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DR 979 & CP 979 Regenerative Blower

NEW COMPACT DESIGN

FEATURES

- Manufactured in the USA – ISO 9001 compliant
- CE compliant – Declaration of Conformity on file
- Maximum flow: 1000 SCFM
- Maximum pressure: 100 IWG
- Maximum vacuum: 5.0" Hg (70 IWG)
- Standard motor: 15 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet & outlet internal muffling
- Quiet operation within OSHA standards



MOTOR OPTIONS

- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

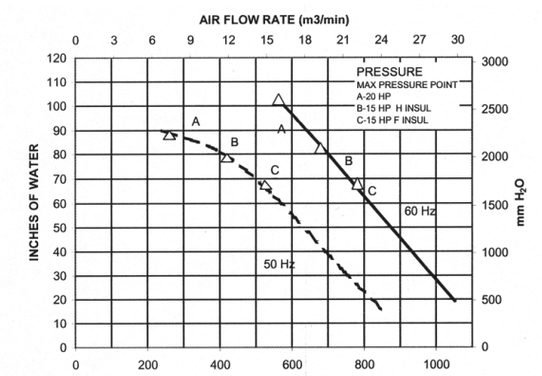
BLOWER OPTIONS

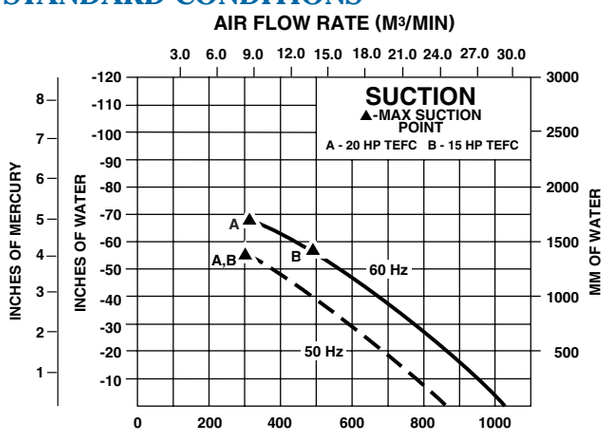
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

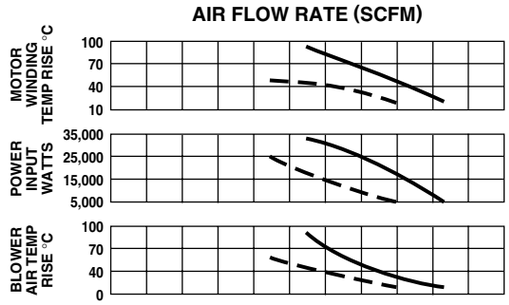
ACCESSORIES (See Catalog Accessory Section)

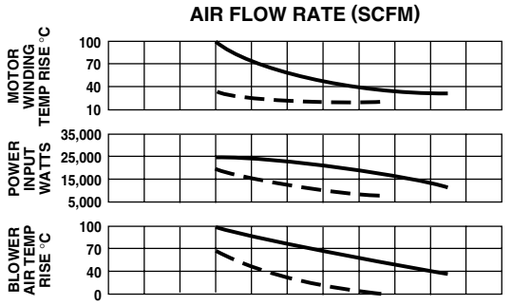
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

