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DR 656 & CP 656 Regenerative Blower

FEATURES

- Manufactured in the USA
- CE compliant – Declaration of Conformity on file
- Maximum flow: 210 SCFM
- Maximum pressure: 106 IWG
- Maximum vacuum: 6.39" Hg (87 IWG)
- Standard motor: 4.0 HP, TEFC
- Cast aluminum blower housing, impeller & cover; cast iron muffler extension & 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

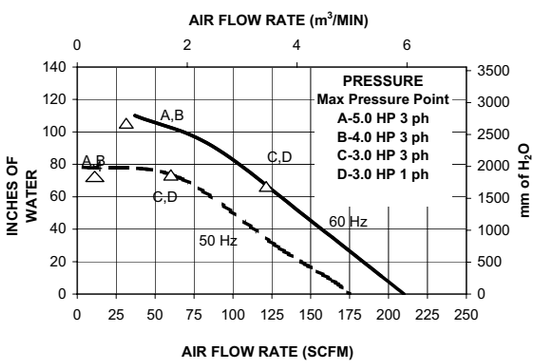
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs
- Cast iron cover for additional noise resonance

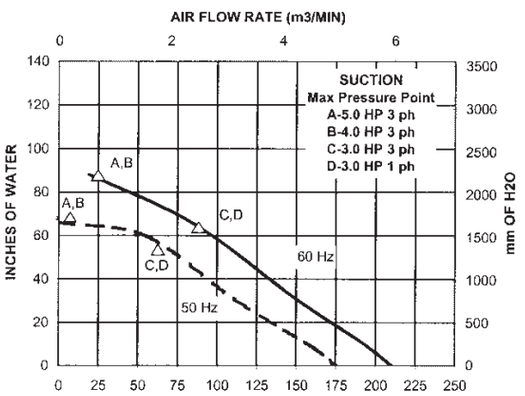
ACCESSORIES (See Catalog Accessory Section)

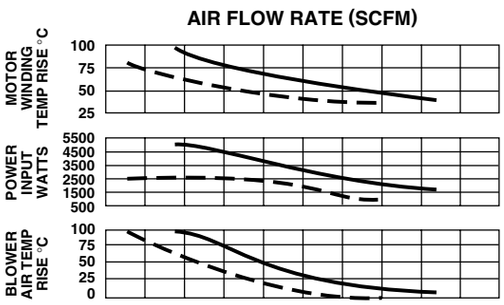
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)

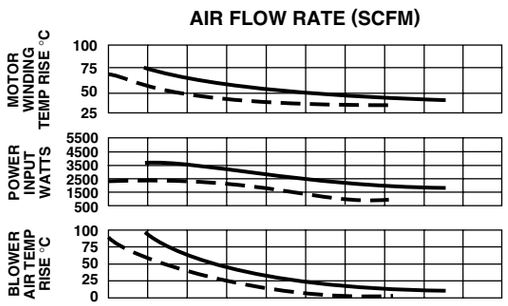


BLOWER PERFORMANCE AT STANDARD CONDITIONS







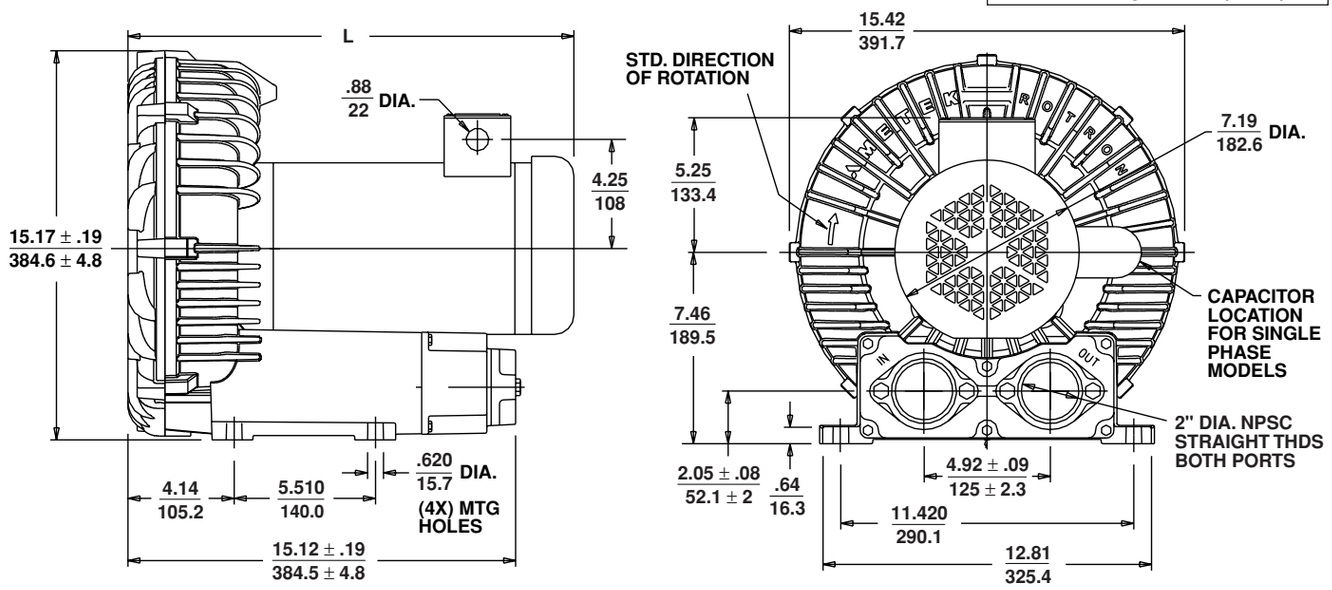


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DR 656 & CP 656 Regenerative Blower

Scale CAD drawing available upon request.



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

MODEL	L (IN)	L (MM)
DR656D72/86X	17.77	451.3
DR656CK72/86X	17.39	441.7
DR656K58X	17.39	441.7

SPECIFICATIONS

MODEL	DR656CK72X	DR656CK86X	DR656K72X	DR656K58X	DR656D72X	DR656D86X	CP656CR72XLR
Part No.	080582	080583	080602	080603	080585	080604	080065
Motor Enclosure – Shaft Material	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	TEFC – **CS**	Chem TEFC – **SS**
Horsepower	4	4	3	3	5	5	4
Voltage [1]	230/460	575	230/460	115/230	230/460	575	Same as DR656CK72X 080582 except add Chemical Processing (CP) features from catalog inside front cover
Phase – Frequency [1]	Three-60 Hz	Three-50/60 Hz	Three-60 Hz	Single-60 Hz	Three-60 Hz	Three-60 Hz	
Insulation Class [2]	F	F	F	F	F	F	
NEMA Rated Motor Amps	10/5	4	7.4/3.7	31/15.5	12.8/6.4	4.8	
Service Factor	1.15	1.0	1.15	1.0	1.0	1.15	
Locked Rotor Amps	94/47	80	54/27	200/100	160/80	60	
Max. Blower Amps [3]	11.4/5.7	4.56	8.8/4.4	27.8/13.9	13/6.5	5.2	
Recommended NEMA Starter Size	1/0	0	0/0	1.5/1	1/1	1	
Shipping Weight lb / kg	110 lb (49.9 kg)	110 lb (49.9 kg)	114 lb (51.8 kg)	112 lb (50.8 kg)	112 lb (50.8 kg)	114 lb (51.8 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 **200-220/380-415 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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