Atlas Copco

Oil-injected Rotary Screw Compressors

GA 15-22/GA^{e} 11-30/GA^{e} 18-30 VSD

11-30 kW/15-40 hp

Atlas Copco

The ultimate smart solution that fits

Atlas Copco's GA & GA^{e} compressors bring you outstanding performance, flexible operation and the highest productivity, while minimizing the total cost of ownership. With a choice of three premium compressor series – GA 15-22, GA^{e} 11-30 and GA^{e} 18-30 VSD – you will certainly find the compressed air solution that perfectly matches your requirements. Built to perform even in the harshest environments, our products keep your production running smoothly.

Highest reliability

The GA & GA^{e} series are designed, manufactured and tested in accordance with ISO 9001, ISO 14001 and ISO 1217, Ed. 3, Annex C. Ensuring a long and trouble-free life at the lowest operating cost, the GA & GA^{e} contain the latest generation of Atlas Copco's innovative oil-injected screw element.

Reduced energy costs

The cost of compressed air can represent over 40% of your total electrical costs. Our GA^{e} compressors can reduce energy costs and overall compressor lifecycle costs (LCC) thanks to the use of our highly efficient element. Furthermore, the GA^{e} VSD additionally reduces energy costs up to 35% by automatically adjusting the air supply to the customer's air demand.

Air system integration

The GA^{e} WorkPlace Air System can be placed where you need it. Its low noise operation and integrated air treatment equipment eliminate the need for a separate compressor room. Moreover, all compressors are delivered ready for use, reducing installation costs to a minimum.

GA 15-22

Compact economical compressor

By far the most reliable tank-mounted workshop solution that supplies high-quality compressed air with easy plug-and-play concept.

- Premium GA quality and improved serviceability at the lowest initial investment.
- Good-quality, dry air thanks to the integrated dryer.
- Total control and assured efficiency with the new Elektronikon® controller.

GA^{e} 11-30

Premium performer

Offering premium performance and total reliability, our products answer your advanced needs.

- Guaranteed one of the highest Free Air Delivery in the market.
- One of the lowest power consumptions and noise emissions in the industry.
- Excellent-quality, dry air thanks to the new, integrated dryer range.
- Easy monitoring and maintenance thanks to the optional Elektronikon® graphic controller with high-definition color display.

GA^{e} 18-30 VSD

Ultimate energy saver

Minimized energy consumption for the most demanding applications, making major energy savings a reality.

- Average energy savings of 35%.
- Advanced Variable Speed Drive technology.
- Flexible pressure selection: 4-13 bar.
- Excellent-quality, dry air at the lowest energy cost thanks to the new, integrated dryer range. With optional Dryer Saver Cycle, the GA^{e} 18-30 VSD saves 60% of the electricity needed for the dryer.
- Easy monitoring and maintenance thanks to the new Elektronikon® graphic controller with high-definition color display.

GA 15-22: compact economical compressor

Set to tackle your daily challenges, Atlas Copco's high-performance tank-mounted GA compressors beat any workshop solution. Ready to supply high-quality air, they keep your air network clean and your production up and running.

Built to last

- The GA 15-22 range is outfitted with the most used screw element in its size.
- Unequaled reliability during the system's lifetime thanks to the gear-driven drive train, developed in accordance with the highest industry standards.
- Maximized reliability thanks to the robust design and the usage of advanced development software.

Protecting your production

- Monitor your machines from a distance, using a simple Ethernet connection, thanks to the new Elektronikon® with a built-in server.
- Protection from oil contamination: extremely low oil carry-over thanks to the vertical design of the oil vessel.
- Protecting downstream air equipment in all working conditions: the integrated dryer avoids condensation and corrosion in the network. Add optional filters to obtain air quality up to class 1 level (<0.01 ppm).
- Standard included water-separator.

1

Drive train

2

Dryer

3

Cooling fan

4

Elektronikon® controller

5

Oil separator & oil filter

6

Vessel

Reduced energy costs

- The GA 15-22's compression element is combined with a class 1 efficiency motor.
- A 2-3% higher efficiency with the direct-driven drive train compared to belt-driven systems.
- Extremely low losses of compressed air during load/unload cycle thanks to minimized oil vessel size.
- Additional energy savings with the dryer's no-loss electronic drain.

Effortless maintenance

- The Elektronikon®'s monitoring features include new service and warning indications, error detection and compressor shut-down. The optional Elektronikon® graphic controller provides further enhanced remote monitoring features and service time indications.
- Maximized production uptime: the gear-driven drive train reduces the need for maintenance (as opposed to belt-driven systems).
- Minimize your service costs by using high-quality and easily replaceable consumables with a long lifetime.

Easy installation

- A true plug-and-play solution, the GA 15-22 is an ideal machine for installation companies and OEMs. Optionally, the system can be expanded with an integrated dryer, air filters, and a factory-mounted 500L receiver.
- Easy transportation by forklift.
- The units can be placed with one side against a wall, and flexibility of installation is ensured thanks to a remarkably compact footprint.

