Atlas Copco

Oil-injected Rotary Screw Compressors GA 90⁺-160⁺ / GA 110-160 VSD (90-160 kW / 125-200 hp)







Sustainable Productivity

Powerful efficiency to drive down energy costs

GA 90⁺-160⁺ / GA 110-160 VSD compressors provide high-quality compressed air in the harshest environmental conditions. Incorporating the latest generation of Atlas Copco's oil-injected screw element, they provide a long and trouble-free life at the lowest possible operating cost. Variable Speed Drive and energy recovery lead to significant reductions in energy use and cost. GA 90⁺-160⁺ / GA 110-160 VSD compressors are designed, manufactured and tested in accordance with ISO 9001, ISO 14001 and ISO 1217.

Cement industry

Reliability in a dusty environment



Whether compressed air is needed for bag filter houses or plant air for cement silos, absolute reliability in such dusty circumstances is a must. Thanks to their air and oil filtration process for heavy-duty environments, GA 90⁺-160⁺ / GA 110-160 VSD air compressors are designed to keep cement production lines up and running day in, day out.

Mining industry

Effective and highly performant



Compressed air is vital for the mining industry, especially underground where the risk of explosion prevents the use of other types of energy. Applications include dust bag filtration, tool cleaning, service air, ventilation air, and pneumatic tools such as rock drilling hammers and chisels. The effective, highly performant GA air compressors successfully accomplish these tasks even in the harshest conditions.

Process industry

A continuous flow of air



A dependable stream of compressed air is vital to keep production processes up and running at all times. Typical applications include actuation air or cooling air for manufacturing processes. Atlas Copco's GA compressors operate dependably in extreme humidity conditions where high performance levels and reliability are essential. Uptime is maximized, as is the profitability of processes.

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Around 75% of industrial companies use compressed air in their daily operations. This could be for general manufacturing, machinery operation, plant maintenance, cleaning, pneumatic tools and controls, sand- or shot-blasting. Atlas Copco's GA air compressors are designed for ultimate efficiency within all your industrial applications.



Maximum energy efficiency

The innovative design of GA compressors (including screw element, motor, VSD-controlled cooling fans, etc.) reduces your energy and overall compressor lifecycle costs substantially. Variable Speed Drive (VSD) technology reduces energy costs by adjusting the air supply to your air demand. And by installing the optional energy recovery system, you can reduce your costs even further.

Highest reliability

Atlas Copco's GA compressors ensure long and trouble-free lifetime at the lowest operating cost. At their heart are state-of-the-art compression elements based on innovative asymmetric rotor profiles and powered by a high efficiency electric motor. Combined with a built-to-last drive system and heavy duty air inlet filters, this results in maximum reliability to operate in the toughest conditions and at ambient temperatures up to 55°C/131°F.

Keeping your production up and running

GA 90*-160* / GA 110-160 VSD compressors are designed, manufactured and tested to comply with the ISO 9001, ISO 14001 and ISO 1217, guaranteeing maximum uptime. In addition, easily accessible major components, minimal service interventions and long overhaul intervals reduce maintenance time and costs. Integrated Elektronikon®, ES monitoring and advanced control systems are available to optimize the ter goterung entire compressed air system.

Easy installation

GA compressors are delivered as pre-assembled packages. Installation is fault-free, commissioning time is low and no external instrumentation air is required. Simply put the machine on a flat floor, connect the power line and the compressed air outlet, and push the start button. In other words, just plug and run.

Protecting your production

The Full Feature concept includes compressed air and air treatment equipment compactly integrated inside the compressor canopy. This limits the installation costs and space requirements. The aftercooler with integrated water separator immediately removes 100% of the condensate, resulting in higher air quality.

Superior efficiency in an integrated package



State-of-the-art screw element

· Patented asymmetric rotor profile and meticulous bearings selection.

- · Low wear and tear leads to increase reliability.
- · Optimum combination of maximum free air delivery and low energy consumption.

2 High-efficiency motor

- TEFC IP55 motor (Class F insulation B rise) protects against dust and chemicals.
- Continuous operation under severe ambient temperature conditions up to 55°C/131°F (standard up to 46°C/115°F).



3 Heavy-duty air inlet filter

- · 2-stage dust removal system (99.9% for 3 micron).
- · Reduces the dust load in the fine filter, doubling the filter element lifetime without reducing filter efficiency.
- · Increases compressor components lifetime by protecting from wear, even in the dustiest environments.

4 Reliable loading/unloading valve

- · Assures continuous optimized pressure in the system.
- · Designed for lower pressure drops.
- · Simple, maintenance-free structure with few moving parts.

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5 Full Feature package

- Total compressed air system and air treatment equipment integrated inside the compressor canopy.
- · Low space requirements and limited installation costs.

6 High-efficient air/oil separation system

- · 3-stage separation system provides low residual oil content in the compressed air (less than 3 ppm).
- . Low oil consumption ensures low maintenance costs and longer uptime.
- Reduction of pressure drops and energy costs.

7 Aftercooler with integrated water separator

- · Immediately removes 100% of the condensate,

undensate, air than conventional disures worry-free operation. Belektronikon®-controlled drains Increased energy efficiency (no loss of No risk of condensate or work compressed air. · Increased energy efficiency (no loss of compressed air).





9 VSD-driven radial cooling fans

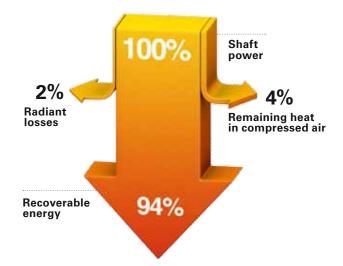
- · Precise fan speed regulation optimizes cooling flow and reduces energy consumption in any conditions.
- Full electromagnetic compatibility (certified to the European Union's EMC, directive 89/336/EEC).
- Increased reliability thanks to the accurate oil temperature control up to 55°C/131°F (standard up to 46°C/115°F).
- · Reduced noise level (up to 71 dB(A)).

Maximize your savings with energy recovery

The Kyoto directives and the continuing depletion of traditional energy sources mean that businesses throughout the world are making commitments to significantly reduce overall energy consumption. Through innovative products and solutions, Atlas Copco helps you achieve your goals in this area. When it comes to compressed air production – where energy costs can constitute 80% of total lifecycle costs – saving energy can also lead to substantial cost savings.

What energy?

Air compression creates heat that is normally wasted in the coolers. Atlas Copco-designed energy recovery systems enable the recovery of most of this heat. Recovery of energy from the shaft input of the compressor can be up to 94% of the compressor shaft power.





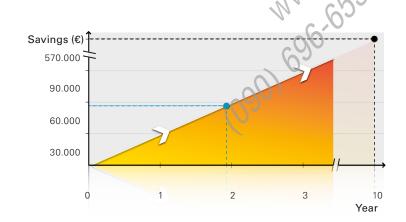
How is the energy recovered?

Energy recovery systems are integrated modules that recover heat which is otherwise wasted. The heat in the form of hot water (85-90°C) is directly usable as a source of energy. The main module of the recovery system is built into the compressor.

Significant savings possible

The illustration indicates the savings possible with this energy recovery solution for a 160 kW compressor running 8,000 hours per year at full load and with full energy recovery. It is based on a fuel cost of €0.55 per liter. Energy is saved wherever the recovered energy is used as an auxiliary source, when it reduces your operating costs. The investment needed to link the hot oil circuit from the compressor to the existing water circuit is relatively modest and the time needed before seeing payback from your investment is generally very short.

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- Investment in equipment (compressor with energy recovery) is paid back in less than 2 years
- Net gain of €570,000 in 10 years*
 - Calculation only includes energy costs, as maintenance will remain approximately the same as for a standard compressor.

Applications for recovered energy

The recovered energy can be used for a number of uses in various industries. Applications can be either intermittent or continuous.

Intermittent, seasonal applications

These applications generally require a low demand for energy. Examples include hot water for space heating, showers and other similar applications.



GA 160+ FF with integrated recovery system

Continuous demand applications

These are more typically process applications where there is a continuous demand for energy use, and can be divided into hot water or steam applications: lietnam

Hot process water

Hot water between 70° and 90°C (160° and 175°F) is required by a number of key industrial processes such as washing/cleaning, sanitizing, freeze protection, cooking in kitchens and canteens, desalination and process heating. The Atlas Copco energy recovery system is capable of continuously delivering hot water at 90°C (175°F) for such processes. A further advantage is that a boiler may no longer be required for such applications, which reduces investment and saves boiler fuel.



GA 160+ FF with integrated recovery system

Process steam

Steam is often preferred to hot water due to its high heat carrying capacity. Steam is used to heat raw materials and treat semifinished products. It is used in sterilization, bleaching and humidification processes, to drive turbines, and as a source of water for many industrial operations and chemical reactions. For such applications, the hot water delivered via the Atlas Copco energy recovery system is passed through a boiler as preheated feed water to generate steam. This results in substantial savings in boiler fuel.



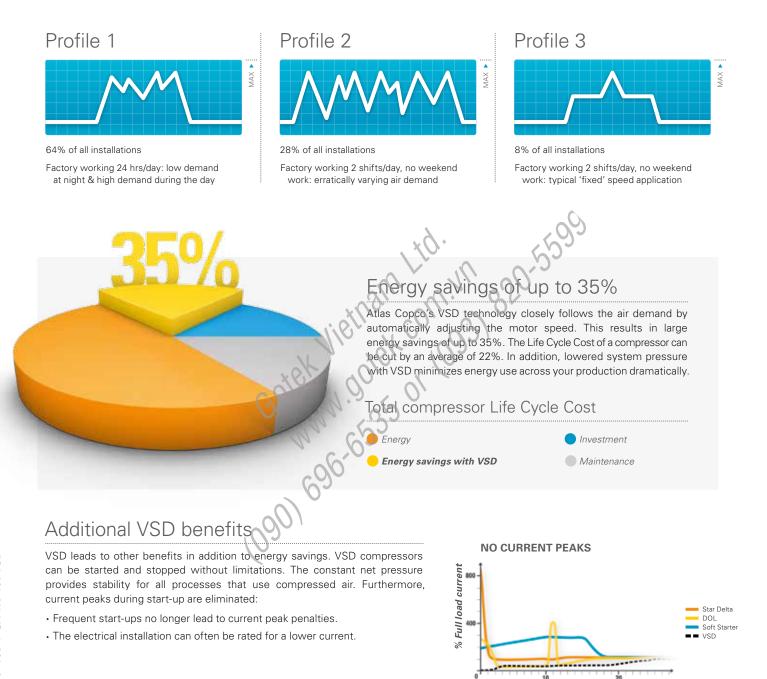
GA 160+ FF with integrated recovery system

VSD: driving down your energy costs

Over 70% of a compressor's lifecycle cost is taken up by the energy it consumes. Moreover, the generation of compressed air can account for more than 40% of a plant's total electricity bill. To cut your energy costs, Atlas Copco pioneered Variable Speed Drive (VSD) technology already for several decades. VSD leads to major energy savings, while protecting the environment for future generations. Thanks to continual investments in this technology, Atlas Copco offers the widest range of integrated VSD compressors on the market.

What is VSD technology?

In almost every production environment, air demand fluctuates depending on different factors (time of the day, week or even month). Extensive measurements and studies of compressed air demand profiles show that many compressors have substantial variations in air demand. Only 8% of all installations have a more stable air demand. Tests prove that, even in this case, VSD compressors save energy.



Seconds

Highly performant VSD technology

The GA VSD reduces energy costs by:

Eliminating the inefficient transition period from full to no load power.

Avoiding excessive off-load power consumption.

Maintaining the net pressure band within 0.10 bar, 1.5 psi.

Reducing overall average working pressure.

Minimizing system leakage due to a lower system pressure.

Increasing flexibility with soft starting gradual motor ramp-up to avoid electricity surges.

