



Enviro-Equipment Inc.
10120 Industrial Drive
Pineville NC 28134

Serial# EEI-1322

Dimensions: 7x14' Trailer with 7,000lb GVWR

Description: AS-SVE Trailer

*****SVE EQUIPMENT*****

Rotron EN656 3HP 1PH XP Blower

2" Kunkle Vacuum Relief Valve

2" Solberg Vacuum Air Filters with vacuum gauges, Dilution Filter Silencer, and Discharge Silencer

60 Gallon Aluminum KO Tank with Sight Glass and 3 Level Float Tree

Myers CT Series Transfer Pump 1/2HP 1PH XP with 1" Mechanical Totalizer and pipe stub through wall with camlock connection

Exhaust Flow Meter, Temperature and Pressure Gauge and Recirculation Gate Valve for Oxidizer Flow Control

Interconnecting SCH 80 PVC and Galvanized Steel Piping for SVE and Transfer Pump

Carbon or Oxidizer VCV Loop with Isolation Valves and Camlock Hoses

6x 2" Manifold Legs each with ball valve, vacuum gauge connection, sample port, anemometer port, pipe stub through trailer wall with camlock connection

*****AIR SPARGE EQUIPMENT*****

Rietschle DTA 60 with 5HP 1PH XP Motor

High Temperature and Pressure Switches (Div 2)

Pressure and Temperature Gauges on Main Air Sparge Line

Interconnecting Galvanized Steel Piping for Air Sparge Compressor and Heat Exchanger

1" Blow Off Line with Brass Gate Valve and Muffler

6 Zone 1/2" Galvanized Manifold Each Leg with Gate Valve, Pressure Gauge, Rotameter, Pipe Stub Through Wall with Camlock connection

*****ENCLOSURE*****

7x14 Enclosed Cargo Trailer with Tandem 3500lb Axles, Rear Double Door, Insulated Ceiling/Walls, D Rings Welded to Frame, Spare Tire

1" Thick Polydamp Foam on Interior Walls and Ceiling

Sheet Metal Rain Hoods lined with 1" Thick Polydamp Foam for 2x Intakes Vents, 1x Exhaust Fan

2x XP Light Fixtures with Common XP Light Switch

12" XP Exhaust Fan with XP Thermostat and Finger Guard

XP Heater with XP Thermostat

Interconnecting Electrical - Inside Trailer Class 1 Div 2 Group D, Control Panel mounted on trailer exterior over tongue general industrial weatherproof installation



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*****CONTROL PANEL*****

240V 1PH - Requires Neutral

Non Fused Disconnect

Nema 4 Enclosed With Lockable Blank Front, Controls On Inner Swing Door

Circuit Breaker, Contactor, Overload, HOA Switch, Hour Meter for AS, SVE, Transer Pump and Heat Exchanger Motors

Circuit Breakers for all trailer fixtures (lights, fan, heater)

White Control Power Light

Red Lights for Each Alarm Condition

Emergency Stop and Reset Push Buttons

Control Transformer

Control Relays

Surge and Phase Protection

Sensaphone Sentinel 4G LTE Telemetry System

UL 508 / 698 Listing



ROTRON® Regenerative Blowers

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

FEATURES

- Manufactured in the USA – ISO 9001 compliant
- Maximum flow: 212 SCFM
- Maximum pressure: 70 IWG
- Maximum vacuum: 70 IWG
- Standard motor: 3.0 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 horsepower for application-specific needs

