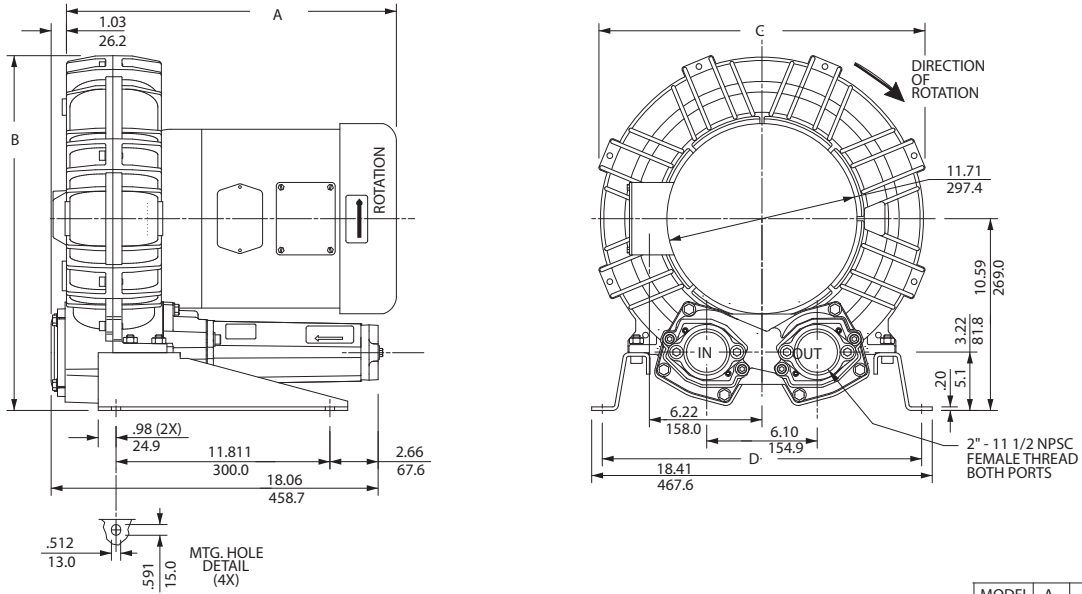


7.5 HP High Pressure Sealed Regenerative w/Explosion-Proof Motor



IN
MM

- NOTES
 1 TERMINAL BOX CONNECTOR HOLE 3/4" NPT FEMALE THREAD.
 2 DRAWING NOT TO SCALE, CONTACT FACTORY FOR SCALE CAD DRAWING.
 3 CONTACT FACTORY FOR BLOWER MODEL LENGTHS NOT SHOWN.

MODEL	A	B	C	D
EN633	18.1	18.94	16.7	17.3
EN833	18.2	19.59	18.0	17.6

Specification	Units	Part/Model Number	
		EN833BA72LM	CP833FY72LRM
		081712	081708
Motor Enclosure - Shaft Mtl.	-	XP-CS	CHEM XP-SS
Horsepower	-	7.5	7.5
Voltage	AC	208-230/460	208-230/460
Phase - Frequency	-	Three - 60 Hz	Three - 60 Hz
Insulation Class	-	B	B
NEMA Rated Motor Amps	Amps (A)	20-18/9.3	20-18/9.3
Service Factor	-	1.0	1.0
Max. Blower Amps	Amps (A)	19/9.5	19/9.5
Locked Rotor Amps	Amps (A)	177/88.7	177/88.7
Starter Size	-	1/1	1/1
Shipping Weight	Lbs	297	297
	Kg	134.7	134.7

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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7.5 HP High Pressure Sealed Regenerative w/Explosion-Proof Motor

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 120/180 SCFM
- Maximum pressure: 200/195 IWG
- Maximum vacuum: 155/155 IWG
- Standard motor: 7.5 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

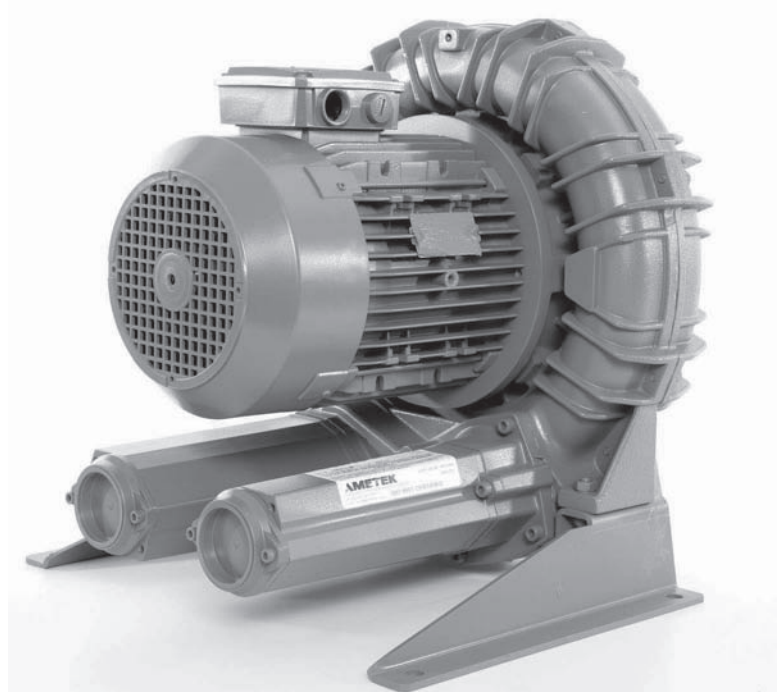
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepower for application-specific needs

BLOWER OPTIONS

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

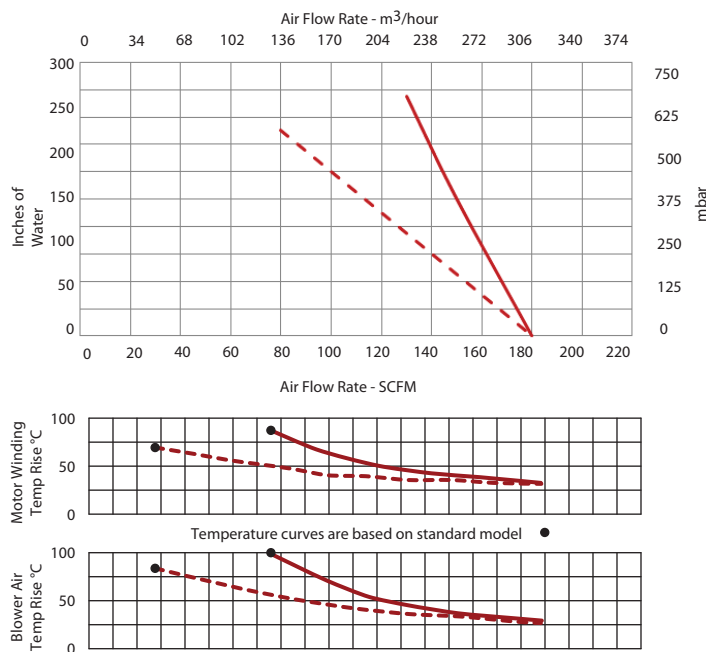
ACCESSORIES

- 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

60 Hz



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