Offering flexible pressure selection from 4 to 13 bar with electronic gearing to ensure lowered electricity costs.

Integrated VSD - the smart choice



• The machine is tested for the complete speed range to eliminate any 'speed windows' that could jeopardize the energy savings and the stable net pressure. (Turndown capability of the compressor is maximized to 80-85%.)

 Special attention is given to the electric motor, which is specifically designed for VSD operation (inverter duty motor). Bearings are protected against induced bearing currents and both motor and converter are perfectly tuned to obtain the highest possible efficiency over the entire speed range.

Find out how much you can save

Atlas Copco can help you map the load/air demand profile of your current compressor installation and indicate potential energy savings with VSD compressors. **For more information, please contact your local Atlas Copco representative.**

Step ahead in control and monitoring

The advantages of controlling and monitoring your compressed air system are considerable. They include lower energy costs, reduced maintenance time and costs, and reduced stress on the entire air system. The GA 90⁺-160⁺/GA 110-160 VSD range is fully equipped with the Elektronikon[®], ES and AirConnect[™] systems.

The Elektronikon® controller can be adapted to your specific needs. By controlling the main drive motor and regulating system pressure within a predefined, narrow pressure band, energy efficiency is significantly optimized. Remotely starting, stopping, loading and unloading the compressor also could not be easier: simply push a button. The controller offers simple, central monitoring and can manage up to 4 compressors simultaneously. For optimal ease of use, its display can be set to 27 different languages.



Elektronikon[®] controller

- User-friendly: intuitive navigation system.
- Continuous and accurate monitoring of the compressor's operating parameters
- Reliable, durable keyboard.

Dual pressure set point

The production process creates fluctuating levels of demand which can cause energy losses in low use periods. The Elektronikon® can manually or automatically create two different system pressure bands to optimize energy use and reduce costs at low use times.



ES – Multi-control, multi-benefits

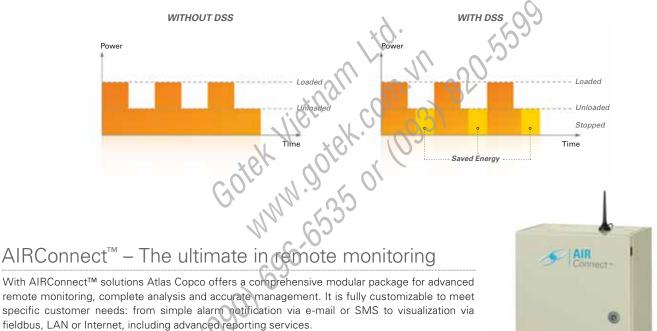


The ES 130 multiple compressor controller optimizes the operation of up to 30 machines. The result is a substantial reduction in system pressure and energy consumption, in addition to minimal compressed air leakage and a more stable pressure across the network. On top of that ES 130 has the following major energy saving features:

- Automatic selection of the most efficient mix of compressors to run.
- · Elimination of blow-off regulation.
- · Continuous electrical power optimization.

Delayed Second Stop

Atlas Copco's sophisticated Delayed Second Stop (DSS) function runs the drive motor of the GA compressor only when needed. The Elektronikon® therefore minimizes drive motor run time while maintaining the desired system pressure. This keeps energy consumption reduced to a minimum.



Integrated quality air to protect your production

Untreated compressed air contains moisture and possibly dirt particles that can damage your air system and contaminate your end product. The resulting maintenance costs far exceed air treatment costs. Our compressors provide clean, dry air that improves your system's reliability, avoiding costly downtime and safeguarding the guality of your products.

All-in-one quality air production

Compressed air coming into contact with your final products should not affect their quality. The GA 90+-160+/GA 110-160 VSD FF provide clean, dry air that will protect the product reputation on the market. Atlas Copco's quality air solutions stand for substantial energy savings all day, every day. Clean, treated air reduces the risk of corrosion and leaks in your compressed air system reducing further down your energy bill. The GA FF is a ready-to-use and compact package. All the wires and pipes are assembled in the factory, so there is no need for additional installation work.

Integrated purity

ensuring quality in your final product.

The filters and integrated refrigerant-type air dryer efficiently remove moisture, aerosols and dirt particles to protect your investment. This quality air expands the lifetime of the equipment, increasing efficiency and



- The unique and patented Saver Cycle Control stops the dryer when the compressor is stopped or in unload mode, drastically reducing the power consumption. The dew point is continuously monitored and the dryer is started again when the dew point starts to increase.
- By adjusting the speed of the refrigerant compressor, the integrated VSD dryer control* provides maximum energy saving in low load conditions.
- The dryers can perform at ambient conditions of up to 46°C/115°F. High ambient temperature version available for temperatures up to 50°C as an option.
- Compressor and dryer are designed to work optimally together to perform smoothly under the most critical conditions.
 * *GA VSD Full Feature only*

gure your GA VSD air quality you need	ISO Quality Class	Dirt Particle Size	Water Pressure Dew Point	Oil Concentration
GA GA	34	3 microns	-	3 ppm
GA FF with ID	3.4.4	3 microns	+3°C, 37°F	3 ppm
GA FF with ID & general purpose coalescing filter	2.4.2	1 micron	+3°C, 37°F	0.1 ppm

The table values reflect the maximum limits according to the temperatures ISO gravity class. Water pressure dew point based on 100% RH at 20°C/68°F.

Optimize your system

Scope of supply

Air circuit

- Heavy-duty air inlet filters and flexibles
- Air intake valve (not on VSD units)
- Full load/no load regulation system (not for VSD)

Oil circuit

- Heavy-duty oil filters
- Complete oil circuit
- Air/oil separator

Cooling circuit

- Compressed air aftercooler and oil cooler
- · Stainless steel tube and Shell coolers for
- water-cooled versions
 VSD cooling fans for air-cooled versions
- · · · ·
- Integrated water separator
- Electronic water drains with no loss of compressed air
- Complete air, oil, water circuit

Electrical components

- TEFC IP55 Class F electric motor
- Starters (Star-Delta)
- Pre-mounted electrical VSD cubicles (only for VSD units)
- Elektronikon[®] control system

Framework

- Flexible vibration dampers
- Silenced canopy
- Structural skid with no need for foundations
- Suppression of emissions/ harmonic distortions

Mechanical approval

- ASME approval
- ▸ CE approval
- Other country specific approvals

Additional features & options

Options		GA 90⁺-160⁺	GA 110-160	GA 110-160 VSD
Full Feature: integrated ID refrigerant dryer		•	•	
Integrated DD pre-filter (only with integrated dryer)				
Integrated energy recovery system				
Separate air intake			.0. •	
Modulation control		• (N 9 •	-
High ambient version (up to 55°C/131°F*)	LU1		·) •	
Phase sequence reply	70.			Standard**
PT1000 Thermal protection in the main motor windings and bearings	<u> </u>			Standard**
Oversized main motor			-	-
Anti-condensation heater in the main motor				-
VSD cabinet heavy duty filtration (applicable for VSDs)		0.1-	-	
Nema 4 cubicle		0.		-
Roto-Xtend Duty fluid 8000h	0.01	-		
NPT conections	5 00	-		
Anchor pads	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
Performance test certificate				
Witnessed performance test				
Material certificates				
Sea worthy packaging				
Rain protection kit)			-
IT/NT network system				
SPM vibration monitoring system				
GSM alarm messaging system				
Automatic water shut of valve for water cooler units				
Thermostatic water regulating valve		-	-	•

* GA Full Feature 50°C/122°F; GA VSD 50°C/122°F; GA fix speed Pack 55°C/131 ** Functionalities integrated in the frequency converter protections

Optional

- Not available



								Jimens	ions										
		A	ir-coo	led Pac	k			Air-c	ooled	Full Fea	ature		Water-cooled Pack & Full Feature						
Compressor type			١	N	ŀ	ł	l	L	v	v	ŀ	ł	l		۷	v	H	ł	
-,,	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	
GA 90+-160+	2600	102	2000	79	2000	79	3200	126	2000	79	2000	79	2600	102	1630	64	2000	79	
GA 110-160	2600	102	2000	79	2000	79	3200	126	2000	79	2000	79	2600	102	1632	64	2000	79	
GA 110-160 VSD	3200	132	2000	79	2000	79	3800	150	2002	79	2347	92	3200	156	1630	64	2347	92	

