



TRUST YOUR POWER

Also available in
Rental & Zero Noise version



C.G.M. Gruppi Elettrogeni srl

a socio unico

Via Decima Strada 3, 36071

Arzignano (VI) ITALY

T. +39 0444 673712

P. IVA 02844740247

info@cgmitalia.it - www.cgmitalia.it

INDUSTRIAL SERIES

20P

PRIME POWER		STAND-BY POWER	
kVA	kW	kVA	kW
20	16	22	17,6

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

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

OPEN VERSION B20



WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
495	1400	700	1400

SOUNDPROOF VERSION C20



The image is only for demonstration purposes

WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
590	1580	735	1105

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	28,9	A

ENGINE

Engine	PERKINS 404A-22G1	
Engine emissions standard	(REG. UE 2016/1628) EU STAGE 0	
RPM governor	Mechanical	
Step load performance (ISO8528-5)	G2 @ 100% G3 @ ND	
RPM	1500	rpm
Nr. Of cylinders	4	
Bore x stroke	84 x 100	mm
Displacement	2216	cc
Aspiration	Natural	
Cooling system	Water	
Engine net prime power	24,7 (18,4)	hp (kW)

CONSUMPTION

Fuel type	Diesel	
Consumption @ 50% load	3	lt/h
Consumption @ 75% load	4	lt/h
Consumption @ 100% load	5,3	lt/h
Standard tank capacity	55	lt
Autonomy @ 75% load	13,8	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)	68	dB(A) @ 7mt
Exhaust pipe diameter	48	mm
Electrical system voltage	12	V

ELECTRIC PANEL

MANUAL

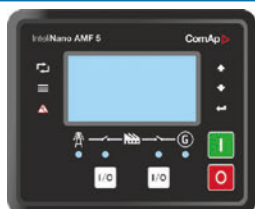
AUTOMATIC



	ComAp IntelliNano AMF 5	ComAp IntelliLite 4 AMF 8
Control unit with multimeter		
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 32A	Full power terminal
Circuit breaker	Thermal-magnetic circuit breaker 1P+N 16A and 4P 32A	Thermal-magnetic circuit breaker 4P 32A
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



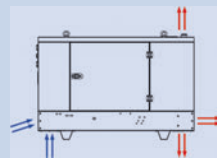
DEEP SEA DSE4520 MKII
 DEEP SEA DSE7320 MKII



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	55 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	11	24	24
	N. Transportable parts	22	46	46

