

DATA SHEET

MODEL

70104032



kVA PRIME **kVA** STAND-BY

30 kVA

32 kVA

T PHASES **V** VOLTAGE

THREE-PHASE

400 V

OIL COOLED **GAS**

OIL

DIESEL

RPM RPM **Hz** Hz

1500 RPM

50 Hz

MOTOR

DEUTZ

ALTERNATOR

MECCALTE



POWER

DATA SHEET

MODEL

70104032



kVA	PRIME	30 kVA
kVA	STAND-BY	32 kVA
T	THREE-PHASE	
V	VOLTAGE	400 V
Hz	50 Hz	
RPM	RPM	1500 RPM
OIL	COOLED	OIL
D	GAS	DIESEL
SPK	SOUNDPROOF	

MOTOR	MODEL	ALTERNATOR	MODEL
DEUTZ	F4M2011	MECCALTE	ECP28-VL/4

ENGINE DATA SHEET

Manufacturer's brand		DEUTZ
Model		F4M2011
Power	kVA	41.4/ 30.9
Power data according to standards		ISO 14396
Rated speed	r.p.m.	1500
Total displacement	liters	3,109
N° of cylinders		4 en línea
Bore x stroke	mm	94 x 112
Compression ratio		19:1
COOLING SYSTEM		
Cooling type		Air/oil
Max. environment temperature for radiator	°C	50
Radiator air flow at 50°C	m3/h	1800
Engine coolant volume	liters	N.A.
Whole system coolant volume	liters	N.A.
		130
		135
		95
AIR INTAKE SYSTEM		
Air intake type		Natural
Air filter type		Radial
Air intake max. flow (air 1,2 kg/m3)	m3/h	122
Heat exchanger charge air / water		N.D.
LUBRICATION SYSTEM		
Max oil quantity including filter	liters	10
Oil change hours interval		500

**POWER**

Minimum oil specs		TR0199-99-1217
Factory fill oil viscosity (SAE)		15W40
FUEL SYSTEM		
Governor and injection type		Mechanical
Fuel consumption at 100% of load	liters/hour	8,9
Fuel consumption at 75% of load	liters/hour	6,3
Fuel consumption at 50% of load	liters/hour	4,5
EXHAUST SYSTEM		
Exhaust gas max. temperature	°C	599
Exhaust gas flow	kg/h	337
Max. back pressure exhaust gases	kPa	30
ELECTRICAL SYSTEM		
Battery charging system		Alternador - 55A
Batteries specs	V/Ah/CCA	1x12/55/66

Model	COMAP InteliNano PLUS
VALUES DISPLAYED ON THE SCREEN	
Generator parameters	U1-U3, I1, Hz
Battery voltage	●
Gen set operating hours	●
Analogic oil pressure	Consult us
Engine coolant temperature	Consult us
Engine r.p.m.s	Consult us
Fuel level	Consult us
MESSAGES DISPLAYED	
Parameters configuration and times programming	●
Alarms	●
ALARMS	
Starting fault (Shutdown)	●
Low oil pressure (Shutdown)	●
Water high temperature (Shutdown)	●
Overspeed (Shutdown)	●
Emergency shutdown mushroom activated (Shutdown)	●
Generator overload (Shutdown)	●
Generator short circuit (Shutdown)	●
Generator overload (Shutdown)	●
Generator frequency out of range (Shutdown)	●
Low battery voltage/broken charging alternator belt	●
Low fuel level	●
Low battery voltage (Warning)	●
Optional alarms (Warning/Shutdown)	●
Voltages assymetry (Shutdown)	●
Currents assymetry (Shutdown)	●

CONTROL, PROTECTION AND INDICATION IN ELECTRICAL PANELBOARD	
Overcurrent protection	Circuit Breaker + Controller
Earth leakage protection	Electronic relay
Emergency shutdown mushroom pushbutton	Included
Motorized breaker (consult the possibility of contactor)	Optional. Included in "Parallel" version



