OIL-INJECTED MEDICAL AIR COMPRESSORS

GA 5-11 MED / GA 15-26 MED / GA 7-37 VSD+ MED

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.

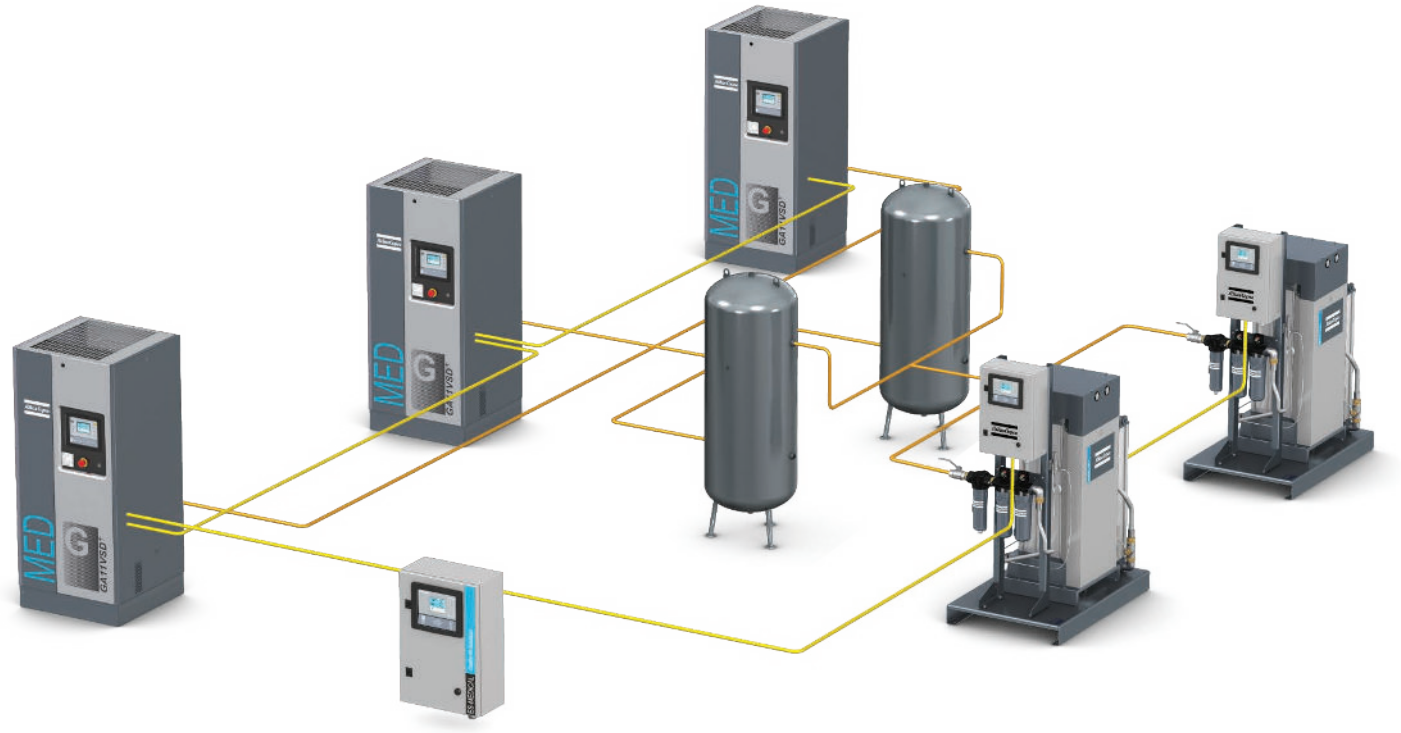
Three premium oil-injected compressor series – GA 5-11 MED, GA 15-26 MED and GA 7-37 VSD+ MED – means you will certainly find the compressed air solution that perfectly matches your specific requirements. With products that are built to perform according to the latest medical standards ISO 7396-1 and 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 SOLUTION FOR MEDICAL AIR

GA 5-11 MED / GA 15-26 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 7-37 VSD+ MED: Ultimate energy and space savings

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

- Advanced Variable Speed Drive technology with new drive train
- Energy savings up to 50%
- Footprint reduction of 55%

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 Modified controller software to increase reliability in conjunction with ES-Medical Central Controller