Technical specifications

GA 90+-160+/GA 110-160/GA 110-160 VSD - 50 Hz

	Max	imum wo	rking press			Capacit		Insta	lled	Noise	Weight						
COMPRESSOR TYPE	Pa	ck	Full Fea	ature ⁽³⁾		Pack			Full Featur	Full Feature		power	Level ⁽²⁾	Pack		Full F	eature
	bar(e)	psig	bar(e)	psig	l/s	m³/min	cfm	l/s	m³/min	cfm	kW	HP	dB(A)	kg	lb	kg	lb
GA 50 Hz																	
GA 90+ - 5.5	5.5	80	5.3	77	330	19.8	699	333	20.0	706	90	125	68	2917	6417	3310	7282
GA 90+ - 7.5	7.5	109	7.3	106	292	17.5	619	293	17.6	621	90	125	68	2917	6417	3310	7282
GA 90+ - 8.5	8.5	123	8.3	120	274	16.4	581	275	16.5	583	90	125	68	2897	6373	3290	7238
GA 90+ - 10	10	145	9.8	142	244	14.6	517	244	14.6	517	90	125	68	2709	5960	3102	6824
GA 90+ - 14	14	203	13.8	200	196	11.8	415	204	12.2	432	90	125	68	2709	5960	3102	6824
GA 110 - 7.5	7.5	109	7.3	106	342	20.5	725	343	20.6	727	110	150	69	2779	6114	3172	6978
GA 110 - 8.5	8.5	123	8.3	120	324	19.4	687	326	19.6	691	110	150	69	2779	6114	3172	6978
GA 110 - 10	10	145	9.8	142	297	17.8	629	297	21.4	754	110	150	69	2759	6070	3152	6934
GA 110+ - 5.5	5.5	80	5.3	77	401	24.1	850	404	24.2	856	110	150	69	2967	6527	3360	7392
GA 110+ - 7.5	7.5	109	7.3	106	356	21.4	754	357	21.4	756	110	150	69	2967	6527	3360	7392
GA 110+ - 8.5	8.5	123	8.3	120	337	20.2	714	338	20.3	716	110	150	69	2967	6527	3360	7392
GA 110+ - 10	10	145	9.8	142	306	23.8	839	306	18.4	648	110	150	69	2947	6483	3340	7348
GA 110+ - 14	14	203	13.8	200	245	14.7	519	252	15.1	534	110	150	69	2759	6070	3152	6934
GA 132 - 7.5	7.5	109	7.3	106	405	24.3	858	406	24.4	860	132	175	70	3134	6895	3527	7759
GA 132 - 8.5	8.5	123	8.3	120	385	23.1	816	386	23.2	818	132	175	70	3134	6895	3527	7759
GA 132 - 10	10	145	9.8	142	356	21.4	754	356	21.4	754	132	175	70	3114	6851	3507	7715
GA 132+ - 5.5	5.5	80	5.3	77	471	28.3	998	475	28.5	1006	132	175	70	3271	7196	3644	8017
GA 132+ - 7.5	7.5	109	7.3	106	424	25.4	898	425	25.5	901	132	175	70	3251	7152	3644	8017
GA 132 ⁺ - 8.5	8.5	123	8.3	120	401	24.1	850	402	24.1	852	132	175	70	3251	7152	3644	8017
GA 132 ⁺ - 10	10	145	9.8	142	368	22.1	780	368	22.1	780	132	175	70	3237	7121	3630	7986
GA 132+ - 14	14	203	13.8	200	295	17.7	625	301	18.1	638	132	175	70	3049	6708	3442	7572
GA 160 - 7.5	7.5	109	7.3	106	505	30.3	1070	506	30.4	1072	160	215	71	3361	7394	3754	8259
GA 160 - 8.5	8.5	123	8.3	120	480	28.8	1017	481	28.9	1019	160	215	71	3341	7350	3734	8215
GA 160 - 10	10	145	9.8	142	443	26.6	939	443	26.6	939	160	215	71	3341	7350	3734	8215
GA 160 ⁺ - 10	10	145	9.8	142	443	26.6	939	443	26.6	939	160	215	71	3341	7350	3734	8215
GA 160+ - 14	14	203	13.8	200	362	21.7	767	369	22.1	782	160	215	71	3327	7319	3720	8184
	Ma	aximum v	vorking pre	essure ⁽⁴⁾			Capacity	FAD ⁽¹⁾		Inc	stalled	Noise			Weig	ht	
COMPRESSOR TYPF		aximum w 'ack		essure ⁽⁴⁾ I Feature ⁽³	s)		Capacity ack / Full	_			stalled or power	Noise Level		Pack	Weig	ht Full Fe	ature
COMPRESSOR TYPE				I Feature ⁽³				Feature	cfm				(2)	Pack g	Weig Ib		ature Ib
ТҮРЕ	Р	ack	Ful	I Feature ⁽³		Pa	ack / Full I	Feature	cfm	moto	or power	Level	(2)			Full Fe	
TYPE GA VSD 50 Hz	P bar(e)	Pack psig	Ful bar(e)	l Feature ^{(s}) ps	ig	P: I/s	ack / Full I m³/mi	Feature n		kW	or power HP	Level dB(A) k	a	lb	Full Fe kg	lb
	Р	ack	Ful	I Feature ⁽³	ig .5	Pa	ack / Full I	Feature n	cfm 203 - 873 198 - 782	moto	or power	Level) k	a		Full Fe	
TYPE GA VSD 50 Hz	P bar(e) 3.5	Pack psig	Ful bar(e)	l Feature ⁽³) ps 72	ig .5 12	P: I/s 96 - 412	ack / Full I m³/mi 5.8 - 24	Feature n	203 - 873	kW 110	br power HP 150	Level dB(A 71) k	g 94 94	8585	Full Fe kg 4154	Ib 9158
TYPE GA VSD 50 Hz	P bar(e) 3.5 7	Pack psig	Ful bar(e) 5 7	I Feature ^{(s}) ps 72	ig .5 12 6	Pa I/s 96 - 412 93 - 369	ack / Full I m³/mi 5.8 - 24 5.6 - 22	Feature n 1.7 2.1).9	203 - 873 198 - 782		Power HP 150 150	Level dB(A 71 71) k	g 94 94 94	8585 8585	Full Fe kg 4154 4154	Ib 9158 9158
ТҮРЕ GA VSD 50 Hz GA 110 VSD - 8.5	P bar(e) 3.5 7 8	rack psig 72.5 102 116	Ful bar(e) 5 7 8	I Feature ⁽⁵) ps 72 72 10	ig .5 12 6 7	Pa I/s 96 - 412 93 - 369 92 - 348	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20	Feature n 1.7 2.1 1.9 3.3	203 - 873 198 - 782 194 - 737		Image: power HP 150 150 150	Level dB(A 71 71 71) k 38 38 38	g 94 94 94 94	8585 8585 8585	Full Fe kg 4154 4154 4154	lb 9158 9158 9158
ТҮРЕ GA VSD 50 Hz GA 110 VSD - 8.5	P bar(e) 3.5 7 8 6	rack psig 72.5 102 116 87	5 7 8 6	I Feature ⁽³) ps 72 10 11 8	ig .5 12 6 7 6	P: 1/s 96 - 412 93 - 369 92 - 348 95 - 389	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23	Feature n 1.7 2.1 0.9 3.3 0.9	203 - 873 198 - 782 194 - 737 201 - 824	moto kW 110 110 110 110	HP 150 150 150 150 150	Level dB(A 71 71 71 71	(2)) k 38 38 38 38 38	g 94 94 94 94 94 94	8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154	Ib 9158 9158 9158 9158 9158
ТҮРЕ GA VSD 50 Hz GA 110 VSD - 8.5	P bar(e) 3.5 7 8 6 8 8	Pack psig 72.5 102 116 87 116	Ful bar(e) 5 7 8 6 8	I Feature ⁽³) ps 72 10 11 8 11	ig .5 .2 6 7 6 8 8	Pr 1/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20	Feature n 1.7 2.1 0.9 3.3 0.9 0.9 0.9 0.9	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813	moto kW 110 110 110 110 110	HP 150 150 150 150 150 150 150 150 150	Level dB(A 71 71 71 71 71 71	(2)) k 38 38 38 38 38 38	g 94 94 94 94 94 94 94	Ib Ib 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154	lb 9158 9158 9158 9158 9158 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10	P bar(e) 3.5 7 8 6 8 8 9.5	Pack psig 72.5 102 116 87 116 138	Ful bar(e) 5 7 8 6 8 9.5	l Feature ⁽⁵) ps 72 100 111 8 111 13	ig .5 .2 6 7 6 8 8 8	I/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.5 - 20 5.7 - 19	Feature n 1.7 2.1 0.9 3.3 0.9 0.9 0.3 1.3 8.8	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682	110 KW 110 110 110 110 110 110	HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150	Level dB(A 71 71 71 71 71 71 71 71	(2)) k 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94	Ib Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154	lb 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10	P bar(e) 3.5 7 8 6 8 6 8 9.5 9	rack psig 72.5 102 116 87 116 138 131	Ful bar(e) 5 7 8 6 8 9.5 9	l Feature ⁽³⁾ ps 72 10 11 8 11 13 13 13	ig .5 .2 6 7 6 .8 8 11 5	I/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19	Feature n 1.7 2.1 0.9 3.3 0.9 0.3 8 8 8.8	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110	HP 150 150 150 150 150 150 150 150 150	Level dB(A 71 71 71 71 71 71 71 71 71	22) k 38 38 38 38 38 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94	Ib I 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	lb 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14	P bar(e) 3.5 7 8 6 8 8 9.5 9 10	rack psig 72.5 102 116 87 116 138 131 145	Ful bar(e) 5 7 8 6 8 9.5 9 10	l Feature ⁽⁵) ps 72 100 111 88 111 13 133 134	ig .5 .2 6 7 6 .8 8 .1 1 .5 .5 .6	P: 1/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314	ack / Full I m [*] /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19 5.2 - 18	Feature n 1.7 2.1 1.9 3.3 0.9 0.3 3.8 8.8 5.4	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665	mote kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110	HP 150 150 150 150 150 150 150 150 150 150	Level dB(A 71 71 71 71 71 71 71 71 71 71) k 38 38 38 38 38 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94	8585 8585 8585 8585 8585 8585 8585 858	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	lb 9158 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14	P bar(e) 3.5 7 8 6 6 8 9.5 9 10 13.5	rack psig 72.5 102 116 87 116 138 131 145 196	Ful bar(e) 5 7 8 8 6 8 9.5 9 10 13.5	I Feature ⁽⁵) ps 72 100 111 8 113 13 13 13 14 14	ig .5 .2 6 6 7 7 6 6 88 88 11 55 6 6 1	96 412 93 369 92 348 95 389 92 348 88 322 90 330 87-314 74-256	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19 5.2 - 16 4.5 - 15	Feature n 1.7 2.1 0.9 3.3 0.9 0.3 3.3 0.9 0.3 8.8 8.8 0.4 2.3	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542	moto kW 110 110 110 110 110 110 110 110 110 11	HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150	Level dB(A 71 71 71 71 71 71 71 71 71 71 71	22) k 388 389 389 389 389 389 389 389 389 389	94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 93 94	8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	lb 9158 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5	rack psig 72.5 102 116 87 116 138 131 145 196 51	Ful bar(e) 5 7 8 6 8 9 9 10 13.5 3.5	I Feature ⁽⁵) ps 72 100 111 88 111 133 133 14 14 195 5	ig .5 .2 6 6 .7 .6 .8 8 .8 .1 1 .5 .5 .6 6 .1 .2 .2	P: 1/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539	ack / Full I m³/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19 5.2 - 16 4.5 - 15 5.8 - 32	Feature n 1.7 2.1 0.9 3.3 0.9 0.3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142	mote kW 110 110 110 110 110 110 110 110 110 11	Power HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 68	22) k 388 389 389 389 389 389 389 389 389 389	g 94 94 94 94 94 94 94 94 94 94 94 30 20 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5	P bar(e) 3.5 7 8 8 6 6 8 9.5 9 10 13.5 3.5 7	rack 72.5 102 116 87 116 138 131 145 196 51 102	Ful bar(e) 5 7 8 8 6 8 8 9 5 9 10 135 3.5 7	I Feature ⁽³) ps 72 100 111 88 111 13 133 144 195 5 100	ig .5 .2 .6 .7 .6 .8 .8 .11 .5 .5 .16 .1 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457	ack / Full I m?mi 5.8 - 24 5.6 - 22 5.5 - 22 5.7 - 22 5.7 - 22 5.5 - 20 5.3 - 19 5.4 - 19 5.2 - 19 4.5 - 15 5.8 - 32 5.8 - 32 5.6 - 27	Feature n 1.7 2.1 0.9 3.3 0.9 0.3 8.8 0.4 2.3 7.4 5.1	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 968	mote kW 110 110 110 110 110 110 110 110 110 11	Power HP 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	22) k 38 38 38 38 38 38 38 38 38 38	g 94 94 94 94 94 94 94 94 94 94 94 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248	Ib 9158 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5	P bar(e) 3.5 7 8 6 6 8 9 9 10 13.5 3.5 7 7 8	rest ack psig 72.5 102 116 87 116 138 131 145 196 51 102 116	Ful bar(e) 5 7 8 8 6 8 8 9 5 9 10 13.5 3.5 7 7 8	I Feature ⁽⁵⁾ ps 72 100 111 88 111 133 133 144 195 5 100 111	ig .5 12 6 7 6 88 11 15 16 11 12 6 7 7 12 12 12 12 13 14 15 15 12 12 14 15 15 15 15 15 15 15 15 15 15	P: