DIESEL GENERATOR SET

Model : ATL-200PKN

Powered by PERKINS

Generator Spesification

Service	PRP	ESP
Power (kVA)	**200**	**220**
Power (kW)	160	176
Rated Speed (r.p.m)	1500	
Standard Voltage (V)	400/230V	
Rated at power factor (cos phi)	0.8	

(1) PRP (Prime Power)

According to ISO8528-1, prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during at 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) ESP (Standby Power)

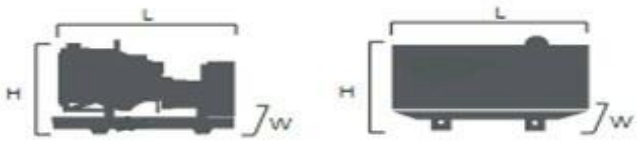
According to ISO 8528-1, it is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures being carried out as prescribed by the manufactures. No overload capability is available

Powers	ESP		PRP		Standby
Voltage (V)	KVA	KW	KVA	KW	Amps
415/240	220	176	200	160	306
400/230	220	176	200	160	317
380/220	220	176	200	160	334

Performance Data		
Model		ATL200PKN
Engine Brand		Perkins
Engine Model		1106A-70TAG4
Speed control type		Electronic
Phase		3
Control system		Digital
Starter motor voltage		12V
Frequency		50HZ
Enigne speed (RPM)		1500
Fuel Consumption (L/H)	100% standbay power	49.4
	100% prime power	45.8
	75% prime power	34.7
	50% prime power	23.1

Standard reference conditions

Note : standard reference condition 25C (77F) air inlet temp. 100m (328ft) A.S.L 30% relative humidity. Fuel consumption dat with diesel fuel with specific gravity of 0.85 and conforming to BS 2869: 1998, Class A2



Dimension and Wieght		
Dimension	Open	Silent
Length (L)	2400 mm	3550 mm
Width (W)	1040 mm	1100 mm
Height (H)	1555 mm	1900 mm
Net Weight	1700 KG	2292 KG
Fuel Tank (L)	350	220

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Engine Spesificcation : 1106A-70TAG4

Basic technical data	
No. Of cylinders	6
Cylinder arrange	In line
Cycle	4 stroke
Induction system	Turbocharged
	and air changed cooled
Compression ratio	16:01
Bore	105 mm
Stroke	135 mm
Displacement	7.0 L
All rating certified to within	TBD
Speed variation at constant load	TBD

Cooling system	
Total coolant capacity with radiator	TBD
Total coolant capacity without radiator	TBD
Maximum top tank temp.	110 C
Thermostat operation range	85-95 C
Radiator face area	0.351 m
Rows and Material	4 rows alumunium
Pressure cap setting	100 kpa
Fan diameter	610 mm
Drive ratio	1.2 : 1
Number of blades	7

Fuel system	
Injection system	Mechanical
Fuel injection pump	DP210G
Fuel atomiser	TBD
Nozzel opening pressure	TBD
Fuel lift pump type	Electronic
- flow / hour	TBD
- pressure	TBD
Maximum suction head	10 kpa
- 1500 rev/min	

Induction System	
Clean filter	5 kpa
Dirty filter	8 kpa
Air filter type	paper element

Lubrication system	
Total lub capacity	16.5 L
Sump minimum	12.5 L
Sump maximum	15.5 L
Maximum engine operating angels -front up, front down, right side or or left side	25 C
Lubricating oil pressure relief valve opens	TBD
at maximum no-load speed	TBD
Oil consumption at full load as a % of fuel consumption	TBD

Electrical System	
Type	A115i
Alternator voltage	12 volts
Alternator output	85 amps
Starter motor voltage	12 volts
Starter motor power	4.0 kw

General installation	Prime Power
Combustion air flow	13.0m / min
Exhaust gas temp	580 C
Exhaust gas flow, wet	32.9 m / min
Enginee coolant flow	180l/ min
Cooling fan air flow	TBD