GA^{e} 11-30: premium performer

The industrial GA^{e} 11-30 compressors have one of the best air delivery capacity in the market. These all-in-one solutions provide high-quality air at very low operating costs and offer extended monitoring possibilities. As they produce little noise, they can be placed close to the point of use, minimizing installation costs and maximizing energy efficiency.

Built to last

- More durable keyboard on the Elektronikon® controller.
- Completely protected against dirt, the gearbox's maintenance-free transmission maximizes reliability in any environment. To avoid improper re-lubrication, the motor and drive train are greased for life.
- Reduced cubicle temperature doubles the lifetime of the electrical components and keeps the unit up and running even in the harshest conditions (up to 46°C).

Protecting your production

- Monitor your machines from a distance, using a simple Ethernet connection, thanks to the new Elektronikon® with a built-in server.
- Optional with advanced Elektronikon® graphic controller which features a 3.5-inch high definition color display with clear pictograms.
- Get excellence in quality air on your GA^{e}: the integrated dryer can be outfitted with optional DD and PD filters, resulting in oil carry-over as low as 0.01 ppm.
- Improved oil separator resulting in increased reliability of down stream production equipment or air treatment devices.

1

Drive train

2

Cooling fan

3

Elektronikon® controller

4

Oil separator & oil filter

5

Electrical cubicle

Reduced energy costs

- The Free Air Delivery is increased up to 5%, with the GA e 30 delivering 80 l/s.
- Minimize the energy required to reach a certain air quality thanks to the new, integrated dryer range with counterflow heat exchanger.
- Optional centralized control over up to 6 compressors via Elektronikon®: results in the reduction of system pressure and energy consumption.

Effortless maintenance

- The complete drive train is greased for life, which eliminates the need for maintenance.
- The use of high-quality consumables that have a long lifetime in severe conditions (up to 4,000 hours) and can be easily serviced.
- The optional high-tech Elektronikon® graphic controller's monitoring features include: warning indications, compressor shut-down, maintenance scheduling and a visualization of your machines' conditions.

Easy installation

- Can be placed close to the point of use – minimizing your installation costs and reducing the risk of air leakage – thanks to a reduced noise level starting from 67 dB(A). An optional silencing kit reduces the level even further.
- Avoid damage caused by the incorrect connection of the electrical wires with the electrical cubicle's standard phase sequence relay.
- A wide range of factory-mounted options to customize the GA e to your specific needs: air and condensation treatment, special protection, communication features.
- More and easier installation possibilities thanks to the standard design for the 46°C ambient temperatures version.

GA^{e} 18-30 VSD: ultimate energy saver

The GA^{e} 18-30 VSD are the ideal solutions for a production with a fluctuating air demand. By monitoring the outlet pressure, the Variable Speed Drive (VSD) technology continuously adjusts the air flow to the demand. Energy savings above 35% become a reality thanks to the high turndown ratio, the eliminated vessel blow-off and the new fan Saver Cycle.

Built to last

- More durable keyboard on the Elektronikon® graphic controller.
- Completely protected against dirt, the gearbox's maintenance-free transmission maximizes reliability in any environment.
- To minimize sensitivity to dust and increase the reliability of the complete machine, the new-generation VSD has an optimized cooling flow.

Protecting your production

- A wide range of monitoring possibilities and the advantage of remotely monitoring your machines with the advanced Elektronikon® graphic controller which features a 3.5-inch high-definition color display with clear pictograms.
- Get excellence in quality air on your GA^{e} VSD: the integrated dryer can be outfitted with optional DD and PD filters, resulting in oil carry-over as low as 0.01 ppm.
- Improved oil separator resulting in increased reliability of down stream production equipment or air treatment devices.

Reduced energy costs

- An average of more than 35% energy savings compared to a load/unload cycle thanks to the combination of VSD technology with the advanced compressor algorithms in the Elektronikon® graphic controller.
- The GA^{e} 30 VSD increases the Free Air Delivery up to 80 l/s at the best possible power consumption in the market.
- Minimize the energy required to reach a certain air quality thanks to the new, integrated dryer range with counterflow heat exchanger.
- Possibility of centralized control over up to 6 compressors without the need for an external control system.
- Standard with new fan Saver Cycle, optimizing oil temperature and saving up to 7% extra.

Effortless maintenance

- The high-tech Elektronikon® graphic controller's monitoring features include: warning indications, compressor shut-down, maintenance scheduling and a visualization of your machines' conditions.
- The complete drive train is greased for life, which eliminates the need for maintenance.
- As it is a modular system, the VSD makes diagnostics and repairs fast and easy.
- The use of high-quality consumables that have a long lifetime in severe conditions (up to 4,000 hours) and can be easily serviced.

Easy installation

- Can be placed close to the point of use – minimizing your installation costs and reducing the risk of air leakage – thanks to a further reduced noise level with extra silencing options on all models below 70 dB(A).
- Easy to install thanks to the reduced footprint and optimized positioning of the grating.
- A wide range of factory-mounted options to customize the GA° VSD to your specific needs: air and condensation treatment, special protection, communication features.
- More and easier installation possibilities thanks to the standard design for the 46°C ambient temperatures version.