POWER

PARALLEL CONECTION FOR "PARALLEL" VERSION COMAP IntelliCompact NT MINT

Optimisation of running engines depending on the current load	•
Automatic synchronizing and load sharing	•
Voltage and power factor regulation (AVR)	•
Active and reactive power distribution	•

SPECIAL EQUIPMENT FOR "STANDBY (AMF)" VERSION

Battery charger	Included in STANDBY Version (AMF)
Coolant heater resistance	Included in STANDBY Version (AMF)
MAINS-GENSET switching cabinet	Optional

ALTERNATOR DATA SHEET

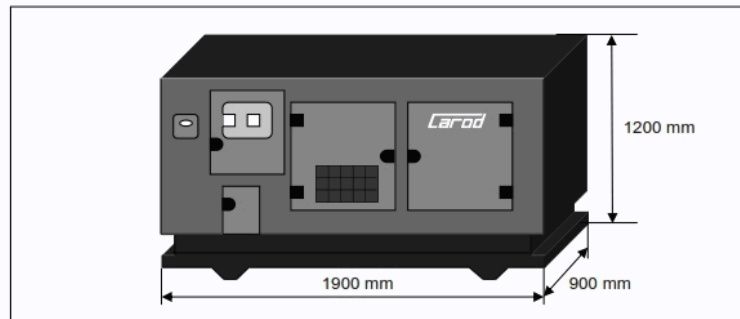
Manufacturer's brand	MECCALTE	
Model	ECP28-VL/4	
Frequency	Hz	50
Rated voltage	V	400
Connection type	Star-serie	
N° of phases	3	
N° of poles	4	
Power ^T= 125 °C, 40°C PRIME	kVA	30
Power ^T= 163 °C, 27°C STANDBY	33	
Power factor	0,8	
Isolation Class / ^Temp	H/H	
Protection grade	IP21	
Short circuit current (for 20sec.)	3 In	
Voltage regulator	Electronic-AVR	

Advice note: Manufacturer and model are default values. They may vary depending on availability, always with similar specs.

LOGISTICAL DATA

Approximate weight with coolant and oil	kg	1135
Volume of fuel in tank	liters	117

MEASUREMENTS





POWER

MOUNTING BASEFRAME

Electrically welded frame, made in folded steel sheet, painted with phosphated, priming and powder coating, which guarantees a great endurance in environments with high dampness, aggressive atmospheres and presence of the most common pollutants.

Fitted on ohmegashaped legs for supporting and hoisting.

Silentblocks to isolate linear vibration of the generatorengine pack.

Metallic fuel tank, integrated in the frame with fuel level sensor, filling cup with breather and key-lock outside the genset.

ENCLOSURE

Sound attenuated, weather protective enclosure, made in folded steel sheet and electrically welded. Painting with phosphated, priming and powder coating, which guarantees a great endurance in environments with high dampness, aggressive atmospheres and presence of the most common pollutants. The cabin is soundproofed with fireproof high density fiberglass wool, M0 degree, according to UNE-EN13162:2002. Access doors for maintenance and inspection with key-lockable pressure latches. Includes hoisting ringbolt.

ENGINE

4 stroke engine, oil cooled with guarded radiator, governed at 1.500 r.p.m.

AIR INTAKE

Radial,dry type air filter with optic clogged air filter indicator.

EXHAUST

High attenuation residential type muffler integrated inside the enclosure. Exhaust exit protected with a steel muffler pipe rain cup. Engine vent gases are channelled outside the genset across the cooling fan.

ALTERNATOR

Brushless, self excited, 4 poles alternator with $\pm 1,5\%$ voltage accuracy at constant load.

At any power factor with speed variation of 5% to 30% from its rated speed.

ELECTRICAL PANELBOARD

Installed in a folded steel sheet enclosure, mounted on metallic legs, fitted to the baseplate, both of them painted with phosphated, priming and powder coating.

Controller panel equipped with parameters, configurations and alarms indication on display. Earth leakage protection by means of electronic relay. Overcurrents protection by means of circuit breaker.

For any other option of equipment and configuration: Contact CD Power.