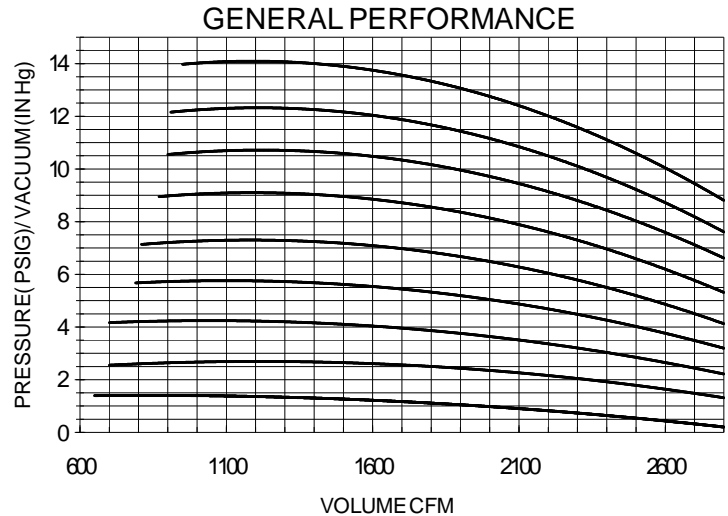
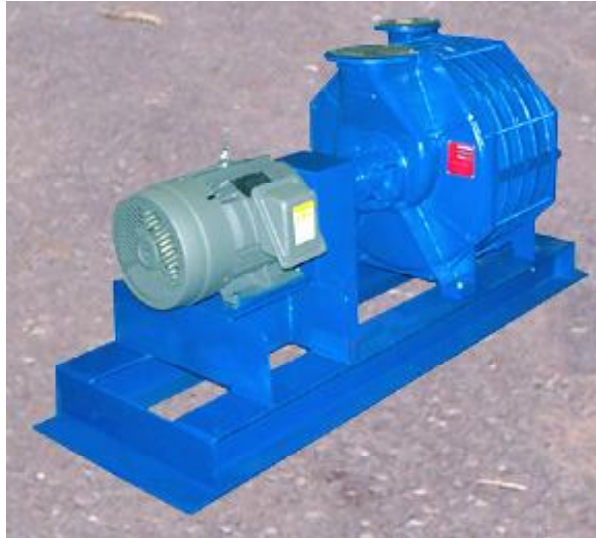




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CENTURION SERIES TECHNICAL DATA AND DIMENSIONS

NT881 MULTI STAGE CENTRIFUGAL BLOWER

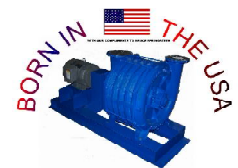


Technical Specifications

Number of Stages	1 through 9
Inlet Connection	8" (203.2 mm) flange, ASA 125# drilling
Outlet Connection	8" (203.2 mm) flange, ASA 125# drilling
Operating Speed	3550 RPM
Maximum Casting Pressure	25 PSIG (1.76 kg/cm ²)
Seals (air)	Labyrinth
Seals (gas)	Packing Gland (special seals available)
Bearings	Ball, 10-year minimum life per AFBMA B-10 standard
Lubrication	Grease (standard) or Oil (optional)
Impeller Diameter	24" (609.6 mm)
Impeller Tip Speed	22,305 FPM (6,799 m/min)
Drive Type	Direct coupled
Max. Vibration Spec.	0.25 in/sec (ISO overall spec.), 1.25 mils peak to peak
Shaft End	1.875" (47.63 mm) diameter, inlet drive standard
Noise Level	Compliant with OSHA standards (certified test available)

Materials of Construction

Casing	Cast Iron ASTM A48 grade 25/30
Bearing Housings	Cast Iron ASTM A48 grade 25/30
Bearing Caps	Cast Aluminum Alloy
Oil Reservoir (with optional Oil Lubrication)	Cast Aluminum Alloy
Shaft	Carbon steel AISI 4140 (stainless steel available)
Impellers	Cast aluminum alloy
Labyrinth Seal	ZA-12 Zinc Alloy
Tie Rods	Galvanized Steel
Gas Seals	Cast aluminum packing gland with braided packing
Base and Pedestal	Structural Steel
Joint Sealing Compound	RTV silicone
Base Pads	Neoprene rubber
Finish	Industrial Enamel



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 U.S.A.**



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CENTURION SERIES TECHNICAL DATA AND DIMENSIONS

Series NT881 Multistage Centrifugal Blower General Dimensions (all dimensions in inches)

MODEL	A	B	D	F	L	K
NT88101	7.13	11.56	10.50	52	62	4.56
NT88102	11.25	15.69	10.50	58	68	4.56
NT88103	15.38	19.81	10.50	65	75	4.56
NT88104	19.50	23.94	14.63	78	88	8.69
NT88105	23.63	28.06	10.50	78	88	4.56
NT88106	27.75	32.19	14.63	92	102	8.69
NT88107	31.88	36.31	10.50	92	102	4.56
NT88108	36.00	40.44	14.63	107	117	8.69
NT88109	40.13	44.56	10.50	107	117	4.56

