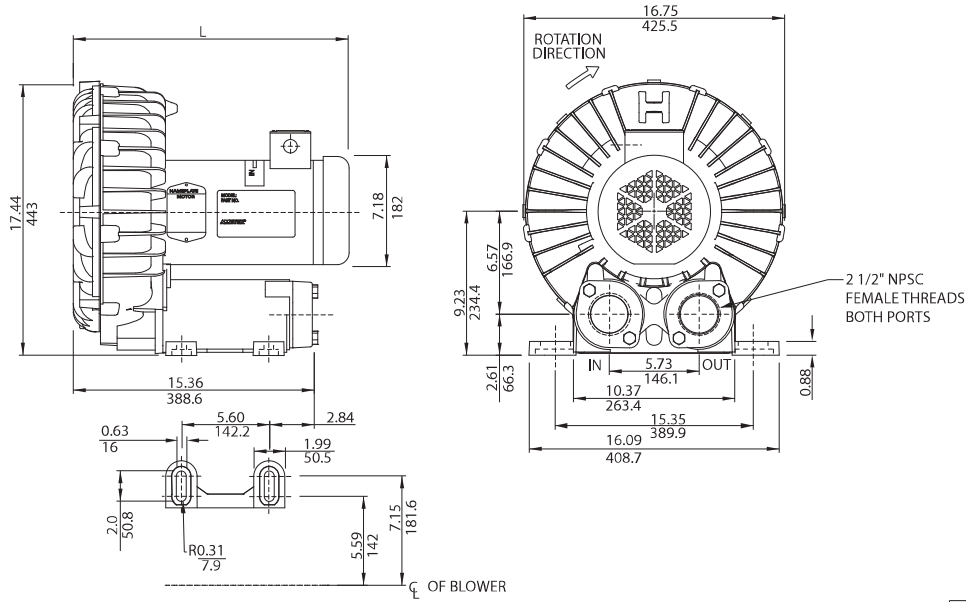


3.0 / 5.0 HP Sealed Regenerative w/Explosion-Proof Motor



- NOTES
- 1) TERMINAL BOX CONNECTOR HOLE .75 NPT.
  - 2) DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
  - 3) CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

| MODEL      | L (IN/MM)   |
|------------|-------------|
| EN757M72XL | 19.72/500.9 |
| EN757F72XL | 21.00/533.4 |

| Specification           | Units     | Part/Model Number    |                      |                      |                        |                        |
|-------------------------|-----------|----------------------|----------------------|----------------------|------------------------|------------------------|
|                         |           | EN757M72XL<br>081176 | EN757M86XL<br>081177 | EN757F72XL<br>081174 | CP757FW72XLR<br>081180 | CP757FU72XLR<br>081181 |
| Motor Enclosure - Shaft | -         | XP-CS                | XP-CS                | XP-CS                | CHEM XP-SS             | CHEM XP-SS             |
| Mtl. Horsepower         | -         | 3.0                  | 3.0                  | 5.0                  | 5.0                    | 3.0                    |
| Voltage                 | AC        | 208-230/460          | 575                  | 208-230/460          | 208-230/460            | 208-230/460            |
| Phase - Frequency       | -         | Three-60 Hz          | Three-60 Hz          | Three - 60 Hz        | Three-60 Hz            | Three - 60 Hz          |
| Insulation Class        | -         | B                    | B                    | B                    | B                      | B                      |
| NEMA Rated Motor Amps   | Amps (A)  | 7.2/3.6              | 3.0                  | 14/7                 | 14/7                   | 7.2/3.6                |
| Service Factor          | -         | 1.0                  | 1.0                  | 1.0                  | 1.0                    | 1.0                    |
| Maximum Blower Amps     | Amps (A)  | 10/5                 | 4.0                  | 15/7.5               | 15/7.5                 | 10/5                   |
| Locked Rotor Amps       | Amps (A)  | 54/47                | 22                   | 152/76               | 152/76                 | 54/27                  |
| Starter Size            | -         | 0/0                  | 0                    | 1/1                  | 1/1                    | 0/0                    |
| Shipping Weight         | Lbs<br>Kg | 158<br>71.7          | 158<br>71.7          | 158<br>71.7          | 158<br>71.7            | 158<br>71.7            |