BLOWER OPTIONS

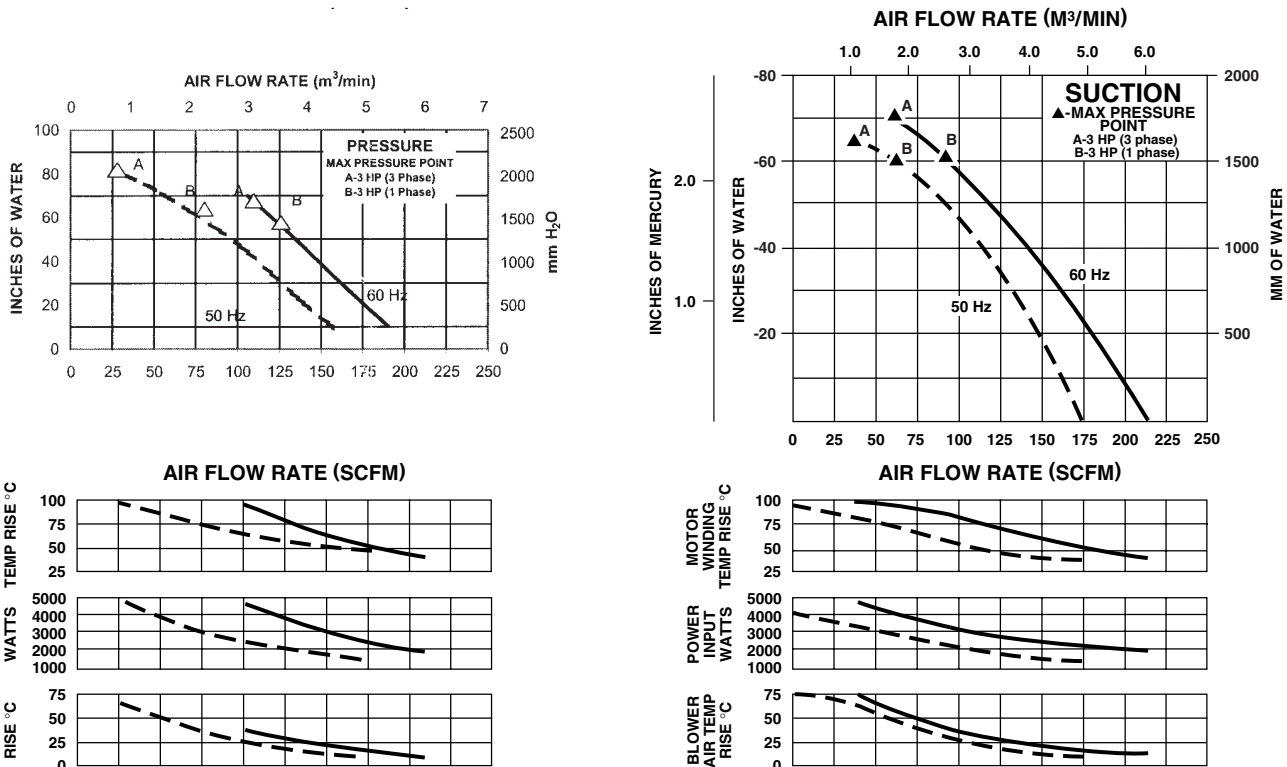
- Corrosion resistant surface treatments & sealing options
- Remote drive (motorless) models
- Slip-on or face flanges for application-specific needs

