INDUSTRIAL SERIES

450F

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

AGG. 11/20

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
450	**360**	**495**	**396**

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

OPEN VERSION B400



WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
3510	**2950**	**1550**	**2100**

SOUNDPROOF VERSION C450



The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
kg	L [mm]	W [mm]	H [mm]
4500	**4270**	**1735**	**2350**

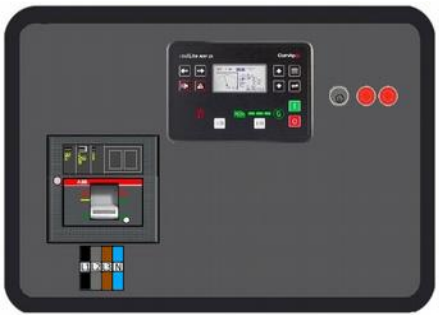
Reference standards list: **2006/42/EC** *Machinery directive*
2014/35/UE *Low voltage directive*
ISO8528-1/10 *Performances ratings*
ISO12100 *Machinery safety*
2014/30/UE *CEM directive*

TECHNICAL DETAILS

ELECTRICAL DATA	*Electrical system type*	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	649,5	A
ENGINE	*Engine*	FPT CURSOR13 TE6W	
	Engine emissions standard **(REG. UE 2016/1628)**	EU STAGE 0	
	RPM governor	*Electronic*	
	Performance class **(ISO8528-5)**	G3	
	Rpm	1500	rpm
	Nr. of cylinders	6	
	Bore x stroke	135 x 150	mm
	Displacement	12880	cc
	Induction system	*Turbocharged*	
	Cooling system	*Water*	
	Engine net prime power	497,3 (371)	Hp (kW)
	Exhaust gas aftertreatment	/	
CONSUMPTION	*Fuel type*	Diesel	
	Consumption **@ 50-75-100%** *load*	51,8 – 71 – 90	lt/h
	Standard tank capacity	400	lt
	Autonomy **@ 75%** *load*	5,6	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	193	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 InteliLite 4 AMF 25**	**ComAp InteliLite 4 AMF 25**
Electrical panel enclosure protection degree	**IP44**	
ON-OFF switch control panel	ON/OFF switch bistable with key	ON/OFF switch bistable
Emergency pushbutton	**STANDARD**	
Battery charge maintainer	**/**	**24V 5A**
Power supply	*Full power terminal*	*Full power terminal*
Circuit breaker	4P Thermal-magnetic circuit breaker ABB Tmax-XT 800A	*Magne4P Thermal-magnetic circuit breaker* *ABB Tmax-XT 800A*
Main protection alarms	Min-Max V, Hz, Amp. LOP. Alternator fault Battery charger 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

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

MODBUS and SNMP communication protocols support

Advanced PLC configurability

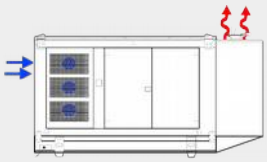
OPTIONAL ELECTRONIC CONTROL UNIT

DSE

DEEP SEA DSE7320 MKII

SOUNDPROOF AND WEATHERPROOF CANOPY

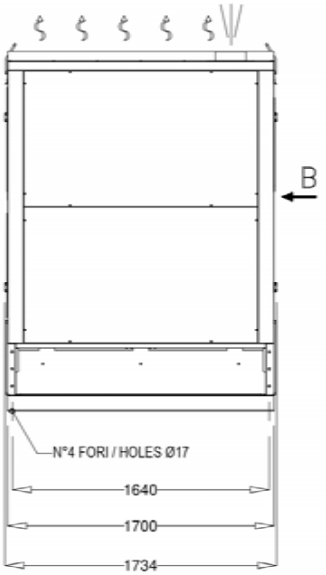


Self-supporting frame material	Pickled, welded steel sheet, min. thickness 4 mm
Soundproof canopy material	Pickled, welded steel sheet, thickness between 1.5 and 6 mm
Painting	Polyester powder for outdoor RAL5015 textured Corrosion resistance class C3m
In-built fuel tank	**400 L with bunded base**
Sound-absorbing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

