

590VO

AGG. 11/20

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

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
590	472	651	521

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

OPEN VERSION B750
SOUNDPROOF VERSION C500


The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
4490	3450	1550	2300

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
5700	4850	1850	2550

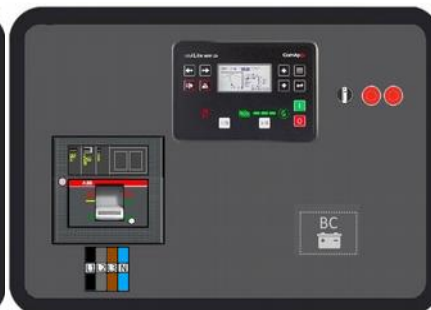
TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	851,6	A
ENGINE	Engine	VOLVO PENTA TAD 1642GE-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	144 x 165	mm
	Displacement	16120	cc
	Induction system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	674,3 (503)	Hp (kW)
	Exhaust gas aftertreatment	/	
CONSUMPTION	Fuel type	Diesel	
	Consumption @ 50-75-100% load	60 – 90 – 122	lt/h
	Standard tank capacity	400	lt
	Autonomy @ 75% load	4,4	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

ELECTRIC PANEL

MANUAL

AUTOMATIC MAINS FAILURE



<i>Electronic control unit with multimeter</i>	COMAP AMF25	COMAP AMF25
<i>Electrical panel enclosure protection degree</i>	IP44	
<i>ON-OFF electric panel switch</i>	<i>Key type</i>	<i>Without key</i>
<i>Emergency pushbutton</i>	STANDARD	
<i>Battery charge maintainer</i>	<i>/</i>	24V 5A
<i>Power supply</i>	<i>Full power terminal</i>	<i>Full power terminal</i>
<i>Circuit breaker</i>	<i>Magnetothermal type 4P ABB Tmax-T 1000A</i>	<i>Magnetothermal type 4P ABB Tmax-T 1000A</i>
<i>Main protection alarms</i>	<i>Min-max V and Hz. LOP. HWT. Battery charger alternator failure. Low fuel level</i>	

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



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

MAIN OPTIONS



1000A automatic transfer switch (ATS)



600 Lt bigger fuel tank with drip tray



2000W engine preheating system with integrated circulating pump



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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