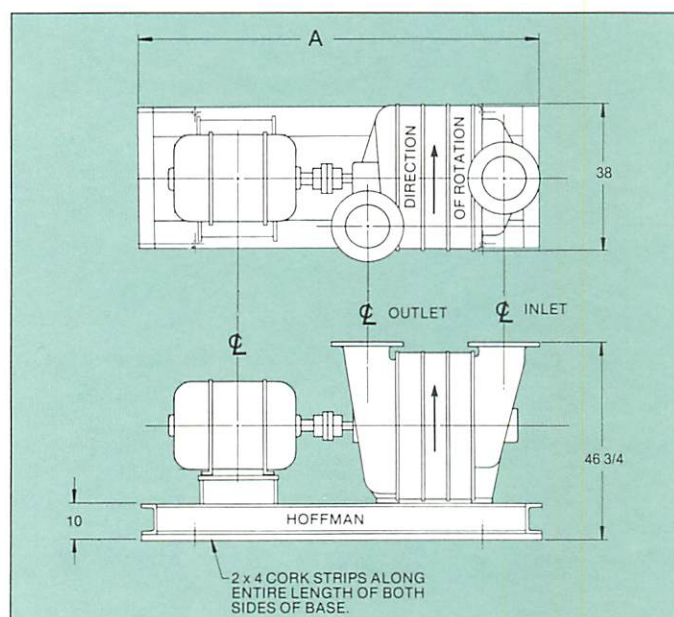
MATERIALS OF CONSTRUCTION

Heads, sections, bearing housings: Cast iron A-48 Class 30
Tie rods: 3/4" (19mm) diameter cold drawn steel
Joint sealing compound: RTV IS802 Silicone
Shaft: Carbon steel, AISI 1045 (stainless steel available)
Impellers: cast aluminum 443 or composite aluminum alloy *
Base: structural steel or cast iron
Motor pedestal: welded steel plate
Finish: Blue enamel over zinc oxide primer
Base pads: Cork strips
Noise level: In compliance with OSHA standards when machine is fully piped up (certified tests available)

DIMENSIONS

MODEL	A	F	WEIGHT		ROTOR WK ² (lb.ft. ²)
			LBS	KG	
38401	60" (1524mm)	11 3/4" (298mm)	1600	726	12
38402	60" (1524mm)	16 1/16" (408mm)	1900	862	24
38403	72" (1828mm)	20 3/8" (517mm)	2200	998	36
38404	84" (2134mm)	24 1 1/16" (627mm)	2600	1180	47
38405	84" (2134mm)	29" (737mm)	2980	1352	59
38406	96" (2439mm)	33 5/16" (847mm)	3400	1542	71
38407	96" (2439mm)	37 3/8" (956mm)	3710	1683	83
38408	96" (2439mm)	41 1 5/16" (1065mm)	3950	1792	38
38409	108" (2743mm)	46 1/4" (1175mm)	4400	1996	43

Values, dimensions, and references in this brochure are approximate and intended as a guide only.



* For 8 & 9 stages only

APPROXIMATE PERFORMANCE RANGE

(Inlet Conditions: 14.7 PSIA (1.03 Kg/Cm²), 68°F (20°C, & 36% RH) Speed: 3550 RPM

