

V400VO

AGG. 11/20

3~ 50 Hz. 400V	
VOLVO PENTA	
EU STAGE5	
69 dB(A) @ 7 mt	
400 lt	

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
400	320	440	352

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

OPEN VERSION B400

SOUNDPROOF VERSION C413500



The image is only for demonstrator purposes

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

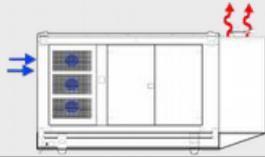
WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
4395	4270	1735	2350

TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	577,4	A
ENGINE	Engine	VOLVO PENTA TAD 1382GE-B	
	Engine emissions standard (REG. UE 2016/1628)	EU STAGE 5	
	RPM governor	Electronic	
	Performance class	G3	
	Rpm	1500	rpm
	Nr. of cylinders	6	
	Bore x stroke	131 x 158	mm
	Displacement	12780	cc
	Inducton system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	461,1 (344) Hp (kW)	
	Exhaust gas afertreatment	/	
CONSUMPTION	Consump ton	Diesel	
	@ 50-75-100% load	42,8 – 53,2 – 85	lt/h
	Standard tank capacity	400	lt
	Autonomy @ 75% load	7,5	h
ALTERNATOR	Alternator	STAMFORD – MECC ALTE – MARELLI MOTORI	
	Type	Self excited, brushless	
	Number of poles	4	
	Insulaton class	H	
	Temperature rise class	H	
	Voltage regulaton	AVR	
	Voltage precision	± 1	%
GENERAL	Sound level (soundproof version)	69	dB(A) 7mt
	Exhaust pipe diameter	200	mm
	Electrical system voltage	24	V

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>

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 630A</i>	<i>Magnetothermal type 4P ABB Tmax-T 630A</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

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

SPECIAL VERSIONS - AUTRES OPTIONS

STANDARD FEATURES

	≤50 kVA	80 kVA	120 kVA	200 kVA	275 kVA	≥550 kVA		
Mechanical fuel gauge	STANDARD	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL		
Electric fuel gauge	OPTIONAL	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD		
Coolant temperature and oil pressure alarm	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD		
Coolant temperature and oil pressure measuring sensor	OPTIONAL	OPTIONAL	STANDARD	STANDARD	STANDARD	STANDARD		
Oil sump pump	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	STANDARD	STANDARD		
110% containment basin	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD		
Noise level compliant to 2000/14/CE	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD		
Galvanized steel mode canopy	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL		
	C20	C30	C50	C100	C200	C300	C450	≥C500

| OTHER OPTIONS |

630A ATS panel (mains-genset)

Bigger fuel tank with drip tray

Engine preheater for starting in cold climate conditions [2 250W]

Automatic fuel transfer kit with manual bypass system

Power distribution panel with 4/6 EEC sockets

Quick couplings for connecting an external tank with three way valve

Remote monitoring and control systems (Ethernet, 4G, GPS)

| OTHER OPTIONS |

Battery switch

Parallel framework between groups or between groups and network

Cab with front/side air intake and/or exhaust

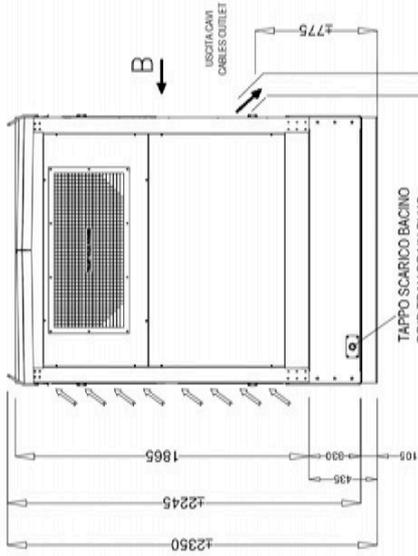
Outdoor, underground and trasportable tanks

