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# DR 202M & CP 202M Regenerative Blower

## FEATURES

- Manufactured in the USA – ISO 9001 compliant
- CE compliant – Declaration of Conformity on file
- Maximum flow: 52 SCFM
- Maximum pressure: 35 IWG
- Maximum vacuum: 2.5" Hg (35 IWG)
- Standard motor: .33 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

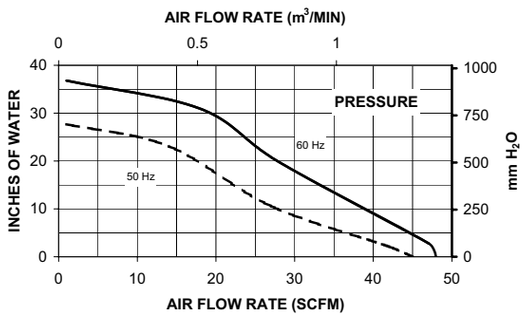
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

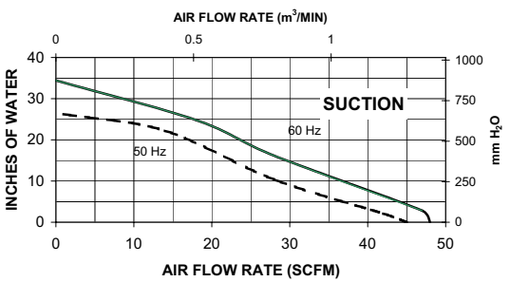
## ACCESSORIES (See Catalog Accessory Section)

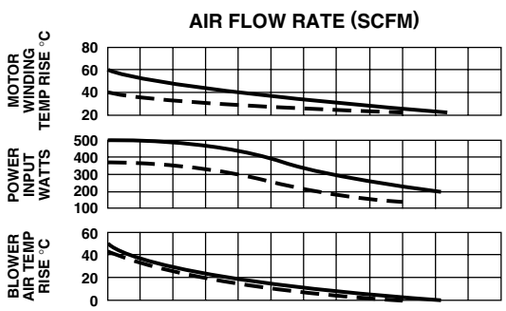
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

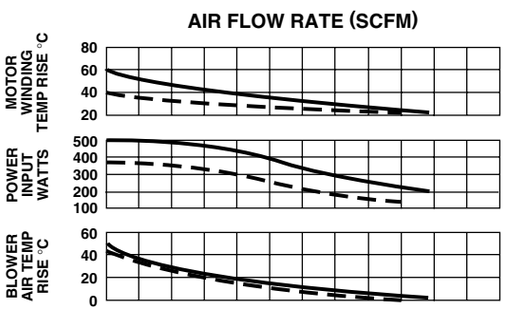



## BLOWER PERFORMANCE AT STANDARD CONDITIONS




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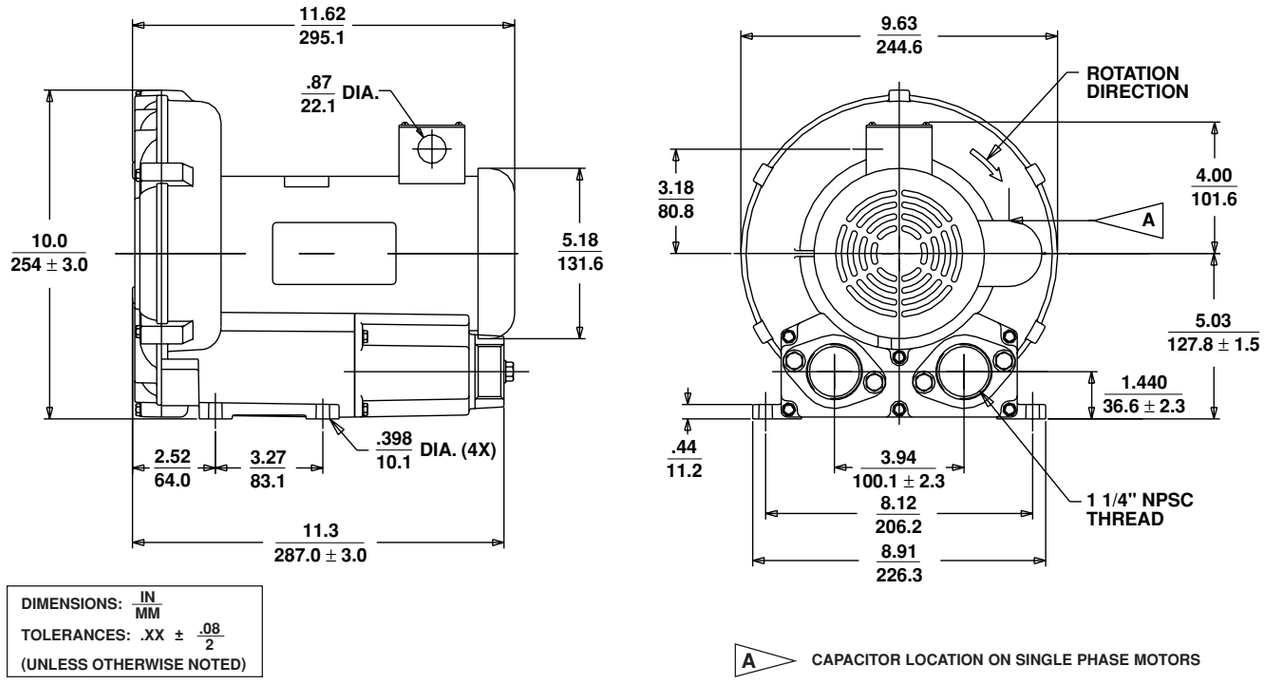
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# DR 202M & CP 202M Regenerative Blower

Scale CAD drawing available upon request.




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

A CAPACITOR LOCATION ON SINGLE PHASE MOTORS

## SPECIFICATIONS

| MODEL | DR202Y9M | DR202Y72M | DR202Y86M | CP202AE72MLR | CP202FA91MLR |
|---|---|---|---|---|---|
| Part No. | 080564 | 080565 | 080566 | — | — |
| Motor Enclosure – Shaft Material | TEFC – **CS** | TEFC – **CS** | TEFC – **CS** | Chem TEFC – **CS** | Chem TEFC – **SS** |
| Horsepower | .33 | .33 | .33 | Same as DR202Y72M 080565 except add Chemical Processing (CP) features from catalog inside front cover | Same as DR202Y72M 080565 except add Chemical Processing (CP) features from catalog inside front cover |
| Voltage [1] | 115/230 | 230/460 | 575 | | |
| Phase – Frequency [1] | Single - 60 Hz | Three - 60 Hz | Three - 60 Hz | | |
| Insulation Class [2] | F | F | F | | |
| NEMA Rated Motor Amps | 4.2/2.1 | 1.2/0.6 | 0.5 | | |
| Service Factor | 1.35 | 1.35 | 1.35 | | |
| Locked Rotor Amps | 16.4/8.2 | 6.4/3.2 | 2.6 | | |
| Max. Blower Amps [3] | 4.6/2.3 | 1.54/0.77 | 0.57 | | |
| Recommended NEMA Starter Size | 00/00 | 00/00 | 00 | | |
| Shipping Weight | 39 lb (17.7 kg) | 35 lb (15.9 kg) | 34 lb (15.4 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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