



DATA SHEET

MODEL

92575

CTK-20L



The image is orientative



PRIME

19 kVA



STAND-BY

20 kVA



PHASES

THREE-PHASE



VOLTAGE

400 V



COOLED

WATER



COMBUSTIBLE

DIESEL



RPM

1500 RPM



Hz

50 Hz

MOTOR

KOHLER

LOMBARDINI

ALTERNATOR

LEROY SOMER



The image is orientative

MOTOR
MODEL

KOHLER

KDI 1903M

ALTERNATOR
MODEL

LEROY SOMER

TAL040-F

ENGINE DATA SHEET

Manufacturer's brand		KOHLER
Model		KDI 1903M
Power	kVA	27/20.71
Power data according to standards		ISO 3046
Rated speed	r.p.m.	1500
Total displacement	liters	1.861
Nº of cylinders		3 en línea
Bore x stroke	mm	88 x 102
Compression ratio		N.D.
COOLING SYSTEM		
Cooling type		Liquid
Opening thermostat temperature	°C	79-94
Max. cooling temperature	°C	115
Radiator air flow	m3/h	2500
Engine coolant volume	liters	4,2
Whole system coolant volume	liters	9
AIR INTAKE SYSTEM		
Air intake type		Natural
Air filter type		Dry type
Air intake max. flow (air 1,2 kg/m3)	m3/h	N.D.
LUBRICATION SYSTEM		
Oil replacement interval	hours	500
Max oil quantity including filter	liters	8,7
Minimum oil specs		API-CF
Factory fill oil viscosity (SAE)		15W40

	PRIME	19 kVA
	STAND-BY	20 kVA
	THREE-PHASE	
	VOLTAGE	400 V
	50 Hz	
	RPM	1500 RPM
	COOLED	WATER
	COMBUSTIBLE	DIESEL
	MOUNTING BASEFRAME	


FUEL SYSTEM

Governor and injection type	Mechanical, direct injection	
Fuel consumption at 100% of load	liters/hour	5.3
Fuel consumption at 75% of load	liters/hour	4
Fuel consumption at 50% of load	liters/hour	2.7

EXHAUST SYSTEM

Exhaust gas max. temperature	°C	560
Exhaust gas flow	kg/h	76
Max. back pressure exhaust gases	kPa	5

ELECTRICAL SYSTEM

Battery charging system	Alternator 50A	
Batteries specs	V/Ah/CCA	12/70/300

Model
COMAP IntelliNano NTPLUS
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)	●

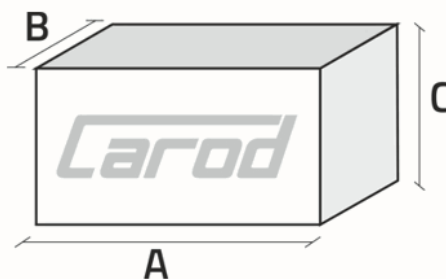
CONTROL, PROTECTION AND INDICATION IN ELECTRICAL PANELBOARD

Overcurrent protection	Circuit Breaker
Earth leakage protection	Earth leakage relay
Emergency shutdown mushroom pushbutton	Included
Motorized breaker (consult the possibility of contactor)	Optional

ALTERNATOR DATA SHEET



Manufacturer's brand		LEROY SOMER
Model		TAL040-F
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	20
Power ^T= 163 °C, 27°C STANDBY		22
Power factor		0,8
Isolation Class / ^Temp		H/H
Protection grade		IP23
Short circuit current (for 20sec.)		3 In
Voltage regulator		Electronic-AVR

LOGISTICAL DATA


(A) Length	cm	1500
(B) Width	cm	800
(C) Height	cm	1380
Fuel tank	liters	160
Approximate weight with coolant and oil	kg	430

**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.

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

This equipment is supplied with industrial muffler for separated mounting. Engine vent gases are channelled towards the floor.

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: Consult manufacturer.