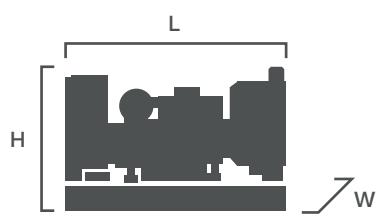




General Performance Data

			Prime	Standby
Engine	Brand	Weichai		
	Model	WP4.1D80E200		
Control module		DATAKOM D500 MK3		
Starting voltage	V	24		
Frequency	Hz	50		
Number of phases		3		
Power kVA		80	88	
Power kW		64	70	
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	2700
Height (H)	mm	1250
Width (W)	mm	1050
Weight	Kg	1336
Fuel Tank	L	145

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	18.24
100% Prime	0000	17.5
75% Prime	0000	13.12
50% Prime	0000	8.75
25% Prime	0000	0000

Standards Followed

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

General Engine Data

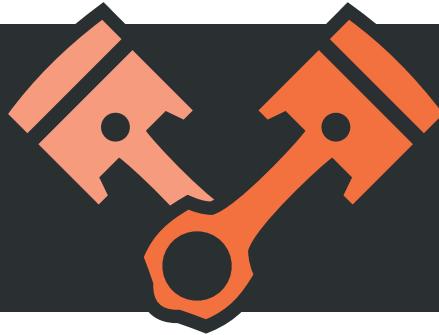
Engine brand	Weichai	
Engine ref.	WP4.1D80E200	
Engine type	4 -stroke diesel	
Governor type	Electronic	
Injection	Direct	
Aspiration	Turbocharged and intercooled	
Number of cylinders and arrangement	4	- L
Bore and stroke	mm	105 x 118

Displacement	L	4.087
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



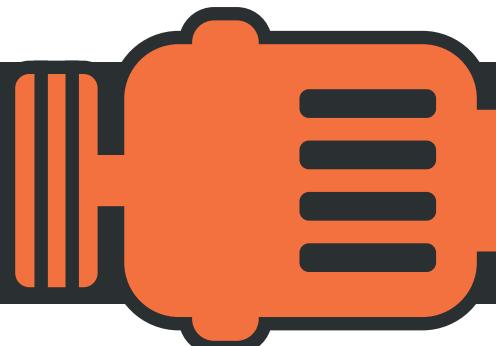
Alternator Specifications

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)

Optionals

- Self-excited and self-regulated
- IP23 protection
- H class insulation
- Alternator pre-heater
- Winding temp. measuring instrument
- PMG / AREP / MAUX



Application Data

Fuel system	Open	Silent	Exhaust system
Fuel oil specifications			Maximum exhaust temperature °C 560
Standard fuel tank capacity	L 0000	145	Exhaust gas flow L/s (m3/min) 340.6
Air system			Maximum allowed back pressure kPa 10
Intake air flow	L/s	(m3/min) 325	Starting system
Cooling air flow	m ³ /s		Starting power kW 3.3
			Recommended battery Ah 90
			Number of batteries 2
			Auxiliary voltage Vdc 24

Genset version

Steel chassis	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

Options

Trailer type



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: -