



TRUST YOUR POWER

Also available in
Rental & Zero Noise version



18B

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INDUSTRIAL SERIES

3~ 50Hz. 400V

BAUDOUIN

EU STAGE 0

69 dB(A) @ 7 mt

100 lt

PRIME POWER		STAND-BY POWER	
KVA	kW	KVA	kW
18	14,4	19,8	15,8

ENVIRONMENTAL CONDITIONS

Temperature **40°C**

Altitude **1000 mslm**

Humidity **60%**

OPEN VERSION B50



SOUNDPROOF VERSION C30



The image is only for demonstration purposes

WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
570	1650	850	1600

WEIGHT		DIMENSIONS	
kg	L [mm]	W [mm]	H [mm]
745	1800	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	26	A	
ENGINE			
Engine	BAUDOUIN 4M06G2D0/S		
Engine emissions standard	(REG. UE 2016/1628) EU STAGE 0		
RPM governor	Electronic		
Load step performance (ISO8528-5)	G2 @ ND G3 @ ND		
RPM	1500	rpm	
Nr. Of cylinders	4		
Bore x stroke	89 x 92	mm	
Displacement	2300	cc	
Aspiration	Natural		
Cooling system	Water		
Engine net prime power	22,8 (17)	hp (kW)	
CONSUMPTION			
Fuel type	Diesel		
Consumption @ 50% load	3,6	lt/h	
Consumption @ 75% load	5	lt/h	
Consumption @ 100% load	6,5	lt/h	
Standard tank capacity	100	lt	
Autonomy @ 75% load	20	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 InteliNano AMF 5	ComAp InteliLite 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 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 InteliNano AMF 5
ComAp InteliLite 4 AMF 8



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



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



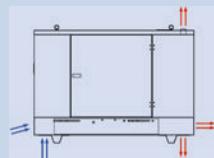
DEEP SEA DSE4520 MKII
DEEP SEA DSE7320 MKII

ComAp

COMAP AMF25

SOUNDPROOF AND WEATHERPROOF CANOPY



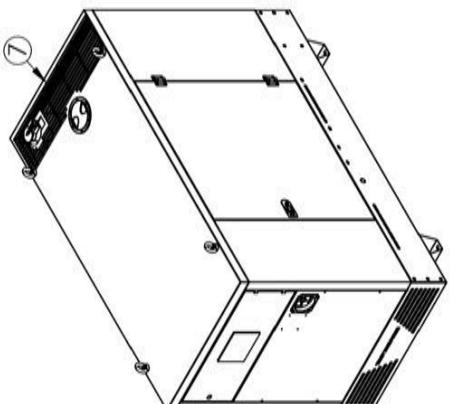
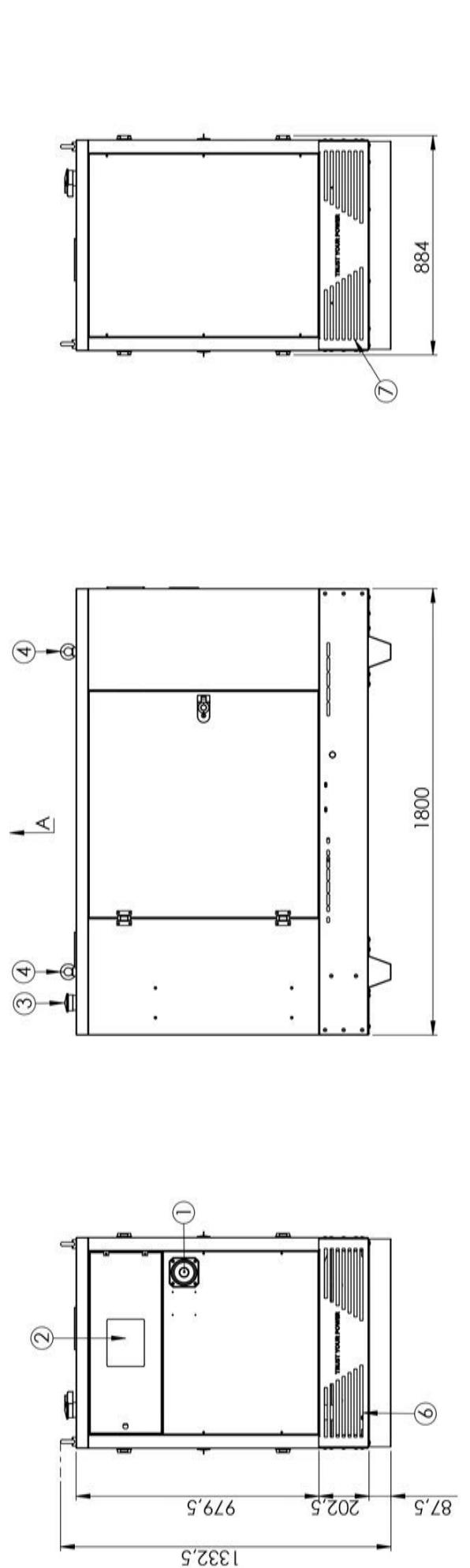
Self-supporting frame material	Steel plate, pickled, welded, minimum thickness 2.5 mm
Soundproof canopy material	Steel plate, pickled, welded, thickness between 1.5 and 4.5 mm
Painting	Polyester powder for outdoor RAL5015 textured Corrosion resistance class C3m
In-built fuel tank	100 lt with drip tray
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 alarm	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	OTHER OPTIONS
32A ATS panel (mains-genset)	Battery switch
Bigger fuel tank with drip tray	Parallel framework between groups or between groups and network
Engine preheat heater for starting in harsh climate conditions [750W]	Cab with front/side air intake and/or exhaust
Automatic fuel transfer kit with manual bypass system	Outdoor, undergound and trasportable tanks
Power distribution panel with 4/6 EEC sockets	Slow or fast towing trailer
Quick couplings for connecting an external tank with three way valve	Further colors
Remote monitoring and control systems (Ethernet, 4G, GPS)	



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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	ENTRATA ARIA	ENTREE D'AIR
7	AIR OUTLET	USCITA ARIA	SORTIE D'AIR
8	CABLES OUTLET	USCITA CAVI	SORTIE CABLE

NOTE/NOTES:

GENERATING SET



www.cognitiva.it
AZIENDA CON SISTEMA CERTIFICATO DAL ROSA.





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