ACCESSORIES (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

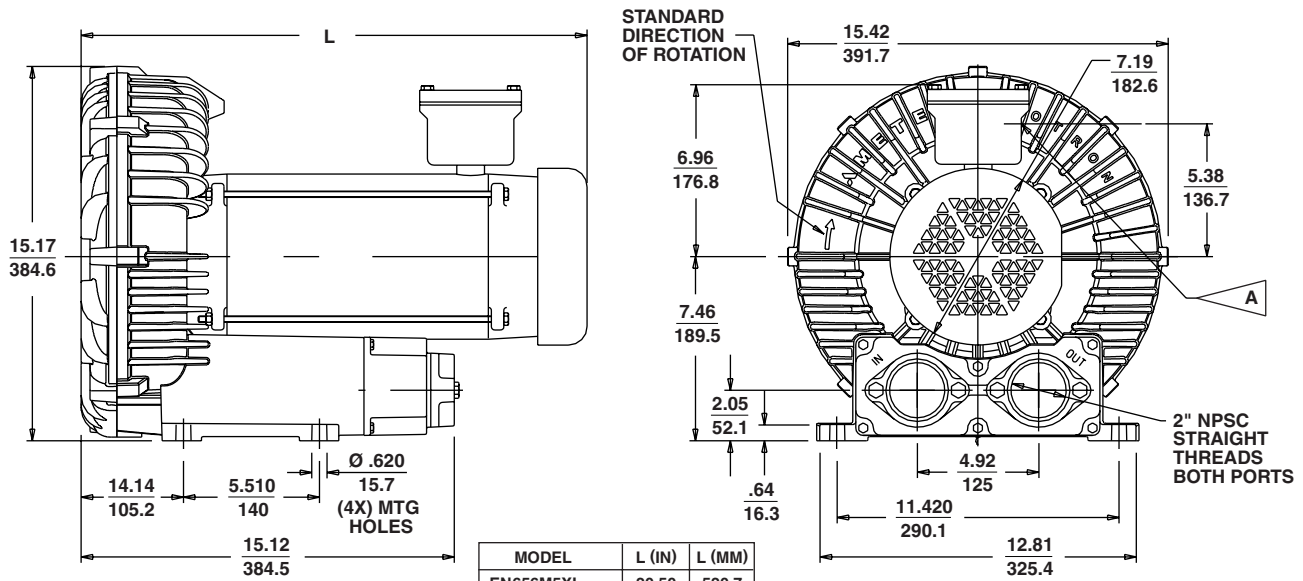


Rev. 2/04

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 $\pm 10\%$ 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



