

TECHNICAL DATA

Number of stages: 1 thru 8
Inlet connection: 12" (305mm) flange, ASA 125# drilling
Outlet connection: 10" (254mm) flange, ASA 125# drilling
Operating speed: 3550 RPM
Seals (air): Two carbon rings each end
Seals (gas): Four 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)
First critical speed: 4300 RPM (8-stage)
Direct drive: Yes, also available for gear drive
Vibration tolerance: 1.50 mils peak-to-peak
Noise level: In compliance with OSHA standards when machine is fully piped (certified tests available)
Balance piston: Supplied on all stages
Shaft end: 2 1/4" (57mm), inlet end drive standard

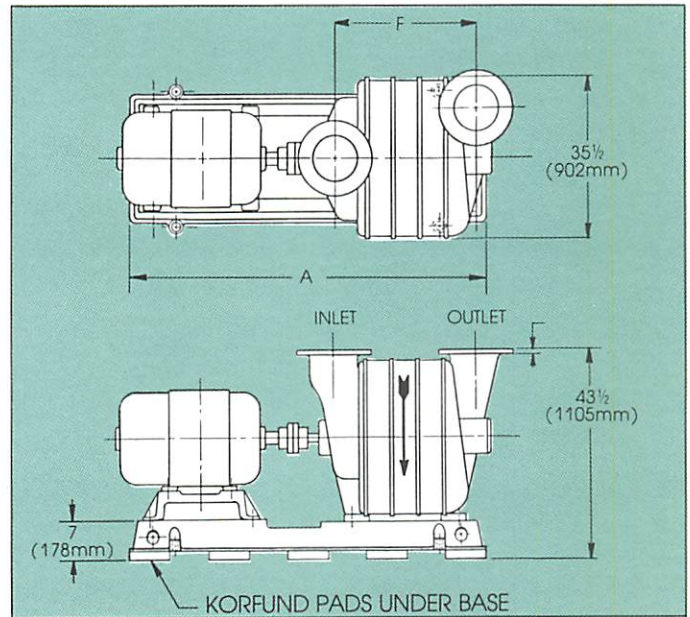
MATERIALS OF CONSTRUCTION

Heads, Sections, Bearing Housings: Cast iron ASTM A-48-76 Class 30
Tie Rods: Cold drawn steel
Joint sealing compound: RTV IS802 Silicone
Shaft: Carbon steel, AISI 1045 (stainless steel available)
Impellers: Cast aluminum 319
Base: Cast iron/structural steel
Motor pedestal: Cast iron/steel plate
Finish: Blue enamel over zinc oxide primer
Base pads: Korfund Elasto-rib

DIMENSIONS

MODEL	A	F	WEIGHT		ROTOR WK ² (lb.ft.2)
			LBS	KG	
65101	60"(1524mm)	18 1/2"(470mm)	1600	727	16
65102	72"(1829mm)	24 1/2"(629mm)	2060	936	32
65103	72"(1829mm)	31"(787mm)	2590	1177	47
65104	84"(2134mm)	37 1/2"(946mm)	2970	1350	62
65105	96"(2438mm)	43 1/2"(1105mm)	3440	1564	78
65106	96"(2438mm)	49 1/2"(1264mm)	3770	1714	93
65107	108"(2743mm)	56"(1422mm)	4220	1918	109
65108	120"(3048mm)	62 1/2"(1581mm)	4610	2095	124

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]

