SACCAL INDUSTRIES S.A.L.
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DN 110

Engine Deutz, WP4D100E200

STANDARD FEATURES

- Water cooled DEUTZ 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
- 12V 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	110	100	153.0	L x W x H = 2240 x 730 x 1500 mm	1150 Kg.
400 / 230	110	100	159		
380 / 220	110	100	167		

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	SSP110
Length (mm).	3650
Width (mm).	1150
Height (mm).	1630
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 3mm sheet steel from both sides up and down
- Canopy components are manufactured in 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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Saccal Industries S.A.L. – Taanayel – Bekaa – Lebanon.
Tel +961 (8) 51 01 57 – Fax : +961 (8) 51 01 58 – www.saccal.com

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ENGINE SPECIFICATIONS

DATA GENERAL DATA	Motor model	DEUTZ WP4D100E200, 4 cylinders
	Cylinder arrangement	Vertical in-line
	Displacement (L)	4.5
	Bore (in) X Stroke (in)	105 mm x 130 mm
	Compression ratio	16.0:1
	Speed (RPM)	1500
	Cycle	4 Stroke
	Maximum stand-by power at rated RPM (BHP)	NA
	BMEP (psi)	NA
	Governor type	Mechanical
EXHAUST SYSTEM	Exhaust gas temperature (°C)	555
	Exhaust gas flow (cfm)	780
	Max. exhaust back pressure (mmWG)	600
FUEL SYSTEM	Consumption @ 110% load (L/hr)	22.0
	Consumption @ 100% load (L/hr)	20.0
	Consumption @ 75% load (L/hr)	15.9
	Consumption @ 50% load (L/hr)	10.0
OIL	Oil capacity (L)	10
	Min. oil pressure (Bar)	4.7
	Max. oil pressure (Bar)	7.5
	Oil consumption 100% load (L/hr)	1.36
THERMAL BALANCE	Heat rejection to exhaust (KW)	NA
	Radiated heat to ambient (KW)	NA
	Heat rejection to coolant (kW)	NA
AIR INTAKE	AIR INTAKE_entree_max% Intake air flow (L/sec)	NA
COOLANT SYSTEM	Radiator & Engine capacity (L)	25.8
	Max water temperature (°C)	102
	Outlet water temperature (°C)	95
	Fan power (kW)	3
	Fan air flow w/o restriction (m3/sec)	4.44
	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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