2 Main switch, amp meter and LAN/local switch for increased control and ease of use.

3 Easy, plug & play installation via CAN connectors.

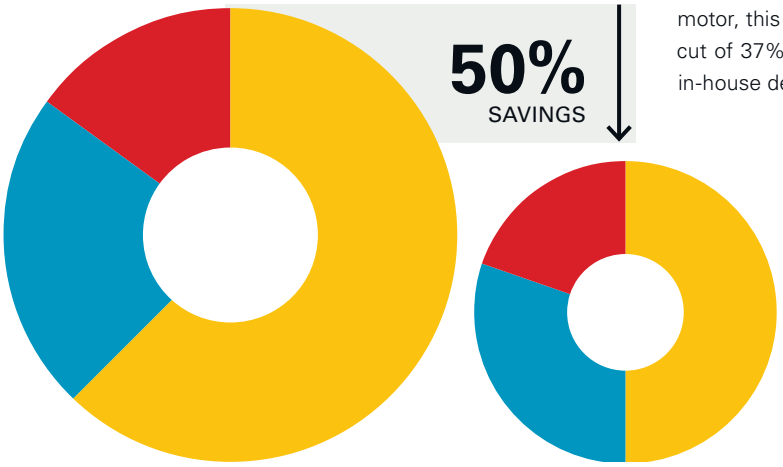
4 Temperature sensor and pressure switch for additional safety according to medical requirements.

Note: Features 2 and 4 are not included on the GA VSD+ MED ISO variant.

THE BEST RETURN ON INVESTMENT

VSD+: For 50% average energy savings

Atlas Copco's GA Variable Speed Drive+ (VSD+) technology closely matches the air demand by automatically adjusting the motor speed. Combined with the innovative design of the iPM (Permanent Magnet) motor, this results in average energy savings of 50% and an average cut of 37% in the lifecycle cost of a compressor. VSD+ works with in-house designed permanent magnet motors.



GA Fixed Speed

GA VSD+

Maximize your savings

A properly managed compressed air network saves energy, reduces maintenance and decreases downtime. Atlas Copco's ES-Medical Central Controller is 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. To meet these needs, Atlas Copco has developed options and easily integrated compatible equipment.

Options	GA 5-11 MED	GA 15-26 MED	GA 7-37 VSD+ MED
Electronic condensate drain	○	○	✓
Phase sequence relay	○	✓	✓
Roto-Xtend duty oil	○	○	○
Tropical thermostat	○	○	○
Anti-condensation heaters	○	○	–
Choke to reduce harmonics	–	–	✓

✓ : *Standard* ○ : *Optional* – : *Not available*

TECHNICAL SPECIFICATIONS

GA 5-7-11-15-18-22-26 MED

COMPRESSOR TYPE		Max.working pressure		Capacity FAD*			Installed power		Noise level	Weight	Length	Width	Height
		bar(e)	psig	l/s	m³/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	45,7	164,5	96,8	15	20	65	455	1280	780	1220
	10	10	145	37,9	136,4	80,3	15	20	65	455	1280	780	1220
	13	13	189	32,4	116,6	68,7	15	20	65	455	1280	780	1220
GA 18 MED	7,5	7,5	109	56,5	203,4	119,7	18,5	28	67	464	1280	780	1220
	10	10	145	47,0	169,2	99,6	18,5	25	67	464	1280	780	1220
	13	13	189	39,5	142,2	83,7	18,5	25	67	464	1280	780	1220
GA 22 MED	7,5	7,5	109	64,6	232,6	136,9	22	30	68	480	1280	780	1220
	10	10	145	54,2	195,1	114,8	22	30	68	480	1280	780	1220
	13	13	189	47,6	171,4	100,9	22	30	68	480	1280	780	1220
GA 26 MED	7,5	7,5	109	72,8	262,1	154,3	26	35	69	490	1280	780	1220
	10	10	145	66,1	238	140,1	26	35	69	490	1280	780	1220
	13	13	189	56,2	202,3	119,1	26	35	69	490	1280	780	1220
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	45,4	163,4	96,2	15	20	65	455	1280	780	1220
	150	10,8	157	38,2	137,5	80,9	15	20	65	455	1280	780	1220
	175	12,5	181	30,9	111,2	65,5	15	20	65	455	1280	780	1220
GA 18 MED	100	7,4	107	56,5	203,4	119.7	18,5	25	67	464	1280	780	1220
	150	10,8	157	45,6	164,2	96,6	18,5	25	67	464	1280	780	1220
	175	12,5	181	41	147,6	86,9	18,5	25	67	464	1280	780	1220
GA 22 MED	100	7,4	107	66	237.6	139,8	22	30	68	480	1280	780	1220
	150	10,8	157	53,7	193,3	113,8	22	30	68	480	1280	780	1220
	175	12,5	181	47,8	172	101.3	22	30	68	480	1280	780	1220
GA 26 MED	100	7,4	107	74,3	267,5	157,4	26	35	69	490	1280	780	1220
	150	10,8	157	62,5	225	132,4	26	35	69	490	1280	780	1220
	175	12,5	181	57,6	207,4	122,0	26	35	69	490	1280	780	1220

