



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

PL 440

Engine Perkins, 2206A-E13TAG3

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	440	400	612	L x W x H = 3300 x 1140 x 2000 mm	3450 Kg.
400 / 230	440	400	635		
380 / 220	440	400	669		

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	SSP440
Length (mm).	4600
Width (mm).	1520
Height (mm).	2500
Dry weight (kg).	N/A

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ENGINE SPECIFICATIONS

DATA GENERAL DATA	Motor model	Perkins 2206A-E13TAG3, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	12.5
	Bore (in) X Stroke (in)	130 mm x 157 mm
	Compression ratio	16.3:1
	Speed (RPM)	1500
	Cycle	4 Stroke
	Maximum stand-by power at rated RPM (BHP)	554
	BMEP (psi)	NA
	Governor type	ELECTRONIC
EXHAUST SYSTEM	Exhaust gas temperature (°C)	465
	Exhaust gas flow (cfm)	2384
	Max. exhaust back pressure (mmWG)	500
FUEL SYSTEM	Consumption @ 110% load (L/hr)	
	Consumption @ 100% load (L/hr)	
	Consumption @ 75% load (L/hr)	62
	Consumption @ 50% load (L/hr)	
OIL	Oil capacity (L)	40
	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)	224
	Radiated heat to ambient (KW)	9
	Heat rejection to coolant (kW)	129
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
COOLANT SYSTEM	Radiator & Engine capacity (L)	51.4
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
	Fan power (kW)	10
	Fan air flow w/o restriction (m3/sec)	5.8
	Available restriction on air flow (mm WG)	20
	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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