



Enviro-Equipment Inc.
10120 Industrial Drive
Pineville NC 28134

Stock #1616

- 4x6' Enclosed SVE Trailer with single 2,000lb Axle
- Rotron HiE656M72XL 3HP 3PH XP VFD Rated Regenerative Blower
- Rotron MS300PS Moisture Separator with XP High Level Float
- 2" Brass Gate Valve with Filter Silencer for Dilution
- 2" Solberg Inlet Vacuum Filter and 2" Exhaust Silencer
- Pressure, Vacuum and Temperature Gauges
- Exhaust Pitot Tube & Flow Gauge
- 4x 2" SVE Manifold Legs Each with Ball Valve, Vacuum Gauge, Sample Port, Sight Glass, Male Camlock Connection on Exterior
- 12" Explosion Proof Exhaust Fan with Thermostat
- 1.8 KW Explosion Proof Heater with Thermostat
- Weatherproof UL Listed Relay Logic Control Panel mounted on exterior over tongue with VFD For Blower, Control Relay for KO Tank High Level Float, Phase/Voltage/Surge Protection, Etc.



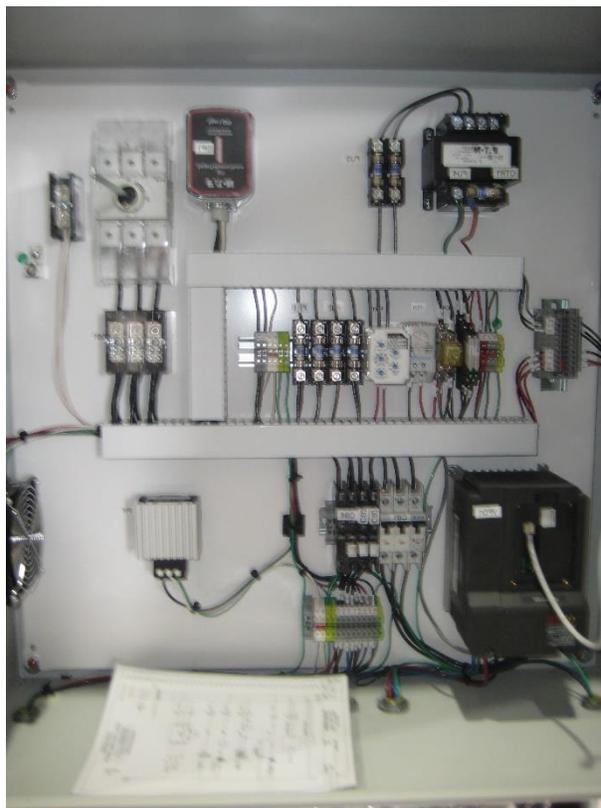


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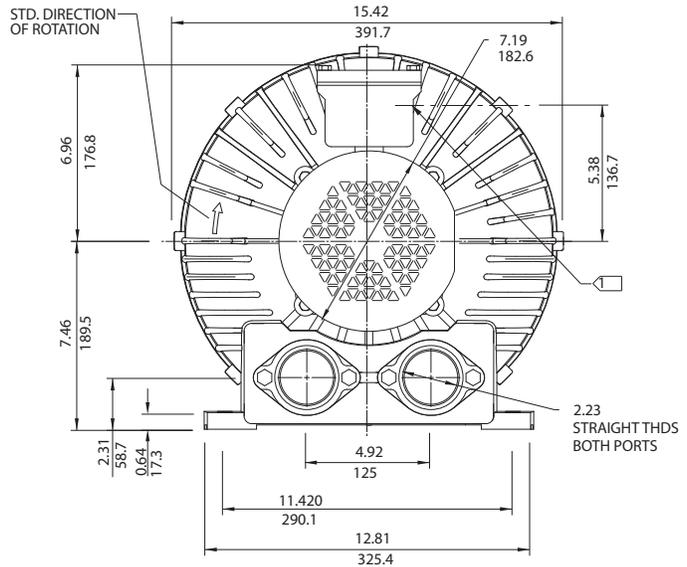
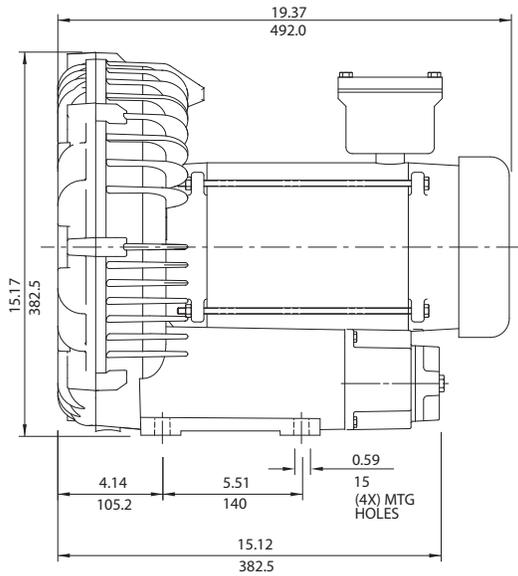


