



SACCAL INDUSTRIES S.A.L.
Member of Saccal Holding

PL 1100

Engine Perkins, 4008TAG2A

STANDARD FEATURES

- Water cooled PERKINS diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel skid base with lifting points
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Separate engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element



Voltage	Standby Power KVA	Prime Power KVA	Stand by Amps	Dimensions	Weight
415 / 240	1100	1000	1530	L x W x H = 4600 x 1700 x 2300 mm	9750 Kg.
400 / 230	1100	1000	1588		
380 / 220	1100	1000	1671		

POWER DEFINITION

Prime Power is available for an unlimited number of annual operating hours in variable load applications

Standby Power is applicable for supplying emergency power in variable load applications

TERMS OF USE

Standard reference conditions Standby / Prime 27°C / 40°C Air Inlet Temp, 1000 m / 1000 m A.S.L. 60% relative humidity



Main features:

- Heavy level acoustic attention: 65 dB at 1 meter from all directions on site
- A critical type muffler is mounted inside the enclosure
- Total design flexibility
- Robustness and enhanced durability
- Heavy duty base frame made up of steel U channels 10*5cm insulated with 10cm sound absorbing material and covered by 2, 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 1.5, 2, 3mm sheet steel
- Canopy walls and ceiling are coated with sound absorbing material
- Anti Scratch 100 micron Powder Paint Coated under the temperature of 120 oC
- Four lockable doors
- Four lifting points
- Oil and coolant drainage points
- Easy canopy dismantling for maintenance purpose
- Full weather proof enclosure
- Suitable for operation in very adverse weather conditions

Dimensions Super Sound Proof Version

Canopy	SP1100
Length (mm).	12230
Width (mm).	2440
Height (mm).	2890
Dry weight (kg).	N/A

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ENGINE SPECIFICATIONS

DATA GENERAL DATA	Motor model	Perkins 4008TAG2A, 8 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	30.561
	Bore (in) X Stroke (in)	160 mm x 190 mm
	Compression ratio	13.6:1
	Speed (RPM)	1500
	Cycle	4 Stroke
	Maximum stand-by power at rated RPM (BHP)	1183
	BMEP (psi)	341.3
	Governor type	ELECTRONIC
EXHAUST SYSTEM	Exhaust gas temperature (°C)	450
	Exhaust gas flow (cfm)	6883
	Max. exhaust back pressure (mm WG)	600
FUEL SYSTEM	Consumption @ 110% load (L/hr)	
	Consumption @ 100% load (L/hr)	
	Consumption @ 75% load (L/hr)	162
	Consumption @ 50% load (L/hr)	
OIL	Oil capacity (L)	153
	Min. oil pressure (Bar)	4.7
	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	N/A
THERMAL BALANCE	Heat rejection to exhaust (KW)	331
	Radiated heat to ambient (KW)	100
	Heat rejection to coolant (kW)	316
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	1150
COOLANT SYSTEM	Radiator & Engine capacity (L)	149
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
	Fan power (kW)	42
	Fan air flow w/o restriction (m3/sec)	24
	Available restriction on air flow (mm WG)	25
	Type of coolant Thermostat (°C)	Gencool 82-95
EMISSIONS	Emissions PM (g/kW.h)	NA
	Emission CO (g/kW.h)	NA
	Emissions HCNOx (g/kWh)	NA
	Emission HC (g/kW.h)	NA

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