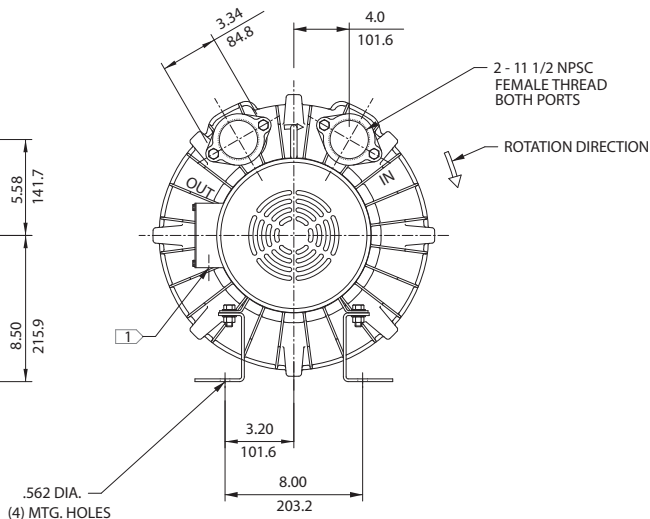
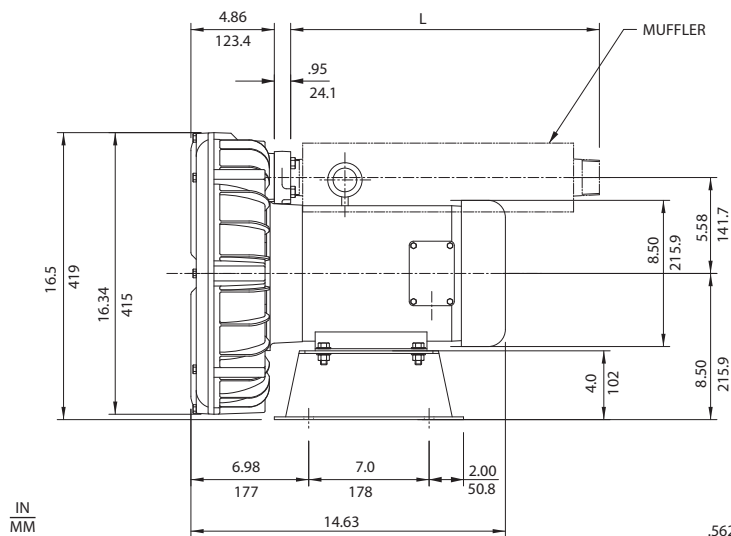


DR 6 & CP 6

3.0 / 5.0 HP Regenerative Blower



NOTES

- 1 TERMINAL BOX CONNECTOR HOLE 1.06 (26.9) DIA.
- 2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
- 3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	L (IN/MM)
DR6D89	18.00/457.2
DR6K72	18.00/457.2

Specification	Units	Part/ Model Number					
		DR6D89 027578	DR6D5 036212	DR6D86 027579	DR6K72 027600	CP6FF72LR 038253	HI6D89 038071
Motor Enclosure - Shaft Mtl.	-	TEFC-CS	TEFC-CS	TEFC-CS	TEFC-CS	Chem TEFC-SS	TEFC-CS
Horsepower	-	5.0	5.0	5.0	3.0	5.0	5.0
Voltage	AC	230/460	230	575	230/460	230/460	230/460
Phase - Frequency	-	Three - 60 Hz	Single - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz	Three - 60 Hz
Insulation Class	-	F	F	F	F	F	F
NEMA Rated Motor Amps	Amps (A)	17.3-15.6/7.8	21	4.8	13.3-12/6	17.3-15.6/7.8	17.3-15.6/7.8
Service Factor	-	1.15	1.0	1.15	1.15	1.15	1.15
Max. Blower Amps	Amps (A)	15-14.8/7.4	25	5.4	12/6	15-14.8/7.4	15-14.8/7.4
Locked Rotor Amps	Amps (A)	165-155/76	124	60	106/53	165-155/76	165-155/76
NEMA Starter Size	-	1/1	1.5	1	1/0	1/1	1/1
Shipping Weight	Lbs	148	156	148	132	148	148
	Kg	67.1	70.8	67.1	59.9	67.1	67.1

Voltage - 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.

