GENERATOR SET

DATA SHEET

MODEL

92328428FTR01

CTDW-145LI FTR01

The image is orientative

kVA PRIME	kVA STAND-BY	T PHASES	V VOLTAGE
130 kVA	145 kVA	THREE-PHASE	400 V

COOLED	COMBUSTIBLE	RPM	Hz
WATER	DIESEL	1500 RPM	50 Hz

MOTOR	ALTERNATOR
DEUTZ	STAMFORD

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PRIME	130 kVA
STAND-BY	145 kVA
THREE-PHASE	
VOLTAGE	400 V
50 Hz	
RPM	1500 RPM
COOLED	WATER
COMBUSTIBLE	DIESEL
SOUNDPROOF	

MOTOR	MODEL	ALTERNATOR	MODEL
DEUTZ	BF4M1013 FC	STAMFORD	UCI274E

ENGINE DATA SHEET		
Manufacturer's brand		DEUTZ
Model		**BF4M1013 FC**
Power	kVA	173/129
Power data according to standards		ISO 14396
Rated speed	**r.p.m.**	**1500**
Total displacement	liters	4,76
N° of cylinders		4 en línea
Bore x stroke	mm	108 x 130
Compression ratio		17:1
COOLING SYSTEM		
Cooling type		Liquid
Max. environment temperature for radiator	°C	50
Cooling air flow	m3/h	9000
Engine coolant volume	liters	7,4
Whole system coolant volume	liters	19,7
Coolant irradiated heat	kW	62,7
Heat exchanger	kW	23,7
Heat emitted by radiation motor surfaces	kW	13,0
AIR INTAKE SYSTEM		
Air intake type		Turbo aftercooler
Air filter type		Radial
Air intake max. flow (air 1,2 kg/m3)	m3/h	482,1
Heat exchanger charge air / water		Yes
LUBRICATION SYSTEM		
Max oil quantity including filter	liters	11

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Oil change hours interval	Hours	500
Minimum oil specs		TR0199-99-1217
Factory fill oil viscosity (SAE)		15W40
FUEL SYSTEM		
Governor and injection type		Electronical
Fuel consumption at 100% of load	liters/hour	26,75
Fuel consumption at 75% of load	liters/hour	19,39
Fuel consumption at 50% of load	liters/hour	13
EXHAUST SYSTEM		
Exhaust gas max. temperature	°C	530
Exhaust gas flow	kg/h	1389
Max. back pressure exhaust gases	kPa	30
ELECTRICAL SYSTEM		
Battery charging system		Alternador - 55A
Batteries specs	V/Ah/CCA	12/140/900

Model	**COMAP InteliNano PLUS**
VALUES DISPLAYED ON THE SCREEN	
Generator parameters	U1-U3, I1 or I2 or I3, 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	4P Circuit Breaker + Controller
Earth leakage protection	Electronic relay
Emergency shutdown mushroom pushbutton	Included

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Motorized breaker (consult the possibility of contactor)	Optional. Included in "Parallel" version

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

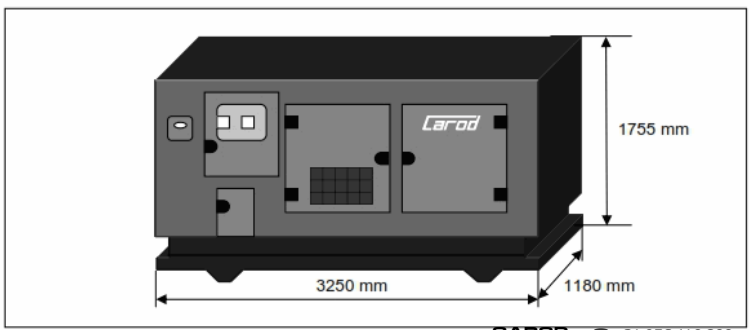
PARALLEL CONECTION FOR "PARALLEL" VERSION COMAP InteliGEN 200	
Optimisation of running engines depending on the current load	●
Automatic synchronizing and load sharing	●
Voltage and power factor regulation (AVR)	●
Active and reactive power distribution	●

ALTERNATOR DATA SHEET		
Manufacturer's brand		STAMFORD
Model		**UC274E**
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**	**140**
Power ^T= 163 °C, 27°C STANDBY		**150**
Power factor		0,8
Isolation Class / ^Temp		H/H
Protection grade		IP23
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	2150
Volume of fuel in tank	liters	313

MEASUREMENTS



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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, liquid cooled (50% ethylene glycol coolant) 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 chanelled outside the genset across the cooling fan.

ALTERNATOR

Brushless, self excited, 4 poles alternator with ±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 equippe dwith 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: Consult manufacturer.

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