BLOWER PERFORMANCE AT STANDARD CONDITIONS









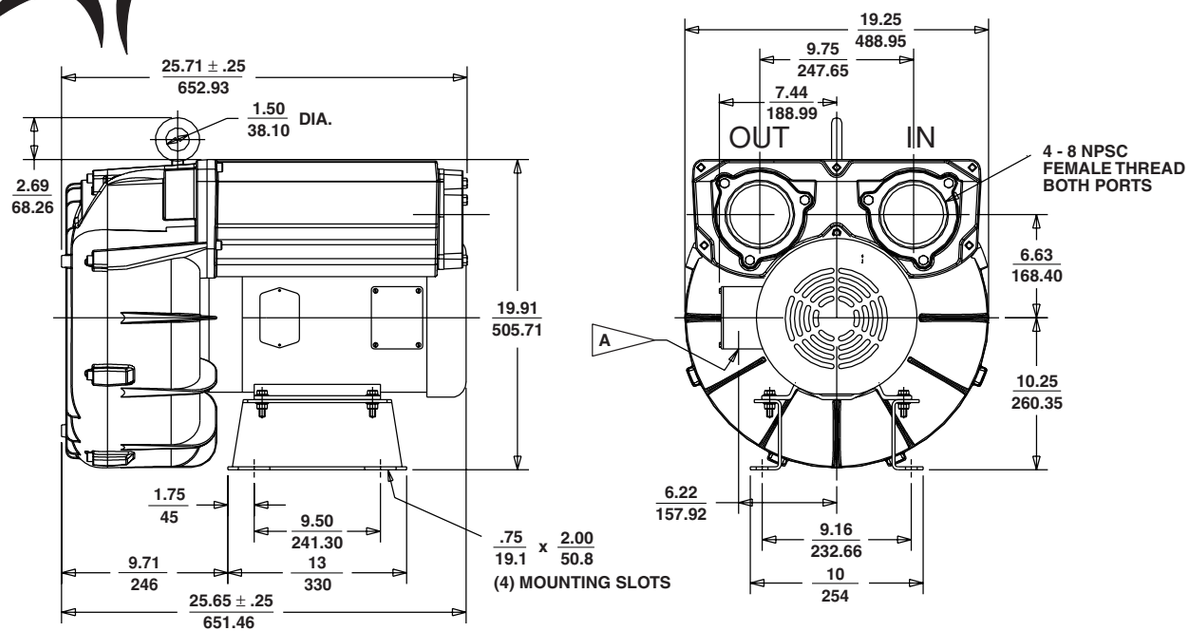
Rev. 2/04

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NEW COMPACT DESIGN

DR 979 & CP 979 Regenerative Blower

Scale CAD drawing available upon request.



DIMENSIONS: IN / MM
TOLERANCES: .XX ± .1 / 2.5
(UNLESS OTHERWISE NOTED)

A TERMINAL BOX CONNECTOR HOLE 1.09 / 27.7 DIA.

NOTE: USE DRAWING FOR 15 HP ONLY. USE EN979 DRAWING FOR 20 HP.

SPECIFICATIONS

MODEL (RAIL MOUNT)	DR979BH72W	DR979BE72W	DR979BE86W	DR979BE72W	CP979FJ72WLR	HiE979BE72W
Part No. (Rail Mount)	080718	080704	080702	080632	—	—
Motor Enclosure – Shaft Material	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	Chem TEFC – **SS**	TEFC – **CS**
Horsepower	20	15	15	15	Same as DR979BE72W – 080704 except add Chemical Processing (CP) features from catalog inside front cover	Same as DR979BE72W – 080704 except add High Efficiency motor
Voltage [1]	230/460	230/460	575	230/460		
Phase – Frequency [1]	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz		
Insulation Class [2]	H	H	H	F		
NEMA Rated Motor Amps	46/23	44/22	14.6	37.6/18.8		
Service Factor	1.15	1.25	1.15	1.15		
Locked Rotor Amps	294/147	290/145	93	290/145		
Max. Blower Amps [3]	66/33	49/24.5	21	44/22		
Recommended NEMA Starter Size	3/2	2/2	2	2/2		
Shipping Weight	350 lb (159 kg)	300 lb (136 kg)	300 lb (136 kg)	300 lb (136 kg)		

[1] Rotron motors are designed to handle a broad range of world voltages and power supply variations. Our dual voltage 3 phase motors are factory tested and certified to operate on both: **208-230/415-460 VAC-3 ph-60 Hz** and **190-208/380-415 VAC-3 ph-50 Hz**. Our dual voltage 1 phase motors are factory tested and certified to operate on both: **104-115/208-230 VAC-1 ph-60 Hz** and **100-110/200-220 VAC-1 ph-50 Hz**. All voltages above can handle a ±10% voltage fluctuation. Special wound motors can be ordered for voltages outside our certified range.

[2] Maximum operating temperature: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F rated motors or 120°C for Class B rated motors. Blower outlet air temperature should not exceed 140°C (air temperature rise plus inlet temperature). Performance curve maximum pressure and suction points are based on a 40°C inlet and ambient temperature. Consult factory for inlet or ambient temperatures above 40°C.

[3] Maximum blower amps corresponds to the performance point at which the motor or blower temperature rise with a 40°C inlet and/or ambient temperature reaches the maximum operating temperature.

Specifications subject to change without notice. Please consult your Local Field Sales Engineer for specification updates.

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