General Performance Data

Engine			
	Brand	Baudouin	
	Model	4M06G55/5	
Control module		DATAKOM D500 MK3	
Starting voltage	V	24	
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
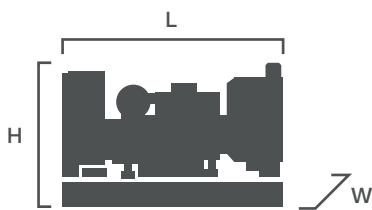
Dimension		
Length (L)	mm	0000
Height (H)	mm	0000
Width (W)	mm	0000
Weight	Kg	0000
Fuel Tank	L	0000

Silent
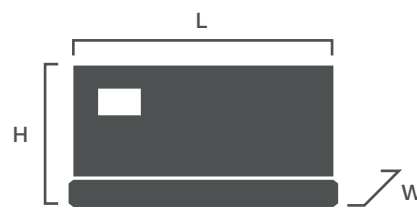
Dimension		
Length (L)	mm	2280
Height (H)	mm	1070
Width (W)	mm	900
Weight	Kg	830
Fuel Tank	L	90

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	13.9
100% Prime	0000	11.9
75% Prime	0000	9
50% Prime	0000	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	BAUDOUIN		
Engine ref.	4M06G55/5		
Engine type	4 -stroke diesel		
Governor type	Electronic		
Injection	Direct		
Aspiration	Natural		
Number of cylinders and arrangement	4 - L		
Bore and stroke	mm	89 x 92	

Displacement	L	2.3
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	7.1
Total coolant capacity	L	8.6
Air filter	Type	Dry

Optionals

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

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	Alternator pre-heater
IP23 protection	Winding temp. measuring instrument
H class insulation	PMG / AREP / MAUX

Generador Económico

UPOWER
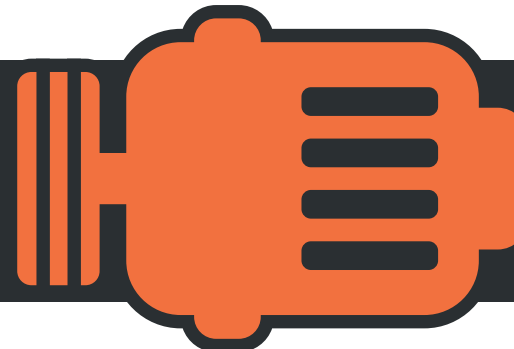
Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	0000	90

Exhaust system		
Maximum exhaust temperature	ºC	700
Exhaust gas flow	L/s	(m3/min) 4.5
Maximum allowed back pressure	kPa	N/D

Air system		
Intake air flow	L/s	(m3/min) 1.38
Cooling air flow	m³/s	48

Starting system		
Starting power	kW	3.3
Recommended battery	Ah	60
Number of batteries		1
Auxiliary voltage	Vdc	12

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

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