SACCAL INDUSTRIES S.A.L.
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PN 715

Engine Perkins, 2806A-E18TAG2

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	715	650	995	L x W x H = 3900 x 1540 x 2200 mm	4750 Kg.
400 / 230	715	650	1032		
380 / 220	715	650	1086		

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.

Dimensions Super Sound Proof Version	
Canopy	SSP715
Length (mm).	6500
Width (mm).	2000
Height (mm).	2800
Dry weight (kg).	N/A

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 in1.5, 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

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ENGINE SPECIFICATIONS

DATA	Motor model	Perkins 2806A-E18TAG2, 6 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	18.1
	Bore (in) X Stroke (in)	145 mm x 183 mm
	Compression ratio	14.5:1
	Speed (RPM)	1500
	Cycle	4 Stroke
GENERAL DATA	Maximum stand-by power at rated RPM (BHP)	795
	BMEP (psi)	NA
	Governor type	ELECTRONIC
EXHAUST SYSTEM	Exhaust gas temperature (°C)	450
	Exhaust gas flow (cfm)	3587
	Max. exhaust back pressure (mm WG)	500
FUEL SYSTEM	Consumption @ 110% load (L/hr)	
	Consumption @ 100% load (L/hr)	
	Consumption @ 75% load (L/hr)	97
	Consumption @ 50% load (L/hr)	
OIL	Oil capacity (L)	62
	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)	463
	Radiated heat to ambient (KW)	20
	Heat rejection to coolant (kW)	218
AIR INTAKE	AIR INTAKE entree max% Intake air flow (L/sec)	727
COOLANT SYSTEM	Radiator & Engine capacity (L)	61
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
	Fan power (kW)	39
	Fan air flow w/o restriction (m3/sec)	18.46
	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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