

Marine Air Systems

Oil-injected screw compressors MAS GA 11+-22+



- 1 The gearbox's maintenance-free transmission maximizes reliability in any environment
- 2 Standard electronic no-loss drain combined with integrated water separator in the aftercooler
- 3 Standard Fan Saver Cycle

- 4 High-tech Elektronikon® graphic controller
- 5 Standard phase sequence relay

FEATURES AND BENEFITS

EFFICIENT AND RELIABLE

- Industry-leading Free Air Delivery
- Excellent quality, dry air thanks to the new, integrated dryer range which can be outfitted with optional DD and PD filters, resulting in oil carry-over as low as 0.02 ppm

ENDURING PERFORMANCE

- 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 in the harshest conditions (up to 55°C)

LOW COST OF OWNERSHIP

- Minimum energy use thanks to new, integrated dryer range with counterflow heat exchanger, integrated water separator and optional Dryer Saver Cycle
- Optional energy recovery system to recuperate up to 80% of the energy for other industrial applications
- Standard with new Fan Saver Cycle, optimizing oil temperature and saving up to 7% extra

EASE OF OPERATION

- Easy monitoring and maintenance thanks to the Elektronikon graphic controller with high-definition color display
- High-quality consumables are used which have a long lifetime (up to 4000 hours) and can easily be serviced

QUIET OPERATION

- The lowest noise emission in the industry

OPTIONS AND FEATURES

	MAS	MAS*		MAS	MAS*
ISO 8573 Class 1 filter kit*	○	○	ES 100 relay	○	✓
ISO 8573 Class 2 filter kit*	○	○	Flanged in/outlet	○	○
Dryer by-pass*	○	○	Customized cable glands	○	○
Modulating control	○	○	Controller with DSS function	✓	✓
Marine motor	-	✓	Ambient temperature 55°C	✓	✓
Drive motor space heaters and thermistor protection	-	✓	Tropical thermostat	✓	✓
Phase sequence relay	○	○	Halogen free cabling	-	✓
Main power switch	○	✓	Flame retardant cabling	-	✓
Remote control	○	✓	Doorstopper	✓	✓
Voltage free contacts	○	✓	Star-delta start	✓	✓
Amp meter	-	✓	400/440/690 V	✓	✓
Approvals of major classification societies	-	○	Re-silent chocks	✓	✓

* Full Feature versions only.

- : Not available

✓: Standard

○: Optional

TECHNICAL SPECIFICATIONS

COMPRESSOR TYPE	KW	Outlet air temperature				Free Air Delivery(FAD)* 50 Hz m ³ /h				Free Air Delivery(FAD)* 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 11*	11	a+5°C	a+1°C	N/A	N/A	117	109	94	-	114	105	93	-	410/456	1255	692	1475	63	12	5.5	N/A
MAS GA 15*	15	a+5°C	a+1°C	N/A	N/A	150	139	127	106	155	132	123	107	420/470	1255	692	1475	64	17	7.5	N/A
MAS GA 18*	18.5	a+5°C	a+1°C	N/A	N/A	184	174	156	125	190	168	154	129	440/501	1255	692	1475	66	21	9.3	N/A
MAS GA 22*	22	a+5°C	a+1°C	N/A	N/A	196	195	174	145	224	203	181	165	455/523	1255	692	1475	67	25	11.1	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.

* According to ISO 1217, latest edition.

Sound level acc. to ISO 2151.



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