UPBA 300

UPOWER

General Performance Data

Engine	Brand	Baudouin
	Model	6M16G350/5
Control module		DSE 6120
Starting voltage	V	12
Frequency	Hz	50
Number of phases		3

		Prime	Standby
Power kVA		275	300
Power kW		220	240
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	3150
Height (H)	mm	1800
Width (W)	mm	1200
Weight	Kg	2800
Fuel Tank	L	530

Silent
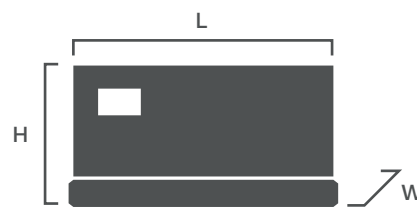
Dimension		
Length (L)	mm	3800
Height (H)	mm	2000
Width (W)	mm	1500
Weight	Kg	3300
Fuel Tank	L	530

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	78.4
100% Prime	0000	70.5
75% Prime	0000	52.3
50% Prime	0000	35.4
25% Prime	0000	18.9

Standards Followed

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

Generador Económico

UPOWER

UPBA 300

Industrial Range
Powered by BAUDOUIN

General Engine Data

Engine brand	BAUDOUIN	Displacement	L	9.726
Engine ref.	6M16G350/5	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	17:1
Injection	Direct	Engine oil capacity	L	30
Aspiration	Turbocharged and Aftercooled	Total coolant capacity	L	22
Number of cylinders and arrangement	6 - L	Air filter	Type	Dry
Bore and stroke	mm	126 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
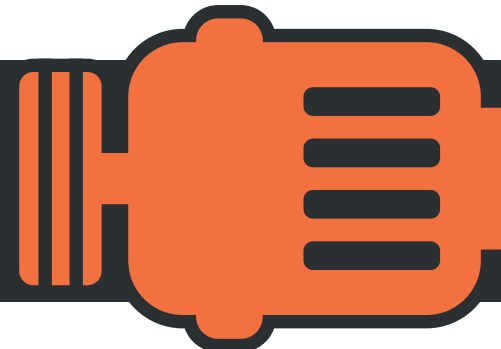
Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	530	530

Exhaust system		
Maximum exhaust temperature	ºC	550
Exhaust gas flow	L/s	(m3/min) 27.36
Maximum allowed back pressure	kPa	N/D

Air system		
Intake air flow	L/s	(m3/min) 9.1
Cooling air flow	m³/s	(m3/min)304.5

Starting system		
Starting power	kW	4
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.

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