

INDUSTRIAL SERIES

500VO

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
500	400	556	444,8

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

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

OPEN VERSION B400



WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
3515	2950	1550	2100

SOUNDPROOF VERSION C450



The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
4505	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	721,7	A

ENGINE	Engine	VOLVO PENTA TAD 1346GE	
	Engine emissions standard	(REG. UE 2016/1628) EU STAGE 2	
	RPM governor	Electronic	
	Step load performance (ISO8528-5)	G2 @ 49% G3 @ 41%	
	RPM	1500	rpm
	Nr. Of cylinders	6	
	Bore x stroke	131 x 158	mm
	Displacement	12780	cc
	Aspiration	Turbocharged	
	Cooling system	Water	
	Engine net prime power	572,4 (427)	hp (kW)

CONSUMPTION	Fuel type	Diesel	
	Consumption @ 50% load	52	lt/h
	Consumption @ 75% load	78	lt/h
	Consumption @ 100% load	100	lt/h
	Standard tank capacity	400	lt
	Autonomy @ 75% load	5,1	h

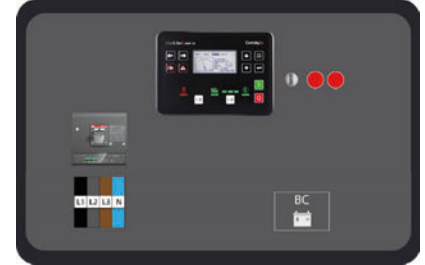
ALTERNATOR	Alternator	STAMFORD - MECC ALTE - LEROY SOMER	
	Type	Self excited, brushless	
	Number of poles	4	
	Insulation class	H	
	Temperature rise class	H	
	Voltage regulation	AVR	
	Voltage precision	± 1	%

GENERAL	Sound level (soundproof version)	69	dB(A) @ 7mt
	Exhaust pipe diameter	193	mm
	Electrical system voltage	24	V

ELECTRIC PANEL

MANUAL

AUTOMATIC



Control unit with multimeter	ComAp IntelliLite 4 AMF 25	ComAp IntelliLite 4 AMF 25
Protection rating of the electrical panel enclosure	IP 44	IP 44
ON-OFF switch control panel	ON/OFF switch bistable with key	ON/OFF switch bistable
Emergency pushbutton	Ø40 mm with twist-release mechanism Compliant with standards: EN/IEC 60947-5-5 EN/ISO13850 IEC 60204-1 2006/42/EC	Ø40 mm with twist-release mechanism Compliant with standards: EN/IEC 60947-5-5 EN/ISO13850 IEC 60204-1 2006/42/EC
Battery charge maintainer	-----	24V - 5A
electrical distribution	Full power terminal	Full power terminal
Circuit breaker	4P Thermal-magnetic circuit breaker ABB Tmax-XT 800A	4P Thermal-magnetic circuit breaker ABB Tmax-XT 800A
Main protection alarms	Min-Max V, Hz, Amp. LOP. HWT. Alternator fault Battery charger Low fuel level	Min-Max V, Hz, Amp. LOP. HWT. Alternator fault Battery charger Low fuel level

STANDARD CONTROL UNIT

ComAp IntelliLite
4 AMF 25



ComAp IntelliLite
4 AMF 25



Functions: 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
 Support for MODBUS and SNMP communication protocols
 Advanced PLC programming
 Communication accessories available: Ethernet, GSM-GPRS, 4G, GPS

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
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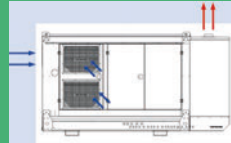
OPTIONAL CONTROL UNIT



DEEP SEA DSE7320 MKII

SOUNDPROOF AND WEATHERPROOF CANOPY



Self-supporting frame material	Pickled, welded steel sheet, min. thickness 4 mm
Soundproof canopy material	Pickled, welded steel sheet, thickness between 1.5 and 6 mm
Painting	Polyester powder for outdoor RAL5015 textured Corrosion resistance class C3m
In-built fuel tank	400 L with bunded base
Sound-absorbing coating material	Polyester fiber. Fire resistance EN13501-1 B s2 d0
Muffler	Inside the cover Residential type Noise reduction: 35 dB(A)
access openings	nr. 5 doors with padlockable lock
Electric Panel	Lateral position Dedicated door with padlockable key lock and inspection window
Fresh air intake and hot air expulsion	
Lifting system	4 lifting eye bolts
Support feet	n.2 feet of support n.4 holes for floor mounting

STANDARD FEATURES

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

OPTIONS

| OTHER OPTIONS |

800A ATS panel (mains-genset)

Bigger fuel tank with drip tray

Engine preheater for starting in cold climate conditions [2 500W with circulation pump]

