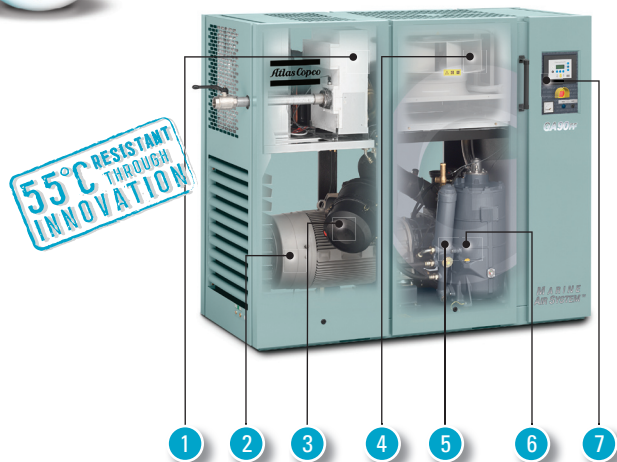


Marine Air Systems

Working Air Compressors GA 30+-90



- 1 The Full Feature variant includes, as standard, an integrated refrigerant dryer which provides guaranteed pressure dewpoint suppression.
- 2 EFF1, totally enclosed fan-cooled (TEFC), IP 55, class F electric motor for continuous trouble-free operation. Bearings are greased for life.
- 3 Heavy duty air intake filter for efficient operation in poor quality air conditions.
- 4 Cooling air flow is optimized by placing dedicated cooling fans at each point of use. This ensures that the right amount of cooling air is delivered efficiently to where it is needed.
- 5 The use of a high-efficiency oil filter (Beta 12/75) ensures a long lifetime under extreme conditions.
- 6 Multi-stage oil separator yields a 2 ppm oil carry-over for minimum contamination and maintenance.
- 7 Automatic electronic control and monitoring of the compressor optimizes the operation for efficiency and reliability. New software includes anti-condensate protection and energy saving algorithms.
- 8 Optimally sized coolers with integrated water separator* ensure ideal running temperatures under all conditions.
- 9 Atlas Copco's screw element for optimal energy efficiency and outstanding reliability*.
- 10 High precision gears manufactured according to DIN 3961 /class 6. Gears are oil lubricated and temperature controlled by the compressor oil. The gearbox is completely enclosed, which makes the drive train maintenance-free*.

* Patented design

Features and benefits

ENDURING PERFORMANCE

- Designed, built and tested to meet the toughest conditions in the engine room. Truly the first compressors on the market to withstand high humidity and temperatures up to 55°C/131°F.
- Built according to all marine notified bodies.
- The no-loss electronic water drain, included as standard, eliminates the compressed air waste conventional drains typically allow. The large diameter port removes the potential for clogging, providing trouble-free operation.

FLEXIBLE INSTALLATION AND OPERATION

- These Marine Air Systems are delivered to site fully equipped and ready for efficient operation.

SAVING SPACE

- The air dryer, compressed air filters, condensate treatment equipment and VSD regulation can all be integrated in the compressor package. This minimizes the installation cost and drastically reduces the required floor space.

EASE OF OPERATION

- The advanced Elektronikon® control and monitoring system maximizes overall compressor efficiency and reliability and minimizes maintenance costs and pressure drop. For the operator's convenience, an isolated handle bar near the Elektronikon® is included as standard.

SETTING THE STANDARD
IN MARINE AIR COMPRESSORS.