1

Drive train

2

Cooling fan

3

Elektronikon® graphic controller

4

Oil separator & oil filter

5

VSD cubicle

A step ahead in monitoring and controls

The next-generation Elektronikon® operating system offers a great variety of control and monitoring features to increase efficiency and reliability. The Elektronikon® controls the main drive motor and regulates system pressure within a predefined and narrow pressure band.

Elektronikon® controller

- Improved ease of use: intuitive navigation system with clear pictograms and extra 4th LED indicator for service.
- Free online compressor status visualization through a web browser using a standard Ethernet connection.
- Easy to upgrade.
- Maximum reliability: more durable keyboard.

Key features

- Automatic restart after voltage failure.
- Dual pressure set point.
- Delayed Second Stop function.
- Option to upgrade to the advanced Elektronikon® graphic controller.

Elektronikon® graphic controller

- User-friendliness: 3.5-inch high-definition color display with clear pictograms and extra 4th LED indicator for service.
- Internet-based compressor visualization using a standard Ethernet connection.
- Increased reliability: new, user-friendly, multilingual user interface and durable keyboard.
- Standard on VSD machines and optional on fixed speed models.

Key features

- Automatic restart after voltage failure.
- More flexibility: four different week-schedules that can be programmed for a period of 10 consecutive weeks.
- On-screen Delayed Second Stop function and VSD savings indication.
- Graphical indication Serviceplan.
- Factory-fitted remote control and connectivity functions are optionally available.
- Software upgrade available to control up to 4 or 6 compressors by installing the optional integrated multi compressor control to further reduce the total power consumption.
- Dual pressure band clock-based.

Free online visualization

Monitor your compressors over the Ethernet with the new Elektronikon® controllers. Monitoring features include warning indications, compressor shut-down and maintenance scheduling, all possible with the free online compressor status visualization.
SMS service, trending and remote history events are optional through the connectivity program.

Optional integrated compressor controller

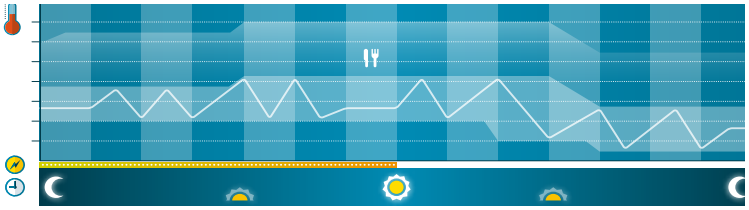
To reduce system pressure and energy consumption in installations of up to 4 (ES4i) or 6 (ES6i) compressors, the optional integrated compressor controller can be installed with a simple license.

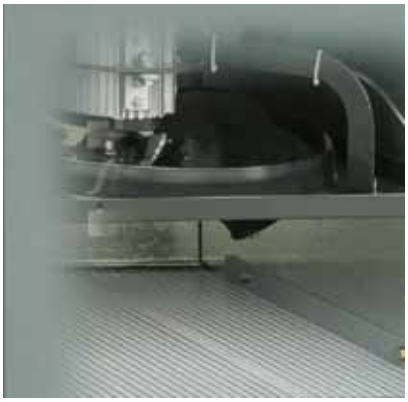
Dual pressure set point & delayed second stop

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. In addition, the sophisticated Delayed Second Stop (DSS) runs the drive motor only when needed. As the desired system pressure is maintained while the drive motor's run time is minimized, energy consumption is kept at a minimum.

Fan Saver Cycle

Saver Cycle technology reduces the energy consumption with the fan in light load applications. Using an ambient sensor to monitor the required dew point suppression, the Elektronikon® starts and stops the fan, minimizing energy use.





Excellence in quality air

Untreated compressed air contains moisture, aerosols and dirt particles that can damage your air system and contaminate your end product. The resulting maintenance costs can far exceed air treatment costs. GA and GA^{e} compressors provide the clean, dry air that improves your system's reliability, avoiding costly downtime and production delays, and safeguarding the quality of your products. Clean, treated air also reduces the risk of corrosion and leaks in your compressed air system, leading to substantial cost savings. Furthermore, with leaks and energy waste minimized and the unsafe disposal of untreated condensate eliminated, you can protect the environment and conform to stringent international regulations.

INTEGRATED PURITY

Atlas Copco's GA and GA^{e} compressors come with either an integrated dryer that efficiently removes moisture, aerosols and dirt particles to protect your investment. This quality air expands the life of equipment, increasing efficiency and ensuring quality in your final product.

MAIN BENEFITS OF THE NEW, INTEGRATED DRYER SOLUTIONS

- Heat exchanger with low pressure drop resulting in low energy consumption to reach excellent dew point.
- Zero waste of compressed air thanks to no-loss condensate drain.
- Available in several variants, allowing you to gain high-quality air in all ambient conditions.
- The heat exchanger with additional water separator minimizes the energy required to reach a certain air quality.
- Pressure dew point at 5°C on GA^{e} and GA^{e} VSD (100% relative humidity at 20°C).
- The dryer's global warming potential has been reduced. This not only results from the refrigerant's environmentally-friendly characteristics, but also from the smaller volume that is needed (valid for both GA^{e} and GA^{e} VSD).
- Can be outfitted with optional DD and PD filters, allowing you to obtain the exact air quality you need for your specific application (DDx and PDx for GA 15-22; DD and PD for GA^{e} 11-30 and GA^{e} 18-30 VSD).

