

# Atlas Copco

Medical Air Compressors

GA 5-22 MED / GA 5-15 VSD MED (5-22 kW / 7.5-30 hp)



*Sustainable Productivity*

**Atlas Copco**

# Medical Air: Purity and precision in critical healthcare environments

The critical field of patient care requires a reliable source of compressed air for a variety of applications in various medical establishments. Atlas Copco's GA MED compressors bring outstanding performance, flexible operation and high productivity, while minimizing the total cost of ownership.

Three premium compressor series – GA 5-11 MED, GA 5-15 VSD MED and GA 15-22 MED – means you will certainly find the compressed air solution that perfectly matches your specific requirements. With products that are built to perform according to the latest medical standards ISO 7396-1 and HTM, Atlas Copco commits to keeping your healthcare environment running in the most efficient and safe way.

## Medical air applications:

- Mechanical ventilation
- Anaesthesia
- Drug delivery via a nebulizer
- Testing medical devices
- Drying of medical devices

## Surgical air applications:

- Pneumatic surgical tools (drilling, reaming, sawing, dissecting, tapping and screwing)
- Pneumatic ceiling pendant operation
- Testing of medical devices
- High-speed high torque motors



# The ultimate solutions for medical air

## GA 5-11 MED / GA 15-22 MED: Premium solutions

- ▶ Premium GA MED quality and improved serviceability at the lowest life cycle cost.
- ▶ Extremely low power consumption and noise emission.
- ▶ User-friendly Elektronikon® controller: the most advanced on the market.

## GA 5-15 VSD MED: Ultimate energy savings

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

- ▶ Advanced Variable Speed Drive technology.
- ▶ Average energy savings of 35%.
- ▶ Flexible pressure selection: 5.5-13 bar.

### ■ Highest reliability

GA MED compressors 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, each GA MED contains the latest generation of Atlas Copco's innovative oil-injected screw element.

### ■ Peace of mind

All GA MED compressors are equipped with additional safety protections. Even in case of a single fault condition, the air demand is always assured.



- 1 New levels of energy efficiency thanks to the Elektronikon® controller.



- 2 Amp meter and main switch for increased control and ease of use.



- 3 Easy, plug & play installation via CAN connectors.

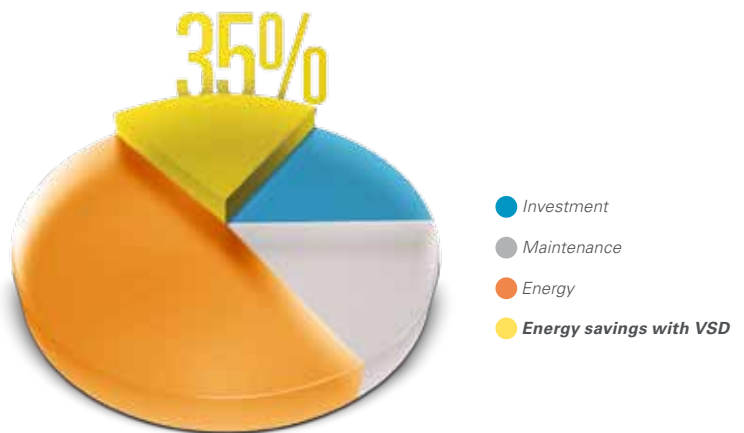


- 4 Temperature sensor and pressure switch for additional safety according to medical requirements.

# The best return on investment

## 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 Variable Speed Drive (VSD) technology in 1994. The GA 5-11 VSD MED range is the ideal solution for a fluctuating air demand. By monitoring the outlet pressure, the air flow is adjusted to the demand. Energy savings of up to 35% become a reality thanks to the high turndown ratio and the new fan saver cycle.



## Maximize your savings

A properly managed compressed air network saves energy, reduces maintenance and decreases downtime. Atlas Copco's ES central controllers are the most efficient way to monitor and control multiple compressors simultaneously as well as dryers and filters.

- ▶ Priority management to ensure the best fit.
- ▶ Multiple pressure set point.
- ▶ Equalized running hours to limit service costs.
- ▶ Optimum zone control.
- ▶ Reduced pressure band.



## Optimizing your system

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.

Options
Electronic condensate drain
Phase sequence relay
Synthetic oil
Tropical thermostat
Anti-condensation heaters
Choke to reduce harmonic filter (only for GA 5-15 VSD MED)

# Technical specifications GA 5-7-11-15-18-22 MED

COMPRESSOR TYPE	Max.working pressure		Capacity FAD*			Installed power		Noise level	Weight	Length	Width	Height	
	bar(e)	psig	l/s	m <sup>3</sup> /h	cfm	kW	hp	dBA	kg	mm	mm	mm	
50 Hz													
GA 5 MED	7.5	7.5	109	15.0	54.0	31.8	5.5	7.5	60	257	1142	699	1240
	10	10	145	11.7	42.1	24.8	5.5	7.5	60	257	1142	699	1240
	13	13	189	8.4	30.2	17.7	5.5	7.5	60	257	1142	699	1240
GA 7 MED	7.5	7.5	109	21.8	78.5	46.2	7.5	10	61	270	1142	699	1240
	10	10	145	17.2	61.9	36.4	7.5	10	61	270	1142	699	1240
	13	13	189	14.2	51.1	30.1	7.5	10	61	270	1142	699	1240
GA 11 MED	7.5	7.5	109	30.7	110.5	65.0	11	15	62	293	1142	699	1240
	10	10	145	26.0	93.6	55.1	11	15	62	293	1142	699	1240
	13	13	189	22.0	79.2	46.6	11	15	62	293	1142	699	1240
GA 15 MED	7.5	7.5	109	43.0	154.8	91.1	15	20	72	375	1285	680	932
	10	10	145	36.3	130.7	76.9	15	20	72	375	1285	680	932
	13	13	189	30.1	108.4	63.8	15	20	72	375	1285	680	932
GA 18 MED	7.5	7.5	109	52.5	189.0	111.2	18.5	25	73	395	1285	680	932
	10	10	145	44.0	156.6	92.2	18.5	25	73	395	1285	680	932
	13	13	189	37.2	133.9	78.8	18.5	25	73	395	1285	680	932
GA 22 MED	7.5	7.5	109	60.2	216.7	127.6	22	30	74	410	1285	680	932
	10	10	145	51.7	186.1	109.5	22	30	74	410	1285	680	932
	13	13	189	45.0	162.0	95.3	22	30	74	410	1285	680	932

