

EN 12 Explosion-Proof Regenerative Blower

FEATURES

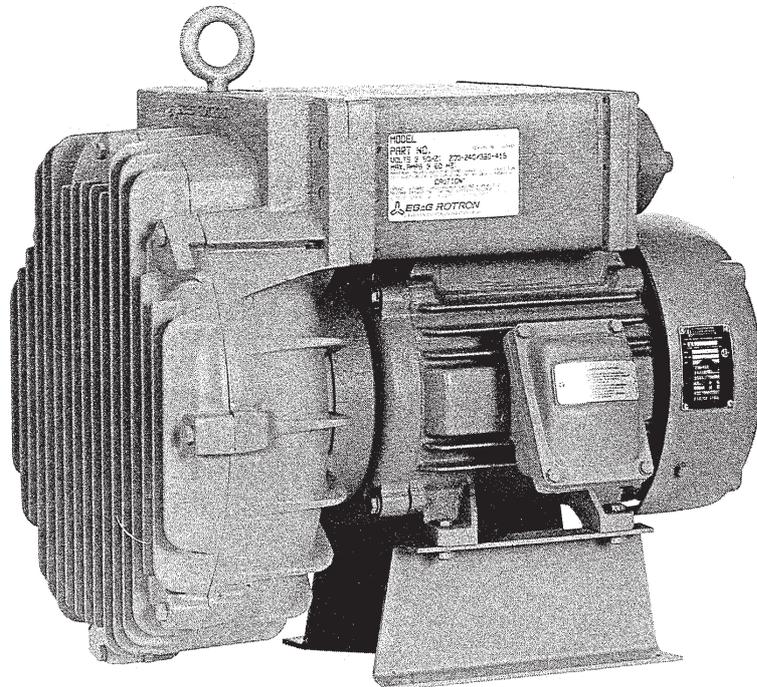
- Manufactured in the USA
- Maximum flow: 600 SCFM
- Maximum pressure: 120" WG
- Maximum vacuum: 100" WG
- Standard motor: 15 HP
- Blower construction — cast aluminum housing, cover, impeller & manifold; cast iron flanges
- UL & CSA approved motors for Class I, Group D atmospheres
- Sealed blower assembly
- Quiet operation within OSHA standards

OPTIONS

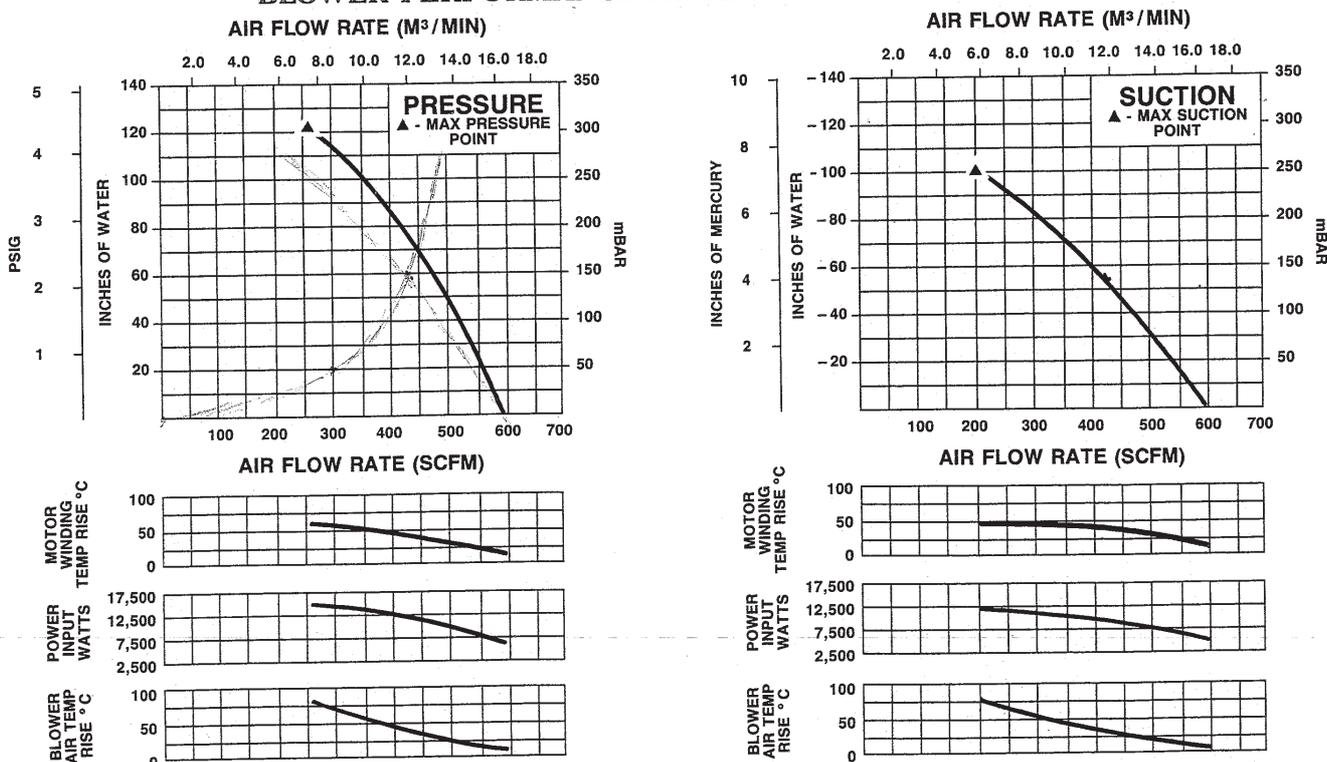
- TEFC motors
- 50 Hz motors
- International voltages
- Other HP motors
- Corrosion resistant surface treatments
- Remote drive (motorless) models

