



CERTIFIED

Genset : GB/T2820-2009, ISO8528.
Engine : ISO 2046, DIN 6271.
Alternator : VDE 0530, NEMA MGI-32, IEC34, AS1359.

FEATURES

BAUDOUIN Heavy-Duty Engine
Rugged industrial diesel delivers reliable power, low emissions and fast response to load changes.

LEROY-SOMER Brushless Alternator
Low reactance 2/3 pitch windings; low waveform distortion with non-linear loads, fault clearing short-circuits capability, and class H insulation.

Control System
DeepSea electronic control is the industry leading standard equipment and provides total genset system integration, including automatic remote starting/stopping, precise voltage regulation, alarm and status message display.

Cooling System
Standard integral set-mounted radiator system, designed and tested for rated ambient temperatures, simplifies facility design requirements for rejected heat.

Enclosures
Optional weather-protective and soundattenuated enclosures are available.

Warranty
Backed by a comprehensive warranty and nation wide distributor network.

Emergency Standby Power (ESP)
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Limited-Time Running Power (LTP)
Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.

Prime Power (PRP)
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Base Load (Continuous) Power (COP)
Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

POWER RATING

SERVICE		PRP	ESP
POWER	kVA	20	22
POWER	kW	16	18
RATED SPEED	r.p.m	1500	
MAIN TENSION	V	400	
FREQUENCY	Hz	50	

STANDARD SOUNDPROOFING

 **HSD (High Speed Diesel)**

 **Water Cooling**

 **Three Phase**

 **50 Hz**

 **Diesel**

TRUPOWER has the right to modify any features without prior notice.

Weight 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

The illustrations and image are indicative and may not coincide in their entirety with the product

ENGINE



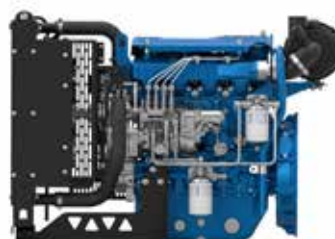
Rated Engine Output (PRP)	kW	22
Rated Engine Output (ESP)	kW	24
Manufacturer	BAUDOUIN	
Model	4M06G25/5	
Engine Type	4-stroke diesel	
Injection Type	Direct	
Aspiration Type	kVA	Naturally Aspirated

ENGINE SPECIFICATIONS



Number of cylinders and arrangement	L	4
Bore and Stroke	mm	89 x 92
Displacement	L	2.3
Cooling System	Liquid (water + 50% antifreeze)	
Lube Oil Specifications	15W40 CF4	
Compression Ratio	17.5:1	
Air Filter Type	Dry	

- Diesel engine
- 4-stroke cycle
- Water-cooled
- 12V electrical system
- Water separator filter (visible level)
- Dry air filter
- Radiator with pusher fan
- Electronic governor



ALTERNATOR



Manufacturer	LEROY-SOMER
Model	TAL - A40 - F
Poles	No. 4
Connection type	(Standard) Series Star
Insulation	Class H
Enclosure (According IEC-34-5)	IP23

ALTERNATOR SPECIFICATIONS



Exciter system	Self-excited, brushless
Voltage regulator A.V.R. (Electronic)	R120/ R180
Bracket type	Single bearing
Coupling system	Flexible disc
Coating type	Standard (Vacuum impregnation)

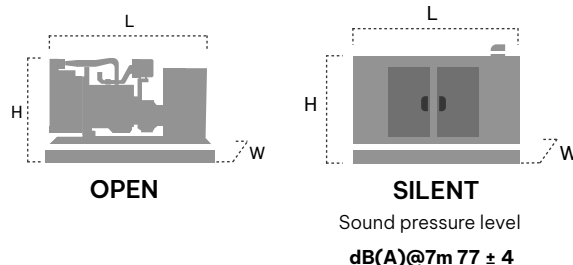
- Self-Excited / Aux winding
- IP23 protection
- H class insulation

WEIGHT AND DIMENSION



		OPEN	SILENT
*Max shipping volume	m3	1.24	1.50
*Length (L)	mm	1410	1900
*Width (W)	mm	792	720
*Height (H)	mm	1118	1100
*Weight	Kg	588	882
*Wet Weight	Kg	679.5	973.5
*Autonomy (100% PRP)	Hours	6	6

*Approx dimension, custom units may slightly vary



APPLICATION DATA

EXHAUST SYSTEM

Maximum exhaust temperature	°C	700
Exhaust Gas Flow	m³/min	5.32
Maximum allowed back pressure	mBar	80
Exhaust Flange Size (external diameter)	mm	50

FUEL CONSUMPTION

Fuel Consumption ESP	L/h	7.1
Fuel Consumption 100% PRP	L/h	6.1
Fuel Consumption 75% PRP	L/h	4.5
Fuel Consumption 50% PRP	L/h	3.2

STARTING TIME

Recommended battery	Ah	75
Auxiliary Voltage	Vdc	12

NECESSARY AMOUNT OF AIR

Intake air flow	litre/sec	57.3
Alternator cooling air flow	m³/s	48

FUEL SYSTEM

Fuel Oil Specifications		Diesel
Fuel Tank Standard	L	36.6

- Steel chassis
- Anti-vibration shock absorbers
- Chassis with integrated fuel tank
- Fuel level gauge
- External emergency stop switch
- Bodywork made from high quality steel plate
- High mechanical strength
- Low noise emissions level
- Soundproofing provided by high-density material
- Powder coating
- Full access for maintenance (water, oil and filters, no need to remove the canopy)
- Fuel tank drain plug
- Reinforced lifting hooks for crane hoisting
- Oil sump extraction kit
- IP Protection according to ISO 8528-13:2016