CONFIGURE YOUR GA & GA^{e} FOR THE AIR QUALITY YOU NEED

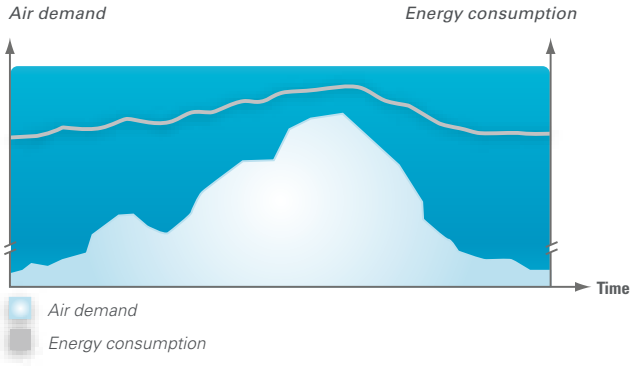
	ISO QUALITY CLASS*	DIRT PARTICLE SIZE	WATER PRESSURE DEW POINT GA & GA^{e} **	OIL CONCENTRATION
Pack unit	3.-.4	3 microns	-	3 ppm
Full feature unit	3.4.4	3 microns	+5°C, 41°F	3 ppm
Full feature unit with Class 2 integrated filter	2.4.2	1 micron	+5°C, 41°F	0.1 ppm
Full feature unit with Class 1 integrated filter	1.4.1	0.01 microns	+5°C, 41°F	0.01 ppm

**The table values are maximum limits according to the respective ISO quality class.*
*** Water pressure dew point based on 100% RH at 20°C/68°F*

VSD: driving down energy costs

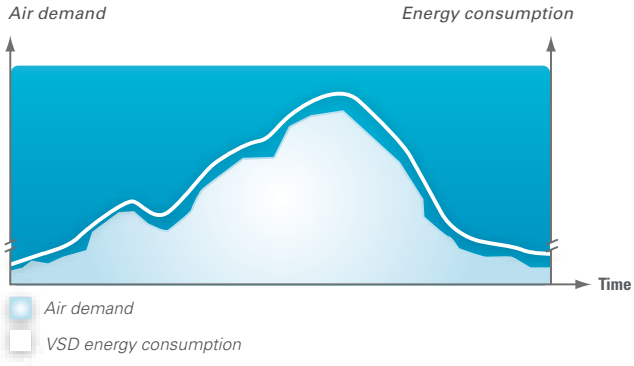
Energy typically represents over 80% of a compressor's life cycle cost. Looking continuously to innovate and reduce customer costs, Atlas Copco pioneered the Variable Speed Drive technology (VSD) in 1994. VSD stands for major energy savings, while protecting the environment for future generations. Due to our ongoing investments in R&D, Atlas Copco offers the widest range of integrated VSD compressors on the market.

The high price of fluctuating demand

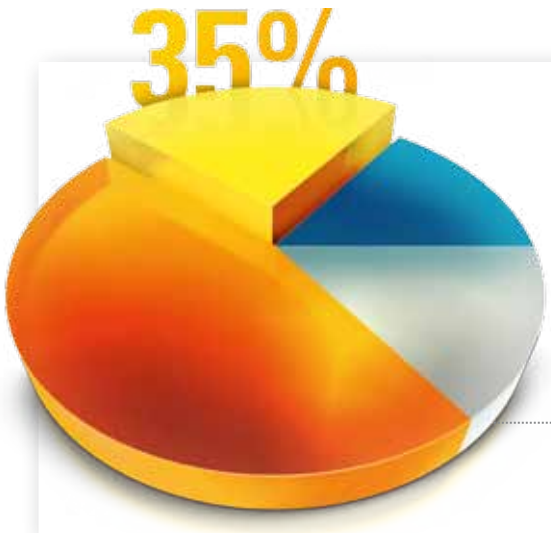


Traditional compressors working with a full load, no load control operate between two set pressure points. When maximum pressure is reached the compressor goes off load. During periods of medium to low air demand, the no load power consumption can be excessive – wasting large amounts of energy.

VSD: variable volume, controlled costs



Because there is no unnecessary power generated, the GA^{e} VSD can reduce energy costs by 35% or more. Life cycle costs (LCC) of the compressor can be reduced by an average of 22%. In general, the extra cost of a VSD compressor compared to a fixed speed one can be earned back after just one to two years.



Energy savings of up to 35%

Atlas Copco's VSD technology closely follows the air demand by automatically adjusting the motor speed. This results in large energy savings of up to 35%. The life cycle cost of a compressor can be cut by an average of 22%. In addition, lowered system pressure with VSD minimizes energy use across your production dramatically.

Total compressor life cycle cost

- *Energy*
- *Investment*
- ***Energy savings with VSD***
- *Maintenance*

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.**

Tailored to your needs

Some applications may need or may benefit from additional options and more refined control and air treatment systems. To meet these needs, Atlas Copco has developed options and easily integrated compatible equipment providing the lowest cost compressed air.

