Enviro-Equipment Inc.
10120 Industrial Drive
Pineville NC 28134

Serial#: EEI-1321

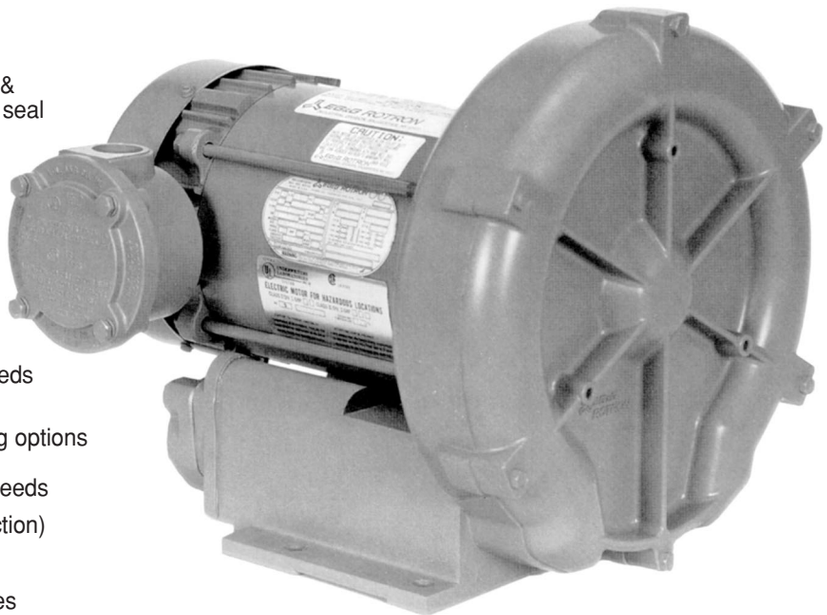
Status: In Stock, Tested

Dimensions: 42”x42”x78” 401 pounds on wood pallet, 42”x36”x73” 375 pounds without wood pallet

Description: 2HP SVE Skid Including Rotron EN505AX58ML 2HP 1PH XP Blower, Rotron MS200PS KO Tank with XP High Level Switch, 2” Solberg Air Filter, 2” Rotron Exhaust Silencer, Vacuum Gauges, Relay Logic Control Panel Wired 230V 1PH, Class 1 Div 2 Electrical (outdoor installation), Over/Under skid mount

EN 505M & CP 505M
Sealed Regenerative Blower w/Explosion-Proof Motor

FEATURES
- Manufactured in the USA – ISO 9001 compliant
- Maximum flow: 160 SCFM
- Maximum pressure: 62 IWG
- Maximum vacuum: 60 IWG
- Standard motor: 2.0 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

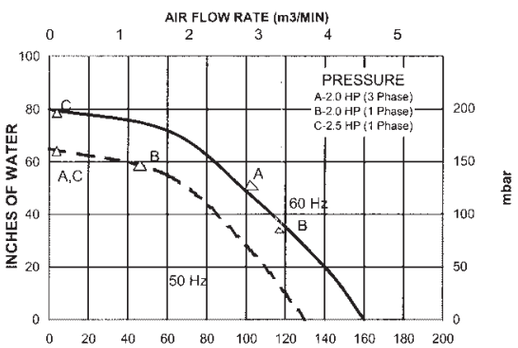


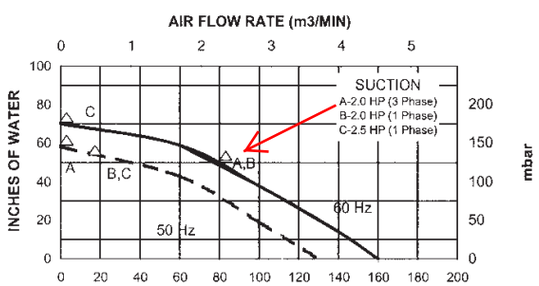
MOTOR OPTIONS
- International voltage & frequency (Hz)
- Chemical duty, high efficiency, inverter duty or industry-specific designs
- Various horsepowers for application-specific needs

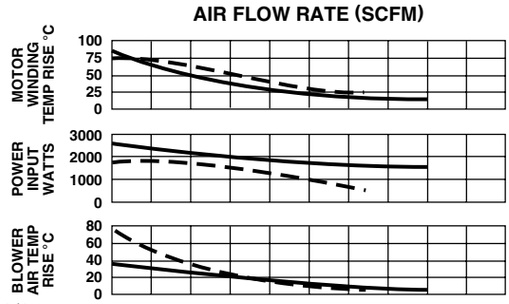
BLOWER OPTIONS
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

