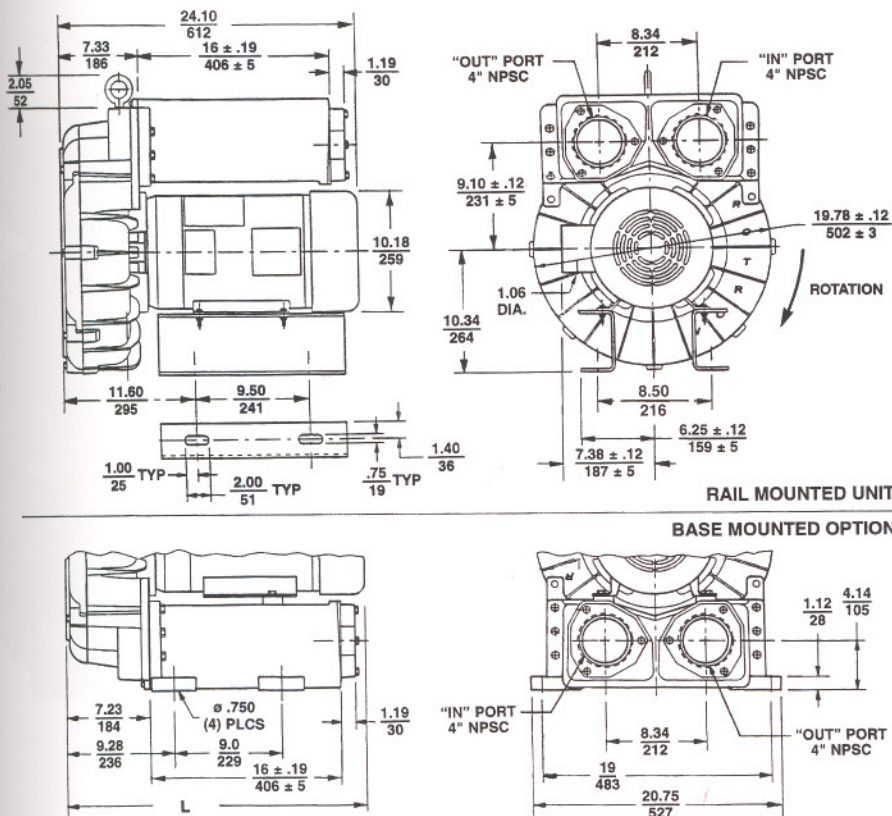


DR 909 & CP 909 Regenerative Blower



Scale CAD drawing available upon request.

MODEL	L (IN/MM)
DR909BE72W	23.69 / 602
DR909BE86W	23.15 / 588
DR909BB72W	23.2 / 589
DR909BB86X	23.2 / 589
DR909BE72X	23.69 / 602
DR909BE86X	23.2 / 589
DR909BB72X	23.2 / 589
HIE909BE72W	27.44 / 697

DIMENSIONS: $\frac{\text{IN}}{\text{MM}}$
TOLERANCES: .XX $\pm$ $\frac{.1}{2.5}$
(UNLESS OTHERWISE NOTED)

SPECIFICATIONS

MODEL (RAIL MOUNT)	DR909BE72W	DR909BE86W	DR909BB72W	DR909BB86W	CP909FJ72WLR	HiE909BE72W
Part No. (Rail Mount)	038620	038625	038621	080300	038632	038633
Motor Enclosure – Shaft Material	TEFC – CS	TEFC – CS	TEFC – CS	TEFC – CS	ChemTEFC – SS	TEFC – CS
Horsepower	15	15	10	10	Same as DR909BE72W – 038620 except add Chemical Processing (CP) features from catalog inside front cover	Same as DR909BE72W – 038620 except add High Efficiency motor
Voltage ¹	208-230/460	575	230/460	575		
Phase – Frequency ¹	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz		
Insulation Class ²	F	F	F	F		
NEMA Rated Motor Amps	41.5-37.6/18.8	14.6	26/13	10.5		
Service Factor	1.15	1.15	1.15	1.15		
Locked Rotor Amps	318/159	164	162/81	65		
Max. Blower Amps ³	48.6-44/22	17	34/17	13.0		
Recommended NEMA Starter Size	2/2	2	2/1	1		
Shipping Weight	400 lb (182 kg)	400 lb (182 kg)	400 lb (182 kg)	400 lb (182 kg)		
Model (Base Mount)	DR909BE72X	DR909BE86X	DR909BB72X	DR909BB86X		
Part No. (Base Mount)	038622	038626	038623	080183		

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 $\pm 10\%$ 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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DR 909 & CP 909 Regenerative Blower

