General Performance Data

Engine	Brand	Baudouin
	Model	4M10G70/5

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
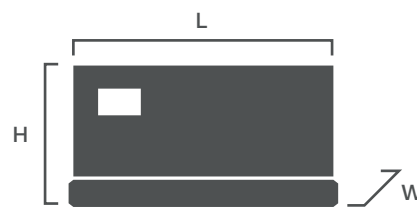
Dimension		
Length (L)	mm	2550
Height (H)	mm	1200
Width (W)	mm	950
Weight	Kg	1200
Fuel Tank	L	163

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	16.67
100% Prime	0000	15
75% Prime	0000	11.55
50% Prime	0000	7.7
25% Prime	0000	0000

Standards Followed

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

UPBA 72 | Industrial Range
Powered by BAUDOUIN

General Engine Data

Engine brand		BAUDOUIN	Displacement	L	4.87
Engine ref.		4M10G70/5	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		17.5:1
Injection		Direct	Engine oil capacity	L	13
Aspiration		Natural	Total coolant capacity	L	17.9
Number of cylinders and arrangement		4 - L	Air filter	Type	Dry
Bore and stroke	mm	105 x 118			

		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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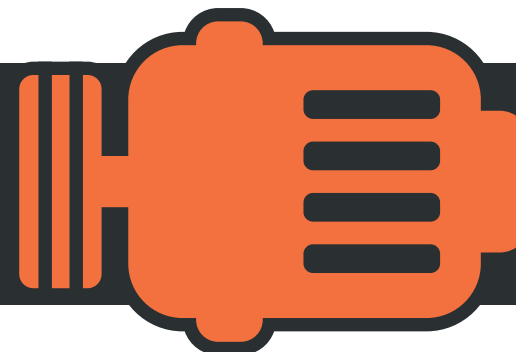
Application Data

Fuel system		Open	Silent
Fuel oil specifications		Diesel	
Standard fuel tank capacity	L	0000	163

Exhaust system			
Maximum exhaust temperature	ºC		700
Exhaust gas flow	L/s		(m3/min) 14.2
Maximum allowed back pressure	kPa		N/D

Air system			
Intake air flow	L/s		(m3/min) 4.17
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: **-**

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