**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.

**XP Motor Class - Group** - See Explosive Atmosphere Classification Chart in Section I

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## FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 310 SCFM
- Maximum pressure: 80 IWG
- Maximum vacuum: 75 IWG
- Standard motor: 5.0 HP, explosion-proof
- Cast aluminum blower housing, impeller, cover & manifold; cast iron flanges (threaded); teflon® lip seal
- UL & CSA approved motor with permanently sealed ball bearings for explosive gas atmospheres Class I Group D minimum
- Sealed blower assembly
- 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

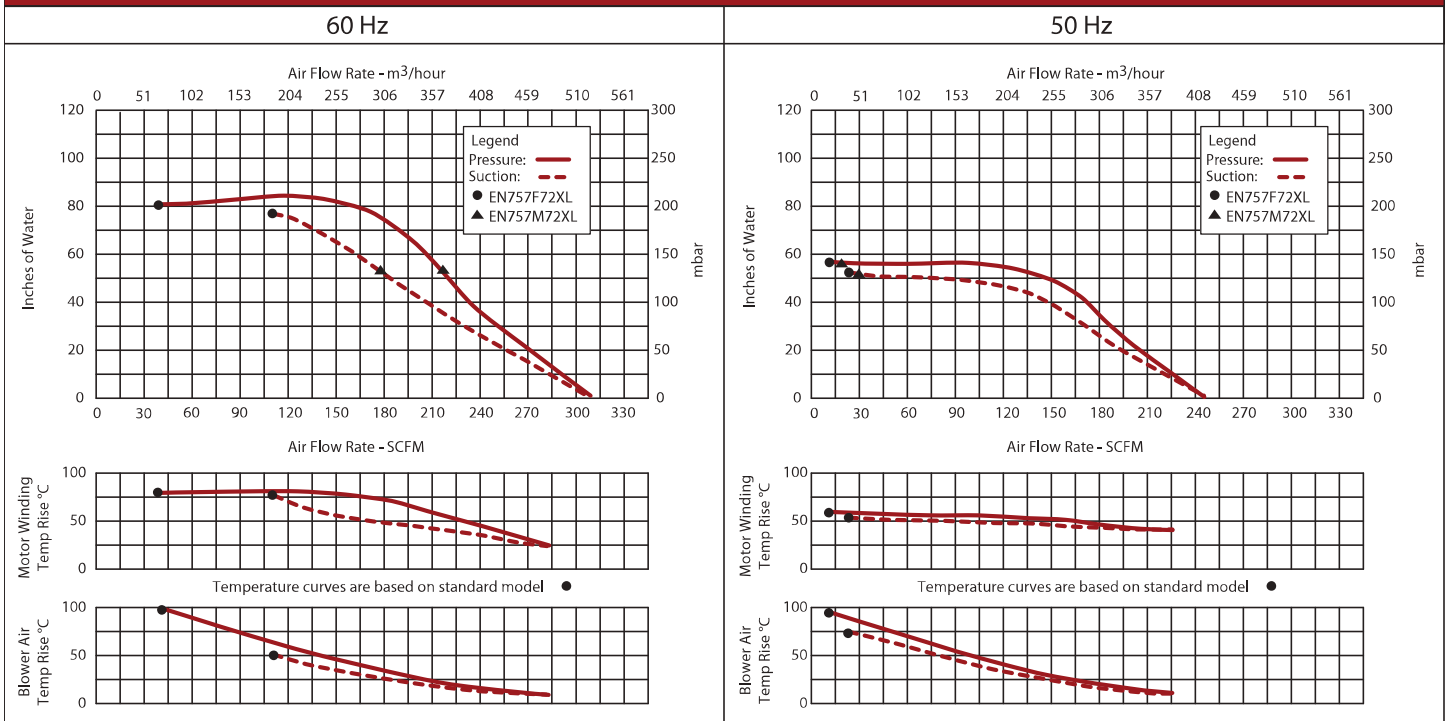
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

## 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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