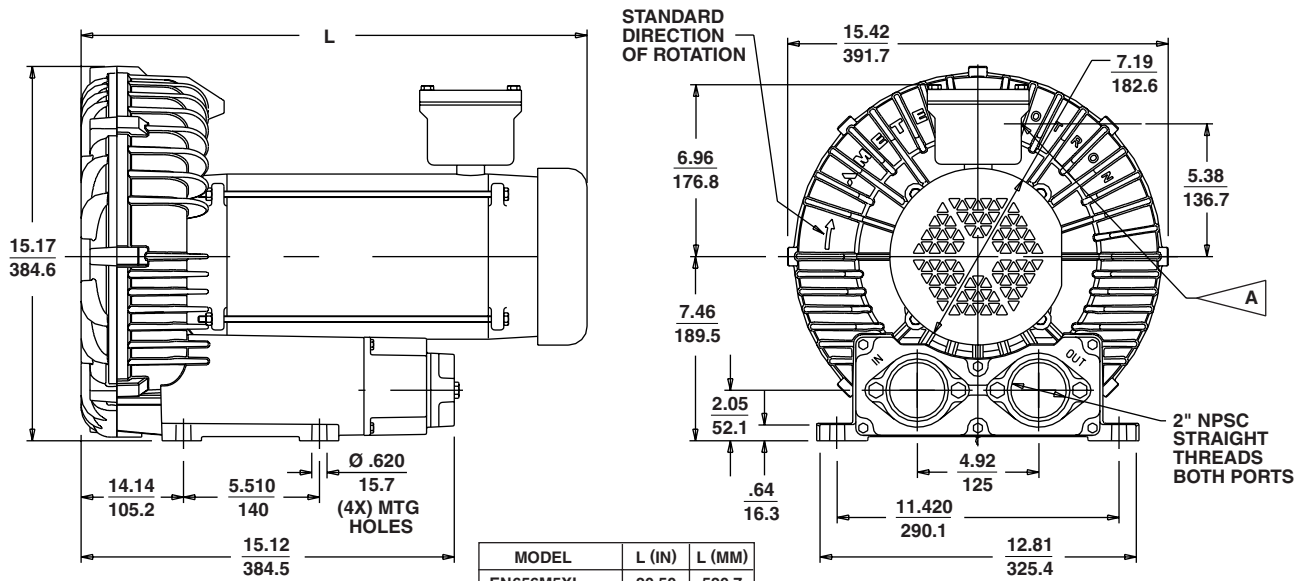


ROTRON® Regenerative Blowers

EN 656 & CP 656 Sealed Regenerative Blower w/Explosion-Proof Motor

Scale CAD drawing available upon request.



DIMENSIONS: $\frac{\text{IN}}{\text{MM}}$
 TOLERANCES: $.XX \pm \frac{.08}{2}$
 (UNLESS OTHERWISE NOTED)

MODEL	L (IN)	L (MM)
EN656M5XL	20.50	520.7
EN656M86XL	17.89	454.4
EN656M72XL	17.89	454.4
CP656M72XLR	17.89	454.4
CP656FU72XLR	17.89	454.4

A TERMINAL BOX CONNECTOR HOLE 3/4" NPT FEMALE THREAD

SPECIFICATIONS

MODEL	EN656M5XL	EN656M72XL	EN656M86XL	CP656FU72XLR
Part No.	080060	080059	080058	080142
Motor Enclosure – Shaft Material	Explosion-proof–CS	Explosion-proof–CS	Explosion-proof–CS	Chem XP – SS
Horsepower	3	3	3	Same as EN656M72XL 080059 except add Chemical Processing (CP) features from catalog inside front cover
Phase – Frequency ¹	Single - 60 Hz	Three - 60 Hz	Three - 60 Hz	
Voltage ¹	208-230	208-230 460	575	
Motor Nameplate Amps ³	15.5-14.5	7.4 3.7	3.0	
Max. Blower Amps ³	16.3-16.8	8.2 4.1	4.1	
Inrush Amps	95-86	54 27	21.6	
Starter Size	1	0 0	0	
Service Factor	1.0	1.0	1.0	
Thermal Protection ²	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	135 lb (64 kg)	110 lb (50 kg)	110 lb (50 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.

Rev. 2/04