Options

	GA 15-22	GA^{e} 11-30	GA^{e} 18-30 VSD
Integrated filter Class 1	X	X	X
Integrated filter Class 2	X	X	X
Electronic Water Drains (EWD) on coolers	X	N/A	N/A
Air receiver drain EWD	X	N/A	N/A
Phase sequence relay	X	Standard	Standard
Tropical thermostat	X	X	N/A
Heavy duty air inlet filter	N/A	X	X
Fan Saver Cycle	N/A	X	Standard
Central control license 4 (ES4i) or 6 (ES6i) machines (on graphic)	X	X	X
Elektronikon® graphic controller	X	X	Standard
Food-grade oil	X	X	X
Roto-Xtend duty oil	X	X	X
Water Separator Device (WSD)	Standard	X	X
Silencing kit	N/A	X	X

Technical specifications
GA 15-22

COMPRESSOR TYPE		Max. working pressure				Capacity FAD*			Installed motor power		Noise level**	Weight (kg)	
		WorkPlace		WorkPlace Full Feature								WorkPlace	Work-Place Full Feature
		bar(e)	psig	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dB(A)		
50 Hz VERSION													
GA 15	7.5	7.5	109	7.3	105	43	154.8	91.1	15	20	72	375	440
	8	8.5	116	8.3	120	39.4	141.8	83.5	15	20	72	375	440
	10	10	145	9.8	141	36.3	130.7	76.9	15	20	72	375	440
	13	13	189	12.8	185	30.1	108.4	63.8	15	20	72	375	440
GA 18	7.5	7.5	109	7.3	105	52.5	189	111.2	18.5	25	73	395	470
	8	8.5	116	8.3	120	50.2	180.7	106.4	18.5	25	73	395	470
	10	10	145	9.8	141	43.5	156.6	92.2	18.5	25	73	395	470
	13	13	189	12.8	185	37.2	133.9	78.8	18.5	25	73	395	470
GA 22	7.5	7.5	109	7.3	105	60.2	216.7	127.6	22	30	74	410	485
	8	8.5	116	8.3	120	58.3	209.9	123.5	22	30	74	410	485
	10	10	145	9.8	141	51.7	186.1	109.5	22	30	74	410	485
	13	13	189	12.8	185	45.0	162	95.3	22	30	74	410	485

COMPRESSOR TYPE		Max. working pressure				Capacity FAD*			Installed motor power		Noise level**	Weight (kg)	
		WorkPlace		WorkPlace Full Feature								WorkPlace	Work-Place Full Feature
		bar(e)	psig	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dB(A)		
60 Hz VERSION													
GA 15	100	7.4	107	7.2	104	42.5	153.0	90.1	15	20	72	375	440
	125	9.1	132	8.9	128	39.6	142.6	83.9	15	20	72	375	440
	150	10.8	157	10.3	149	35.8	128.9	75.9	15	20	72	375	440
	175	12.5	181	12.3	178	29.3	105.5	62.1	15	20	72	375	440
GA 18	100	7.4	107	7.2	104	51.3	184.7	108.7	18.5	25	73	395	470
	125	9.1	132	8.9	128	47.7	171.7	101.1	18.5	25	73	395	470
	150	10.8	157	10.3	149	43.3	155.9	91.7	18.5	25	73	395	470
	175	12.5	181	12.3	178	37.8	136.1	80.1	18.5	25	73	395	470
GA 22	100	7.4	107	7.2	104	60.6	218.2	128.4	22	30	74	410	485
	125	9.1	132	8.9	128	56.0	201.6	118.7	22	30	74	410	485
	150	10.8	157	10.3	149	50.7	182.5	107.4	22	30	74	410	485
	175	12.5	181	12.3	178	46.5	167.4	98.5	22	30	74	410	485

** 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

FAD is measured at the following working pressures:
- 7.5 bar versions at 7 bar
- 8.5 bar versions at 8 bar
- 10 bar versions at 9.5 bar
- 13 bar versions at 12.5 bar

*** Mean noise level measured according to ISO 2151/Pneuro/Cagi PN8NTC2 test code; tolerance 2 dB(A).*

Pressure dew point of integrated refrigerant dryer of GA 15 - GA 18 - GA 22 at reference conditions 5°C, 41°F.

Air receiver size of GA 15-22 tank-mounted variants: 500L. Added weight: 125 kg.

GA 15 - GA 18 - GA 22 Full Feature

H: 1558 mm, 61"
L: 1853 mm, 73"
W: 680 mm, 27"

GA 15 - GA 18 - GA 22 Pack

H1: 1558 mm, 61"
H2: 932 mm, 37"
L1: 1853 mm, 73"
L2: 1285 mm, 51"
W: 680 mm, 27"

Technical specifications

GA^{e} 11-30 (50 Hz version)