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

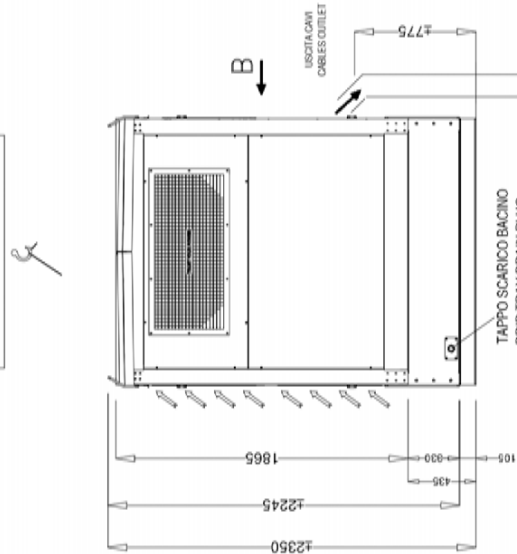
Slow or fast towing trailer

Further colors

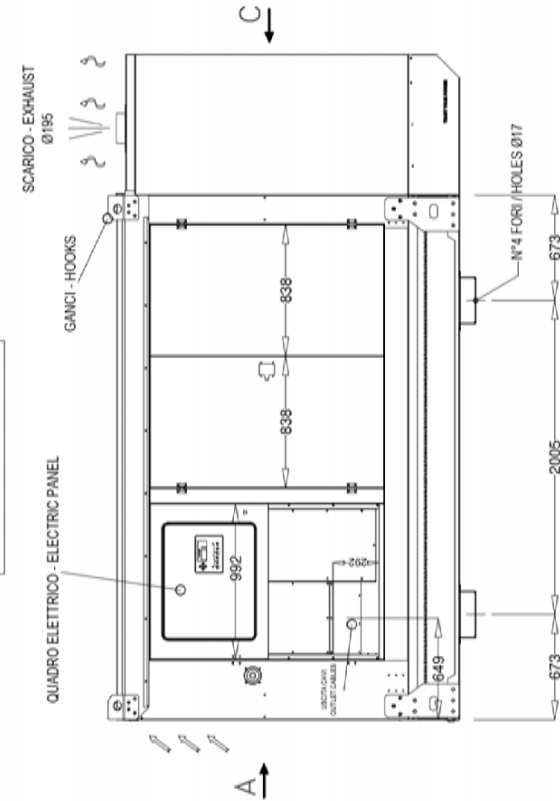
- A TERMINI DI LEGGE, AI SENSI DEGLI ARTICOLI 9 E 99 DELLA LEGGE 633 DEL 22/02/1947
CI RISERVIAMO LA PROPRIETÀ DI QUESTO DISEGNO CON DIVIETO DI RIPRODURLO E DI
RENDERLO NOTO, ANCHE IN PARTE, SENZA NOSTRA AUTORIZZAZIONE SCRITTA.
- SONO VALIDE SOLO LE MISURE QUOTATE
- LE MISURE SONO INDICATIVE

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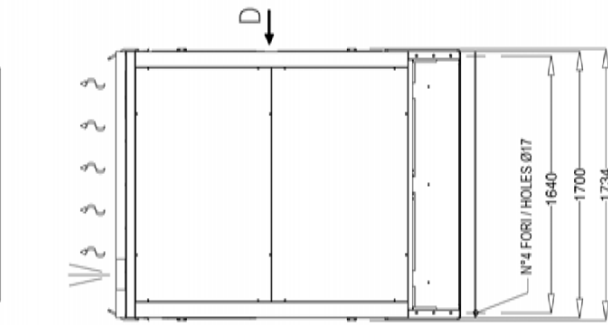
VISTA A - VIEW A



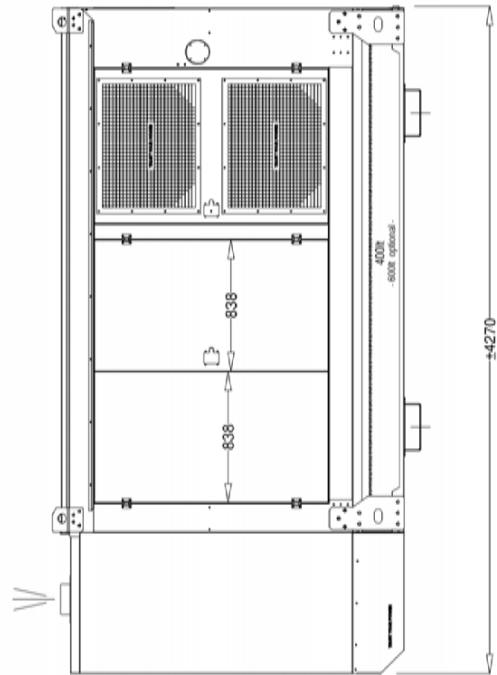
VISTA B - VIEW B



VISTA C - VIEW C



VISTA D - VIEW D



DESCRIZIONE / DESCRIPTION :

GENERATORE SILENZIATO
SILENCED GENERATING SET

NOTE:

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

DATA/DATE: 03/06/22

DISIGN: M. GROppo

N.DIS. M032-20

REV. 01

VAR. 00

N.FOGLIO/SHEET 00

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