FEATURES

- Manufactured in the USA – ISO 9001 compliant
- CE compliant – Declaration of Conformity on file
- Maximum flow: 650 SCFM
- Maximum pressure: 125 IWG
- Maximum vacuum: 7.5" Hg (102 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 when properly piped or muffled

MOTOR OPTIONS

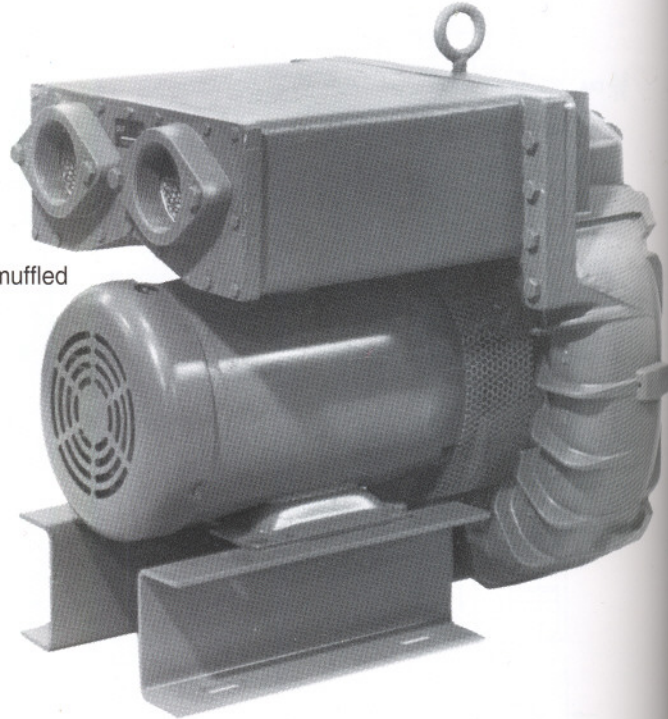
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

BLOWER OPTIONS

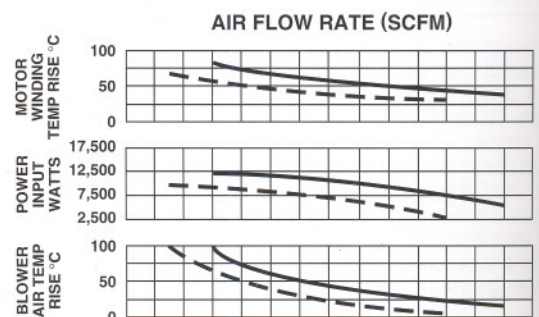
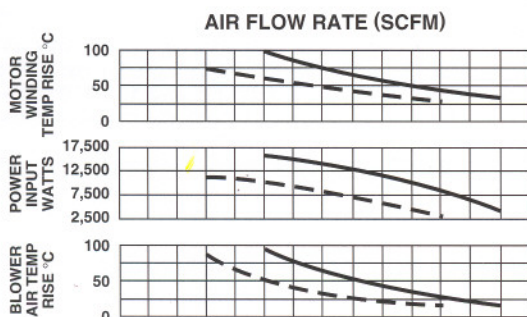
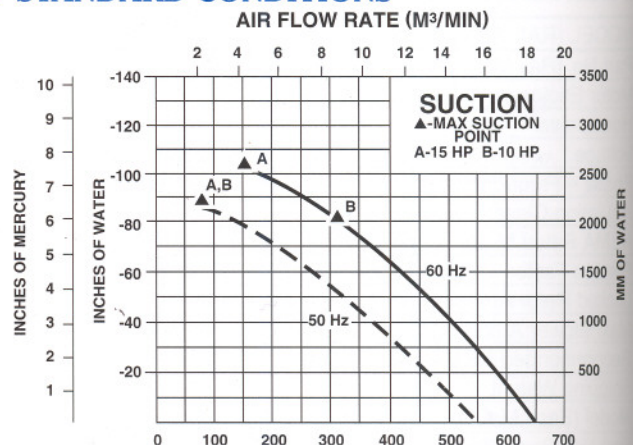
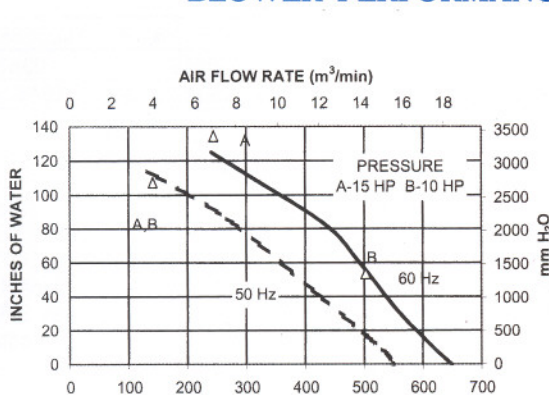
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

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



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