Atlas Copco

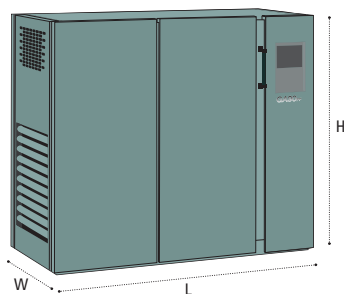
Technical specifications

COMPRESSOR TYPE	Max. working pressure		Capacity FAD**			Installed motor power		Cooling water capacity	Weight
	bar(e)	psig	l/s	m³/h	cfm	kW	hp	m³/h	kg/lbs
60 Hz VERSION*									
GA 30* (A/W)	7.4	107	85.1	306	180	30	40	1.92	780/1720
	9.1	132	76.3	275	162	30	40	1.92	780/1720
	10.8	157	68.3	246	145	30	40	1.92	780/1720
GA 37 (A/W)	7.4	107	97.7	352	207	37	50	2.34	787/1735
	9.1	132	88.7	319	188	37	50	2.34	787/1735
	10.8	157	82.6	297	175	37	50	2.34	787/1735
	12.5	181	71.4	257	151	37	50	2.34	787/1735
GA 45 (A/W)	7.4	107	113.9	410	241	45	60	2.82	821/1810
	9.1	132	102.9	370	218	45	60	2.82	821/1810
	10.8	157	97.7	352	207	45	60	2.82	821/1810
	12.5	181	84.8	305	180	45	60	2.82	821/1810
GA 55 (A/W)	7.4	107	146.3	527	310	55	75	3.99	1145/2524
	9.1	132	133.8	482	284	55	75	3.99	1145/2524
	10.8	157	122.2	440	259	55	75	3.99	1145/2524
	12.5	181	111.9	403	237	55	75	3.99	1145/2524
GA 75 (A/W)	7.4	107	187.7	676	398	75	100	5.47	1500/3307
	9.1	132	168.0	605	356	75	100	5.47	1500/3307
	10.8	157	149.3	537	317	75	100	5.47	1500/3307
	12.5	181	145.8	525	309	75	100	5.47	1500/3307
GA 90 (A/W)	7.4	107	241.7	870.6	512.2	90	125	6.18	1580/3483
	9.1	132	223.6	805.4	473.8	90	125	6.18	1580/3483
	10.8	157	210.0	756.4	445.0	90	125	6.18	1580/3483
	12.5	181	187.0	673.6	396.3	90	125	6.18	1580/3483

GENERAL INFORMATION APPLICABLE TO ALL UNITS	
Maximum ambient temperature	55°C, 131°F***
Max. cooling water inlet temperature	40°C, 104°F
Max. cooling water pressure	5 bar, 73 psig
Compressed air connection size	38.1 mm, 1.5 inch (GA 30*-75) 63.5 mm, 2.5 inch (GA 90)
Cooling water in and outlet size	25.4 mm, 1 inch (GA 30*-45) 38.1 mm, 1.5 inch (GA 55-90)

* 50 Hz data available on request.
 ** Unit performance measured according to ISO 1217, Annex C, Ed. 3
 Reference conditions:
 - Absolute inlet pressure: 1 bar(a), 14.5 psig
 - Relative humidity: 0%
 *** 50°C, 122°F for FF models

DIMENSIONS (L x W x H)		
GA 30*-45	1395 x 865 x 1625 mm	54.9 x 34.1 x 64 inch
GA 55-75	2040 x 970 x 1802 mm	80.3 x 38.2 x 77.9 inch
GA 90	2290 x 1080 x 1960 mm	90 x 42.5 x 77 inch



Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.

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Options

OPTIONAL EQUIPMENT		
Description	MAS	MAS Plus
ISO 8573 Class 1 filter kit*	option	option
ISO 8573 Class 2 filter kit*	option	option
Dryer by-pass*	option	option
OSD	option	option
Energy recovery	option	option
Modulating control	option	option
Lifting device (sales version only)	option	option
Drive motor space heaters and thermistor protection**	N/A	standard
Phase sequence relay***	option	option
Main power disconnect switch	option	standard
AIRConnect™ (visualization and communication)	option	option
ES100 relays	option	standard
Seawater cooling	N/A	option
Block and bleed valves on pressure sensors	N/A	option
Thermowells on temperature sensor	N/A	option
Ammeter on one phase	N/A	standard
Approvals (ABS, BV, CCS, DNV, GLL, LLR, RINA, RMRS...)	N/A	option
Flanged in/outlets	option	option
Customized cable glands	option	option

* Full feature only.
 ** Includes indication lamp and on/off selector switch for heater.
 *** Not on 690V.