COMPRESSOR TYPE		Max. working pressure				Capacity FAD*			Installed motor power		Noise level**	Weight (kg)		Length (mm)	Width (mm)	Height (mm)
		WorkPlace		WorkPlace Full Feature								WorkPlace	WorkPlace Full Feature			
		bar(e)	psig	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dB(A)					
50 Hz VERSION																
GA^{e} 11	7.5	7.5	109	7.3	105	33.5	120.6	70.9	11	15	67	418	472	1255	692	1475
	8.5	8.5	116	8.3	112	31.4	113.0	66.5	11	15	67	418	472	1255	692	1475
	10	10	145	9.8	141	26.0	93.6	55.1	11	15	67	418	472	1255	692	1475
	13	13	189	12.8	185	20.4	73.4	43.2	11	15	67	418	472	1255	692	1475
GA^{e} 15	7.5	7.5	109	7.3	105	44.9	161.6	95.1	15	20	67	425	479	1255	692	1475
	8.5	8.5	116	8.3	112	41.2	148.3	87.2	15	20	67	425	479	1255	692	1475
	10	10	145	9.8	141	37.8	136.1	80.0	15	20	67	425	479	1255	692	1475
	13	13	189	12.8	185	31.6	113.8	66.9	15	20	67	425	479	1255	692	1475
GA^{e} 18	7.5	7.5	109	7.3	105	54.8	197.3	116.0	18.5	25	68	450	504	1255	692	1475
	8.5	8.5	116	8.3	112	51.7	186.1	109.5	18.5	25	68	450	504	1255	692	1475
	10	10	145	9.8	141	45.3	163.1	95.9	18.5	25	68	450	504	1255	692	1475
	13	13	189	12.8	185	39.1	140.8	82.8	18.5	25	68	450	504	1255	692	1475
GA^{e} 22	7.5	7.5	109	7.3	105	63.1	227.2	133.6	22	30	69	467	523	1255	692	1475
	8.5	8.5	116	8.3	112	61.1	220,0	129.4	22	30	69	467	523	1255	692	1475
	10	10	145	9.8	141	54.2	195.1	114.8	22	30	69	467	523	1255	692	1475
	13	13	189	12.8	185	47.3	170.3	100.2	22	30	69	467	523	1255	692	1475
GA^{e} 26	7.5	7.5	109	7.3	105	71.0	255.6	150.4	26	35	70	511	569	1255	692	1475
	8.5	8.5	116	8.3	112	66.3	238.7	140.4	26	35	70	511	569	1255	692	1475
	10	10	145	9.8	141	62.0	223.2	131.3	26	35	70	511	569	1255	692	1475
	13	13	189	12.8	185	52.0	187.2	110.1	26	35	70	511	569	1255	692	1475
GA^{e} 30	7.5	7.5	109	7.3	105	80.0	288.0	169.4	30	40	71	524	582	1255	692	1475
	8.5	8.5	116	8.3	112	75.7	272.5	160.3	30	40	71	524	582	1255	692	1475
	10	10	145	9.8	141	71.0	255.6	150.4	30	40	71	524	582	1255	692	1475
	13	13	189	12.8	185	61.3	220.7	129.8	30	40	71	524	582	1255	692	1475

** 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

FAD is measured at the following working pressures:
- 7.5 bar versions at 7 bar
- 8.5 bar versions at 8 bar
- 10 bar versions at 9.5 bar
- 13 bar versions at 12.5 bar

*** Mean noise level measured according to ISO 2151/Pneuro/Cagi PN8NTC2 test code; tolerance 2 dB(A).*

Pressure dew point of integrated refrigerant dryer of GA^{e} 11, GA^{e} 15, GA^{e} 18, GA^{e} 22, GA^{e} 26, GA^{e} 30 at reference conditions 2°C to 3°C, 35°F to 37°F.

H: 1475 mm, 58"
L: 1255 mm, 49"
W: 692 mm, 27"

Technical specifications

GA^{e} 11-30 (60 Hz version)