U/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435	ack / Full I m ² /mi 5.8 - 24 5.6 - 22 5.5 - 22 5.5 - 22 5.5 - 22 5.3 - 19 5.4 - 19 5.4 - 19 5.4 - 19 5.4 - 19 5.8 - 32 5.6 - 27 5.5 - 26	Feature n 1.7 2.1 0.9 3.3 0.9 0.3 8 8 8 3.8 0.4 2.3 2.3 1 4.4 3.1 3.9	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922	mote kW 110 110 110 110 110 110 110 110 110 11	Power HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 68 68 68	22) k 38 38 38 38 38 38 38 38 38 38	g4 94 94 94 94 94 94 94 94 94 94 93 94 93 94 93 94 93 94 94 93 30 30 30	Ib 8585 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5	P bar(e) 3.5 7 8 6 8 9.5 8 9 10 13.5 3.5 7 8 8 6	resign 72.5 102 116 87 118 131 145 196 51 102 116 87	Full bar(e) 5 7 8 6 8 9 10 13.5 7 8 6	I Feature ⁽³⁾ ps 72 72 10 11 8 11 13 13 13 14 19 5 10 11 8 8 11 1 1 1 1 1 1 1 1 1 1 1 1 1	ig .5 .2 6 7 6 .8 88 .1 .5 .6 6 .1 .2 .6 .7 .7 .6 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .6 .7 .7 .7 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 481	ack / Full I m ⁴ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 22 5.5 - 20 5.3 - 19 5.4 - 19 5.4 - 19 5.4 - 19 5.4 - 19 5.8 - 32 5.6 - 32 5.6 - 22 5.6 - 26 5.6 - 26 5.5 - 20 5.5 - 20 5.6 - 20 5.7 - 20 5.7 - 20 5.7 - 20 5.7 - 20 5.7 - 20 5.7 - 20 5.6 - 20 5.7 - 20 5.7 - 20 5.7 - 20 5.6 - 20 5.7	Feature n 1.7 2.1 0.9 3.3 0.9 3.3 0.9 3.3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 588 193 - 922 199 - 1019	mote kW 110 110 110 110 110 110 110 11	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 68 68 68 68 68	(2) (2) (3) (3) (3) (3) (3) (3) (3) (3	g 94 94 94 94 94 94 94 94 94 30 30 30 30 30 30 30	Ib 8585 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 8 6 8 9.5 9 9 10 13.5 3.5 7 7 8 8 6 8	ack psig 72.5 102 116 87 116 138 131 145 51 196 51 102 116 87 116	Ful bar(e) 5 7 7 8 6 8 9 9 9 10 13.5 3.5 7 8 8 6 8 8	I Feature ⁽³⁾ ps 72 10 10 11 8 11 13 13 13 14 19 5 10 11 8 8 11 1 8 11 1 1 1 1 1 1 1 1 1 1	ig .5 .2 6 7 6 .8 88 .1 .5 .6 .5 .6 .5 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .6 .6 .7 .7 .7 .6 .7 .7 .7 .6 .7 .7 .7 .7 .7 .7 .7 .7 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435	ack / Full I m ⁴ /mi 5.8 - 24 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.4 - 19 5.2 - 10 4.5 - 15 5.8 - 32 5.6 - 22 5.5 - 22	Feature n 1.7 2.1 0.9 3.3 0.9 3.3 0.9 3.3 3.8 0.4 2.3 2.4 2.4 0.1 0.9 0.1 0.1 0.9 0.1 0.1 0.9 0.1 0.1 0.1 0.1 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 689 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922	mote kW 110 110 110 110 110 110 110 11	Power HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 68 68 68 68 68	22) k 38 38 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94 94 94 94 94 94 93 94 94 94 93 94 93 94 94 94 930 300 300 300 300 300	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4288 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6 6 8 9.5	ack psig 72.5 102 116 87 116 138 131 145 196 51 102 116 87 116 138 131 145 196 51 102 116 116 116 138 131 146 138 131 146 138 131 146 138 138 131 146 138 138 138 138 138 138 138 138	Ful bar(e) 5 7 7 8 6 8 9 9 10 13.5 3.5 7 8 6 6 8 9 9 10 0 13.5 3.5 7 8 8 6 8 9 9 10	I Feature ⁽³) 72 100 111 88 111 133 133 144 195 5 100 111 88 111 133 144 144 144 153 103 104 111 114 115 100 100 100 100 100 100 100	ig .5 .2 .5 .5 .6 .7 .6 .8 .1 .5 .6 .1 .5 .6 .7 .6 .7 .6 .5 .5 .5 .5 .6 .7 .6 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .7 .6 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 93 - 445 89 - 403	ack / Full I m²/mi 5.8 - 24 5.8 - 24 5.6 - 22 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 16 5.4 - 19 5.2 - 11 5.8 - 32 5.6 - 27 5.5 - 26 5.5 - 26 5.5 - 26 5.5 - 26 5.3 - 24	Feature n 1.7 2.1 1.9 3.3 0.9 3.3 8 8 8 8 8 8 8 8 8 8 8 8 8 9 1 1 1 1 1 1	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 986 193 - 822 199 - 1019 193 - 922 189 - 854 194 - 854 195 - 828	mote kW 110 110 110 110 110 110 110 11	Power HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	 k k	94 94 94 94 94 94 94 94 94 94 94 94 94 94 93 94 94 94 93 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 8 6 8 9.5 9 10 13.5 3.5 7 8 8 6 8 8 9.5 9 9	ack psig 72.5 102 116 87 116 138 131 145 51 102 116 51 102 116 87 116 87 116 138 131	Ful bar(e) 7 8 6 8 9 5 9 10 10 1355 3.5 7 8 6 8 8 9 5 9 9 10 1355 3.5 7 8 8 9 9 9 10 1355 9 9 10 10 1355 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	I Feature ⁽³⁾ ps 72 100 101 111 88 111 133 133 14 19 5 100 111 88 111 133 133 14 19 111 133 133 14 19 111 133 133 14 19 111 133 133 14 19 111 133 133 14 19 11 11 133 133 14 19 11 11 133 133 14 19 11 11 133 14 19 11 11 133 14 19 11 11 13 13 14 19 11 11 13 13 14 19 11 11 13 13 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 19 14 14 14 19 14 14 14 19 14 14 14 14 14 14 14 14 14 14 14 14 14	ig .5 .2 .5 .5 .6 .7 .6 .8 .1 .5 .6 .1 .5 .6 .7 .6 .7 .6 .5 .5 .5 .5 .6 .7 .6 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .7 .6 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P I/s 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 481 91 435 88 - 403 90 - 412	ack / Full I m²/mi 5.8 - 24 5.6 - 22 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19 5.8 - 32 5.6 - 22 5.7 - 23 5.5 - 20 5.8 - 32 5.6 - 27 5.5 - 26 5.6 - 27 5.5 - 26 5.5 - 26 5.5 - 26 5.3 - 24 5.4 - 24	Feature n 1.7 2.1 0.9 0.3 0.4 0.3 0.9 0.3 0.9 0.3 0.9 0.3 0.9 0.3 0.4 0.3 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 205 - 1142 193 - 928 193 - 922 199 - 1019 193 - 922 189 - 854 191 - 873	mote kW 110 110 110 110 110 110 110 11	Power 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175 175 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	22) k 38 38 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94 94 93 94 94 94 93 94 94 93 300 300 300 300 300 300 300 300 300 300	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10 GA 132 VSD - 10	P bar(e) 3.5 7 8 6 8 9 9 10 13.5 3.5 7 7 8 6 8 6 8 9.5 9 9 10	ack psig 72.5 102 116 87 116 138 131 145 51 102 51 102 51 102 116 87 116 87 116 138 131 145	Full bar(e) 5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6 8 9.5 9 10 13.5 7.7 8 6 8 9.5 9 10	I Feature ⁽³) 72 100 111 88 111 133 133 144 195 5 100 111 88 111 133 144 144 144 153 103 104 111 114 115 100 100 100 100 100 100 100	ig .5 .2 .5 .6 .7 .6 .8 .8 .1 .5 .5 .6 .1 .2 .6 .7 .6 .8 .8 .1 .5 .5 .6 .6 .8 .8 .1 .5 .5 .6 .6 .8 .8 .9 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	P: Us 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435 96 - 403 90 - 412 88 - 393 81 - 325 97 - 572	ack / Full I m*/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.2 - 19 4.5 - 15 5.4 - 19 5.2 - 19 4.5 - 15 5.8 - 22 5.6 - 22 5.5 - 26 5.8 - 22 5.5 - 26 5.3 - 24 5.3 - 24 5.3 - 24 5.3 - 24 5.3 - 24 5.3 - 23 5.3 - 23 5.4 - 24 5.5 - 26 5.5 - 26 5.5 - 26 5.6 - 22 5.5 - 26 5.6 - 22 5.6 - 22 5.5 - 26 5.6 - 22 5.6 - 22 5.5 - 26 5.6 - 22 5.6 - 22 5.5 - 26 5.6 - 22 5.5 - 26 5.3 - 24 5.5 - 26 5.6 - 22 5.5 - 26 5.3 - 24 5.5 - 26 5.5 - 26 5.	Feature n 1.7 1.1 1.9 1.9 1.9 1.9 1.9 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 986 193 - 822 199 - 1019 193 - 922 189 - 854 194 - 854 195 - 828	mote kW 110 110 110 110 110 110 110 11	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	22) k 38 38 38 38 38 38 38 38 38 38	94 94 94 94 94 94 94 94 94 94 93 94 94 94 93 94 94 93 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10 GA 132 VSD - 10	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6 6 8 9.5 9 9.5 9 9.10 13.5	resign 72.5 102 116 87 116 133 131 145 196 51 102 116 87 116 87 116 133 131 145 96 116 138 131 145 196	Full bar(e) 5 7 8 6 8 9 10 13.5 7 8 6 8 9 10 13.5 9 10 13.5	l Feature ⁽³) 72 100 111 8 111 13 133 133 144 15 100 111 8 8 100 111 111 8 133 143 144 15 100 100 100 100 100 100 100	ig .5 .2 6 6 .7 6 .8 .8 .8 .8 .1 .5 .6 .1 .2 .6 .5 .6 .7 .6 .8 .7 .6 .8 .8 .1 .5 .5 .6 .8 .6 .7 .6 .6 .6 .7 .7 .6 .6 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .6 .6 .7 .7 .7 .6 .7 .7 .7 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435 94 - 481 91 - 435 98 - 403 90 - 412 88 - 393 81 - 325	ack / Full I m ⁴ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 22 5.5 - 20 5.3 - 19 5.2 - 19 5.2 - 19 5.2 - 19 5.2 - 19 5.8 - 32 5.6 - 22 5.6 - 22 5.6 - 22 5.5 - 20 5.8 - 32 5.6 - 22 5.5 - 20 5.8 - 32 5.6 - 22 5.6 - 22 5.8 - 32 5.6 - 22 5.8 - 32 5.6 - 22 5.8 - 32 5.6 - 22 5.8 - 32 5.6 - 22 5.6 - 22 5.8 - 32 5.6 - 22 5.6 - 22 5.7 - 22 5.6 - 22 5.6 - 22 5.7 - 22 5.4 - 24 5.4	Feature n 1.7 1.1 1.9 3.3 1.9 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922 189 - 864 191 - 873 186 - 828 172 - 689 172 - 689 206 - 1212 197 - 1144	mote kW 110 110 110 110 110 110 110 11	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	 k k	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10 GA 132 VSD - 10	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 7 8 8 6 6 8 9.5 9 10 13.5 3.5	ack psig 72.5 102 116 87 116 138 131 145 51 102 116 87 116 87 116 87 116 138 131 145 51	Ful bar(e) 5 7 7 8 6 8 8 9 9 10 13.5 3.5 7 8 8 6 8 8 6 8 8 9 9 10 13.5 9 9 10 13.5 3.5 9 10 13.5 3.5	l Feature ⁽³⁾ 72 100 72 100 111 8 13 13 14 15 5 100 111 13 14 14 13 13 14 14	ig .5 .5 6 6 7 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	P: Us 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435 96 - 403 90 - 412 88 - 393 81 - 325 97 - 572	ack / Full I m ⁴ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.4 - 19 5.8 - 32 5.6 - 27 5.5 - 26 5.5 - 20 5.5 - 20	Feature n 1.7 2.1 1.9 3.3 1.9 3.3 1.9 3.3 1.9 3.3 1.3 1.3 1.3 1.4 1.1 1.2 1.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	203 - 873 198 - 782 194 - 707 201 - 824 194 - 813 187 - 682 190 - 689 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922 199 - 1019 193 - 922 188 - 828 172 - 689 206 - 1212	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 132 <td>Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 175</td> <td>Level dB(A 71 71 71 71 71 71 71 71 71 71</td> <td> k k</td> <td>g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30</td> <td>Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 <!--</td--><td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td><td>Ib 9158 <!--</td--></td></td>	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	 k k	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td> <td>Ib 9158 <!--</td--></td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 </td