Slow or fast towing trailer

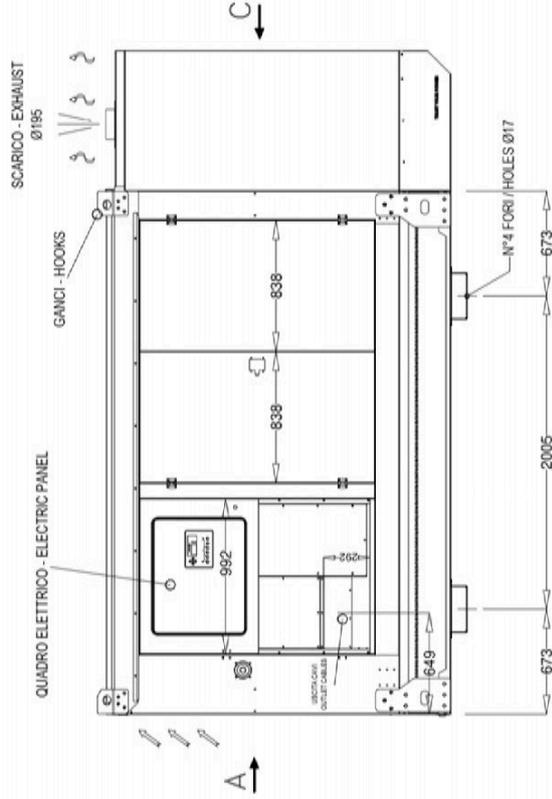
Further colors

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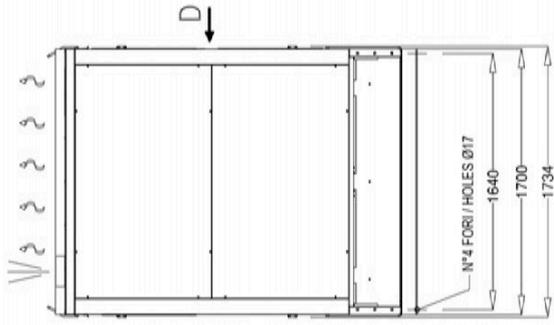
VISTA A - VIEW A



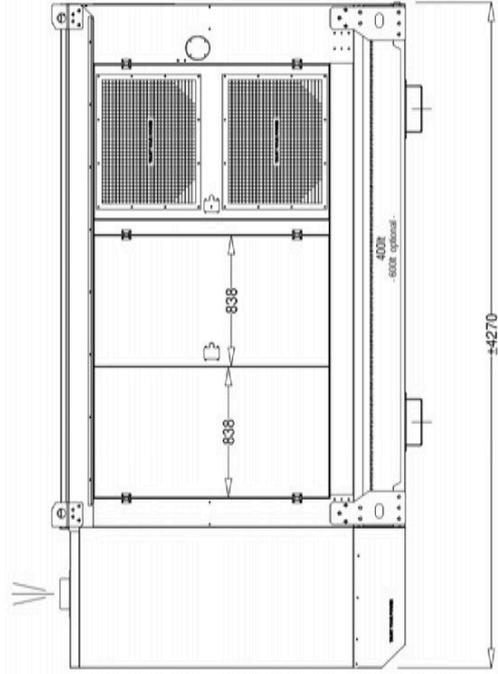
VISTA B - VIEW B



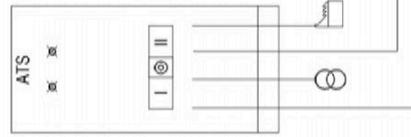
VISTA C - VIEW C



VISTA D - VIEW D



* OPTIONAL



DESCRIZIONE/DESCRIPTION :

GENERATORE SILENZIATO
 SILENCED GENERATING SET

NOTE:

MODELLO/MODEL 350-450KVA
 TIPO/TYPE C450-SX

DATA/DATE: 03/06/22

DESIGN: M.GROPPO

N.DIS. M032-20

REV. 01

VAR. 00

N.FOGLIO/SHEET 00