COMPRESSOR TYPE		Max. working pressure				Capacity FAD*			Installed motor power		Noise level**	Weight (kg)		Length (mm)	Width (mm)	Height (mm)
		WorkPlace		WorkPlace Full Feature								WorkPlace	WorkPlace Full Feature			
		bar(e)	psig	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dB(A)					
60 Hz VERSION																
GA^{e} 11	100	7.4	107	7.2	104	32.4	116.6	68.6	11	15	67	418	472	1255	692	1475
	125	9.1	132	8.9	128	30.2	108.7	64.0	11	15	67	418	472	1255	692	1475
	150	10.8	157	10.3	149	26.0	93.6	55.1	11	15	67	418	472	1255	692	1475
	175	12.5	181	12.3	178	20.7	74.5	43.8	11	15	67	418	472	1255	692	1475
GA^{e} 15	100	7.4	107	7.2	104	44.6	160.6	94.4	15	20	67	425	479	1255	692	1475
	125	9.1	132	8.9	128	40.0	144.0	84.7	15	20	67	425	479	1255	692	1475
	150	10.8	157	10.3	149	35.6	128.2	75.4	15	20	67	425	479	1255	692	1475
	175	12.5	181	12.3	178	30.8	110.9	65.2	15	20	67	425	479	1255	692	1475
GA^{e} 18	100	7.4	107	7.2	104	53.9	194.0	114.1	18.5	25	68	450	504	1255	692	1475
	125	9.1	132	8.9	128	49.8	179.3	105.5	18.5	25	68	450	504	1255	692	1475
	150	10.8	157	10.3	149	45.1	162.4	95.5	18.5	25	68	450	504	1255	692	1475
	175	12.5	181	12.3	178	39.7	142.9	84.1	18.5	25	68	450	504	1255	692	1475
GA^{e} 22	100	7.4	107	7.2	104	63.6	229.0	134.7	22	30	69	467	523	1255	692	1475
	125	9.1	132	8.9	128	58.8	211.7	124.5	22	30	69	467	523	1255	692	1475
	150	10.8	157	10.3	149	53.2	191.5	112.7	22	30	69	467	523	1255	692	1475
	175	12.5	181	12.3	178	48.8	175.7	103.3	22	30	69	467	523	1255	692	1475
GA^{e} 26	100	7.4	107	7.2	104	71.6	257.8	151.6	26	35	70	511	569	1255	692	1475
	125	9.1	132	8.9	128	64.2	231.1	136.0	26	35	70	511	569	1255	692	1475
	150	10.8	157	10.3	149	59.1	212.8	125.2	26	35	70	511	569	1255	692	1475
	175	12.5	181	12.3	178	54.5	196.2	115.4	26	35	70	511	569	1255	692	1475
GA^{e} 30	100	7.4	107	7.2	104	80.0	288.0	169.4	30	40	71	524	582	1255	692	1475
	125	9.1	132	8.9	128	72.3	260.3	153.1	30	40	71	524	582	1255	692	1475
	150	10.8	157	10.3	149	68.3	245.9	144.6	30	40	71	524	582	1255	692	1475
	175	12.5	181	12.3	178	63.2	227.5	133.8	30	40	71	524	582	1255	692	1475

** 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

FAD is measured at the following working pressures:
- 7.5 bar versions at 7 bar
- 8.5 bar versions at 8 bar
- 10 bar versions at 9.5 bar
- 13 bar versions at 12.5 bar

*** Mean noise level measured according to ISO 2151/Pneuro/Cagi PN8NTC2 test code; tolerance 2 dB(A).*

Pressure dew point of integrated refrigerant dryer of GA^{e} 11, GA^{e} 15, GA^{e} 18, GA^{e} 22, GA^{e} 26, GA^{e} 30 at reference conditions 2°C to 3°C, 35°F to 37°F.

H: 1475 mm, 58"
L: 1255 mm, 49"
W: 692 mm, 27"

Technical specifications

GA^{e} 18-30 VSD (50/60 Hz version)

COMPRESSOR TYPE	Max. working pressure		Capacity FAD* Min.-Max.						Installed motor power		Noise level**	Weight (kg)		Length (mm)	Width (mm)	Height (mm)
	WorkPlace		l/s		m³/h		cfm					WorkPlace	WorkPlace Full Feature			
	bar(e)	psig	Min.	Max.	Min.	Max.	Min.	Max.	kW	hp	dB(A)					
9 bar version																
GA^{e} 18 VSD	4	58	15.9	53.0	57.2	190.8	33.7	112.2	18	25	69	463	517	1255	692	1475
	7	102	15.9	53.0	57.2	190.8	33.7	112.2	18	25	69	463	517	1255	692	1475
	9	130	19.1	47.6	68.8	171.4	40.4	100.8	18	25	69	463	517	1255	692	1475
GA^{e} 22 VSD	4	58	18.8	62.5	67.7	225.0	39.8	132.4	22	30	70	480	536	1255	692	1475
	7	102	18.8	62.5	67.7	225.0	39.8	132.4	22	30	70	480	536	1255	692	1475
	9	130	22.5	56.2	81.0	202.3	47.6	119.0	22	30	70	480	536	1255	692	1475
GA^{e} 30 VSD	4	58	24.0	80.0	86.4	288.0	50.8	169.4	30	35	71	540	598	1255	692	1475
	7	102	24.0	80.0	86.4	288.0	50.8	169.4	30	35	71	540	598	1255	692	1475
	9	130	28.4	71.1	102.2	256.0	60.1	150.6	30	35	71	540	598	1255	692	1475

COMPRESSOR TYPE	Max. working pressure		Capacity FAD* Min.-Max.						Installed motor power		Noise level**	Weight (kg)		Length (mm)	Width (mm)	Height (mm)
	WorkPlace		l/s		m³/h		cfm					WorkPlace	WorkPlace Full Feature			
	bar(e)	psig	Min.	Max.	Min.	Max.	Min.	Max.	kW	hp	dB(A)					
13 bar version																
GA^{e} 18 VSD	4	58	13.2	44.0	47.5	158.4	28.0	93.2	18	25	69	463	517	1255	692	1475
	7	102	13.2	44.0	47.5	158.4	28.0	93.2	18	25	69	463	517	1255	692	1475
	10	145	13.2	44.0	47.5	158.4	28.0	93.2	18	25	69	463	517	1255	692	1475
	13	188	15.8	39.6	56.9	142.6	33.5	83.9	18	25	69	463	517	1255	692	1475
GA^{e} 22 VSD	4	58	16.2	54.0	58.3	194.4	34.3	114.4	22	30	70	480	536	1255	692	1475
	7	102	16.2	54.0	58.3	194.4	34.3	114.4	22	30	70	480	536	1255	692	1475
	10	145	16.2	54.0	58.3	194.4	34.3	114.4	22	30	70	480	536	1255	692	1475
	13	188	19.1	47.7	68.8	171.7	40.4	101.0	22	30	70	480	536	1255	692	1475
GA^{e} 30 VSD	4	58	20.4	68.0	73.4	244.8	43.2	144.0	30	35	71	540	598	1255	692	1475
	7	102	20.4	68.0	73.4	244.8	43.2	144.0	30	35	71	540	598	1255	692	1475
	10	145	20.4	68.0	73.4	244.8	43.2	144.0	30	35	71	540	598	1255	692	1475
	13	188	24.3	60.9	87.5	219.2	51.5	129.0	30	35	71	540	598	1255	692	1475

