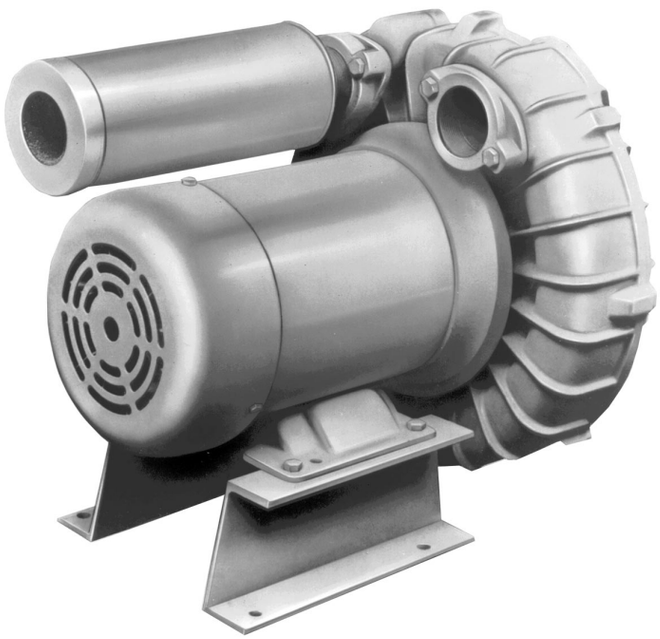
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DR 6 & CP 6 Regenerative Blower

FEATURES

- Manufactured in the USA – ISO 9001 compliant
- CE compliant – Declaration of Conformity on file
- Maximum flow: 225 SCFM
- Maximum pressure: 110 IWG
- Maximum vacuum: 6.7" Hg (91.2 IWG)
- Standard motor: 5.0 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron flanges (threaded)
- UL & CSA approved motor with permanently sealed ball bearings
- Inlet muffler
- Quiet operation within OSHA standards – 1 muffler included



MOTOR OPTIONS

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

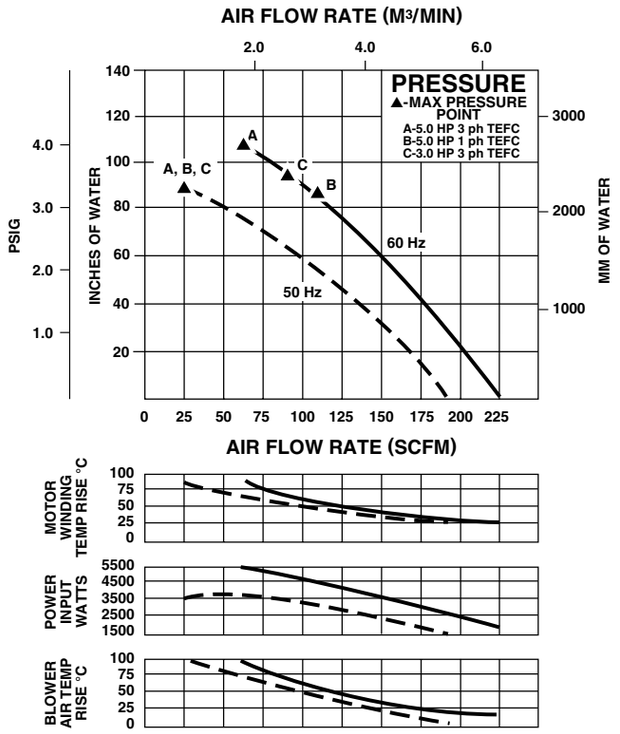
BLOWER OPTIONS

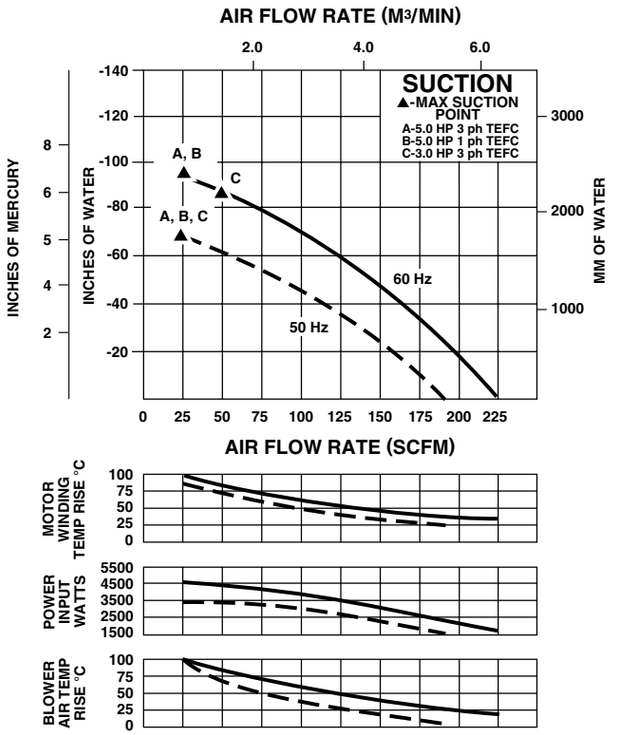
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

