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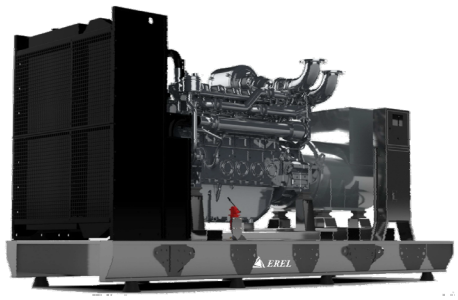


Output Rating				
Voltage	Frequency		Standby	Prime
400 V	50 Hz	KVA	2000	1825
		KW	1600	1460

Rating Definitions

Ratings are in accordance with ISO 8528, ISO 3046, BS 5514.

Prime Rating
Applicable for supplying continuous electrical power (no limitation to annual hours of operation), at variable load, in lieu of utility power network; 10% overload is permitted for 1 hour in every 12 hours.

Standby Rating
Applicable for supplying continuous electrical power, at variable load, in the event of a utility power failure; no overload is permitted on standby ratings.

Standard Reference Conditions
Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m (328 ft) A.S.L. 30% relative humidity.

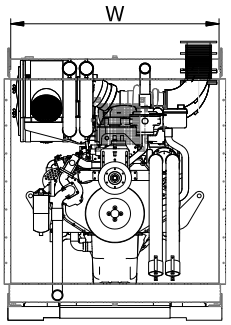
General Data	
Engine Make	Perkins
Engine Model	4016-61TRG1
Alternator Make	Stamford or Equivalent
Alternator Model	PI 734E
Control Unit	DSE 7320
Engine Speed: RPM	1500
Fuel Tank Capacity (l)	N.A.
Fuel Consumption Standby (l/hr)	409.1
Fuel Consumption Prime (l/hr)	383.8
Fuel Consumption 75% (l/hr)	299.8
Fuel Consumption 50% (l/hr)	206.8

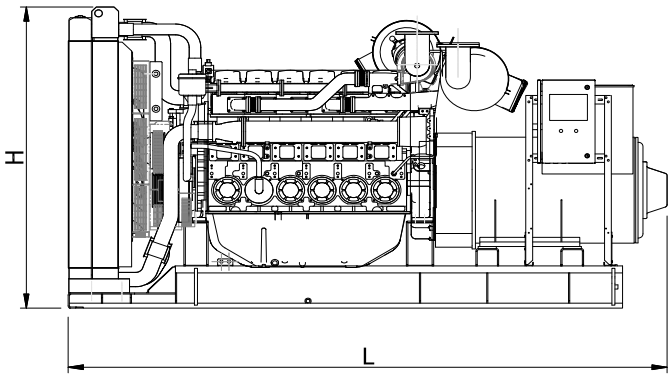
Optional Features and Customization

Optional Features and Customization include:
- Weather and sound proof enclosure
- Stand-alone control panel
- Synchronizing panel
- Load sharing
- Residential silencer
- CE certification
- LV Circuit Breaker

Dimensions and Weights

	Length (mm)	Width (mm)	Height (mm)	Weight (Kg) Dry	Wet
Open Set	6000	2200	2700	12250	12500
Canopied Set	12192	2438	2896	N.A.	N.A.





• Dimensions and weights are for guidance only. Certified drawings are available upon request. Specifications may change without notice.

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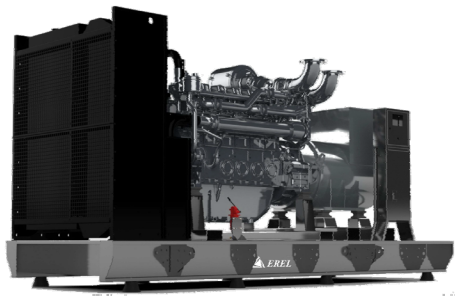

Engine Data		
Engine Model		4016-61TRG1
No. of Cylinders		16
Alignment		60º Vee form
Cycle		4 stroke
Bore	mm (in)	160 (6.3)
Stroke	mm (in)	190 (7.5)
Induction		TC AW
Cooling Method		WATER
Governing Type		ELECTRONIC
Governing Class		ISO 8528
Compression Ratio		13.0 : 1
Displacement	L (cu.in)	61.1 (3722)
Moment of Inertia	kg m²	20.72 (70803)
Voltage	VDC	24
Ground		Negative
Battery Charger Amps		55
Engine Weight Dry	Kg (lb)	5570 (12280)
Engine Weight Wet	Kg (lb)	5847 (12890)

Engine Performance Data		
Engine Speed	rpm	1500
Gross Engine Power Prime	kW (hp)	1648 (2210)
Gross Engine Power Standby	kW (hp)	1774 (2379)
BMEP Prime	kPa (psi)	2157 (312.8)
BMEP Standby	kPa (psi)	2322 (336.8)

Air System		
Combustion Air Flow Prime	m³/min	155
Combustion Air Flow Standby	m³/min	65
Max. Combustion Air Intake Restri	kPa	3.7

Alternator Physical Data		
No. of Bearings		1
Insulation Class		H
Winding Pitch		2/3
Winding Code		N.A.
Wires		6
Ingress Protection Rating		IP23
Excitation System		Shunt
AVR Model		MX341
Radio Interference Suppression		EN61000-6

Fuel System		
Recommended Fuel		Class A2 Diesel
Fuel Consumption Prime (110%)	l/hr	409.1
Fuel Consumption Prime (100%)	l/hr	383.8
Fuel Consumption Prime (75%)	l/hr	299.8
Fuel Consumption Prime (50%)	l/hr	206.8
Fuel Consumption Standby (110%	l/hr	N.A.
Fuel Consumption Standby (100%	l/hr	409.1
Fuel Consumption Standby (75%)	l/hr	321.1
Fuel Consumption Standby (50%)	l/hr	222.5
Fuel Consumption Continuous	l/hr	N.A.

(Based on diesel fuel with a specific gravity of 0.86 and conforming to BS2869 classA2,EN590

Cooling System		
Cooling System Capacity	(l)	270
Heat Radiation to Room*: Prime	kW	190
Heat Radiation to Room*: Standby	kW	209
Radiator Fan Load	kW	80
External Restriction to Airflow	Pa	250

Lubrication System		
Oil Filter Type		Replaceable elt.
Total Oil Capacity	(l)	237
Oil Pan Capacity:	(l)	213
Oil Type		SAE 15W40
Oil Cooling Method		Water

Exhaust System		
Maximum Allowable Back Pressur	kPa	4
Exhaust Gas Flow: Prime	m³/min	400
Exhaust Gas Flow: Standby	m³/min	400
Exhaust Gas T°: Prime	°C	425
Exhaust Gas T°: Standby	°C	425

Alternator Operating Data		
Overspeed	rpm	2250
Voltage Regulation: (Steady state)	%	±1
Total Harmonic content	%	N.A.
Short Circuit Capacity	%	300
Reactance (Xd)	%	296
Reactance (X'd)	%	18
Reactance (X"d)	%	13

• Dimensions and weights are for guidance only. Certified drawings are available upon request. Specifications may change without notice.