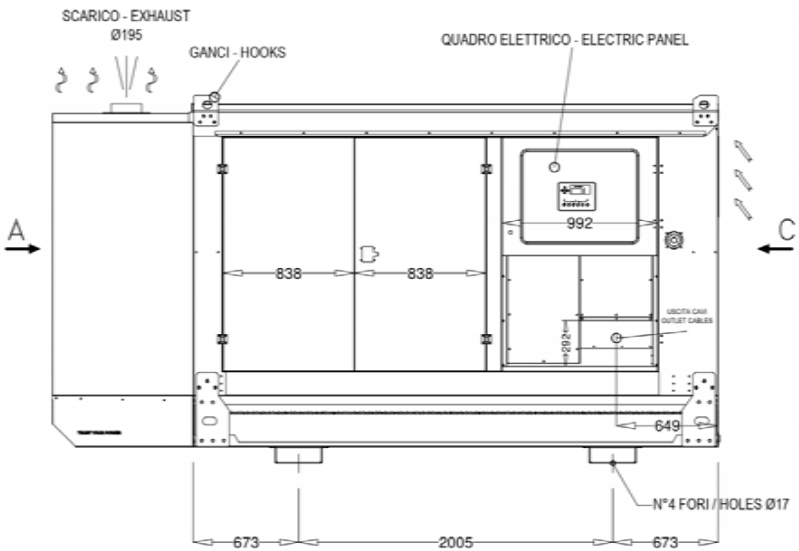
- THIS DRAWING IS THE PTOPERTY OF C.G.M GRUPPI ELETTROGENOIII srl NO PART THIS DOCUMENT MAY BE COPIED OR REPPRODUCED IN ANY WAY WITHOUT WRITTEN AUTHORIZATION.
- ONLY QUOTED MEASURES ARE VALID
- MEASURES ARE INDICATIVE

- A TERMINI DI LEGGE, AI SENSI DEGLI ARTICOLI 9 E 99 DELLA LEGGE 633 DEL 22/02/1947 CI RISERVIAMO LA PROPRIETA' 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

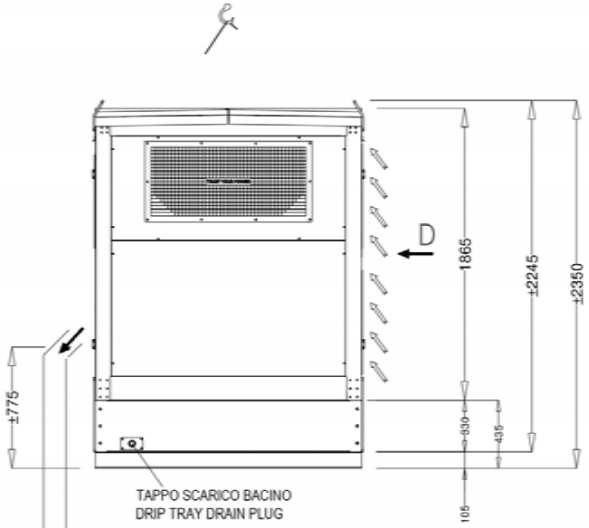
- VIEW A



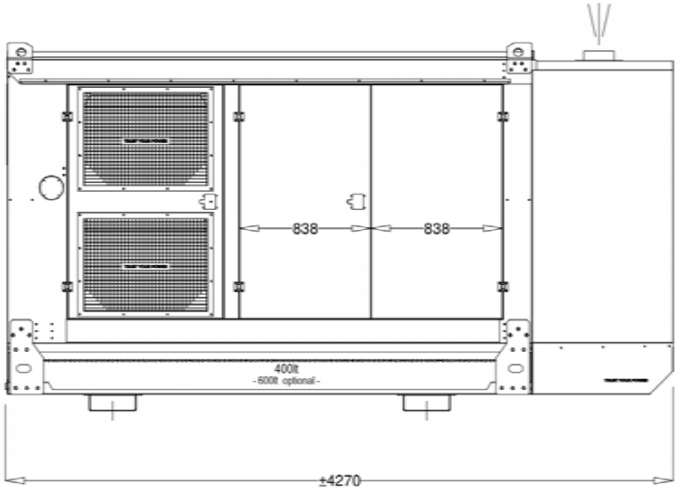
- VIEW B

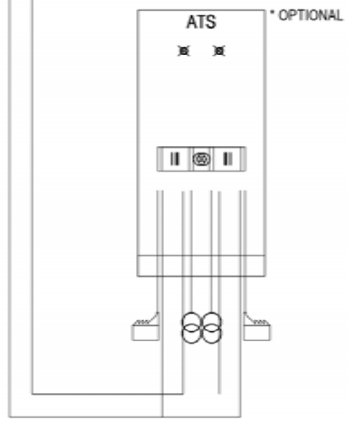


- VIEW C



- VIEW D





Green Power®

/DESCRIPTION :	NOTE:	DATA/DATE:	DISEGN.	N.DIS.
SILENCED GENERATING SET	/MODEL 350-450KVA TYPE C450-DX	03/06/22	M.GROPPO	M032-20
		REV. 01	VAR. 01	N.FOGLIO/SHEET 00

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