# UPW 138

Industrial Range
Powered by WEICHAI

## General Performance Data

| Engine | Brand | Weichai |
|---|---|---|
| | Model | WP6D132E200 |

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

| | | | Prime | Standby |
|---|---|---|---|---|
| Power kVA | | | 125 | 138 |
| Power kW | | | 100 | 110 |
| 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 | 2900 |
| Height (H) | mm | 1450 |
| Width (W) | mm | 1100 |
| Weight | Kg | 1586 |
| Fuel Tank | L | 252 |

## Fuel Consumption

| Rated Output | g/KW.h | L/h |
|---|---|---|
| 100% Standby | 0000 | 29,82 |
| 100% Prime | 0000 | 23.8 |
| 75% Prime | 0000 | 17.85 |
| 50% Prime | 0000 | 11.9 |
| 25% Prime | 0000 | 0000 |

## Standards Followed

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

## Generador Económico

## General Engine Data

| | | | | | | |
|---|---|---|---|---|---|---|
| Engine brand | | Weichai | Displacement | L | | 6.75 |
| Engine ref. | | WP6D132E200 | 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 | | | 18:1 |
| Injection | | Direct | Engine oil capacity | L | | 20 |
| Aspiration | | Turbocharged and aftercooled | Total coolant capacity | L | | 8 |
| Number of cylinders and arrangement | | 6 - L | Air filter | Type | | Dry |
| Bore and stroke | mm | 105 x 130 | | | | |

Diesel engine
4-stroke cycle
Water-cooled
12V electrical system
Water separator filter

Dry air filter
Radiator with pusher fan
Electronic governor
Hot parts protection
Moving parts protection

**Optionals**

Water jacked heater
Radiator water level sensor
Oil heater
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 | | | |

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

**Optionals**

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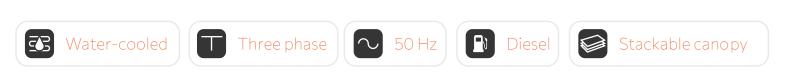PMG / AREP / MAUX

## Generador Económico

UPOWER

## Application Data

| Fuel system | | Open | Silent |
|---|---|---|---|
| Fuel oil specifications | | Diesel | |
| Standard fuel tank capacity | L | 0000 | 252 |

| Exhaust system | | |
|---|---|---|
| Maximum exhaust temperature | ºC | 550 |
| Exhaust gas flow | L/s | (m3/min) 567.8 |
| Maximum allowed back pressure | kPa | 6.5 |

| Air system | | |
|---|---|---|
| Intake air flow | L/s | (m3/min) 544 |
| Cooling air flow | m³/s | |

| Starting system | | |
|---|---|---|
| Starting power | kW | 3.3 |
| Recommended battery | Ah | 90 |
| 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.

## Generador Económico

UPOWER

## 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: **-**

## Generador Económico