

**INDUSTRIAL SERIES**

# V35Y

3~ 50 Hz. 400V	
<b>YANMAR</b>	
EU STAGE 5	
69 dB(A) @ 7 mt	
100 lt	

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
<b>35</b>	<b>28</b>	<b>38,5</b>	<b>30,8</b>

ENVIRONMENTAL CONDITIONS	
Temperature	<b>40° C</b>
Height	<b>1000 mslm</b>
Humidity	<b>60%</b>

**OPEN VERSION B50**

**SOUNDPROOF VERSION C50**



The image is only for demonstration purposes

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>655</b>	<b>1650</b>	<b>850</b>	<b>1650</b>

WEIGHT	DIMENSIONS		
	L [mm]	W [mm]	H [mm]
kg			
<b>830</b>	<b>2000</b>	<b>850</b>	<b>1310</b>

## TECHNICAL DETAILS

<b>ELECTRICAL DATA</b>	Electrical system type	3F+N	~
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	50,5	A
<b>ENGINE</b>	Engine	YANMAR 4TNV98C-IYE	
	Engine emissions standard (REG. UE 2016/1628)	EU STAGE 5	
	RPM governor	Electronic	
	Performance class (ISO8528-5)	G3	
	Rpm	1500	rpm
	Nr. of cylinders	4	
	Bore x stroke	98 x 110	mm
	Displacement	3319	cc
	Induction system	Turbocharged	
	Cooling system	Water	
	Engine net prime power	43,6 (32,5)	Hp (kW)
Exhaust gas aftertreatment	DOC + DPF		
<b>CONSUMPTION</b>	Fuel type	Diesel	
	Consumption @ 50-75-100% load	/ - 6,7 - /	lt/h
	Standard tank capacity	100	lt
	Autonomy @ 75% carico load	15	h
<b>ALTERNATOR</b>	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	%
<b>GENERAL</b>	Sound level (soundproof version)	69	dB(A) 7mt
	Exhaust pipe diameter	60	mm
	Electrical system voltage	12	V

## 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	<b>Con chiave</b> Key type À clé	<b>Senza chiave</b> Without key Sans clé
Emergency pushbutton	STANDARD	
Battery charge maintainer	/	12V 3A
Power supply	ECC IP67 sockets: n.1 3P 16A + n.1 5P 63A	Full power terminal
Circuit breaker	Magnetothermal type 1P+N 16A and 4P 50A	Magnetothermal type 4P 50A
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

## MAIN OPTIONS



90A automatic transfer switch (ATS)



200 lt bigger fuel tank with drip tray



750W engine preheating system



Automatic fuel transfer kit with manual by-pass system



Residual current circuit breaker



Electric fuel floater to check the fuel level from the electronic control unit



Engine oil pressure and cooling water temperature measuring instruments

## 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

## VERSIONS WITH SPECIAL EQUIPMENT

### RENTAL

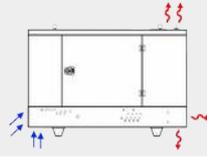
Special version with features designed for the rental market

### ZERO NOISE

Super sound-proofed special version, noise level 50, 55 or 60 dB(A)

## SOUNDPROOF AND WEATHERPROOF CANOPY



<i>Self-supporting frame material</i>	<i>Carbon steel sheet, electro-welded, minimum thickness 2,5 mm</i>
<i>Soundproof canopy material</i>	<i>Carbon steel sheet, electro-welded, thickness between 1,5 and 4,5 mm</i>
<i>Painting</i>	<i>Epoxy powder RAL 5015 textured, outdoor-proof</i>
<i>In-built fuel tank</i>	<b>100 lt + Drip tray</b>
<i>Soundproofing coating material</i>	<i>Polyurethane finished with water-repellent and anti-oil fabric. 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.2 doors with key lock</i>
<i>Electric panel</i>	<i>Short side position. Dedicated protective door with padlockable lock and porthole (only GS with automatic panel)</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>

## CONTAINER TRANSPORTABILITY ADVANTAGES

VERSION	20' BOX	40' BOX	40' HC
	6	13	13
	6	13	26

*N. transportable pieces*

	≤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 allarm	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 |

90A ATS panel (mains-genset)

Bigger fuel tank with drip tray

Engine preheat heater for starting in harsh climate conditions [750W]

