



TRUST YOUR POWER

Also available in
Rental & Zero Noise version



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INDUSTRIAL SERIES

45P

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
45	36	49,5	39,6

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

3~ 50Hz. 400V	
PERKINS	
EU STAGE 0	
69 dB(A) @ 7 mt	
100 lt	

OPEN VERSION B50



WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
755	1650	850	1600

SOUNDPROOF VERSION C50



The image is only for demonstration purposes

WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
930	2000	885	1335

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



CGM Gruppi Elettrogeni S.r.l. reserves the right to make changes without any obligation of notice.

TECHNICAL DETAILS

ELECTRICAL DATA

Electrical system type	3F+N	~
Power factor	0,8	φ
Voltage	400	V
Frequency	50	Hz
PRP Ampere rating	65	A

ENGINE

Engine	PERKINS 1103A-33TG1	
Engine emissions standard	(REG. UE 2016/1628) EU STAGE 0	
RPM governor	Mechanical	
Step load performance (ISO8528-5)	G2 @ 90% G3 @ ND	
RPM	1500	rpm
Nr. Of cylinders	3	
Bore x stroke	105 x 127	mm
Displacement	3300	cc
Aspiration	Turbocharged	
Cooling system	Water	
Engine net prime power	55 (41)	hp (kW)

CONSUMPTION

Fuel type	Diesel	
Consumption @ 50% load	4	lt/h
Consumption @ 75% load	5,6	lt/h
Consumption @ 100% load	7,2	lt/h
Standard tank capacity	100	lt
Autonomy @ 75% load	17,8	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	60	mm
Electrical system voltage	12	V

ELECTRIC PANEL

MANUAL

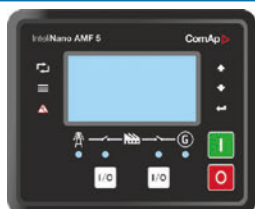
AUTOMATIC



Control unit with multimeter	ComAp IntelliNano AMF 5	ComAp IntelliLite 4 AMF 8
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	- - - - -	12V - 5A
electrical distribution	CEE sockets IP67: n.1 3P 16A + n.1 5P 63A	Full power terminal
Circuit breaker	Thermal-magnetic circuit breaker 1P+N 16A and 4P 63A	Thermal-magnetic circuit breaker 4P 63A
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 IntelliNano AMF 5



Functions: manual start, remote start, periodic test
 Multimeter V (L1, L2, L3, N), A (L1, L2, L3, N), Hz, kVA, battery V, hour counter
 Backlit LCD display. USB port
 Communication accessories available: Ethernet, GSM-GPRS, 4G, GPS

ComAp IntelliLite 4 AMF 8



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

OPTIONAL CONTROL UNIT



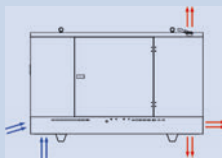
DEEP SEA DSE4520 MKII
 DEEP SEA DSE7320 MKII



COMAP AMF25

SOUNDPROOF AND WEATHERPROOF CANOPY



Self-supporting frame material	Steel plate, pickled, welded, minimum thickness 2.5 mm
Soundproof canopy material	Steel plate, pickled, welded, thickness between 1.5 and 4.5 mm
Painting	Polyester powder for outdoor RAL5015 textured Corrosion resistance class C3m
In-built fuel tank	100 lt with drip tray
Sound-absorbing coating material	Polyurethane finished with water-repellent, and anti-oil fabric. Fire resistance EN13501-1 class B
Muffler	Inside the cover Residential type Noise reduction: 35 dB(A)
access openings	n.2 doors with key lock
Electric Panel	Position on the short side Dedicated lockable door and inspection window (only for Gensets with automatic panel)
Fresh air intake and hot air expulsion	
Lifting system	n.4 galvanised hooks
Support feet	n.2 feet of support n.4 holes for floor mounting

TRANSPORTABILITY IN CONTAINERS

VERSION		20' BOX	40' BOX	40' HC
	N. Transportable parts	6	13	13
	N. Transportable parts	6	13	26