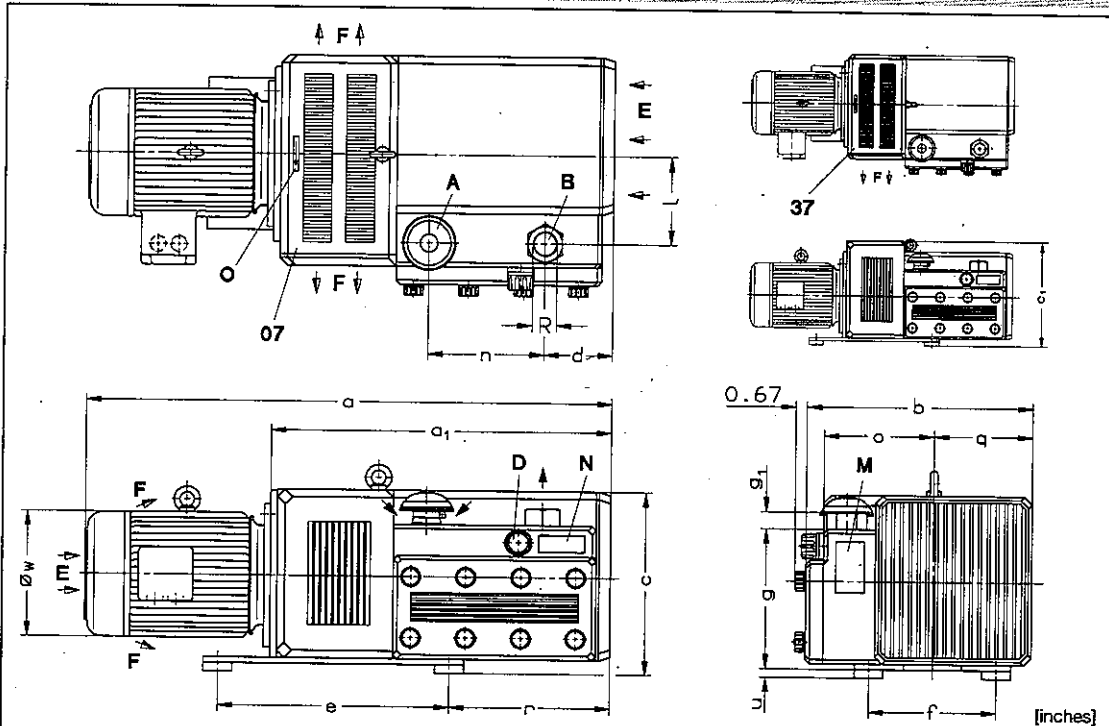
Compressors

Compresores

Compresseurs

Compresores

V-DTA



(07)	Two side cooling air exit	Salida bilateral aire refrigerante	Sortie air refroidissement bi-côté	Saída bilateral do ar refrigerante
(37)	One side cooling air exit	Salida unilateral de aire refrigerante	Sortie air refroidissement mono-côté	Saída unilateral do ar refrigerante
A	Suction	Succión	Aspiration	Sucção
B	Pressure connection	Conexión presión	Raccord surpression	Conexão da pressão
D	Pressure regulating valve	Válvula reguladora de presión	Valve de réglage pression	Válvula de regulagem da pressão
E	Cooling air entry	Entrada aire refrigerante	Entrée air refroidissement	Entrada do ar refrigerante
F	Cooling air exit	Salida aire refrigerante	Sortie air refroidissement	Saída do ar refrigerante
M	Greasing label	Rótulo engrase	Etiquette graissage	Rótulo da lubrificação
N	Data plate	Placa fecha	Etiquette caractéristique	Placa da data
O	Rotation arrow	Dirección de rotación	Flèche sens rotation	Direção da rotação

V-DTA		50		60		80		100		140	
kw	50 Hz	2.2	3.0	2.2	3.0	3.0	4.0	4.0	5.5	5.5	7.5
hp	60 Hz	5.0		5.0		5.0	7.5	7.5	10	10	15
[inches]	a	50 Hz	28.50	30.35	30.35	31.02	34.25	38.39	38.39		
	a (1~)	60 Hz	29.32	31.96	31.96	34.73	37.96	39.28	39.28	42.94	
	a ₁	50 Hz	15.79	18.43		18.43	21.65	22.44		22.44	
	b	60 Hz	16.02	18.66	18.66	19.17	22.40		22.40	23.03	
	c		11.65	15.28		15.28	15.28		15.28	15.28	
	c ₁		10.24	12.60		12.60	12.60		12.60	12.60	
	d			14.41		14.41	14.41		14.41	14.41	
	e		1.97	3.03		3.03	3.35		3.35	3.35	
	f		12.60	15.75		15.75	15.75		15.75	15.75	
	g		6.30	8.27		8.27	8.27		8.27	8.27	
	g ₁		7.83 / 0.98	9.80 / 1.18		9.80 / 1.18	9.80 / 1.18		9.80 / 1.18	9.80 / 1.18	
	l		4.76	5.87		5.87	6.10		6.10	6.10	
	n		5.59	5.75		5.75	7.95		7.95	7.95	
	o		5.67	7.48		7.48	7.48		7.48	7.48	
	q		5.16	6.69		6.69	6.69		6.69	6.69	
	r		6.18	6.54		6.54	9.76		9.76	9.76	
	u		0.79	0.59		0.59	0.59		0.59	0.59	
	ow	50 Hz	7.72	7.72	7.72	8.66	8.66	9.69	9.69	9.69	
	ow	60 Hz	8.49	8.49	8.49	10.34	10.34		10.34	10.34	11.47
	ow (1~)	60 Hz		8.91	8.91						
	R		3/4" NPT	1" NPT	1" NPT	1" NPT	1 1/4" NPT		1 1/4" NPT		