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6 6 8 9 9 10 13.5 3.5 7 7 8 7 7	resig 72.5 102 116 87 116 131 145 196 51 102 116 138 131 145 196 51 102 116 87 116 97 116 138 131 145 196 51 102 102	Ful bar(e) 5 7 7 8 6 8 9 9 10 13.5 3.5 7 8 6 6 8 9 9 10 13.5 3.5 9 9 10 13.5 3.5 7 7 7 7	I Feature ⁽³⁾ ps 72 100 10 11 8 11 13 13 13 14 19 5 10 11 8 11 13 13 14 19 5 10 11 8 11 13 13 14 19 5 5 10 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ig .5 2 6 6 7 6 6 8 8 11 2 5 6 6 7 6 6 8 8 11 2 2 6 6 1 2 2 6 6	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 93 - 457 91 - 435 94 - 481 91 - 435 89 - 403 90 - 412 88 - 393 81 - 325 97 - 572 93 - 540	ack / Full I m ² /mi 5.8 - 24 5.6 - 22 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.5 - 22 5.7 - 23 5.4 - 19 5.2 - 10 4.5 - 15 5.8 - 32 5.6 - 27 5.5 - 26 5.3 - 24 5.5 - 26 5.3 - 24 5.3 - 24 5.5 - 26 5.5 - 26	Feature n 1.7 2.1 9.9 3.3 3.3 9.9 3.3 3.3 3.3 3.3 3.3 3.3	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922 189 - 864 191 - 873 186 - 828 172 - 689 172 - 689 206 - 1212 197 - 1144	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 132 160 160	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	P R 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 39 39 39 <td< td=""><td>g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30</td><td>Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646</td><td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td><td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346</td></td<>	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 7 8 8 6 8 8 9.5 9 10 13.5 3.5 7 8 8 8 8 8 9.5 9 10 7 8 8 8 8 8 9.5 9 7 8 8 8 8 8 8 8 8 9 5 9 7 8 8 8 8 8 8 8 8 9 5 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	rz.5 72.5 102 116 87 116 138 131 145 51 102 116 87 116 87 116 51 102 116 87 116 87 116 51 122 131 145 196 51 102 116	Ful bar(e) 5 7 8 6 8 9 100 13.5 3.5 7 8 6 8 9.5 9 100 13.5 3.5 7 8 9.5 9 100 13.5 3.5 7 8	I Feature ⁽³⁾ ps 72 100 101 111 8 8 111 13 13 13 14 19 5 10 111 13 13 13 14 19 5 5 100 111 19 5 5 100 101 11 19 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	ig .5 22 6 7 6 8 8 11 5 5 6 6 7 6 8 8 1 1 2 6 6 7 6 6 7 6 6 6 7 7 6 6 7 7 6 6 7 7 6 6 7 7 6 6 7 7 6 6 7 7 7 6 6 7 7 7 6 6 7 7 7 7 6 6 7 7 7 7 7 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 481 91 - 435 89 - 403 90 - 412 88 - 393 81 - 325 93 - 540 91 - 515 94 - 515 95 - 515 95 - 515 97 - 522 97 - 522	ack / Full I m ³ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.4 - 19 5.4 - 19 5.4 - 19 5.8 - 32 5.6 - 22 5.5 - 20 5.8 - 32 5.6 - 22 5.5 - 20 5.5 - 20 5.8 - 32 5.5 - 20 5.8 - 32 5.5 - 20 5.8 - 32 5.5 - 20 5.8 - 32 5.8 - 32 5.8 - 32 5.5 - 30	Feature n 1.7 1.9 1.9 1.9 1.9 1.9 1.3 1.9 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	203 - 873 198 - 782 194 - 737 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 588 193 - 922 198 - 844 191 - 873 188 - 828 172 - 689 206 - 1212 187 - 1124 197 - 1144 197 - 1144 197 - 1144 197 - 1144 193 - 1091	mote kW 110 110 110 110 110 110 110 11	Prover 150 150 150 150 150 150 150 150 150 150 150 150 150 175 215	Level dB(A 71 71 71 71 71 71 71 71 71 71	22) k 38 38 38 38 38 38 38 38 38 38	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346</td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 8.5 GA 132 VSD - 10	P bar(e) 3.5 7 8 6 8 9 9 10 13.5 3.5 7 8 8 6 8 9 9 10 13.5 3.5 7 7 8 8 6 8 8 9 9 10 13.5 7 8 8 6 8 8 9 9 5 7 8 8 6 8 8 9 9 7 8 8 8 9 9 7 8 8 8 8 9 9 9 10 10 13.5 7 8 8 8 9 9 10 10 13.5 7 8 8 8 8 9 9 10 10 13.5 7 8 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	resign 72.5 102 116 87 118 131 145 196 51 102 116 331 145 196 51 102 116 87 118 133 131 145 196 51 196 51 102 116 87	Full bar(e) 5 7 8 6 8 9 10 13.5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6. 9 10 13.5 3.5 7 8 6	I Feature ⁽³) 72 100 72 100 111 88 111 133 134 144 195 5 100 111 88 111 133 144 155 100 111 88 111 133 144 155 100 101 111 133 144 155 100 101 101 101 101 101 101	ig .5 .5 .2 .6 .6 .7 .6 .8 .8 .1 .1 .5 .6 .6 .7 .6 .8 .8 .1 .1 .2 .2 .6 .5 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .6 .6 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7	P: Vs 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435 94 - 481 91 - 435 94 - 481 90 - 412 88 - 393 81 - 325 93 - 572 93 - 540 91 - 515 94 - 566	ack / Full I m*/mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.3 - 19 5.2 - 19 4.5 - 19 5.2 - 19 4.5 - 15 5.6 - 22 5.6 - 22 5.6 - 22 5.3 - 23 5.6 - 22 5.3 - 23 5.6 - 22 5.3 - 24 5.8 - 34 5.8 - 34 5.5 -	Feature n 1.7 1.1 1.9 1.9 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 562 206 - 1142 197 - 586 193 - 822 199 - 1019 193 - 822 189 - 854 172 - 689 206 - 1212 197 - 1144 193 - 1199	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132 160 160 160	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	22)	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 </td
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5 7 8 6 6 8 9.5 9 9.5 9 9.10 13.5 3.5 7 7 8 8 6 8 8 9.5 5 8 8 9.5 7 8 8 6 8 8 9.5 7 7 8 8 6 8 8 9 7 7 8 8 6 8 8 9 9 10 13.5 7 7 8 8 6 8 8 9 9 10 13.5 7 7 8 8 8 8 8 9 9 10 13.5 7 7 8 8 8 8 9 9 10 10 13.5 7 7 8 8 8 8 9 9 10 10 13.5 7 7 8 8 8 9 9 10 10 13.5 7 7 8 8 8 9 9 10 10 13.5 7 7 8 8 8 9 9 10 11 13.5 7 7 8 8 9 9 10 11 13.5 7 7 8 8 8 9 9 10 11 13.5 7 7 8 8 8 9 9 10 11 13.5 7 7 8 8 9 9 10 11 13.5 7 7 8 8 8 9 9 10 11 13.5 7 7 8 8 8 9 9 10 11 13.5 7 7 8 8 8 9 9 10 11 13.5 7 8 9 9 10 11 3.5 7 7 8 8 8 9 9 10 11 3.5 7 7 8 8 8 9 9 10 11 3.5 7 7 8 8 8 9 9 10 10 13.5 7 7 8 8 8 9 9 10 10 13.5 7 8 8 8 9 9 10 10 10 10 13.5 8 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	resign 72.5 102 116 87 116 133 131 145 196 51 102 116 87 116 133 131 145 96 51 102 116 133 131 145 196 51 102 116 87 116 87 116 87 116	Ful bar(e) 5 7 8 6 8 9 10 13.5 3.5 7 8 6 8 9 10 13.5 3.5 7 8 6 8 9 10.13.5 3.5 7 8 6 8 6 8 6 8 6	I Feature ⁽³) ps 72 100 111 88 111 13 133 133 14 14 19 5 5 100 111 88 13 13 14 14 15 5 100 14 15 10 111 88 111 111 88 111 111 111 111 11	ig .5 .5 6 6 7 6 6 8 8 8 8 8 8 8 1 1 2 6 6 7 6 6 8 8 8 1 1 2 2 6 6 7 7 6 8 8 8 1 1 2 2 6 6 7 7 6 8 8 11 1 2 2 8 8 11 11 2 8 8 11 11 11 11 11 11 11 11 11 11 11 11	P: Us 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 97 - 539 93 - 457 91 - 435 94 - 481 91 - 435 94 - 481 91 - 435 92 - 412 88 - 393 81 - 325 97 - 572 93 - 540 91 - 515 94 - 566 91 - 515	ack / Full I m ⁴ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 22 5.5 - 20 5.3 - 19 5.4 - 19 5.2 - 19 5.8 - 32 5.6 - 22 5.6 - 22 5.6 - 22 5.6 - 22 5.7 - 23 5.7 - 23 5.4 - 19 5.2 - 19 5.8 - 32 5.6 - 22 5.5 - 20 5.5 - 20 5.5 - 20 5.8 - 32 5.6 - 22 5.5 - 20 5.5 - 20 5.5 - 20 5.8 - 32 5.8 - 32 5.5 - 30 5.5	Feature n 1.7 1.9 1.3 1.9 1.3 1.9 1.3 1.3 1.3 1.3 1.4 1.3 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	203 - 873 198 - 782 194 - 797 201 - 824 194 - 813 187 - 682 187 - 682 206 - 142 193 - 922 199 - 1019 193 - 922 199 - 1019 193 - 922 199 - 1019 193 - 823 172 - 689 206 - 1212 197 - 1144 193 - 1091 193 - 1091	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132 160 160 160 160	Provee HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	 k k	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 <!--</td--></td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 </td
TYPE GA VSD 50 Hz GA 110 VSD - 8.5 GA 110 VSD - 10 GA 110 VSD - 14 GA 132 VSD - 14 GA 132 VSD - 10 GA 132 VSD - 10 GA 132 VSD - 11 GA 132 VSD - 10 GA 132 VSD - 10 GA 160 VSD - 8.5 GA 160 VSD - 10	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 7 8 6 6 8 9.5 9 10 13.5 3.5 7 8 8 6 8 9.5 3.5 7 8 8 6 8 8 9.5 5 9 10	resign 72.5 102 116 87 116 131 145 196 51 102 116 87 116 51 102 116 87 116 51 102 116 53 105 51 102 116 87 116 138 116 137 116 311 145 196 51 102 116 87 116 33	Ful bar(e) 7 7 8 6 8 9 10 13.5 7 8 6 8 9 10 13.5 7 8 6 8 9.5 9 100 13.5 3.5 7 8 6 8 6 8 9.5	I Feature ⁽³⁾ 72 100 111 8 111 13 13 14 19 5 100 111 8 8 111 13 13 14 19 5 100 111 8 8 111 13 13 14 19 5 100 111 8 11 13 13 14 19 15 10 11 13 13 14 19 11 13 13 14 19 11 13 13 14 19 11 13 13 14 19 11 13 13 14 19 11 13 13 11 13 11 13 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11 13 11	ig .5 .5 .5 .5 .6 .7 .6 .8 .8 .8 .5 .5 .6 .7 .6 .8 .8 .1 .5 .6 .6 .7 .6 .8 .8 .1 .5 .6 .6 .7 .6 .6 .8 .8 .1 .5 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .6 .7 .6 .7 .6 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .6 .7 .7 .6 .8 .8 .1 .7 .6 .6 .7 .7 .6 .8 .8 .1 .7 .6 .6 .7 .6 .8 .8 .1 .7 .6 .6 .7 .6 .8 .8 .1 .7 .6 .6 .8 .8 .1 .7 .6 .6 .6 .7 .6 .6 .8 .8 .1 .7 .6 .6 .8 .8 .1 .7 .6 .6 .8 .8 .8 .8 .8 .8 .8 .8 .8 .8	P: Us 96 - 412 93 - 369 92 - 348 95 - 389 92 - 348 95 - 389 92 - 348 88 - 322 90 - 330 87 - 314 74 - 256 97 - 539 93 - 457 91 - 435 92 - 403 90 - 412 88 - 393 81 - 325 97 - 572 93 - 540 91 - 515 94 - 566 91 - 515 93 - 540 91 - 515 89 - 480	ack / Full I m ⁴ /mi 5.8 - 24 5.6 - 22 5.5 - 20 5.7 - 23 5.5 - 20 5.7 - 23 5.5 - 20 5.4 - 19 5.2 - 16 4.5 - 15 5.8 - 32 5.6 - 22 5.6 - 22 5.6 - 22 5.6 - 22 5.5 - 26 5.5 - 30 5.5	Feature n 1.7 2.1 3.3 3.3 9.9 3.3 3.3 3.3 3.3 3.3 3.3 3.3	203 - 873 198 - 782 194 - 707 201 - 824 194 - 813 187 - 682 190 - 699 184 - 665 157 - 542 206 - 1142 197 - 968 193 - 922 199 - 1019 193 - 922 188 - 828 172 - 689 206 - 1212 187 - 1144 193 - 1091 199 - 1199 189 - 1017	moto kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 132	Prover HP 150 150 150 150 150 150 150 150 150 150 150 150 150 150 175	Level dB(A 71 71 71 71 71 71 71 71 71 71	P2 R2 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 38 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 39 <	g g4 94 94 94 94 94 94 94 94 94 94 94 94 93 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30 30	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9346 <!--</td--></td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9346 </td