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





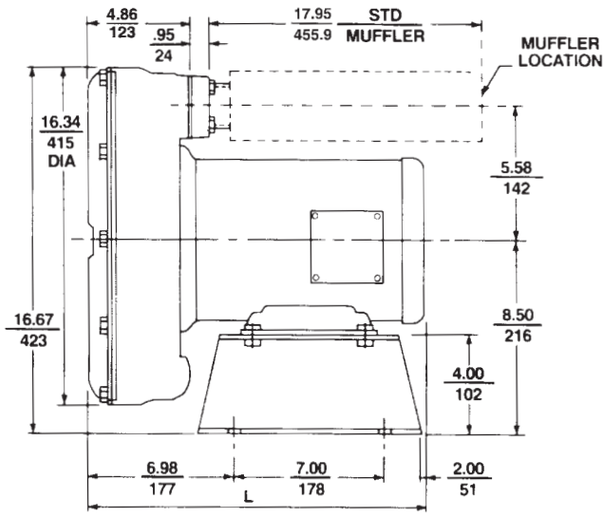
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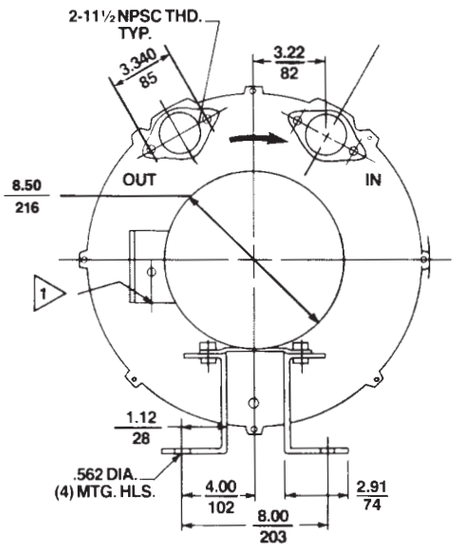
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DR 6 & CP 6 Regenerative Blower

Scale CAD drawing available upon request.





MODEL	L (IN) ± .12	L (MM) ± 3
DR6D89	18.28	464
DR6D86	18.28	464
DR6K72	18.28	464
DR6D5	22.42	569.5
CP6FF72LR	18.28	464

DIMENSIONS: IN / MM
TOLERANCES: .XX ± .08/2
(UNLESS OTHERWISE NOTED)

1 1.06 INCH CONNECTOR HOLE ON TEFC MOTOR
.75 INCH PIPE TAP HOLE ON XP MOTOR

SPECIFICATIONS

ALL PRODUCTS LISTED INCLUDE MUFFLER PN 522948

MODEL	DR6D89	DR6D5	DR6D86	DR6K72	CP6FF72LR	HiE6D89
Part No.	027578	036212	027579	027600	038253	038071
Motor Enclosure – Shaft Material	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	Chem TEFC – **SS**	TEFC – **CS**
Horsepower	5.0	5.0	5.0	3.0	Same as DR6D89 – 027578 except add Chemical Processing (CP) features from catalog inside front cover	Same as DR6D89 – 027578 except add High Efficiency motor
Voltage [1]	208-230/460	230	575	230/460		
Phase – Frequency [1]	Three - 60 Hz	Single - 60 Hz	Three - 60 Hz	Three - 60 Hz		
Insulation Class [2]	F	F	F	F		
NEMA Rated Motor Amps	17.3-15.6/7.8	21	4.8	13.3-12/6		
Service Factor	1.15	1.0	1.15	1.15		
Locked Rotor Amps	165-155/76	124	60	106/53		
Max. Blower Amps [3]	15-14.8/7.4	25	6.9	13.6/7.3		
Recommended NEMA Starter Size	1/1	1.5	1	1/0		
Shipping Weight	148 lb (67 kg)	156 lb (71 kg)	148 lb (67 kg)	132 lb (60 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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