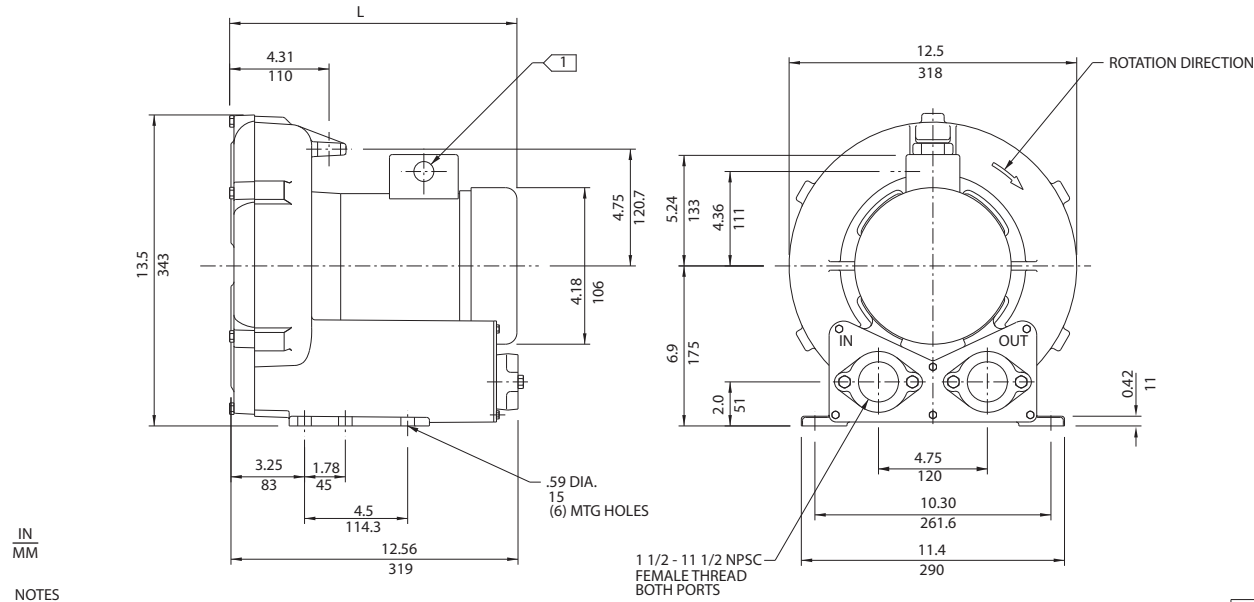


DR 454 & CP 454

1.5 HP Regenerative Blower



- NOTES
- 1) TERMINAL BOX CONNECTOR HOLE .88 (22) 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) |
|-----------|-----------|
| DR454R58M | 14.47/367 |
| DR454R72M | 13.31/338 |

| Specification | Units | Part/ Model Number | | | |
|-----------------------------|----------|---------------------|---------------------|---------------------|------------------------|
| | | DR454R58M 080481 | DR454R72M 080480 | DR454R86M 080482 | CP454EZ72MLR 080491 |
| Motor Enclosure - Shaft Mt. | - | TEFC - CS | TEFC - CS | TEFC - CS | CHEM TEFC -SS |
| Horsepower | - | 1.5 | 1.5 | 1.5 | 1.5 |
| Voltage | AC | 115/230 | 230/460 | 575 | 230/460 |
| Phase - Frequency | - | Single - 50/60 Hz | Three - 50/60 Hz | Three - 50/60 Hz | Three - 50/60 Hz |
| Insulation Class | - | F | F | F | F |
| NEMA Rated Motor Amps | Amps (A) | 15.6/7.8 | 4.6/2.3 | 1.8 | 4.6/2.3 |
| Service Factor | - | 1.15 | 1.15 | 1.15 | 1.15 |
| Max. Blower Amps | Amps (A) | 18/9 | 5.2/2.6 | 2.1 | 5.2/2.6 |
| Locked Rotor Amps | Amps (A) | 84/42 | 32/16 | 12.8 | 32/16 |
| NEMA Starter Size | - | 1/0 | 00/00 | 00 | 00/00 |
| Shipping Weight | Lbs | 73 | 60 | 60 | 60 |
| | Kg | 33.1 | 27.2 | 27.2 | 27.2 |

