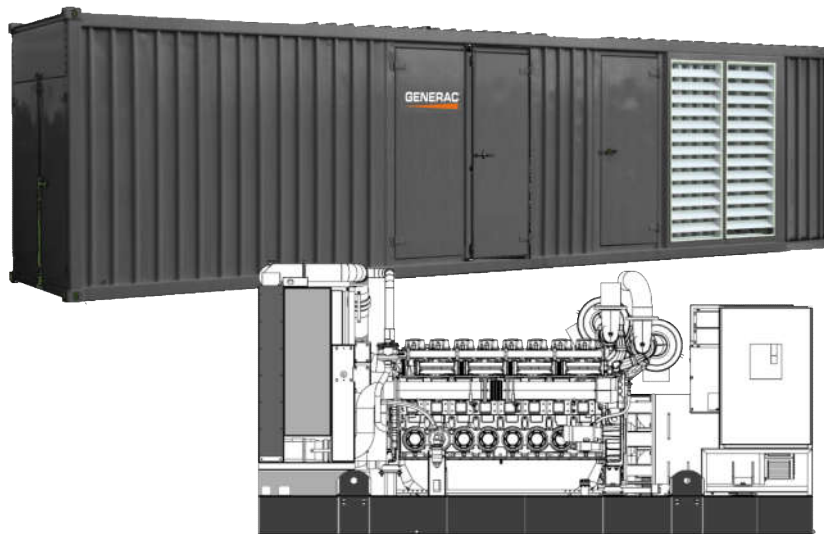


PLE-2500



Power Rating

Data center Power DCP	kVA	2500
Data center Power DCP	kW	2000
Voltage	V	400/230
Frequency	Hz	50
Power factor	cos ϕ	0.8
Phase		3
Fuel		Diesel



Ratings definition (ISO-8528)

*Data Center Power (DCP): Power available for variable or continuous electrical loads in a Data Centre application. Up to 100 percent load factor is permitted for unlimited time. No overload is permitted.

G2 and G3 class load acceptance in accordance with ISO 8528-5

Company with quality certification ISO 9001

Engine specifications

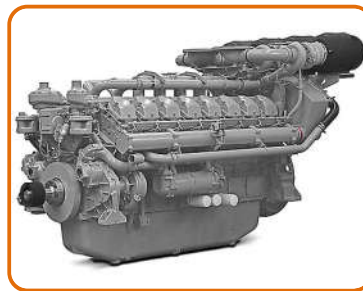
Engine Brand	Perkins	
Model	5016AC-E61TRG3X	
Operating Speed-Nominal	rpm	1500
Engine cooling system	Water	
[50Hz] Exhaust emission level	Tier 2	
Nr. of cylinder and disposition	16 V	
Displacement	cm ³	61100
Aspiration	Turbocharged	
Speed governor	Electronic	
Prime gross power PRP/DCP	kW	2216
Fan consumption	kW	133
Oil capacity	l	213
Coolant capacity	l	95
Fuel	Diesel	
Specific fuel consumption 75% PRP	g/kWh	207
Starting system	Electric	
Starting engine capability	kW	8.2
Electric circuit	V	24

Radiator

Cooling fan	Mechanical	
Coolant capacity	l	340

Alternator Specifications

Alternator	Leroy Somer	
Model	LSA52.3 L12	
Windings connection	Series Star	
Frequency	Hz	50
Voltage	V	400
Phase (s)	3	
Power factor	cos ϕ	0.8
Emergency peak power 163°/27°	kVA	2750
Efficiency @ 75% load	%	96.5
Poles	4	
Voltage regulation system	Electronic	
Standard AVR	D510C	
Voltage tolerance	%	0.5
Class	H	
IP protection	23	
Cooling air	m ³ /s	2.5