Environmental / Chemical Processing Blowers

EN 656 & CP 656

3.0 HP Sealed Regenerative w/Explosion-Proof Motor

ROTRON®



IN
MM

NOTES

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

		Part/ Model Number			
		EN656M5XL	EN656M72XL	EN656M86XL	CP656FU72XLR
Specification	Units	080060	080059	080058	080142
Motor Enclosure - Shaft Mtl.	-	Explosion-proof-CS	Explosion-proof-CS	Explosion-proof-CS	Chem XP-SS
Horsepower	-	3	3	3	3
Phase - Frequency	-	Single-60 hz	Three-60 hz	Three-60 hz	Three-60 hz
Voltage	AC	208-230	208-230/460	575	208-230/460
Motor Nameplate Amps	Amps (A)	15.5-14.5	7.4/3.7	3.0	7.4/3.7
Max. Blower Amps	Amps (A)	17	10/5	4.1	10/5
Inrush Amps	Amps (A)	95-86	54/27	21.6	54/27
Service Factor	-	1.0	1.0	1.0	1.0
Starter Size	-	1	0/0	0	0/0
Thermal Protection	-	Class B - Pilot Duty			
XP Motor Class - Group	-	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G	I-D, II-F&G
Shipping Weight	Lbs	142	117	117	117
	Kg	64.4	53.1	53.1	53.1

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

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. AMETEK is not responsible for blowers driven beyond factory specified speed, temperature, pressure, flow or without proper alignment. Actual performance will vary depending on the operating environment and application. AMETEK products are not designed for and should not be used in medical life support applications. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For product designed to meet specific applications, contact AMETEK Technical & Industrial Products Sales department.

FEATURES

- Manufactured in the USA - ISO 9001 and NAFTA compliant
- Maximum flow: 212 SCFM
- Maximum pressure: 75 IWG
- Maximum vacuum: 73 IWG
- Standard motor: 3.0 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