DA 355

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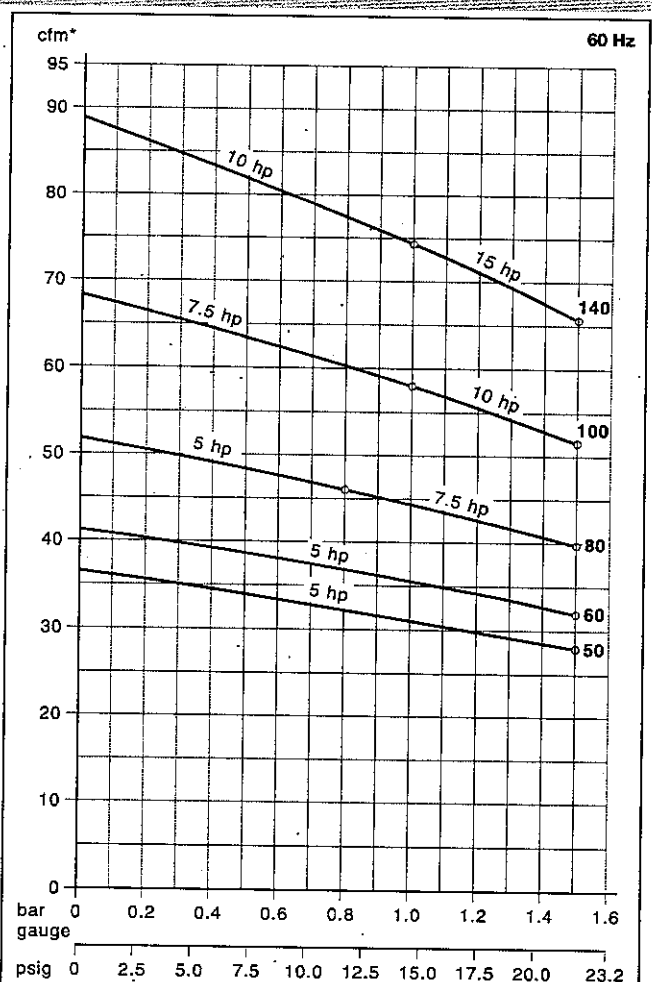
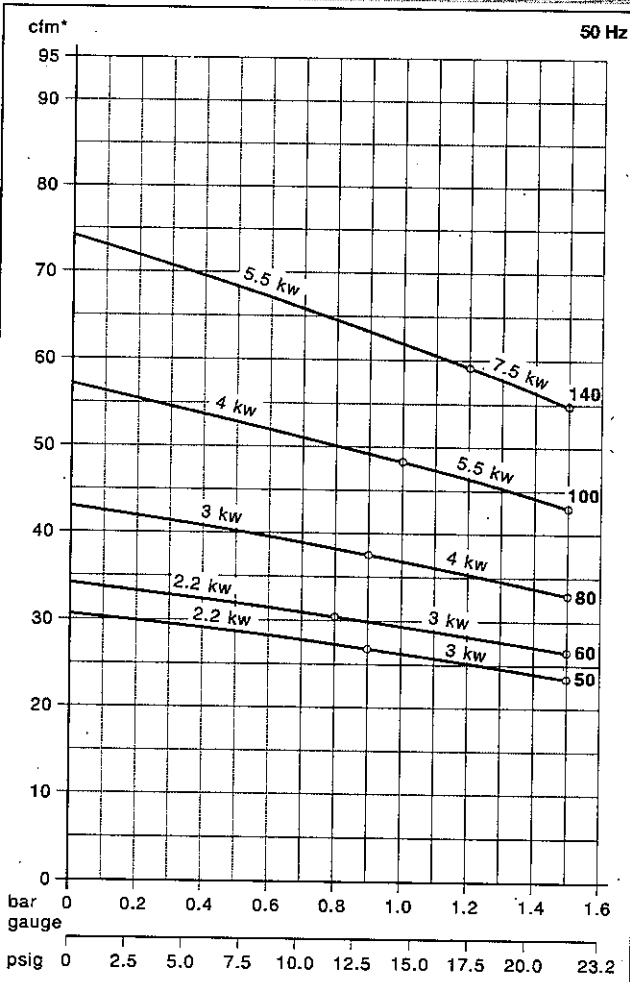
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V-DTA	50		60		80		100		140		
cfm	50 Hz	30.6		34.1		43.0		57.1		74.2	
	60 Hz	36.5		41.2		51.8		68.3		88.9	
psig	50 Hz	13.1	21.8	10.2	21.8	13.1	21.8	14.5	21.8	17.4	21.8
	60 Hz	10.2	21.8	21.8		11.6	21.8	14.5	21.8	14.5	21.8
3~	50 Hz	230/400V ± 10%						400/690V ± 10%			
	60 Hz	208-230/460V ± 10%									
1~	60 Hz	230V ± 10%									
kw	50 Hz	2.2	3.0	2.2	3.0	4.0	4.0	5.5	5.5	7.5	
	60 Hz	5.0		5.0		5.0	7.5	7.5	10	15	
hp	50 Hz	5.0	8.5/4.9	10.0/5.9	11.4/6.6	12.2/7.1	15.0/8.8	15.0/8.8	12.0/6.9	12.0/6.9	16.5/9.
	60 Hz	15-13.2/6.6		15-13.2/6.6		15-13.2/6.6		21.5-20/10		21.5-20/10	
A (3~)	50 Hz	15-13.2/6.6		15-13.2/6.6		15-13.2/6.6		21.5-20/10		21.5-20/10	
	60 Hz	15-13.2/6.6		15-13.2/6.6		15-13.2/6.6		21.5-20/10		21.5-20/10	
A (1~)	60 Hz	-		23		23		-		-	
rpm	50 Hz	1450									
	60 Hz	1740									
dB(A)	50 Hz	71		72		74		76		78	
	60 Hz	73		74		76		78		80	
lbs (3~)	50 Hz	141	150	190	198	214	232	236	276	298	353
	60 Hz	176		225		240		289		304	
lbs (1~)	60 Hz	-		251		266		-		-	
ZRK		20 (03)		25 (03)		25 (03)		32 (03)		32 (03)	
ZAF		20 (50)		25 (50)		25 (50)		32 (50)		32 (50)	