(1) Unit Performance Measured according to ISO 1217, Ed. 3 Annex C - 1996

Reference conditions:

Absolute inlet pressure 1 bar (14.5 psi)
Intake air temperature 20°C (68°F)
Cooling medium temperature 20°C (68°F)

(2) **Noise level:** Measured according to ISO 2151: 2004 using ISO 9614/2

(3) Maximum working pressure is reduced by 0.2 bar when integrated DD filter option is selected (4) Maximum working pressure for GA VSD - 8.5; 10; 14 bar (e)/GA VSD FF - 8.3; 9.8; 13.8 bar(e) Integrated dryer: Compressed air pressure dewpoint at dryer reference conditions 3°C Integrated DD filter: Particle removal down to 1 micron and maxium remaining aerosol 0.1 mg/m³ FAD is measured at the following working pressures:

• 5.5 bar variants at 5 bar

• 7.5 bar variants at 7 bar • 8.5 bar variants at 8 bar

10 bar variants at 9.5 bar
14 bar variants at 13.5 bar

GA 90+-160+/GA 110-160/GA 110-160 VSD - 60 Hz

	Max	imum wo	rking press	Capacity FAD ⁽¹⁾							led	Noise	Weight				
COMPRESSOR	Pack Full Feature ⁽³⁾			Pack Fu				Full Featur	e	motor power		Level ⁽²⁾	P	Pack	Full F	eature	
ТҮРЕ	bar(e)	psig	bar(e)	psig	l/s	m³/min	cfm	l/s	m³/min	cfm	kW	НР	dB(A)	kg	lb	kg	lb
GA 60 Hz																	
GA 90+ - 75	5.5	80	5.3	77	343	20.6	727	346	20.8	733	90	125	68	2917	6417	3310	7282
GA 90+ - 100	7.4	107	7.2	104	302	18.1	640	303	18.2	642	90	125	68	2917	6417	3310	7282
GA 90 ⁺ - 125	9.1	132	8.9	129	274	16.4	581	275	16.5	583	90	125	68	2897	6373	3290	7238
GA 90+ - 150	10.9	152	10.7	155	239	14.3	506	239	14.3	506	90	125	68	2709	5960	3102	6824
GA 90+ - 200	14	203	13.5	196	205	14.3	434	213	12.8	451	90	125	68	2709	5960	3102	6824
GA 110 - 100	7.4	107	7.2	104	350	21.0	742	352	21.1	746	110	150	69	2703	6114	3102	6978
GA 110 - 100 GA 110 - 125	9.1	132	8.9	129	320	19.2	678	322	19.3	682	110	150	69	2779	6114	3172	6978
	10.9	152		129	286	19.2	606	286	19.3	606		150	69	2759	6070	-	6934
GA 110 - 150			10.7								110					3152	
GA 110+ - 75	5.5	80	5.3	77	406	24.4	860	409	24.5	867	110	150	69	2967	6527	3360	7392
GA 110+ - 100	7.4	107	7.2	104	363	21.8	769	364	21.8	771	110	150	69	2967	6527	3360	7392
GA 110+ - 125	9.1	132	8.9	129	331	19.9	701	332	19.9	703	110	150	69	2967	6527	3360	7392
GA 110 ⁺ - 150	10.9	158	10.7	155	295	17.7	625	295	17.7	625	110	150	69	2947	6483	3340	7348
GA 110+ - 200	14	203	13.5	196	248	14.9	525	255	15.3	540	110	150	69	2759	6070	3152	6934
GA 132 - 100	7.4	107	7.2	104	403	24.2	854	405	24.3	858	132	175	70	3134	6895	3527	7759
GA 132 - 125	9.1	132	8.9	129	370	22.2	784	371	22.3	786	132	175	70	3134	6895	3527	7759
GA 132 - 150	10.9	158	10.7	155	336	20.2	712	336	20.2	712	132	175	70	3114	6851	3507	7715
GA 132+ - 75	5.5	80	5.3	77	467	28.0	990	471	28.3	998	132	175	70	3271	7196	3644	8017
GA 132+ - 100	7.4	107	7.2	104	421	25.3	892	422	25.3	894	132	175	70	3251	7152	3644	8017
GA 132+ - 125	9.1	132	8.9	129	385	23.1	816	386	23.2	818	132	175	70	3251	7152	3644	8017
GA 132+ - 150	10.9	158	10.7	155	346	20.8	733	346	20.8	733	132	175	70	3237	7121	3630	7986
GA 132+ - 200	14	203	13.5	196	290	17.4	614	296	17.8	627	132	175	70	3049	6708	3442	7572
GA 160 - 100	7.4	107	7.2	104	475	28.5	1006	477	28.6	1011	150	200	71	3361	7394	3754	8259
GA 160 - 125	9.1	132	8.9	129	437	26.2	926	438	26.3	928	150	200	71	3341	7350	3734	8215
GA 160 - 150	10.9	158	10.7	155	397	23.8	841	397	23.8	841	150	200	71	3341	7350	3734	8215
GA 160 ⁺ - 150	10.9	158	10.7	155	397	23.8	841	397	23.8	841	150	200	71	3341	7350	3734	8215
GA 160+ - 200	14	203	13.5	196	337	20.2	714	345	20.7	731	150	200	71	3327	7319	3720	8184
	84			(4)			O	D(1)							14/-:	b .4	
COMPRESSOR			vorking pre				Capacity F/	_			alled	Nois			Weig		
COMPRESSOR TYPE		aximum w Pack		ssure ⁽⁴⁾ I Feature ⁽³		P	Capacity F/ ack / Full Fe	_			alled power	Nois Level		Pack	Weig	ht Full Fe	ature
				I Feature ⁽³		P I/s		_	cfm				(2)	Pack	Weig Ib		ature Ib
ТҮРЕ	P	ack	Ful	I Feature ⁽³			ack / Full Fe	_	cfm	motor	power	Level	(2)			Full Fe	
TYPE GA VSD 60 Hz	P bar(e)	Pack psig	Ful bar(e	l Feature ⁽³) psi	g	l/s	ack / Full Fe m³/min	ature		motor kW	power HP	Level dB(A	(⁽²⁾	kg	lb	Full Fe kg	lb
TYPE GA VSD 60 Hz	P bar(e) 3.5	Pack psig 72.5	Ful bar(e	l Feature ⁽³) psi 72	g 5	I/s 96 - 412	rack / Full Fe m³/min 5.7 - 24.5	ature	203 - 867	kW 110	Power HP 148	Level dB(A 71	(2) () 38	kg 894	B585	Full Fe kg 4154	Ib 9158
TYPE GA VSD 60 Hz	P bar(e) 3.5 7	Pack psig	Ful bar(e	I Feature ⁽³) psi	g 5 2	I/s 96 - 412 93 - 371	rack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2	ature	203 - 867 198 - 786	motor kW 110 (* 110	power HP 148 148	Level dB(A 71 71	(2) () 3{ 3}	kg 894 894	8585 8585	Full Fe kg 4154 4154	Ib 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125	P bar(e) 3.5 7 8	Pack psig 72.5 102 116	5 7 8	I Feature ⁽³) psi 72 10 11	g 5 2 6	I/s 96 - 412 93 - 371 90 - 336	2ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0		203 - 867 198 - 786 191 - 711	110 * 110 110	power HP 148 148 148 148	Level dB(A 71 71 71	1(2) 1) I 38 31 38	kg 894 894 894	8585 8585 8585	Full Fe kg 4154 4154 4154	lb 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125	P bar(e) 3.5 7 8 6	Pack psig 72.5 102 116 87	5 7 8 6	I Feature ⁽³) psi 72. 10 11 87	g 5 2 6 7	I/s 96 - 412 93 - 371 90 - 336 95 - 389	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3		203 - 867 198 - 786 191 - 711 201 - 824	motor kW 110 110 110 110	Power HP 148 148 148 148 148 148	Level dB(A 71 71 71 71 71	(2) () () () () () () () () () (kg 894 894 894 894	Ib Ib 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154	lb 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125	P bar(e) 3.5 7 8 6 8 8	Pack psig 72.5 102 116 87 116	Ful bar(e 5 7 8 6 8	I Feature ⁽³) psi 72. 10 11 87 11	g 5 2 6 7 6	I/s 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336	eack / Full Fe m ³ /min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712	motor kW 110 110 110 110 110 110	Power HP 148 148 148 148 148 148 148 148 148	Level dB(A 71 71 71 71 71 71	(2) () () () () () () () () () (kg 894 894 894 894 894 894	Ib I 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154	lb 9158 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150	P bar(e) 3.5 7 8 6 8 8 9.5	Pack psig 72.5 102 116 87 116 138	Ful bar(e 5 7 8 6 8 9.5	I Feature ⁽³) psi 72 10 11 87 11 13	g 5 2 2 6 7 6 8	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307	eack / Full Fe m ³ /min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651	motor kW 110 110 110 110 110 110 110	Power HP 148 148 148 148 148 148 148 148 148 148 148	Level dB(A 71 71 71 71 71 71 71 71	(2) () () () () () () () () () (kg 894 394 894 894 894 894 894	8585 8585 8585 8585 8585 8585 8585 858	Full Fe kg 4154 4154 4154 4154 4154 4154 4154	Ib 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150	P bar(e) 3.5 7 8 6 8 9.5 9	Pack psig 72.5 102 116 87 116 138 131	Ful bar(e 5 7 8 6 8 9.5 9	l Feature ⁽³) psi 72 10 11 87 11 13 13	g 55 22 6 6 6 8 8 1	I/s 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330	ack / Full Fe m ³ /min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.6		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699	motor kW 110 110 110 110 110 110 110 110	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148	Level dB(A 71 71 71 71 71 71 71 71 71 71	(2) () () () () () () () () () (kg 894 394 894 894 894 894 894 894	Ib I 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	lb 9158 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150	P bar(e) 3.5 7 8 6 8 9.5 9 10	Pack psig 72.5 102 116 87 116 138 131 145	Ful bar(e 5 7 8 6 8 9.5 9 10	I Feature ⁽³⁾ psi 72. 10 11 11 87 11 13 13 13 14	g 5 2 6 6 8 8 1 5 5	I/s 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.6 5.2 - 18.4		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650	motor kW 110 110 110 110 110 110 110 110 110	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148	Level dB(A 71 71 71 71 71 71 71 71 71 71	(2) (3) (3) (3) (3) (3) (3) (3) (3	kg 894 394 894 894 894 894 894 894 894 894	Ib I 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200	P bar(e) 3.5 7 8 8 6 8 8 9.5 9 10 13.5	Pack psig 72.5 102 116 87 116 138 131 145 196	Ful bar(e 5 7 8 6 8 9.5 9 10 13.5	I Feature ⁽³⁾ psi 72. 10 111 87 111 13 13 13 14 19	9 5 2 2 6 6 8 1 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	I/s 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 74 - 256	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543	motor kW 110 110 110 110 110 110 110 110 110 11	Power HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148	Level dB(A 71 71 71 71 71 71 71 71 71 71 71	(2))	kg 894 894 894 894 894 894 894 894 894 884 88	8585 8585 8585 8585 8585 8585 8585 858	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200	P bar(e) 3.5 7 8 6 8 9 5 9 10 13.5 3.5	rack psig 72.5 102 116 87 116 138 131 145 196 51	Ful bar(e 5 7 8 6 8 9 9 10 13.5 3.5	I Feature ⁽³⁾ psi 72. 10 111 87 111 13 13 13 14 19 51	g 5 2 6 6 8 1 5 6 6	I/s 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 74 - 256 97 - 539	ack / Full Fe m ² /min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 32.3		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543 206 - 1142	motor kW 110 110 110 110 110 110 110 110 110 11	HP 148 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 88	(2))	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585	Full Fe kg 4154	Ib 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200	P bar(e) 3.5 7 8 6 8 9.5 9.5 9 10 13.5 3.5 6.9	Pack 72.5 102 116 87 116 138 131 145 196 51 100	Ful bar(e 5 7 8 6 8 9 9 10 13.5 3.5 6.9	I Feature ⁽³⁾ psi 72. 10 111 87 111 13 13 13 14 19 51 10	g 5 2 6 6 8 8 1 5 5 6 6 0	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 6 - 307 90 - 330 86 - 307 74 - 256 97 - 539 93 - 459	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 200 5.7 - 23.3 5.4 - 200 5.1 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.6 - 27.5 5.6 - 27.5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543 206 - 1142 197 - 973	motor kW 110 110 110 110 110 110 110 110 110 11	Power HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 88 68	(12) (kg 894 894 894 894 894 894 894 894 894 894	8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125	P bar(e) 3.5 7 8 6 6 8 9,5 9 10 13.5 3.5 6.9 8.6	rack psig 72.5 102 116 87 116 138 131 145 196 51 100 125	Ful bar(e 5 7 8 8 6 8 8 9 5 9 10 13.5 3.55 6.9 8.6	I Feature ⁽³⁾ psi 72. 10 111 87 111 13 13 13 14 19 51 10 12	g 5 2 2 6 6 8 8 1 5 5 6 6 2 7 7 8 8 8 8 8 8 9 7 8 8 9 7 8 9 8 9	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 74 - 256 97 - 539 93 - 459 90 - 422	ack / Full Fe m³/min 5.7 - 24.6 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 22.2 5.6 - 27.2 5.6 - 27.2 5.4 - 25.2		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543 206 - 1142 197 - 973 191 - 890	motor kW 110 110 110 110 110 110 110 110 110 11	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 68 68 68	(22) (33) (33) (34)	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 415	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125	P bar(e) 3.5 7 8 6 8 9.5 9 10 13.5 3.5 6.9 9 10 13.5 3.5 6.9 8.6 6	rack Psig 72.5 102 116 87 116 138 131 145 196 51 100 125 87	Full bar(e 5 7 8 6 8 9.5 9 10 13.5 3.5 6.9 8.6 6.9 8.6 6.9	I Feature ⁽³⁾ psi 72 72 10 10 11 87 11 13 13 13 14 19 51 10 10 12 87	g 5 2 2 6 6 8 8 8 1 5 5 6 6 5 7	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 74 - 256 93 - 459 90 - 422 94 - 481	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 192 5.2 - 18.4 4.4 - 15.3 5.8 - 32.2 5.6 - 27.5 5.4 - 25.2 5.4 - 25.2 5.4 - 25.2		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543 206 - 1142 197 - 973 191 - 890	motor kW 110 110 110 110 110 110 110 110 110 11	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 88 68 68 68	(2) (2) (3) (3) (3) (3) (3) (3) (3) (3	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8686 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125	P bar(e) 3.5 7 8 8 6 8 9.5 9 9 10 13.5 3.5 6.9 8.6 6 8.6	Pack psig 72.5 102 116 87 116 131 145 196 51 100 125 87 125 87	Ful bar(e 5 7 7 8 6 8 9 9 10 13.5 3.5 6.9 8.6 6 6 8.6	I Feature ⁽³⁾ psi 72. 10 111 87 111 13 13 13 14 19 55 10 12 87 12 87 12 12	9 5 2 6 8 1 55 6 9 10 5 6 9 10 5 6 9 10 5 5 5	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 97 - 539 93 - 459 90 - 422	ack / Full Fe m³/min 5.7 - 24.£ 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.2 5.2 - 19.4 4.4 - 15.3 5.8 - 32.3 5.6 - 27.5 5.4 - 25.2 5.4 - 25.2 5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 659 180 - 659 182 - 650 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890	motor kW 110 110 110 110 110 110 110 110 110 11	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(2) (2) (3) (3) (3) (3) (3) (3) (3) (3	kg 884 894 884 894 884 884 884 884 884 884 884 884 884 930 930 930 930 930	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150	P bar(e) 3.5 7 8 8 6 8 9.5 9 10 13.5 3.5 6.9 8.6 6 8.6 10.4	rack psig 72.5 102 116 87 116 138 131 145 51 100 125 87 125 151	Full bar(e 5 7 7 8 6 8 9.5 9 10 13.5 6.9 8.6 6 8.6 6 8.6 10.4	I Feature ⁽³⁾ psi 72. 10 11 87 11 13 13 13 14 19 51 10 12 88 12 12 15	9 5 2 6 7 6 8 1 5 6 9 1 5 6 9 1 5 6 9 1 5 7 5 1	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 74 - 256 97 - 539 90 - 422 94 - 481 90 - 422 87 - 386	ack / Full Fe m³/min 5.7 - 24.