



**Stock #1963**

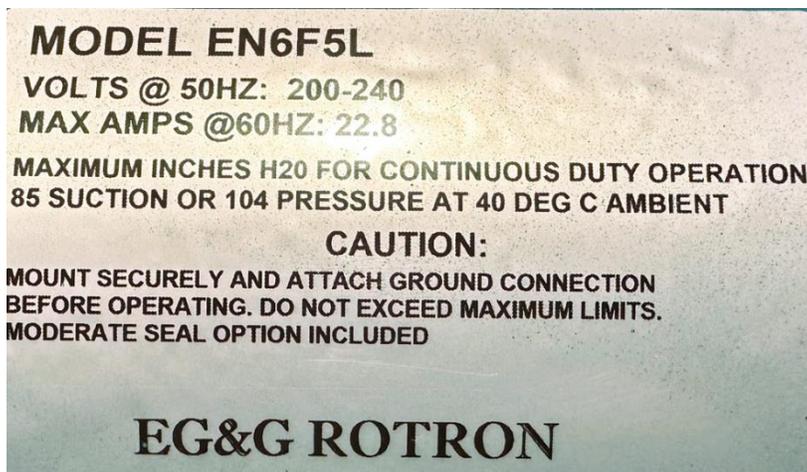
**Used Ametek Rotron EN6F5L Regenerative Blower, 5-HP, 1-Phase, 230V XP Motor  
Stock# 1963**

**SPECIFICATIONS**

**Dimensions:** 22.03" x 15" x 17.44"

**Weight:** 232 LBS.

**Brand:** Rotron  
**Model:** EN6F5L  
**Max Vacuum:** 85" H<sub>2</sub>O  
**Max Pressure:** 104" H<sub>2</sub>O  
**Max Flow:** 225 SCFM  
**Inlet/Outlet:** 2-inch FNPT  
**Motor:** Baldor 5 HP, Explosion Proof  
**Voltage:** 1-Phase, 230V, 60HZ





## EN 6 & CP 6 Sealed Regenerative Blower w/ Explosion-Proof Motor

### FEATURES

- Manufactured in the USA – ISO 9001 compliant
- Maximum flow: 225 SCFM
- Maximum pressure: 104 IWG
- Maximum vacuum: 85 IWG
- Standard motor: 5.0 HP, explosion-proof
- Cast aluminum blower housing, cover, impeller & 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

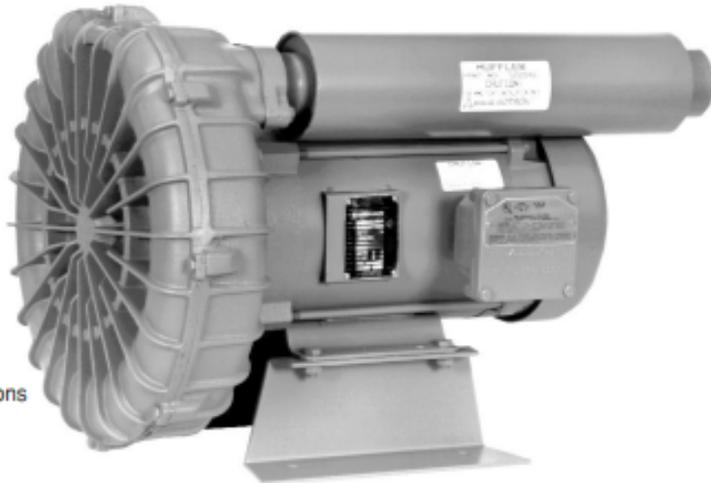
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

### BLOWER OPTIONS

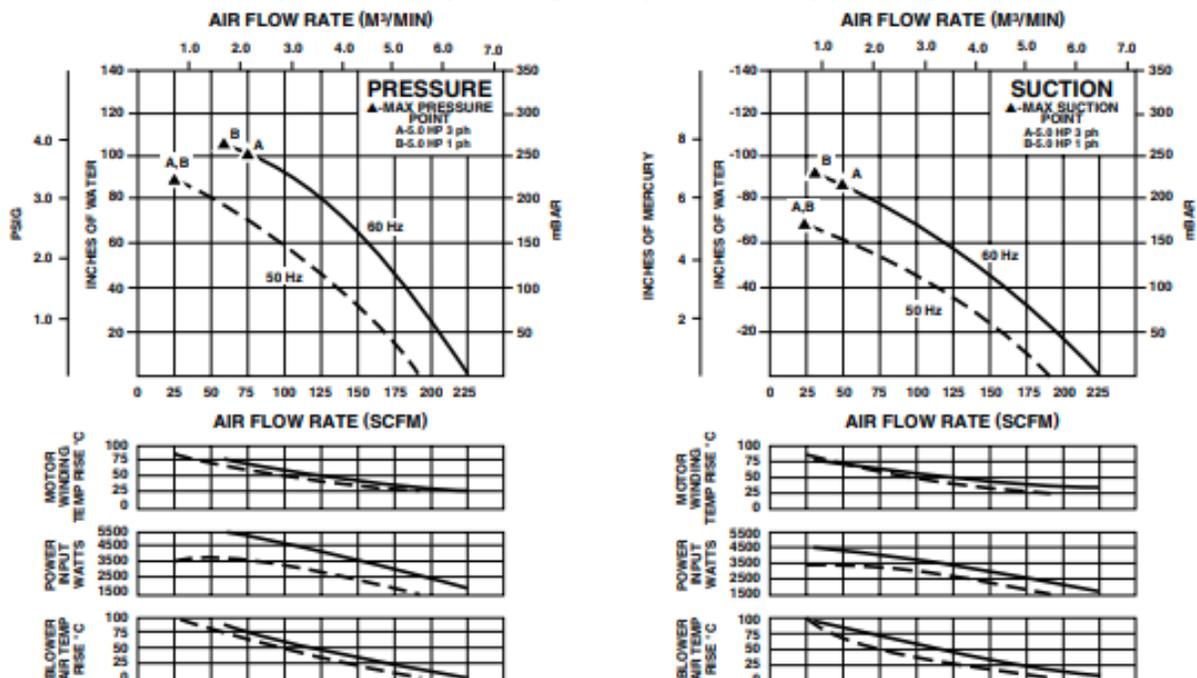
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

