

General Performance Data

Engine	Brand	Weichai
	Model	WP4.1D10OE200
Control module	DATAKOM D500 MK3	
Starting voltage	V	12
Frequency	Hz	50
Number of phases	3	

	Prime	Standby	
Power kVA	100	110	
Power kW	80	88	
Rated speed	r.p.m	1500	
Standard voltage	V	220	127
Available voltages	V	380	415
Power factor	Cos Phi	0.8	

Open



Dimension			
Length (L)	mm	0000	
Height (H)	mm	0000	
Width (W)	mm	0000	
Weight	Kg	0000	
Fuel Tank	L	0000	

Silent



Dimension			
Length (L)	mm	2790	
Height (H)	mm	1500	
Width (W)	mm	1100	
Weight	Kg	1516	
Fuel Tank	L	299	

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	21.68
100% Prime	0000	18.70
75% Prime	0000	14.02
50% Prime	0000	9.35
25% Prime	0000	0000

Standards Followed

ISO9001	ISO14001
ISO8528	ISO12100
ISO13849	EN12601
GB12786	GB/T2820
IEC60034	IEC60204
CE	RETIE

General Engine Data

Engine brand	Weichai	
Engine ref.	WP4.1D100E200	
Engine type	4 -stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders and arrangement	4 - L	
Bore and stroke	mm	105 x 118

Displacement	L	4,1
Cooling system	Water - Cooling	
Lube oil consumption with full load	0.5%-1% of fuel consumption	
Compression ratio	17.5:1	
Engine oil capacity	L	13
Total coolant capacity	L	9.4
Air filter	Type	Dry

Diesel engine	Dry air filter
4-stroke cycle	Radiator with pusher fan
Water-cooled	Electronic governor
12V electrical system	Hot parts protection
Water separator filter	Moving parts protection

Optionals

Water jacked heater
Radiator water level sensor
Oil heater
Heavy duty air filter



Alternator Specifications

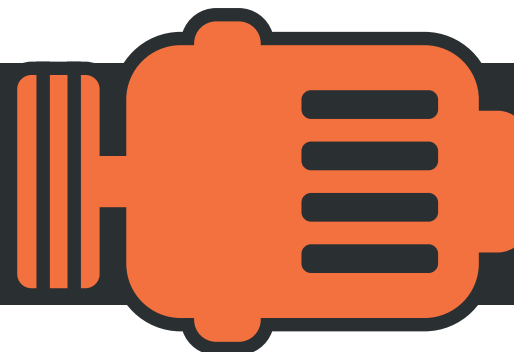
Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-serie
Insulation	H class
Enclosure (according IEC-34-5)	IP 23

Excitation system	Shunt
Voltage regulator	Electronic
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

Self-excited and self-regulated
IP23 protection
H class insulation

Optionals

Alternator pre-heater
Winding temp. measuring instrument
PMG / AREP / MAUX



Application Data

Fuel system

	Open	Silent
Fuel oil specifications	Diesel	
Standard fuel tank capacity	L 0000	299

Air system

Intake air flow	L/s	(m3/min) 445
Cooling air flow	m ³ /s	

Exhaust system

Maximum exhaust temperature	°C	560
Exhaust gas flow	L/s	(m3/min) 463
Maximum allowed back pressure	kPa	10

Starting system

Starting power	kW	3.3
Recommended battery	Ah	90
Number of batteries	2	
Auxiliary voltage	Vdc	24

Genset version

Steel chasis	High mechanical strength
Emergency stop button	Epoxy polyester powder coating
Anti-vibration shock absorbers	Fuel tank drain plug
Chassis with integrated fuel tank	Steel residential silencer - 20dbA attenuation
Fuel level gauge	Battery charger

Optionals

Trailer type



Water-cooled



Three phase



50 Hz



Diesel



Stackable canopy

Standard reference conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing.

Control Panel Data

Features of the control panel	Basic Model (Standard)	Advanced Model (Optional)
Voltage between phases	o	o
Voltage between neutral and phase	o	o
Current intensities	o	o
Frequency	o	o
Apparent power (kVA)	o	o
Active power (kW)	o	o
Reactive power (kVAr)	o	o
Power factor	o	o
Voltage between phases	o	o
Emergency stop	o	o
Binary inputs	6/6	7/7
Analog inputs	3	3
2x10A Current outputs	o	-
I/O Configuration	o/o	o/o
D+ Function	o	o
Speed sensor	o	o
Amf/Mrs	o/o	o/o
GCB/MCB	o/o	o/o
3ph voltage measurement Gen./Mains	o/o	o/o
3ph current measurement	o	o
kW / kWh / kVA	o	o
Engine reading	o	o
Engine protection	o	o
Alternator protection	o	o
Earth current protection	-	x
History file	150	350
RTC/Battery	o/-	o/o
PLC	-	-
4G	x	-
Airgate	-	x
ECU CAN	o	o
MODBUS	x	x
MODBUS IP	x	x
SNMP	-	x
SNMP TRAPS	-	-
RS232	x	x
RS485	x	x
GSM/GPRS modem	x	x
Remote screen	x	x
Software for PC	x	x

Standard: o

Optional: x

Not Available: -