£ 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 32.3 5.6 - 27.5 5.4 - 25.2 5.4 - 25.2 - 25.2 5.4 - 25.2 - 25		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 205 - 619 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 184 - 812	motor kW 110 110 110 110 110 110 110 110 110 11	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(2) (2) (3) (3) (3) (3) (3) (3) (3) (3	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150	P bar(e) 3.5 7 8 8 6 8 8 9 10 13.5 3.5 6.9 8.6 6 8.6 8.6 10.4 9	rack psig 72.5 102 116 87 116 138 131 145 51 100 125 87 125 87 125 151 131	Full bar(e 5 7 8 6 8 9 100 135 3.5 6.9 8.6 6 8.6 100 13.5 6.9 8.6 10.4	I Feature ⁽³⁾ psi 72 10 111 87 113 13 13 14 19 51 10 10 212 87 212 15 51 43	g 55 22 66 7 66 88 11 55 66 55 7 7 7 1	Vs 96 - 412 93 - 371 99 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 74 - 256 97 - 539 93 - 459 90 - 422 94 - 481 90 - 90 - 422 87 - 386 90 - 424	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 32.3 5.6 - 27.5 5.4 - 25.2 5.4 - 24.2 5.4 - 25.2 5.4 - 25.2 5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 184 - 812 191 - 803	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 12 132 132 132 132 132 132 132 132 132	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (12) (kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150	P bar(e) 3.5 7 8 6 8 9.5 9 9 10 13.5 3.5 6.9 8.6 6 8.6 6 8.6 10.4 9 10.4	Pack psig 72.5 102 116 87 118 131 145 196 51 100 125 87 125 151 131 151	Fut bar(e 5 7 8 6 8 9.5 9 10 13.5 3.5 6.9 8.6 6 8.6 10.4 9 10.4	Feature ⁽³⁾ 72. 10 11 87 11 13 13 14 19 51 100 12 87 12 15 13 15 13	9 5 2 6 7 6 8 1 5 6 9 9 1 5 1 1 1 1	Vs 96 412 93 371 90 336 95 389 90 336 86 307 74 256 97 539 93 459 90 422 94 481 90 -386 97 -589 93 459 94 481 90 422 94 481 90 436 97 -589 93 459 94 481 90 422 91 -386	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 184. 4.4 - 15.3 5.8 - 32.5 5.4 - 25.2 5.4 - 25.2 5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 651 182 - 651 182 - 651 187 - 643 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 191 - 890 191 - 893 184 - 812	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 12 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 200	P bar(e) 3.5 7 8 6 8 8 9 9 10 13.5 3.5 6.9 9 10 13.5 3.5 6.8 6 8.6 6 8.6 10.4 9 9 10.4 13.5	Pack psig 72.5 102 116 87 116 131 145 196 51 100 125 87 125 151 131 151 196	Full bar(e 5 7 8 6 8 9 10 13.5 6.9 8.6 6 8.6 6 8.6 10.4 9 10.4	Feature ³ 72. 100 111 87 113 133 14 19 51 100 12 87 12 133 14 19 51 100 12 87 12 15 13 13	9 5 2 6 7 6 8 1 5 6 9 9 1 1 6	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 74 - 256 97 - 539 93 - 459 90 - 422 94 - 481 90 - 422 94 - 481 90 - 414 90 - 414 90 - 414 90 - 414 90 - 414 91 - 386 91 - 386 91 - 345	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 184 5.3 - 184 5.3 - 184 5.3 - 184 5.4 - 152, 5.4 - 252, 5.4 -		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 194 - 812 191 - 872	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132 132 132 132 132 132 132 132	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 175 175 175 175 175 175 175 175 175 175 175 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 200	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 6.9 8.6 6 6 8.6 10.4 9 10.4 13.5 3.5	Pack psig 72.5 102 116 87 116 131 145 96 51 100 125 87 125 151 131 151 196 51	Fut bar(e 5 7 7 8 6 8 9 10 13.5 6.9 8.6 6 6 8.6 6 10.4 9 10.4 3.5 3.5	I Feature ⁽³⁾ psi 72. 100 111 87 111 133 134 19 55 10 12 88 12 83 15 13 15 16 17 18 19 10 112	9 5 2 6 6 8 1 5 5 6 0 5 5 7 5 7 5 7 5 7 6 6 1 1 6 6	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 330 86 - 307 90 - 330 86 - 307 90 - 330 86 - 307 90 - 330 90 - 422 94 - 481 90 - 422 94 - 481 90 - 422 91 - 422 92 - 346 93 - 459	ack / Full Fe m³/min 5.7 - 24.£ 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.3 - 18.4 5.3 - 18.4 5.3 - 18.4 5.3 - 18.4 5.4 - 25.5 5.4 - 25.2 5.4 - 25.2 5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 172 182 - 651 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 194 - 812 195 - 873 194 - 812 195 - 873 194 - 812 197 - 873 194 - 812 197 - 869 206 - 1212	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 122 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 132 160	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 <	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894 894 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 200	P bar(e) 3.5 7 8 8 6 8 9.5 9 10 13.5 3.5 6.9 8.6 6 8.6 10.4 9 10.4 13.5 3.5 6.9	Pack psig 72.5 102 116 87 116 131 145 196 51 100 125 87 125 151 131 151 196 51 100 125 87 125 151 196 51 100	Fut bar(e 5 7 7 8 6 8 9.5 9 10 13.5 6.9 8.6 6 8.6 6 8.6 10.4 13.5 3.5 3.5 6.9	I Feature ⁽³⁾ psi 72. 100 111 87. 111 87. 111 133 133 144 199 511 100 122 88. 122 155 139 515 199 510 100	9 5 5 2 6 8 1 5 5 5 6 9 7 7 5 7 5 7 6 9 7 7 5 7 6 7 6 7 7 7 7 7 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 74 - 256 97 - 539 90 - 422 90 - 422 90 - 422 91 - 486 90 - 422 97 - 386 91 - 414 87 - 386 91 - 579 93 - 579 93 - 543	ack / Full Fe m³/min 5.7 - 24.£ 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 32.5 5.4 - 25.2 5.4 - 25.2 5.5 - 25.2 5		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 205 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 194 - 812 197 - 473 184 - 812 197 - 689 206 - 1212 197 - 1151	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 122 132 160 160	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 <	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 150 GA 132 VSD - 125 GA 160 VSD - 125	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 6.9 8.6 10.4 9 10.4 13.5 3.5 6.9 8.6 9 10.4 13.5 3.5 6.9 8.6	Pack psig 72.5 102 116 87 116 138 131 145 51 100 125 87 125 151 131 151 196 51 100 125	Fut bar(e 5 7 8 6 8 9 100 13.5 3.5 6.9 8.6 6 6 10.4 9 10.4 3.55 6.9 8.6 10.4 9 10.4 3.55 6.9 8.6	I Feature ⁽³⁾ psi 72. 10 111 87. 113 133 14 19 51 100 122 155 133 155 19 51 100 122 155 19 51 100 122 155 19 51 100 112 155 19 100 100 112 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 111 110 1	9 5 5 2 6 8 7 5 5 5 5 7 5 1 1 1 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5	Vs 96 - 412 93 - 371 93 - 375 97 - 336 95 - 389 90 - 336 86 - 307 90 - 330 97 - 539 93 - 459 90 - 422 94 - 481 90 - 422 94 - 481 90 - 422 94 - 481 90 - 422 97 - 386 81 - 325 93 - 543 90 - 501	ack / Full Fe m ³ /min 5.7 - 24.5 5.6 - 22.2 5.4 - 200 5.7 - 23.3 5.4 - 200 5.7 - 23.3 5.4 - 200 5.7 - 18.4 5.3 - 19.6 5.2 - 18.4 4.4 - 15.3 5.8 - 32.5 5.4 - 25.2 5.4 - 25.2 5.8 - 3.2 5.8 - 3.2 - 5.8 - 3.2 - 5.8		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 206 - 1142 197 - 973 191 - 890 191 - 890 184 - 812 191 - 873 184 - 812 197 - 689 206 - 1212 197 - 1151 191 - 1062	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 175 <	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg kg 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9346 </td
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 150 GA 132 VSD - 125 GA 160 VSD - 125	P bar(e) 3.5 7 8 6 8 9 5 9 10 13.5 9 9 10 13.5 3.5 6 8.6 6 8.6 6 8.6 10.4 13.5 3.5 5 6.9 8.6 6 6	Pack psig 72.5 102 116 87 118 138 131 145 196 51 100 125 87 125 151 131 151 196 51 125 87 125 151 131 151 196 51 196 51 196 51 196 51 196 51 196 51 196 51 196 51 196 51 196 51 196 51 100 100 125 87 87	Fut bar(e 5 7 8 6 8 9.5 9 10 13.5 3.5 6.9 8.6 6 8.6 10.4 9 10.4 13.5 3.5 6.9 8.6 6.9 8.6 6.9 8.6	Feature ³ 72. 100 111 83 131 133 14 19 51 100 12 857 15 133 15 15 15 15 15 15 15 15 15 15 15 15 16 17 18 19 51 100 12 87	9 5 2 6 7 6 8 1 5 5 0 5 1 1 1 5 5 1 1 5 5 1 1 5 5 1 1 5 5 1 5 1 5 1 5 1 5 1	Vs 96 412 93 371 90 336 95 389 90 336 86 307 74 256 97 539 93 459 90 422 94 481 90 422 94 481 90 422 93 459 93 459 90 414 87 -386 81 325 93 543 94 561	ack / Full Fe m ³ /min 5.7 - 24.6 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.3 - 194 5.2 - 18.4 4.4 - 15.3 5.8 - 32.5 5.4 - 25.2 5.4 - 30.0 5.6 - 32.0 5.6 - 34.0 5.6 - 34.0 5.6 - 34.0		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 190 - 699 182 - 650 157 - 643 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 194 - 812 172 - 689 206 - 1212 197 - 1151 191 - 1062 199 - 1199	motor kw 110 110 110 110 110 110 110 110 110 110 110 110 110 110 12 132	HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175 <	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8646	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 150 GA 132 VSD - 125 GA 160 VSD - 125	P bar(e) 3.5 7 8 6 8 9 9 10 13.5 3.5 6.9 8.6 6 8.6 6 8.6 10.4 13.5 3.5 6.9 8.6 6 6 8.6 6 6 8.6	Pack psig 72.5 102 116 87 116 133 131 145 196 51 100 125 151 131 151 196 51 100 125 87 125 151 100 125 87 125	Full bar(e 5 7 8 6 8 9 10 13.5 6.9 8.6 6 8.6 6 9 10.4 9 10.4 9 8.6 6 8.6 6 8.6 6 8.6	I Feature ⁽³⁾ 72. 100 111 82. 111 83. 111 133 141 19 51 100 12 155 13 15 103 155 13 55 13 55 10 12 87 12 87 12	9 5 2 6 7 6 8 1 15 6 0 5 1 7 5 1 1 6 0 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 74 - 256 97 - 539 93 - 459 90 - 422 94 - 481 90 - 422 94 - 481 90 - 422 94 - 366 81 - 325 92 - 579 93 - 543 90 - 501	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 184 5.3 - 184 5.3 - 184 5.4 - 155 5.4 - 255 5.4 - 30.1 5.6 - 30.1 5.7 - 30.1 5.6 - 30.1 5.6 - 30.1 5.7 -		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 191 - 890 191 - 873 194 - 812 172 - 689 206 - 1212 197 - 1151 191 - 1062	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132 160 160 160 160	Power HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894 894 930 930	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346</td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 200 GA 132 VSD - 150 GA 160 VSD - 125 GA 160 VSD - 150	P bar(e) 3.5 7 8 8 6 8 9 9 10 13.5 3.5 6.9 9 10.4 9 10.4 9 10.4 9 10.4 9 8.6 6 8.6 10.4	Pack psig 72.5 102 116 87 116 131 145 196 51 100 125 87 151 151 161 131 151 196 51 100 125 87 151 151 151 125 87 125 151 100 125 87 125 87 125 151	Fut bar(e 5 7 7 8 6 8 9 10 13.5 3.5 6.9 8.6 6 8.6 6 10.4 9 10.4 3.5 3.5 6.9 8.6 6 8.6 6 8.6 6.9 8.6 6.9 8.6 6 8.6 6 8.6 6 8.6 6 8.6 6 8.6 6 8.6 6 8.6 6 8.6 9 10.4	I Feature ⁽³⁾ psi 72, 100 111 87, 111 87, 111 87, 111 87, 111 87, 111 87, 111 133 14 19 55 10 12 15 15 15 15 16 17 18 19 10 12 15 10 10 12 87 10 12 13 14 15	9 5 2 6 6 8 1 1 5 6 0 5 7 5 1 1 6 6 0 5 5 1 1 6 5 1 6 5 7 5 5 1	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 90 - 330 86 - 307 90 - 330 86 - 307 90 - 422 94 - 481 90 - 422 94 - 486 90 - 422 91 - 422 92 - 501 93 - 543 93 - 543 93 - 501 94 - 566 97 - 511 87 - 561	ack / Full Fe m³/min 5.7 - 24.8 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 182 5.2 - 18.4 4.4 - 15.3 5.8 - 32.2 5.4 - 25.2 5.4 - 25.2 5.		203 - 867 198 - 786 191 - 711 201 - 824 192 - 172 182 - 651 182 - 650 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 191 - 880 194 - 812 172 - 689 206 - 1212 197 - 1151 191 - 1062 199 - 1199 191 - 1062 184 - 877	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 122 132 160 160 160 160 160	Power HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24)	kg 894 894 894 894 894 894 894 894 894 894 894 894 894 893 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930 930	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346</td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 428 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346
TYPE GA VSD 60 Hz GA 110 VSD - 125 GA 110 VSD - 150 GA 110 VSD - 200 GA 132 VSD - 125 GA 132 VSD - 150 GA 132 VSD - 150 GA 132 VSD - 125 GA 132 VSD - 125 GA 132 VSD - 125 GA 132 VSD - 125	P bar(e) 3.5 7 8 6 8 9 9 10 13.5 3.5 6.9 8.6 6 8.6 6 8.6 10.4 13.5 3.5 6.9 8.6 6 6 8.6 6 6 8.6	Pack psig 72.5 102 116 87 116 133 131 145 196 51 100 125 151 131 151 196 51 100 125 87 125 151 100 125 87 125	Full bar(e 5 7 8 6 8 9 10 13.5 6.9 8.6 6 8.6 6 9 10.4 9 10.4 9 8.6 6 8.6 6 8.6 6 8.6	I Feature ⁽³⁾ 72. 100 111 82. 111 83. 111 133 141 19 51 100 12 155 13 15 103 155 13 55 13 55 10 12 87 12 87 12	9 5 5 2 6 8 1 5 5 5 1 1 5 5 1 1 5 5 0 5 5 5 1 1 5 5 1 1 1 1	Vs 96 - 412 93 - 371 90 - 336 95 - 389 90 - 336 86 - 307 90 - 336 86 - 307 74 - 256 97 - 539 93 - 459 90 - 422 94 - 481 90 - 422 94 - 481 90 - 422 94 - 366 81 - 325 92 - 579 93 - 543 90 - 501	ack / Full Fe m³/min 5.7 - 24.5 5.6 - 22.2 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.7 - 23.3 5.4 - 20.0 5.1 - 18.4 5.3 - 184 5.3 - 184 5.3 - 184 5.4 - 155 5.4 - 255 5.4 - 30.1 5.6 - 30.1 5.7 - 30.1 5.6 - 30.1 5.6 - 30.1 5.7 -		203 - 867 198 - 786 191 - 711 201 - 824 192 - 712 182 - 651 157 - 543 206 - 1142 197 - 973 191 - 890 191 - 890 191 - 890 191 - 890 191 - 890 191 - 873 194 - 812 172 - 689 206 - 1212 197 - 1151 191 - 1062	motor kW 110 110 110 110 110 110 110 110 110 110 110 110 110 110 110 120 132 160 160 160 160	Power HP 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 148 175	Level dB(A 71 71 71 71 71 71 71 71 71 71 71 71 71	(22) (23) (24) (kg 894 894 894 894 894 894 894 894 894 894 894 930 930	Ib 8585 8585 8585 8585 8585 8585 8585 8585 8646 </td <td>Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248</td> <td>Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346</td>	Full Fe kg 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4154 4248	Ib 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9158 9346

