

Marine Air Systems

Working Air Compressors MAS GA 5-11



- 1 Optimally sized aluminium block and fin-style coolers ensure ideal running temperatures under all conditions. Horizontally mounted and easily accessible coolers
- 2 Cooling air flow is optimized by placing dedicated cooling fans at each point of use
- 3 High efficiency totally enclosed fan-cooled (TEFC), IP 55, class F electric motor provides continuous trouble-free operation. Bearings are greased for life
- 4 Generously sized air intake filter provides efficient operation even in poor quality air conditions
- 5 Simple V-belt drive system employs an optimized belt notch profile that makes the belts run quietly, cool and smoothly for the highest efficiency and maximum life

- 6 Atlas Copco's patented screw element for optimal energy efficiency and outstanding reliability
- 7 Full feature variant with integrated refrigerant-type air dryer which removes water vapor from the compressed air to protect your compressed air piping network, production process and end products
- 8 Multi-stage oil separator yields a 2 ppm oil carry-over for minimum contamination and maintenance
- 9 Automatic electronic control and monitoring of the compressor with Elektronikon® II optimizes the operation for efficiency and reliability

FEATURES AND BENEFITS

ENDURING PERFORMANCE

- The compressors are designed, built and tested to meet the toughest conditions in the engine room, such as ambient temperatures of 50°C/122°F, high humidity, vibrations, and 22.5° inclination tests

FLEXIBLE INSTALLATION AND OPERATION

- The MAS GA 5-11 is delivered on board fully equipped and ready for efficient operation

SAVING SPACE

- Air dryer, compressed air filter, condensate treatment equipment and air receiver can all be integrated in the compressor package. This reduces the installation cost and drastically reduces the required floor space
- Both tank mounted (270 l as standard) and floor mounted versions are available

EASE OF OPERATION

- The advanced Elektronikon control and monitoring system maximizes overall compressor efficiency and reliability and minimizes maintenance costs

OPTIONS

CONDENSATE TREATMENT

- Integrated oil/water separator (OSD)
- Electronic water drain

PROTECTION

- Motor anti-condensate heater
- Motor thermistor
- Phase sequence relay
- Freeze protection

OILS

- Synthetic PAO oil

CONTROL AND MONITORING

- High resolution display for Elektronikon II (required for Chinese, Korean and Japanese characters)

GENERAL OPTIONS

- Lifting device (floor mounted versions only)
- 500 liters air receiver (tank mounted versions only)
- Main power isolator switch
- Special colors
- Modulating control
- Heavy duty inlet filter

APPROVALS

- ABS, BV, DNV, GL, Lloyds, RINA, KR, CCS, RMRS etc.

OTHERS

- Other options such as flanged inlets and outlets, ammeters, motor anti-condensate heater lamps, and more are available on request. Please contact your local Atlas Copco representative for details

TECHNICAL SPECIFICATIONS

COMPRESSOR TYPE	KW	Outlet air temperature				Charging capacity* 50 Hz m ³ /h				Charging capacity* 60 Hz m ³ /h				Weight Air-cooled/ water-cooled kg	Dimensions			Sound level dB(A)	Heat dissipation kW	Cooling	
		Air-cooled		Water-cooled		7.5 bar	8.5 bar	10 bar	13 bar	7.4 bar	9.1 bar	10.8 bar	12.5 bar		L (mm)	W (mm)	H (mm)			Water flow ER l/min	Water-cooled
		Without dryer (P)	With dryer (P)	Without dryer (P)	With dryer (P)																
MAS GA 5	5	a+10°C	a+5°C	N/A	N/A	48	43	37	28	49	43	36	30	260/300	1145	710	1240	60	6	2.5	N/A
MAS GA 7	7	a+10°C	a+5°C	N/A	N/A	69	63	58	45	70	61	57	44	270/315	1145	710	1240	62	8	3.5	N/A
MAS GA 11	11	a+10°C	a+5°C	N/A	N/A	94	86	79	70	94	86	77	66	300/345	1145	710	1240	62	13	5.5	N/A

ER (energy recovery) data is identical to air-cooled unless specified.

Water-cooled calculated with inlet cw temp of 36°C.

a = ambient temp, cwt = cooling water temp inlet, P = Pack.

MAS GA 5-11 also available as tank-mounted version.

* According to ISO 1217, latest edition.

Sound level acc. to ISO 2151.



www.atlascopco.com/marine