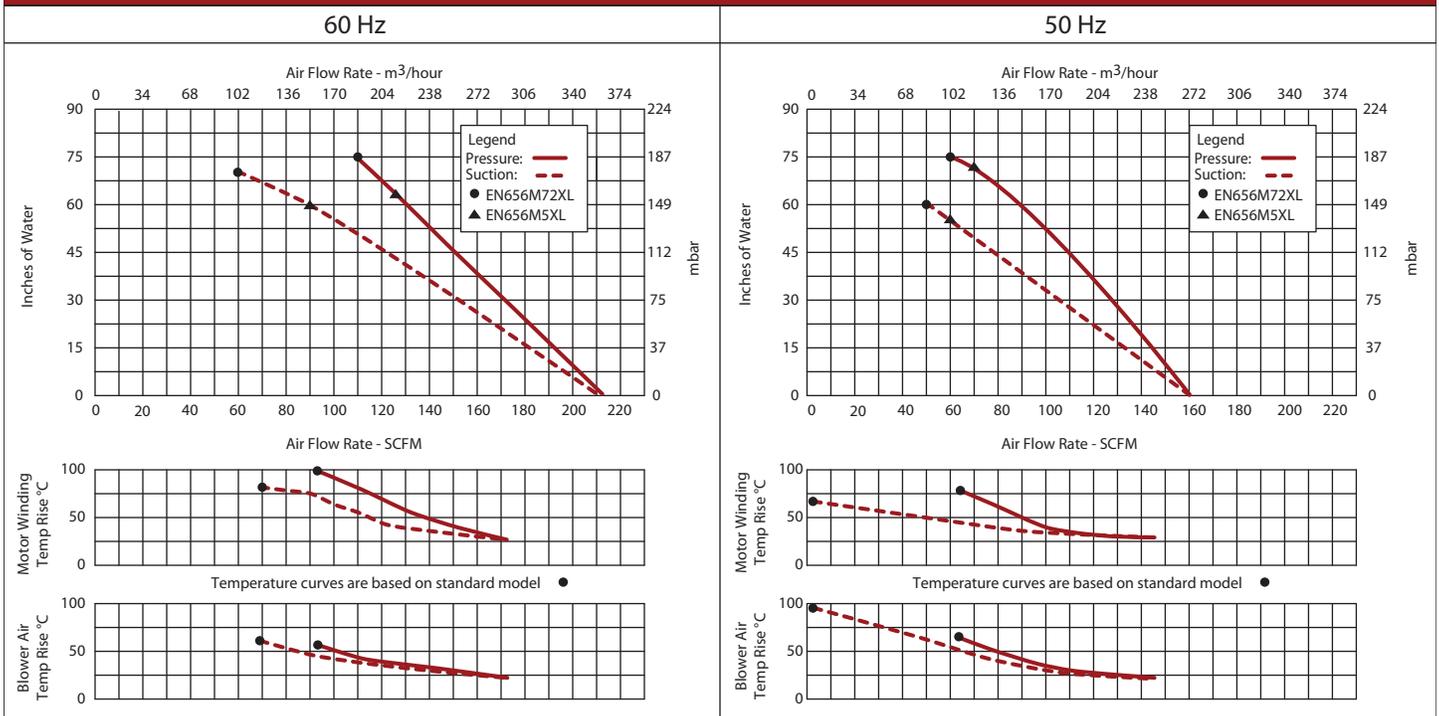
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES

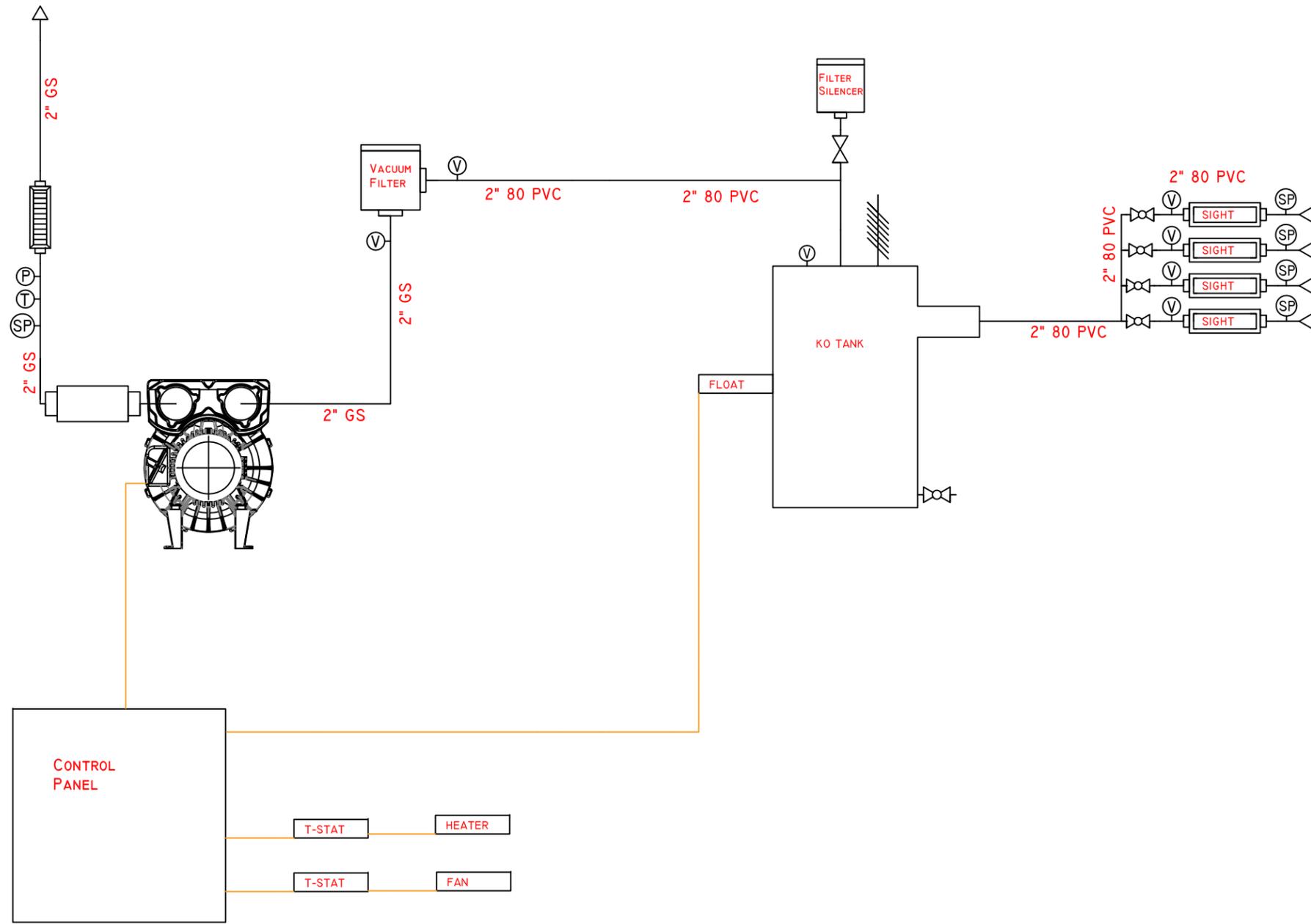
- Flowmeters reading in SCFM
- Filters & moisture separators
- Pressure gauges, vacuum gauges, & relief valves
- Switches - air flow, pressure, vacuum, or temperature
- External mufflers for additional silencing
- Air knives (used on blow-off applications)
- Variable frequency drive package



Blower Performance at Standard Conditions



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SYMBOL	DESCRIPTION
	SAMPLE PORT
	VACUUM SWITCH
	VACUUM GAUGE
	TEMPERATURE SWITCH
	PRESSURE SWITCH
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	RELIEF VALVE
	SOLENOID VALVE
	WYE STRAINER
	CHECK VALVE
	GATE VALVE
	BALL VALVE
	VACUUM FILTER
	FILTER SILENCER
	EXHAUST MUFFLER
	FLOW METER
	TRANSFER PUMP
	VACUUM BLOWER
	AIR COMPRESSOR
	MOISTURE SEPARATOR
	HEAT EXCHANGER
	INTRINSICALLY SAFE WIRING
	POWER WIRING

DATE	REVISION	BY	CH'D

ENVIRO-EQUIPMENT, INC.
 10120 Industrial Drive
 Pineville, N.C. 28134
 PHONE 704-556-7723
 FAX 704-556-7728

TOLERANCES (UNLESS OTHERWISE SPECIFIED)	CUSTOMER: Meridian
TITLE: P&ID SVE Trailer	
SCALE: NTS	DRAWN BY: Evan Chew
DATE: 9/7/2018	CHECKED BY: EC
SHEET 1	APP'D BY: EC
OF SHEETS 1	DRAWING NO. 4621

