

## General Performance Data

Engine	Brand	Baudouin
	Model	4M06G20/5
Control module	DATAKOM D500 MK3	
Starting voltage	V	24
Frequency	Hz	50
Number of phases	3	

	Prime	Standby	
Power kVA	18	20	
Power kW	15	16	
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	1760
Height (H)	mm	1050
Width (W)	mm	740
Weight	Kg	636
Fuel Tank	L	45

## Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	5.2
100% Prime	0000	4.7
75% Prime	0000	3.77
50% Prime	0000	2.6
25% Prime	0000	0000

## Standards Followed

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

## General Engine Data

Engine brand	BAUDOIN	
Engine ref.	4M06G20/5	
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	11
Air filter	Type	Dry

Diesel engine	Dry air filter
4-stroke cycle	Radiator with pusher fan
Water-cooled	Electronic governor
12V electrical system	Hot parts protection
Water separator filter	Moving parts protection

### Optionals

Water jacked heater
Radiator water level sensor
Oil heater
Heavy duty air filter



## Alternator Specifications

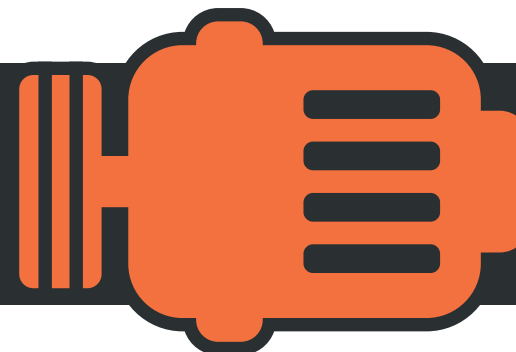
Number of phase	3
Power factor	0.8
Poles	4
Winding Connections (standard)	Star-serie
Insulation	H class
Enclosure (according IEC-34-5)	IP 23

Excitation system	Shunt
Voltage regulator	Electronic
No. of bearings	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

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

### Optionals

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



## Application Data

### Fuel system

Fuel oil specifications Diesel

Standard fuel tank capacity L 0000 45

### Air system

Intake air flow L/s (m3/min) 1.38

Cooling air flow m<sup>3</sup>/s 48

### Exhaust system

Maximum exhaust temperature °C 700

Exhaust gas flow L/s (m3/min) 4.5

Maximum allowed back pressure kPa N/D

### 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, 25°C, 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.

## 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: -