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 |

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

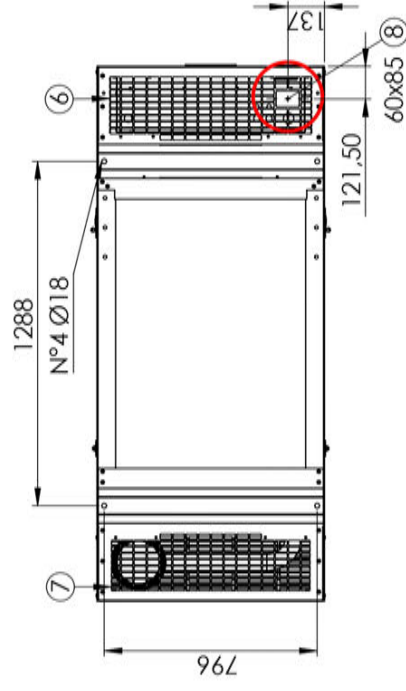
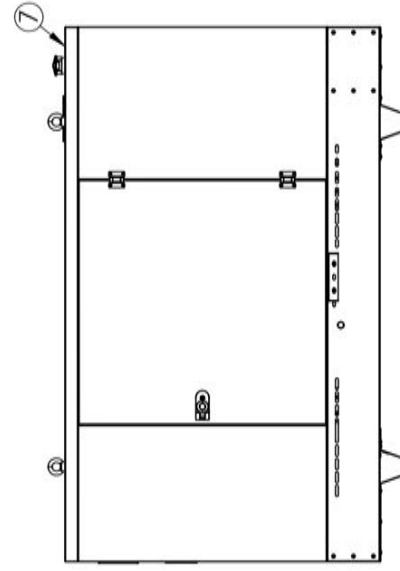
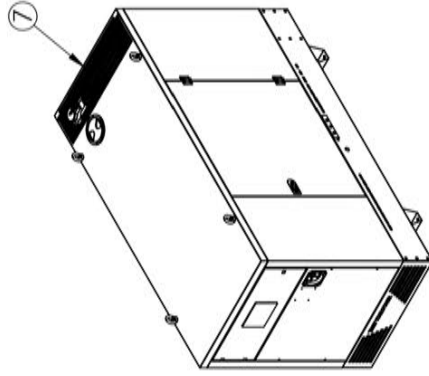
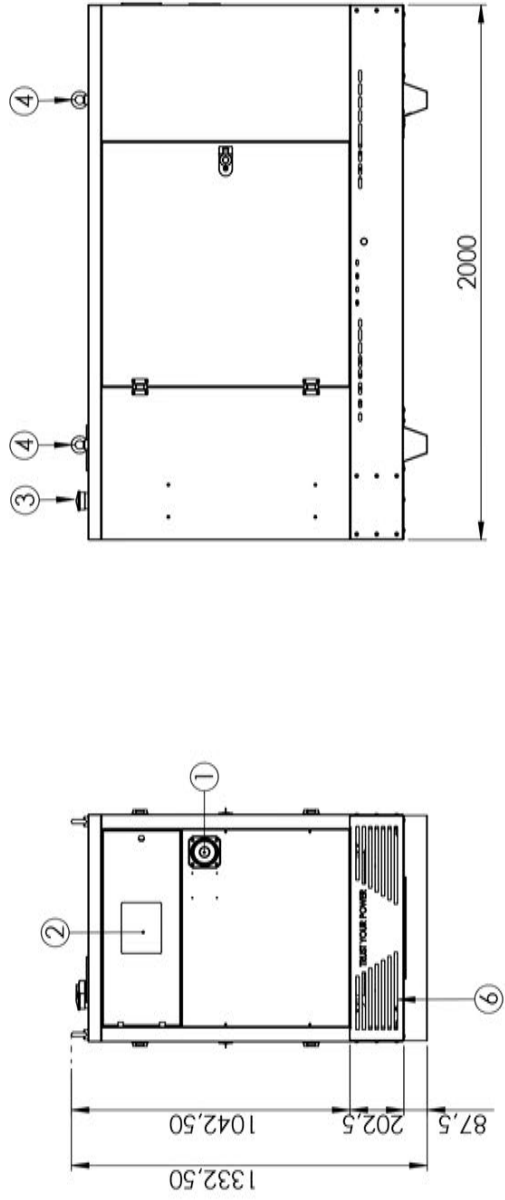
Cab with front/side air intake and/or exhaust

Outdoor, underground and trasportable tanks

Slow or fast towing trailer

Further colors

Electronic engine speed governor



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

 YOUR POWER	C.G.M. Gruppi Elettrogeni srl Via Decima Strada 3, 36071 Arzignano (VI) ITALY T. +39 0444 673712 info@cgmitalia.it www.cgmitalia.it Il presente documento può essere modificato senza preavviso e senza responsabilità della C.G.M.	 GENERATING SET	NOTE/NOTES: C50_100LT	DATA/DATE 04/12/2024	DISEG./DRAWN BY M.Scarsella	
				REVISIONE 00	Descrizione Rev. Rev. description	

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