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: 120 SCFM
- Maximum pressure: 65 IWG
- Maximum vacuum: 60 IWG
- Standard motor: 1.5 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 horsepower for application-specific needs

BLOWER OPTIONS

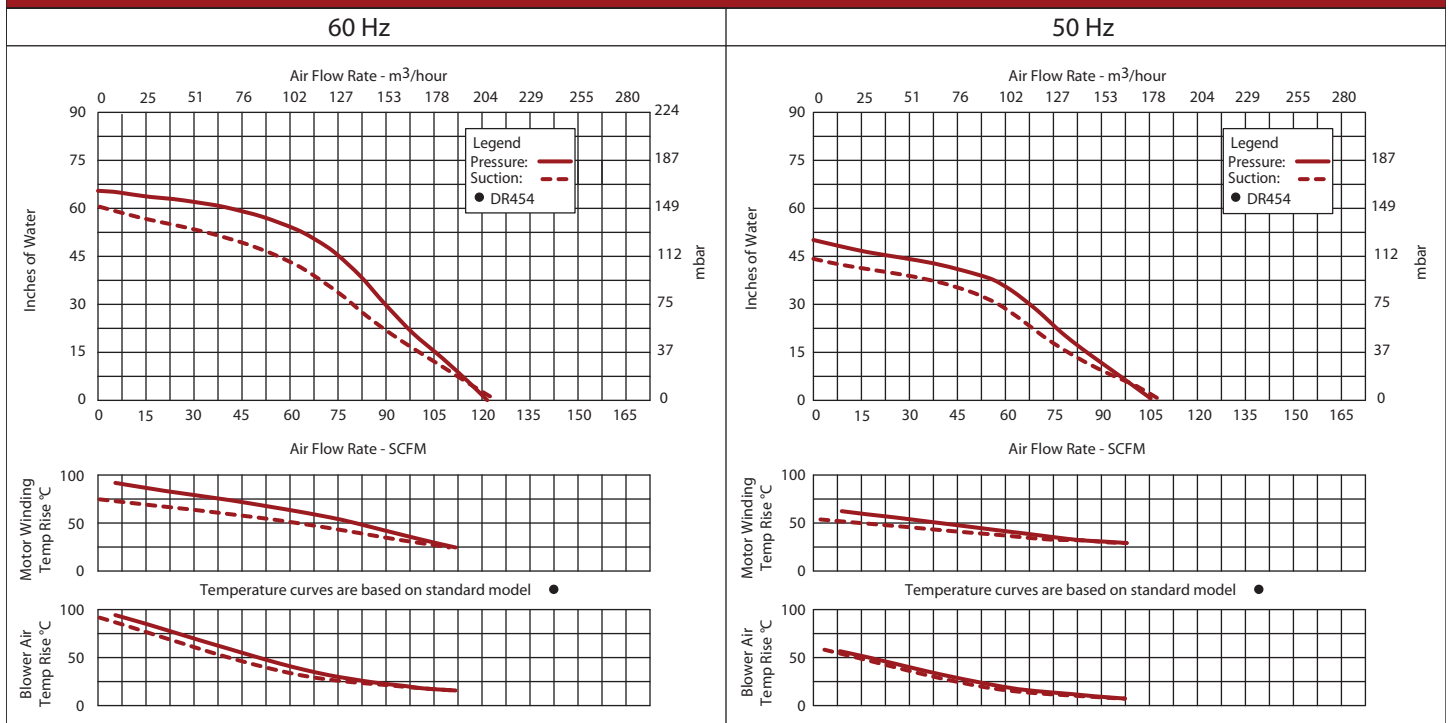
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

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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