INDUSTRIAL SERIES

410VO

3~ 50 Hz. 400V
VOLVO PENTA
EU STAGE 2
69 dB(A) @ 7 mt
400 lt

AGG. 11/20

PRIME POWER		*STAND-BY POWER*	
kVA	kW	kVA	kW
410	**328**	**452**	**362**

ENVIRONMENTAL CONDITIONS	
Temperature	**40° C**
Height	**1000 mslm**
Humidity	**60%**

OPEN VERSION B400

WEIGHT	*DIMENSIONS*		
kg	L [mm]	W [mm]	H [mm]
3405	**2950**	**1550**	**2100**

SOUNDPROOF VERSION C450

The image is only for demonstration purposes

WEIGHT	*DIMENSIONS*		
kg	L [mm]	W [mm]	H [mm]
4395	**4300**	**1750**	**2350**

Reference standards list: **2014/35/UE** Direttiva bassa tensione – *Low voltage directive* – Directive basse tension

Machinery safety
CEM directive

TECHNICAL DETAILS

ELECTRICAL DATA	*Electrical system type*	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	591,8	A
ENGINE	*Engine*	VOLVO PENTA TAD 1344GE-B	
	Engine emissions standard **(REG. UE 2016/1628)**	EU STAGE 2	
	RPM governor	*Electronic*	
	Performance class	G3	
	Rpm	1500	rpm
	Nr. of cylinders	6	
	Bore x stroke	131 x 158	mm
	Displacement	12780	cc
	Induction system	*Turbocharged*	
	Cooling system	*Water*	
	Engine net prime power	474,5 (354)	Hp (kW)
	Exhaust gas aftertreatment	/	
CONSUMPTION	*Fuel type*	Diesel	
	Consumption **@ 50-75-100%** *load*	44 – 65 – 85	lt/h
	Standard tank capacity	400	lt
	Autonomy **@ 75%** *load*	6,2	h
ALTERNATOR	*Alternator*	STAMFORD – MECC ALTE – MARELLI MOTORI	
	Type	*Self excited, brushless*	
	Number of poles	4	
	Insulation class	H	
	Temperature rise class	H	
	Voltage regulation	AVR	
	Voltage precision	± 1	%
GENERAL	*Sound level (soundproof version)*	69	dB(A) 7mt
	Exhaust pipe diameter	200	mm
	Electrical system voltage	24	V

All data can be found out in the original technical datasheet of the engine and the alternator. Values shown are nominal values, they can change in every moment and without warning.

ELECTRIC PANEL

	MANUAL	AUTOMATIC MAINS FAILURE
Electronic control unit with multimeter	**COMAP AMF25**	**COMAP AMF25**
Electrical panel enclosure protection degree	**IP44**	
ON-OFF electric panel switch	*Key type*	*Without key*
Emergency pushbutton	**STANDARD**	
Battery charge maintainer	**/**	**24V 5A**
Power supply	*Full power terminal*	*Full power terminal*
Circuit breaker	*Magnetothermal type 4P ABB Tmax-T 630A*	*Magnetothermal type 4P ABB Tmax-T 630A*
Main protection alarms	*Min-max V and Hz. LOP. HWT. Battery charger alternator failure. Low fuel level*	

STANDARD ELECTRONIC CONTROL UNIT

COMAP AMF25

Functions: automatic or manual start, remote start, periodic test

Multimeter V (L1, L2, L3, N), A (L1, L2, L3), Hz, kVA, battery V, hour counter

Backlit LCD display. USB port

Communication accessories available: Ethernet, GSM-GPRS, 4G, GPS

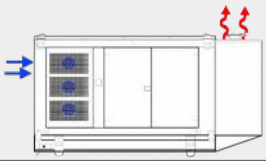
MODBUS and SNMP communication protocols support

Advanced PLC configurability

OPTIONAL ELECTRONIC CONTROL UNIT

DEEP SEA DSE7320 MKII

SOUNDPROOF AND WEATHERPROOF CANOPY

Self-supporting frame material	*Carbon steel sheet, electro-welded, minimum thickness 4 mm*
Soundproof canopy material	*Carbon steel sheet, electro-welded, thickness between 2 and 9 mm*
Painting	*Epoxy powder RAL5015 textured, outdoor-proof*
In-built fuel tank	**400 lt** + *Drip tray*
Soundproofing coating material	*Polyester fiber. Fire resistance EN13501-1 class B*
Muffler	*In-built the canopy. Residential type with sound reduction 35 dB(A)*
Access openings	*n.4 doors with padlockable key lock*
Electric panel	*Lateral side position.* *Dedicated door with padlockable key lock*
Fresh air intake and hot air expulsion	
Lifting system	*n.4 lifting hooks*
Support feet	*n.4 support feet with holes for machine ground fastening*

MAIN OPTIONS

630A automatic transfer switch (ATS)

600 lt bigger fuel tank with drip tray

2250W engine preheating system

Automatic fuel transfer kit with manual by-pass system

Residual current protection relay adjustable in sensitivity and intervention time

OTHER OPTIONS

Power distribution socket set

Synchronizing electric panel

Battery switch

Remote control systems **ETHERNET, 2G - 3G - 4G, GPS**

Further alternator brand

Quick couplings for connecting an external tank with three way valve -

Outdoor, underground and transportable tanks

Slow or fast towing trailer

Front hot air expulsion canopy

Further colors

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