COMPRESSOR TYPE	Max.working pressure		Capacity FAD*			Installed power		Noise level	Weight	Length	Width	Height	
	bar(e)	psig	l/s	m <sup>3</sup> /h	cfm	kW	hp	dBA	kg	mm	mm	mm	
60 Hz													
GA 5 MED	100	7.4	107	15.0	54.0	31.8	5.5	7.5	60	257	1142	699	1240
	150	10.8	157	11.7	42.1	24.8	5.5	7.5	60	257	1142	699	1240
	175	12.5	181	8.5	30.6	18.0	5.5	7.5	60	257	1142	699	1240
GA 7 MED	100	7.4	107	21.0	75.6	44.5	7.5	10	61	270	1142	699	1240
	150	10.8	157	17.2	61.9	36.4	7.5	10	61	270	1142	699	1240
	175	12.5	181	14.2	51.1	30.1	7.5	10	61	270	1142	699	1240
GA 11 MED	100	7.4	107	30.4	109.4	64.4	11	15	62	293	1142	699	1240
	150	10.8	157	24.9	89.6	52.8	11	15	62	293	1142	699	1240
	175	12.5	181	22.0	79.2	46.6	11	15	62	293	1142	699	1240
GA 15 MED	100	7.4	107	42.5	153.0	90.1	15	20	72	375	1285	680	932
	150	10.8	157	35.8	128.9	75.9	15	20	72	375	1285	680	932
	175	12.5	181	29.3	105.5	62.1	15	20	72	375	1285	680	932
GA 18 MED	100	7.4	107	51.3	184.7	108.7	18.5	25	73	395	1285	680	932
	150	10.8	157	43.3	155.9	91.7	18.5	25	73	395	1285	680	932
	175	12.5	181	37.8	136.1	80.1	18.5	25	73	395	1285	680	932
GA 22 MED	100	7.4	107	60.6	218.2	128.4	22	30	74	410	1285	680	932
	150	10.8	157	50.7	182.5	107.4	22	30	74	410	1285	680	932
	175	12.5	181	46.5	167.4	98.5	22	30	74	410	1285	680	932

# Technical specifications GA 5-7-11-15 VSD MED

COMPRESSOR TYPE	Max.working pressure		Capacity FAD*			Installed power		Noise level	Weight	Length	Width	Height
	bar(e)	psig	l/s	m <sup>3</sup> /h	cfm	kW	hp	dBA	kg	mm	mm	mm
50 / 60 Hz												
GA 5 VSD MED	7.5	109	5.7-15.0	20.5-54.0	12.1-31.8	5.5	7.5	62	278	1395	699	1240
	10	145	7.1-13.2	25.6-47.5	15.0-28.0	5.5	7.5	62	278	1395	699	1240
	13	188	8.9-10.0	32.0-36.0	18.9-21.2	5.5	7.5	62	278	1395	699	1240
GA 7 VSD MED	7.5	109	4.9-20.3	14.4-73.0	10.4-43.0	7.5	10	64	280	1395	699	1240
	10	145	7.2-16.8	25.9-60.5	15.3-35.6	7.5	10	64	280	1395	699	1240
	13	188	5.1-13.8	23.0-49.7	10.8-29.2	7.5	10	64	280	1395	699	1240
GA 11 VSD MED	7.5	109	6.5-30.7	23.4-110.5	13.8-65.0	11	15	66	293	1395	699	1240
	10	145	8.7-24.1	31.3-86.8	18.4-51.1	11	15	66	293	1395	699	1240
	13	188	7.9-20.7	28.4-74.5	16.7-43.9	11	15	66	293	1395	699	1240
GA 15 VSD MED	7.5	109	9.1-37.1	32.8-133.6	19.3-78.6	7.5	10	69	300	1395	699	1240
	10	145	8.8-30.9	31.7-111.2	18.6-65.5	7.5	10	69	300	1395	699	1240
	13	188	8.5-24.8	30.6-89.3	18.0-52.5	7.5	10	69	300	1395	699	1240

\* Unit performance measured according to ISO 1217, Annex C, latest edition.

\*\* Mean noise level measured at a distance of 1 m according to ISO 2151; tolerance 3 dB(A).

**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(e)
- 10 bar versions at 9.5 bar(e)
- 13 bar versions at 12.5 bar(e)

**Maximum working pressure for VSD machines:**

- 13 bar(e) (188 psig)



### **Driven by innovation**

With more than 135 years of innovation and experience, Atlas Copco will deliver the products and services to help maximize your company's efficiency and productivity. As an industry leader, we are dedicated to offering high air quality at the lowest possible cost of ownership. Through continuous innovation, we strive to safeguard your bottom line and bring you peace of mind.



### **Building on interaction**

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!