	Capacity	Capacidad	Volume engendré	Capacidade
cfm	Excess pressure	Exceso de presión	Surpression	Pressão excessiva
psig	Motor version	Versión motor	Exécution moteur	Versão do motor
3~	Motor rating	Datos motor	Puissance moteur	Potência do motor
kw / hp	Full load amperage	Amperaje de plena carga	Intensité absorbée	Amperagem da carga total
A	Speed	Velocidad	Vitesse rotation	Velocidade
rpm	Average noise level	Nivel de ruido medio	Niveau sonore moyen	Nível médio de ruido
dB(A)	Weight	Peso	Poids	Peso
lbs	Accessories	Accesorios	Accessoires	Acessórios
ZRK	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
ZAF	Suction filter	Filtro succión	Filtre d'aspiration	Filtro de sucção
ZMS	Motor starter	Arranque motor	Disjoncteur moteur	Arranque do motor



* Capacity refers to free air at 1 standard atmosphere and 20° C (68° F). / La capacidad se refiere al aire libre a 1 atmosfera estándar de presión y a 20° C (68° F) de temperatura. / Le débit est mesuré à l'atmosphère de 1 bar (abs.) à 20° C (68° F). / A capacidade refere-se ao ar livre a uma atmosfera padrão 1 e a 20° C (68° F).
 Curves and tables refer to compressor at normal operating temperature. / Las curvas y las tablas se refieren al compresor a la temperatura normal de operación. / Les courbes et tableaux sont établies, compresseur à température de fonctionnement. / As curvas e tabelas referem-se ao compresor a temperatura normal de operação.
 Technical information is subject to change without notice. / La información técnica está sujeta a cambios sin previo aviso. / Sous réserve de modification technique. / A informação técnica está sujeita a mudança sem aviso prévio.
 The listed values for a, øw and full load amperage may vary because of different motor manufacturers. / Los valores listados para a, øw y para el amperaje de carga completa pueden variar para distintos fabricantes de motores. / Les dimensions a et øw ainsi que l'ampérage peuvent différer des données indiquées ci-dessus, selon le fabricant du moteur. / Como variam os fabricantes de motores, poderá haver variação dos valores indicados para a, øw e para uma amperagem da carga total.