** 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

*** Mean noise level measured according to ISO 2151/Pneuro/Cagi PN8NTC2 test code; tolerance 2 dB(A).*

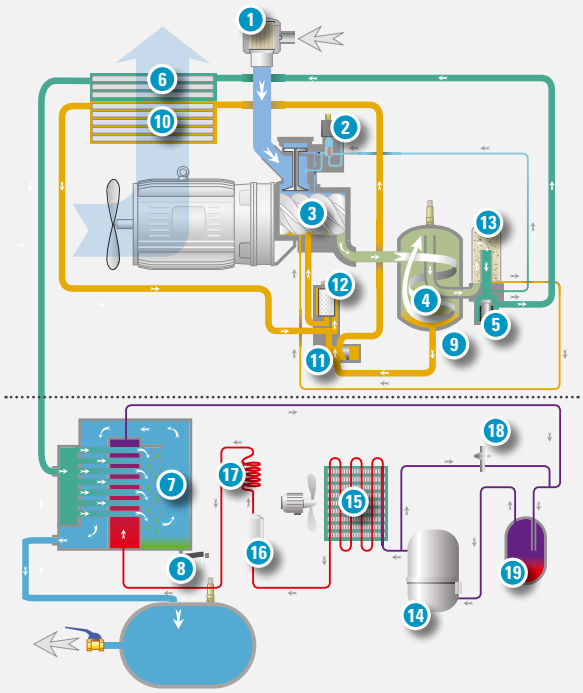
Pressure dew point of integrated refrigerant dryer at reference conditions 2°C to 3°C, 35°F to 37°F.

Maximum working pressure for VSD machines: 13 bar(e) (188 psig).

H: 1475 mm, 58"
L: 1255 mm, 49"
W: 692 mm, 27"

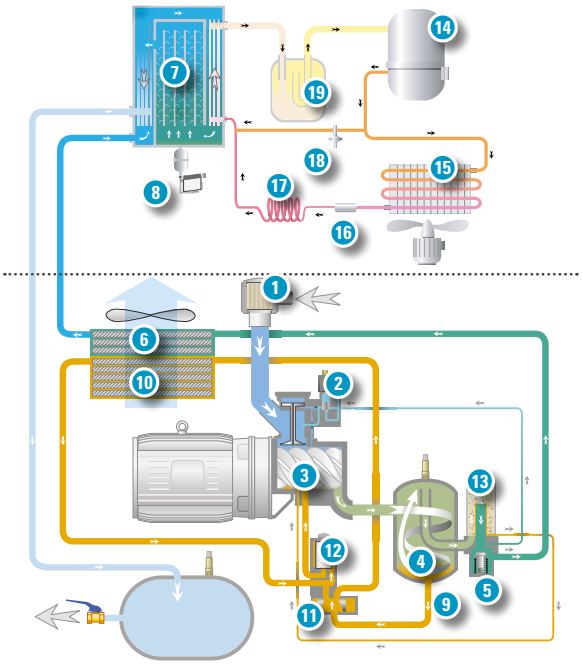
Flow chart

GA 15-22
Standard



Full Feature version (FF)

GA^{e}
Full Feature version (FF)



Standard

- *Intake air*
- *Air/oil mixture*
- *Oil*
- *Wet Compressed air*
- *Condensate*
- *Dry air*
- *Gaseous coolant*
- *Liquid coolant*
- *Compressed air without free water*
- *Dry compressed air*
- *Water*
- *Refrigerant gas/liquid mixture*
- *High pressure, hot refrigerant gas*
- *Low pressure, cool refrigerant gas*
- *High pressure refrigerant liquid*
- *Low pressure refrigerant liquid*

AIR FLOW

1. *Air intake filter*
2. *Air intake valve*
3. *Compression element*
4. *Air/oil vessel*
5. *Minimum pressure valve*
6. *After-cooler*
7. *Air-air heat exchanger*
8. *Water separator with drain*

OIL FLOW

9. *Oil*
10. *Oil cooler*
11. *Thermostatic bypass valve*
12. *Oil filter*
13. *Oil separator*

REFRIGERANT FLOW

14. *Refrigerant compressor*
15. *Condenser*
16. *Liquid refrigerant dryer/filter*
17. *Capilary tube*
18. *Hot gas bypass valve*
19. *Liquid separator*

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