(1) Unit Performance Measured according to ISO 1217, Ed. 3, Annex C - 1996

Reference conditions:

Absolute inlet pressure 1 bar (14.5 psi)
Intake air temperature 20°C (68°F)
Cooling medium temperature 20°C (68°F)

(2) **Noise level:** Measured according to ISO 2151: 2004 using ISO 9614/2

(3) Maximum working pressure is reduced by 0.2 bar when integrated DD filter option is selected (4) Maximum working pressure for GA VSD - 8.5; 10; 14 bar (e)/GA VSD FF - 8.3; 9.8 ; 13.8 bar(e) Integrated dryer: Compressed air pressure dewpoint at dryer reference conditions 3°C Integrated DD filter: Particle removal down to 1 micron and maxium remaining aerosol 0.1 mg/m³ FAD is measured at the following working pressures:

• 75 psi variants at 73 psi • 100 psi variants at 100 psi

125 psi variants at 125 psi
125 psi variants at 125 psi
150 psi variants at 150 psi
200 psi variants at 200 psi



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As part of our long-term relationship with our customers, we have accumulated extensive knowledge of a wide diversity of processes, needs and objectives. This gives us the flexibility to adapt and efficiently produce customized compressed air solutions that meet and exceed your expectations.

A committed business partner



With a presence in over 170 countries, we will deliver high-quality customer service anywhere, anytime. Our highly skilled technicians are available 24/7 and are supported by an efficient logistics organization, ensuring fast delivery of genuine spare parts when you need them. We are committed to providing the best possible know-how and technology to help your company produce, grow, and succeed. With Atlas Copco you can rest assured that your superior productivity is our first concern!