Genset Equipment - Basic Configurations Available

Battery	n	4
Battery Capacity	Ah	200
INTEGRATED FUEL TANK - VERSIONS AVAILABLE		:
IFT1 - Integrated Fuel Tank (steel)	l	500
IFT2 - Integrated Fuel Tank (steel)	l	1000

Supplements available:

Manual Battery Switch	MBS
Fully bunded base frame	FBD
Leakage detection sensor (only with FBD)	LDS
Fuel Cut Off Valve	FCV
Automatic Fuel Pump	AFP
Double Automatic Fuel Pump	DFP
Coolant Pre-Heating System	PHS
Automatic Lube Oil Top Up System with lube oil tank	ALS
Other Configurations and-or special versions available on requests	.

Installation data Preliminary

Total air flow	m ³ /min	TBA
Exhaust gas flow	m ³ /min	445
Exhaust gas temperature	°C	499
Fuel consumption 100% PRP/DCP	l/h	500.00

Electrical Data

Battery Voltage	V	24
Genset Voltage	V	400/230
Frequency	Hz	50
Phases		3
Power Factor	cos ϕ	0.8
Circuit breaker	A	4000



Control panel - Options Available:

AUTOMATIC CONTROL PANEL	ACP
MODULAR PARALLEL PANEL	MPP



ACP - AUTOMATIC CONTROL PANEL

- Auto Mains Failure (AMF) function
- Gen-set controller for single genset operating in standby or prime power modes
- Full gen-set monitoring and protection
- Detailed event and performance log with time and date
- Wide range of remote control modules available as option
- Wide range of I/O expansion modules available as option

Power supply by circuit breaker and/or terminal bus bar



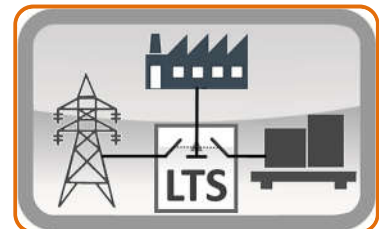
ACP - Power Panel - Breakers Available:

GCB1 - Genset Circuit Breaker 3-pole	A	4000
GCB2 - Genset Circuit Breaker 4-pole	A	4000
ETB - External Terminal Board (with GCB)		Standard



LTS - Load Transfer Switch [Accessories for ACP Automatic Control Panel]

The Load Transfer Switch (LTS) panel operates the power supply changeover between the generator and the Mains in stand-by applications, guaranteeing load supply in a short period of time. LTS fit inside a sturdy standalone cabinet which can be installed separate from the generating set. The logic control of LTS is operated by the Automatic Control Panel (ACP) of the generating set.



MPP - MODULAR PARALLEL PANEL

- Modular parallel panel allows the genset to work in parallel (up to 32 gen-sets)
- Easy switching between parallel to mains or multiple genset applications
- Full gen-set monitoring and protection
- Detailed event and performance log with time and date
- Wide range of communication and connection capabilities available

Power supply by terminal bus bar



MPP - Power Panel - Breakers Available:

GMB1 - Genset Circuit Breaker 3-pole motorized	A	4000
GMB2 - Genset Circuit Breaker 4-pole motorized	A	4000
ETB - External Terminal Board (with GMB)		Standard



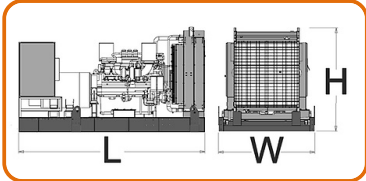
OPEN VERSION

- Baseframe made of welded steel profile
- Anti-vibration mountings properly sized
- Lifting points on the baseframe for handling by crane
- Moving and rotating parts protection against accidental contact
- Grounding point to connect all metal parts to ground



Dimensional data Open Version Preliminary

Length	(L) mm	6200
Width	(W) mm	2200
Height	(H) mm	3200



Weight Approx	kg	16500
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OPTIONS AVAILABLE (ONLY FOR OPEN VERSION)

Industrial Exhaust System	IES
Residential Exhaust System	RES