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 |

32A 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

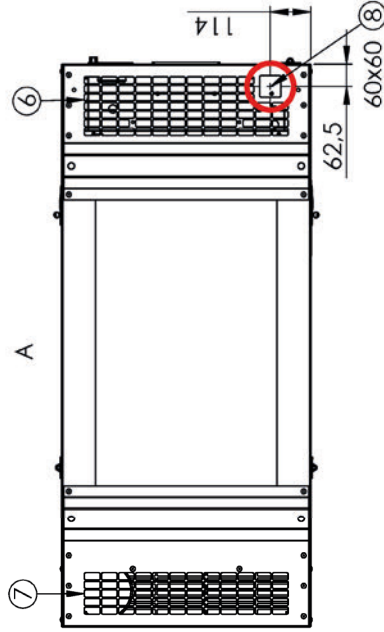
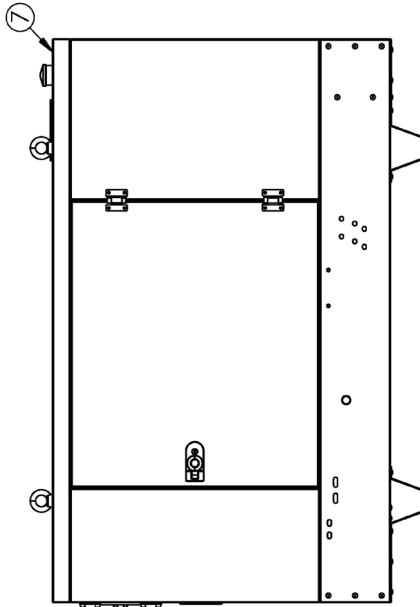
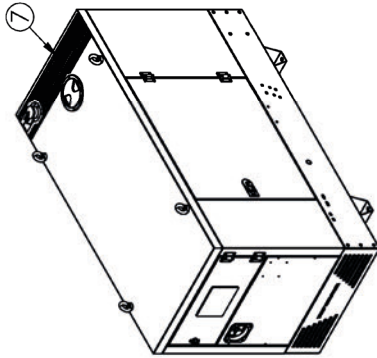
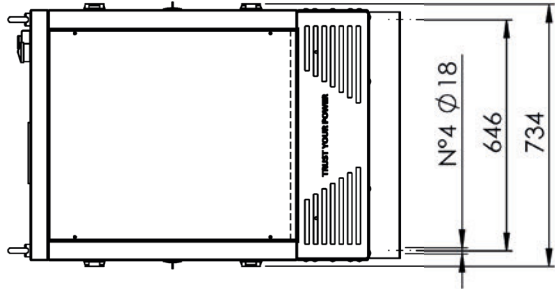
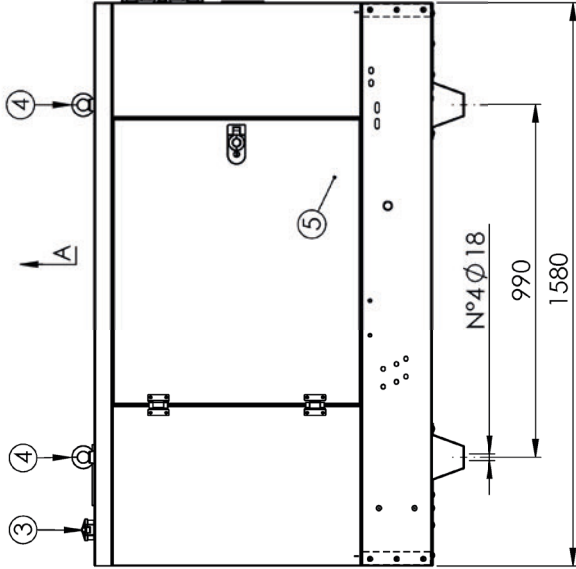
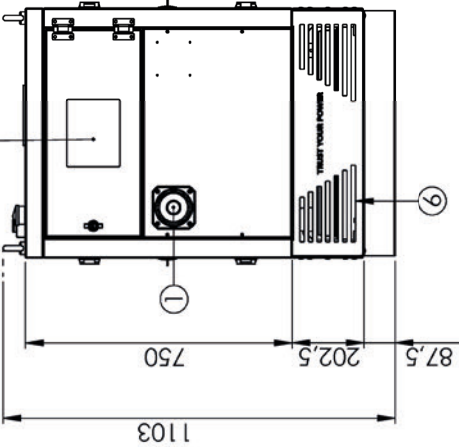
Slow or fast towing trailer

Further colors

Electronic engine speed governor

• THIS DOCUMENT IS THE PROPERTY OF C.G.M. GRUPPI ELETTROGENI srl. NO PART OF THIS DOCUMENT MAY BE COPIED OR REPRODUCED IN ANY WAY WITHOUT WRITTEN AUTHORIZATION.
• ONLY QUOTED MEASURES ARE VALID.
• LE MISURE SONO INDICATIVE.

• CI RISERVIAMO LA PROPRIETÀ DI QUESTO DISEGNO CON DIVIETO DI RIPRODURLO E DI RENDERSLO NOTO, ANCHE IN PARTE, SENZA NOSTRA AUTORIZZAZIONE SCRITTA.
• SONO VALIDE SOLO LE MISURE QUOTATE
• LE MISURE SONO INDICATIVE



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	GANGI DI SOLLEVAMENTO	CROCHETS DE LEVAGE
5	FUEL FILLING POSITION	POSIZIONE RABBOCCO CARBURANTE	POSITION DE REMPLISSAGE DE CARBURANT
6	AIR INLET	ENTRATA ARIA	ENTRÉE D'AIR
7	AIR OUTLET	USCITA ARIA	SORTIE D'AIR
8	CABLES OUTLET	USCITA CAVI	SORTIE CABLE



TRUST YOUR POWER

C. G. M. Gruppi Elettrogeni srl
Via Decima Strada, 3, 38071
Arco (TN) ITALY
T. +39 0444 873712
info@gruppi.it
www.gruppi.it



ANALISI E CERTIFICAZIONE DEL SISTEMA
DI GESTIONE DELLA QUALITÀ - ISO 9001:2015

TITOLO/TITLE:
GENERATING SET

C20_55LT

DATA/DATE	DESIGN/DRAWN BY	N. DIS/DRAWING CODE
11/11/2024	M.Scarsella	
REVISIONE	Descriptione Rev.	N. FOGGIO/N° SHEET
00	Rev. description	