Operating Temperatures - 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.

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.

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FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- CE compliant - Declaration of Conformity on file
- Maximum flow: 210 SCFM
- Maximum pressure: 110 IWG
- Maximum vacuum: 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 horsepower for application-specific needs

BLOWER OPTIONS

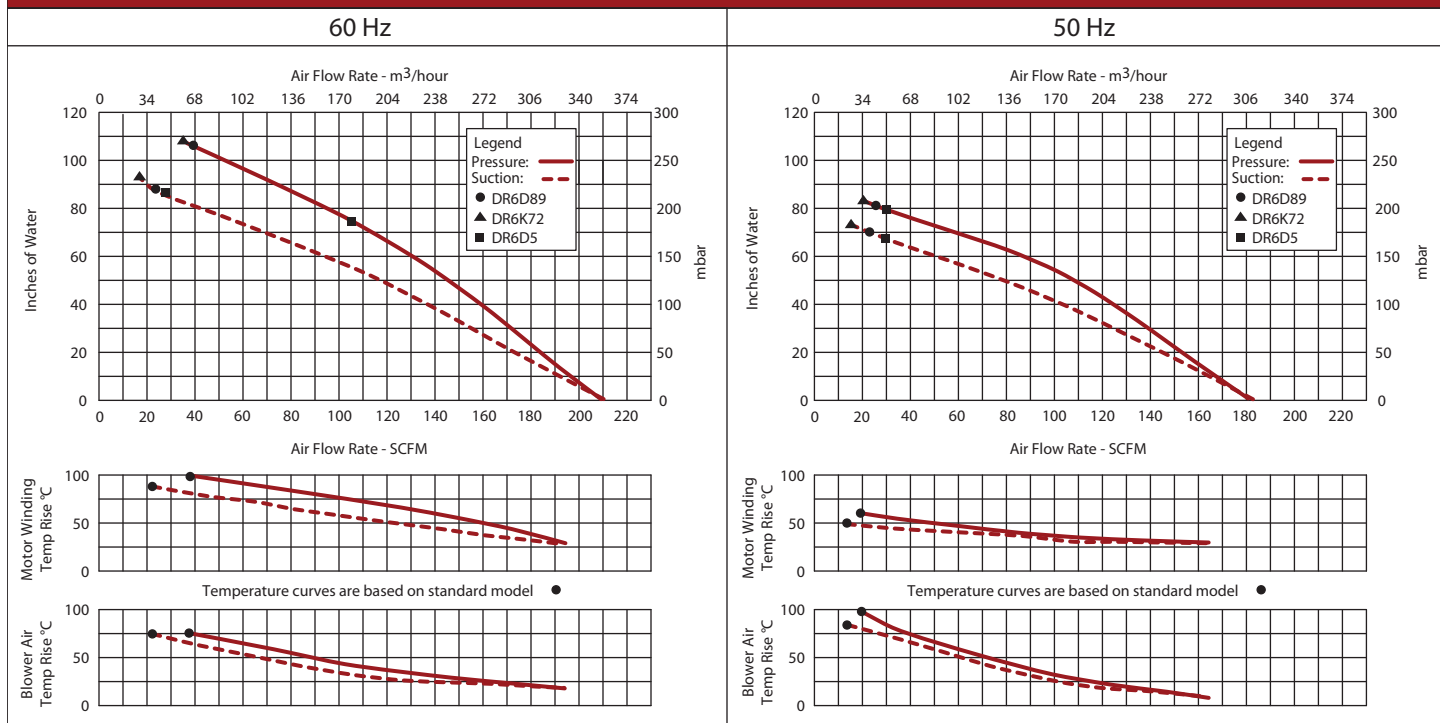
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

- 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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