### 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

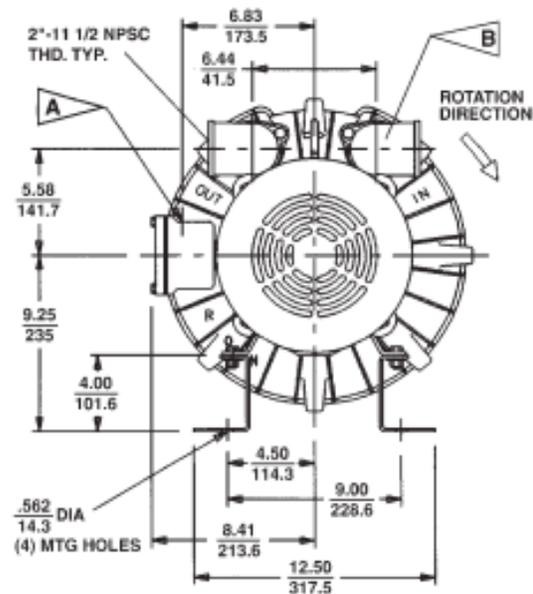
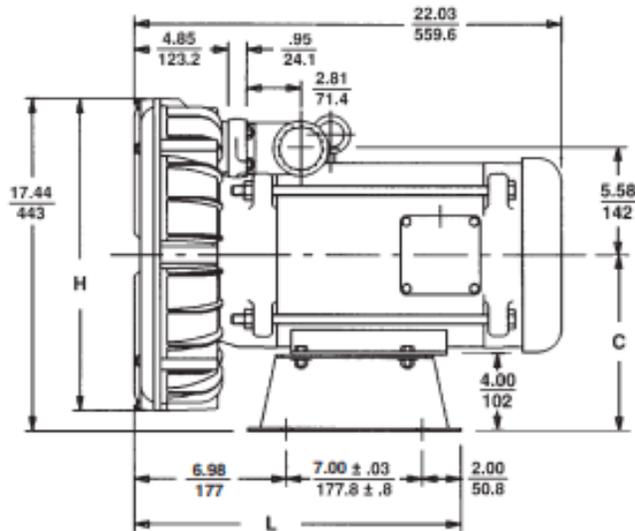


Rev. 2/04



# EN 6 & CP 6 Sealed Regenerative Blower w/ Explosion-Proof Motor

Scale CAD drawing available upon request.



DIMENSIONS:  $\frac{IN}{MM}$   
 TOLERANCES: .XX ±  $\frac{.12}{3}$   
 (UNLESS OTHERWISE NOTED)

| MODEL      | L (IN/MM) | C (IN/MM) | H (IN/MM) |
|------------|-----------|-----------|-----------|
| EN/CP6F72L | 20.37/517 | 8.5/216   | 16.7/424  |
| EN/CP6F5L  | 22.0/560  | 10.2/259  | 17.5/443  |

**A** 6.75" NPT CONDUIT CONNECTION AT 12 O'CLOCK POSITION

**B** 90° ELBOW SUPPLIED ON 1 PHASE MODEL ONLY

## SPECIFICATIONS

ALL PRODUCTS LISTED INCLUDE MUFFLER PN 522948

| MODEL                            | EN6F5L               | EN6F72L              | EN6F86L              | CP6FW5LR   | CP6FW72LR   |
|----------------------------------|----------------------|----------------------|----------------------|--|---|
| Part No.                         | 038361               | 038180               | 038438               | -  | 038978  |
| Motor Enclosure – Shaft Material | Explosion-proof – CS | Explosion-proof – CS | Explosion-proof – CS | Chem XP – SS   | Chem XP – SS  |
| Horsepower                       | 5.0                  | 5.0                  | 5.0                  | Same as EN6F5L – 038361 except add Chemical Processing (CP) features from catalog inside front cover | Same as EN6F72L – 038180 except add Chemical Processing (CP) features from catalog inside front cover |
| Phase – Frequency <sup>1</sup>   | Single - 60 Hz       | Three - 60 Hz        | Three - 60 Hz        |  |   |
| Voltage <sup>1</sup>             | 230                  | 230   460            | 575                  |  |   |
| Motor Nameplate Amps             | 19.5                 | 14   7               | 5.7                  |  |   |
| Max. Blower Amps <sup>3</sup>    | 23                   | 15.8   7.9           | 6.3                  |  |   |
| Inrush Amps                      | 175                  | 152   76             | 38                   |  |   |
| Starter Size                     | 2                    | 1   0                | 0                    |  |   |
| Service Factor                   | 1.0                  | 1.0                  | 1.0                  |  |   |
| Thermal Protection <sup>2</sup>  | Class B - Pilot Duty | Class B - Pilot Duty | Class B - Pilot Duty |  |   |
| XP Motor Class – Group           | I-D, II-F&G          | I-D, II-F&G          | I-D, II-F&G          |  |   |
| Shipping Weight                  | 232 lb (105 kg)      | 160 lb (73 kg)       | 160 lb (73 kg)       |  |   |

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.