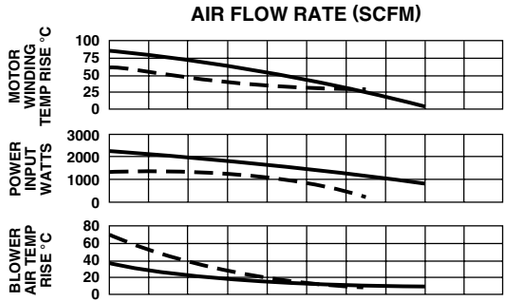
ACCESSORIES (See Catalog Accessory Section)
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges & relief valves
- Switches – air flow, pressure, vacuum or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package

BLOWER PERFORMANCE AT STANDARD CONDITIONS









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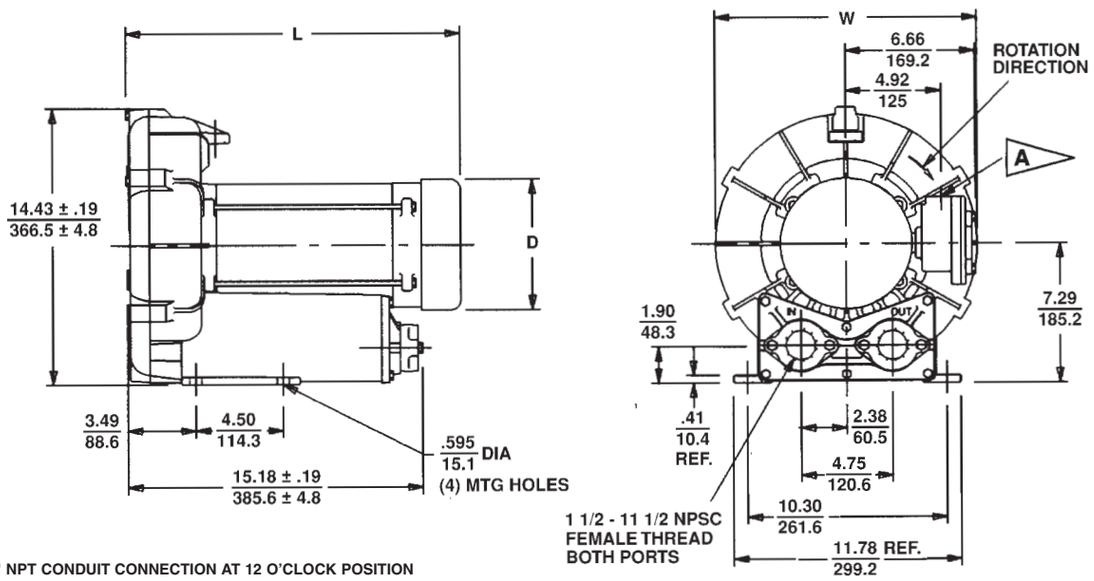
AMETEK Technical and Industrial Products, Kent, OH 44240 • e mail: rotronindustrial@ametek.com • internet: www.ametektmd.com

EN 505M & CP 505M
Sealed Regenerative Blower w/Explosion-Proof Motor

Scale CAD drawing available upon request.



A 0.75" NPT CONDUIT CONNECTION AT 12 O'CLOCK POSITION

DIMENSIONS: IN / MM
TOLERANCES: .XX ± .08 / 2.0
.XXX ± .030 / .800
(UNLESS OTHERWISE NOTED)

MODEL	L (IN) ± .30	L (MM) ± 8	D (IN)	D(MM)	W(IN)	W(MM) ± 5 MM
EN/CP505AX72ML	16.0	405	6.84	173	13.53	344
EN/CP505AX58ML	17.21	437	6.84	173	13.53	344
EN/CP505CJ5ML	18.57	472	7.32	186	13.53	344

SPECIFICATIONS

MODEL	EN505AX58ML		EN505AX72ML		EN505CJ5ML	CP505FS58MLR	CP505FS72MLR
Part No.	038177		038178		038445	080655	038962
Motor Enclosure – Shaft Material	Explosion-proof – **CS**		Explosion-proof – **CS**		Explosion-proof – **CS**	Chem XP – **SS**	Chem XP – **SS**
Horsepower	2.0		2.0		2.5	Same as EN505AX58ML – 038177 except add Chemical Processing (CP) features from catalog inside front cover	Same as EN505AX72ML – 038178 except add Chemical Processing (CP) features from catalog inside front cover
Phase – Frequency [1]	Single - 60 Hz		Three - 60 Hz		Single - 60 Hz		
Voltage [1]	115	230	230	460	230		
Motor Nameplate Amps	17.2	8.6	5.8	2.9	15.5		
Max. Blower Amps [3]	22.0	11.0	6.4	3.2	14.0		
Inrush Amps	112	56	56	28	86		
Starter Size	1	0	0	0	1		
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	95 lb (43 kg)		87 lb (40 kg)		103 lb (228 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.

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