UPW 55 | Industrial Range Powered by WEICHAI

General Performance Data

Engine	Brand	Weichai
	Model	WP2.3D48E200

Control module		DATAKOM D500 MK3
Starting voltage	V	12
Frequency	Hz	50
Number of phases		3

			Prime	Standby
Power kVA			50	55
Power kW			40	44
Rated speed	r.p.m		1500	
Standard voltage	V		220	127
Available voltages	V		380	415
Power factor	Cos Phi		0.8	

Open

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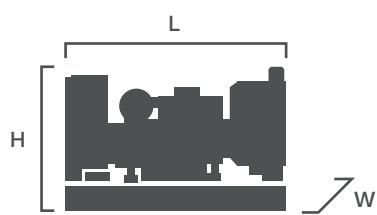
Dimension		
Length (L)	mm	0000
Height (H)	mm	0000
Width (W)	mm	0000
Weight	Kg	0000
Fuel Tank	L	0000

Silent

L
H
W
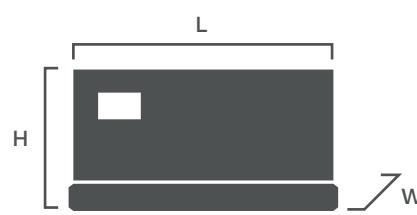
Dimension		
Length (L)	mm	2280
Height (H)	mm	1250
Width (W)	mm	950
Weight	Kg	1068
Fuel Tank	L	128

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	10.7
100% Prime	0000	9.2
75% Prime	0000	6.9
50% Prime	0000	4.6
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	Displacement	L	2,3
Engine ref.		WP2.3D48E200	Cooling system		Water - Cooling
Engine type		4 -stroke diesel	Lube oil consumption with full load		0.5%-1% of fuel consumption
Governor type		Electronic	Compression ratio		17.5:1
Injection		Direct	Engine oil capacity	L	8
Aspiration		Turbocharged and intercooled	Total coolant capacity	L	5
Number of cylinders and arrangement		4 - L	Air filter	Type	Dry
Bore and stroke	mm	89 x 92			

	Optionals
Diesel engine — Dry air filter	
4-stroke cycle — Radiator with pusher fan	Water jacked heater
Water-cooled — Electronic governor	Radiator water level sensor
12V electrical system — Hot parts protection	Oil heater
Water separator filter — Moving parts protection	Heavy duty air filter
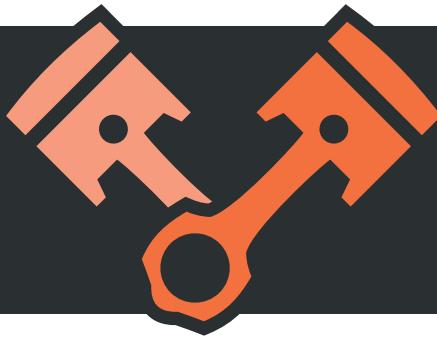
Alternator Specifications

Number of phase	3	Excitation system		Shunt
Power factor	0.8	Voltage regulator		Electronic
Poles	4	No. of bearings		Single bearing
Winding Connections (standard)	Star-serie	Coupling system		Flexible disc
Insulation	H class	Coating type		Standard (Vacuum impregnation)
Enclosure (according IEC-34-5)	IP 23			

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

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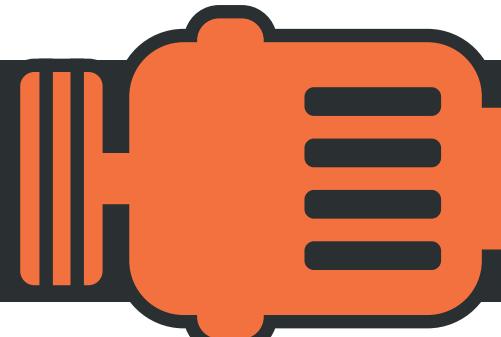
Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	0000	128

| Exhaust system		
Maximum exhaust temperature	ºC	650
Exhaust gas flow	L/s	(m3/min) 209
Maximum allowed back pressure	kPa	8

Air system		
Intake air flow	L/s	(m3/min) 200
Cooling air flow	m³/s	

Starting system		
Starting power	kW	3.3
Recommended battery	Ah	80
Number of batteries		2
Auxiliary voltage	Vdc	24

Genset version

- Steel chasis
- Emergency stop button
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- High mechanical strength
- Epoxy polyester powder coating
- Fuel tank drain plug
- Steel residential silencer - 20dbA attenuation
- 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, 25ºC, 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.

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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: **-**

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