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

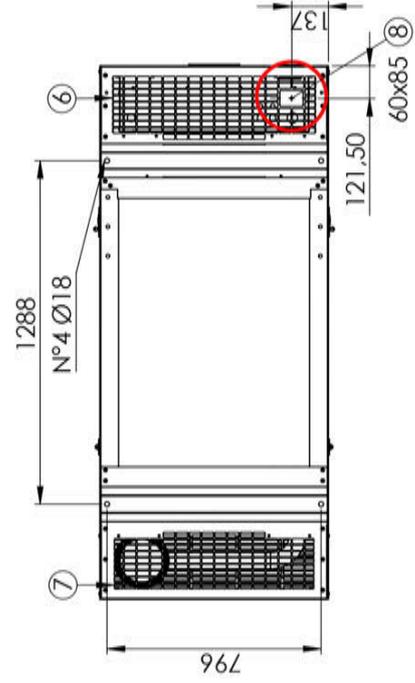
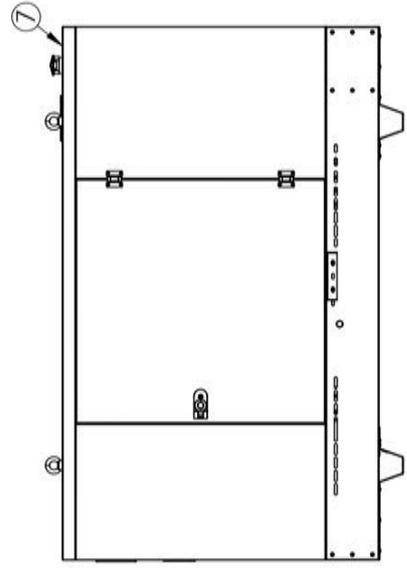
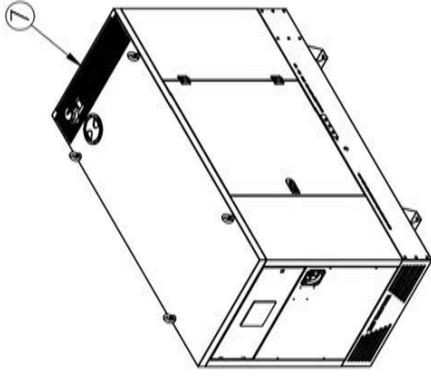
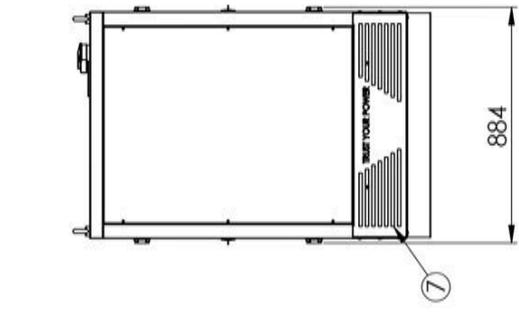
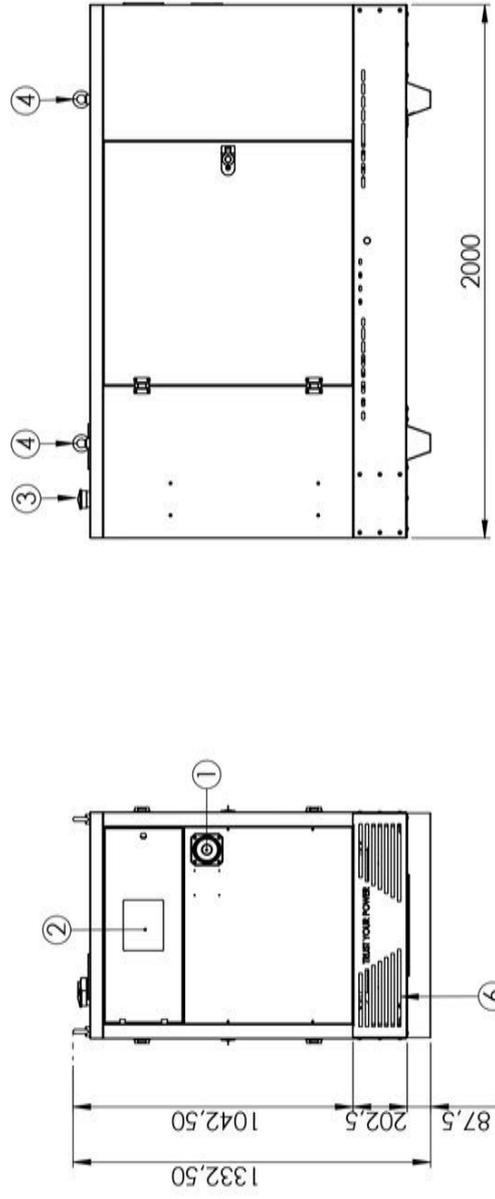
Cab with front/side air intake and/or exhaust

Outdoor, underground and trasportable tanks

Slow or fast towing trailer

Further colors

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 • ONLY QUOTED MEASURES ARE VALID.  
 • MEASURES ARE INDICATIVE.



N°	ENG	ITA	FRA
1	EMERGENCY BUTTON	PULSANTE EMERGENZA	BOUTON D'URGENCE
2	ELECTRICAL PANEL	QUADRO ELETRICO	PANNEAU ELECTRIQUE
3	EXHAUST PIPE	TUBO DI SCARICO	TUYAU D'ECHAPPEMENT
4	LIFTING HOOKS	GANCI DI SOLLEVAMENTO	CROCHETS DE LEVAGE
5	FUEL FILLING POSITION	POSIZIONE RABBOCCO CARBURANTE	POSITION DE REMPLISSAGE DE CARBURANT
6	AIR INLET	ENTRATA ARIA	ENTREE D'AIR
7	AIR OUTLET	USCITA ARIA	SORTIE D'AIR
8	CABLES OUTLET	USCITA CAVI	SORTIE CABLE

GENERATING SET	NOTE/NOTES:	C-50_100LT	
	TITOLO/TITLE:		
	DREG./DRAWN BY	M.Scarsella	N. DS/DRAWING CODE
	DATA/DATE	04/12/2024	
	REVISIONE	00	
	Descriptione Rev.		N. FOGGIO/N° SHEET
	Rev. description		