GA 7-11-15-18-22-26-30-37 VSD+ MED

COMPRESSOR TYPE	Max.working pressure		Capacity FAD*			Installed power		Noise level	Weight	Length	Width	Height
	bar(e)	psig	l/s	m³/h	cfm	kW	hp	dBA	kg	mm	mm	mm
50/ 60 Hz												
GA 7 VSD+ MED	7	102	21,7	78,1	46	2,9 -7 ,9	3,9 - 10,6	62	208	720	630	1420
	10	145	18	64,8	21,7	2,9 -7 ,9	3,9 - 10,6	62	208	720	630	1420
	13	189	14,2	51,1	30,1	2,9 -7 ,9	3,9 - 10,6	62	208	720	630	1420
GA 11 VSD+ MED	7	102	32,5	117	68,9	2,9 - 12,1	3,9 - 16,2	63	211	720	630	1420
	10	145	27,2	97,9	57,6	2,9 - 12,1	3,9 - 16,2	63	211	720	630	1420
	13	189	23,5	84,6	49,8	2,9 - 12,1	3,9 - 16,2	63	211	720	630	1420
GA 15 VSD+ MED	7	102	41,8	150,5	88,6	3 - 17,1	4 - 22,9	64	214	720	630	1420
	10	145	35,5	127,8	75,2	3 - 17,1	4 - 22,9	64	214	720	630	1420
	13	189	27,9	100,4	59,1	3 - 17,1	4 - 22,9	64	214	720	630	1420
GA 18 VSD+ MED	7	102	62,5	225	132,4	5 - 20,1	6,7 - 26,8	67	387	1590	990	790
	10	145	53,6	193	113,6	5 - 20,1	6,7 - 26,8	67	387	1590	990	790
	13	189	43,5	156,6	92,2	5 - 20,1	6,7 - 26,8	67	387	1590	990	790
GA 22 VSD+ MED	7	102	75,1	270,4	159,1	5,1 - 24	6,8 - 32,2	67	387	1590	990	790
	10	145	65,2	234,7	138,2	5,1 - 24	6,8 - 32,2	67	387	1590	990	790
	13	189	54,1	194,8	114,6	5,1 - 24	6,8 - 32,2	67	387	1590	990	790
GA 26 VSD+ MED	7	102	85,8	308,9	181,8	5,5 - 29	7,4 - 38,9	67	393	1590	990	790
	10	145	78,4	282,2	166,1	5,5 - 29	7,4 - 38,9	67	393	1590	990	790
	13	189	64,5	232,2	136,7	5,5 - 29	7,4 - 38,9	67	393	1590	990	790
GA 30 VSD+ MED	7	102	97,4	350,6	206,4	5,5 - 34,3	7,4 - 46	67	396	1590	990	790
	10	145	85,6	308,2	181,4	5,5 - 34,3	7,4 - 46	67	396	1590	990	790
	13	189	72	259,2	152,6	5,5 - 34,3	7,4 - 46	67	396	1590	990	790
GA 37 VSD+ MED	7	102	115	414	243,7	5,4 - 41,2	7,2 - 55,2	67	386	1590	990	790
	10	145	102,3	368,3	216,8	5,4 - 41,2	7,2 - 55,2	67	386	1590	990	790
	13	189	312,1	183,7	102,3	5,4 - 41,2	7,2 - 55,2	67	386	1590	990	790

* 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)

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

LLOYD'S REGISTER · LRQA
ISO 9001 · ISO 14001
OHSAS 18001

Atlas Copco

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