ACCESSORIES

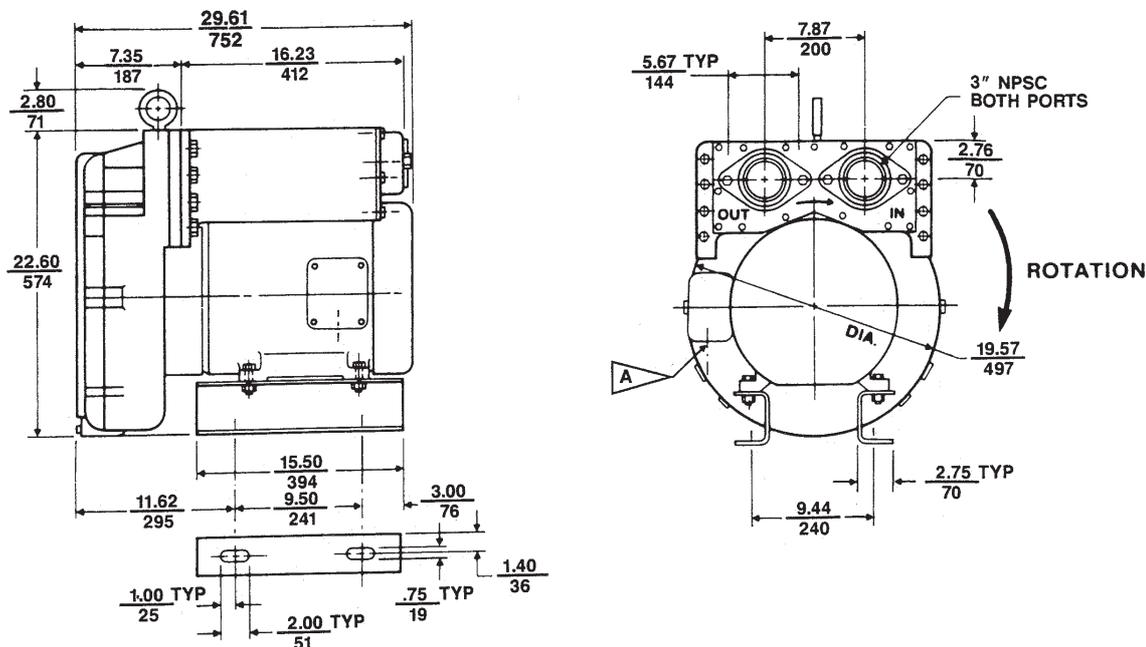
- Moisture separators
- Explosion-proof motor starters
- Inline & inlet filters
- Vacuum & pressure gauges
- Relief valves
- External mufflers



BLOWER PERFORMANCE AT STANDARD CONDITIONS



Explosion-Proof Regenerative Blower



DIMENSIONS: IN
MM
TOLERANCES: .XX ± .1
 2.5
(UNLESS OTHERWISE NOTED)

A 1.25" NPT CONDUIT CONNECTION AT 6 O'CLOCK POSITION

SPECIFICATIONS

MODEL	EN12BG72WL		EN12BG86WL
Part No.	038186		038442
Motor Enclosure Type	Explosion-proof		Explosion-proof
Horsepower	15		15
Phase — Frequency	Three - 60 Hz		Three - 60 Hz
Voltage ¹	230	460	575
Motor Nameplate Amps	36	18	14.4
Maximum Blower Amps ³	44	22	18
Inrush Amps	318	159	127
Starter Size	2	2	2
Service Factor	1.0		1.0
Thermal Protection ²	Pilot Duty		Pilot Duty
Bearing Type	Sealed, Ball		Sealed, Ball
Shipping Weight	584 lb (265 kg)		584 lb (265 kg)

BLOWER LIMITATIONS

Min. Flow @ Max. Suction	200 SCFM @ -100" WG	200 SCFM @ -100" WG
Min. Flow @ Max. Pressure	260 SCFM @ 120" WG	260 SCFM @ 120" WG

¹All dual voltage 3 phase motors are factory tested and certified to operate on 200-230/400-460 VAC-3 ph-60 Hz. All dual voltage 1 phase motors are factory tested and certified to operate on 110-120/200-230 VAC-1 ph-60 Hz.

²Maximum operating temperatures: Motor winding temperature (winding rise plus ambient) should not exceed 140°C for Class F insulation or 120°C for Class B insulation. Blower outlet air temperature should not exceed 140°C (air temperature rise plus ambient).

³Corresponds to the performance point at which the blower and/or motor temperature rise reaches the limit of the thermal protection in the motor.

Specifications subject to change without notice. Please contact factory for specification updates.

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