

TECHNICAL DATA

Number of stages: 1 thru 6
Outlet connection: 12" (305mm) flange, ASA 125# drilling
Inlet connection: 12" (305mm) 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.
Bearings: Ball, 10 year minimum life per AFBMA B-10 standards.
Lubrication: grease standard
Impeller diameter: 26" (660mm)
Impeller tip speed:
First critical speed:
Direct drive: yes, also available for gear drive
Vibration tolerance: 1.25 mils peak to peak
Shaft end: 2 1/4" (57mm) diameter, outlet end drive standard

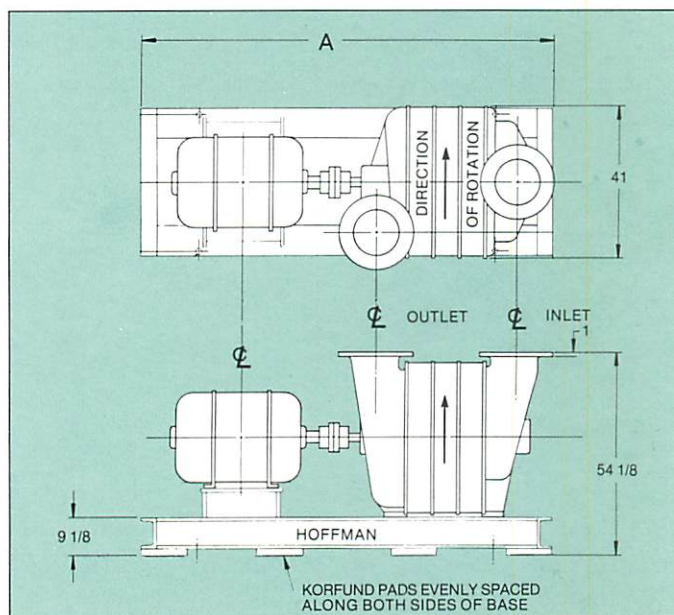
MATERIALS OF CONSTRUCTION

Heads, sections, bearing housings: Cast iron ASTM 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 alloy
Base: structural steel
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	
38501	72" (1828mm)	18 1/4" (464mm)	2100	953	20
38502	72" (1828mm)	24 1/4" (616mm)	2600	1180	40
38503	84" (2134mm)	30 1/4" (768mm)	3200	1452	60
38504	96" (2439mm)	36 1/4" (921mm)	3700	1678	80
38505	108" (2743mm)	42 1/4" (1073mm)	4300	1950	99
38506	120" (3048mm)	48 1/4" (1226mm)	4800	2177	119

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



APPROXIMATE PERFORMANCE RANGE

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

