

# Model : ATL-250PKN

Powered by PERKINS



## Generator Specification

Service	PRP	ESP
Power (kVA)	<b>250</b>	<b>275</b>
Power (kW)	200	220
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

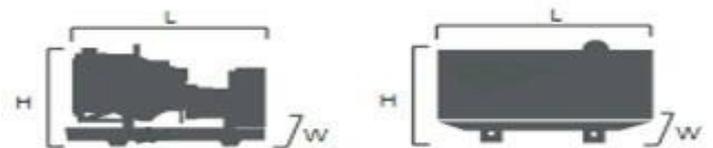
Powers Voltage (V)	ESP		PRP		Standby
	KVA	KW	KVA	KW	Amps
415/240	275	220	250	200	382
400/230	275	220	250	200	396
380/220	275	220	250	200	417

## Performance Data

Model	ATL250PKN	
Engine Brand	Perkins	
Engine Model	1506A-E88TAG3	
Speed control type	ECM	
Phase	3	
Control system	Digital	
Starter motor voltage	24V	
Frequency	50HZ	
Enigne speed (RPM)	1500	
Fuel Consumption (L/H)	100% standbay power	60.7
	100% prime power	55.5
	75% prime power	41.6
	50% prime power	28.9

### 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 Wieht

Dimension	Open	Silent
Length (L)	2850 mm	4120 mm
Width (W)	1200 mm	1250 mm
Height (H)	1760 mm	2207 mm
Net Weight	2310 KG	3274 KG
Fuel Tank (L)	450	400

■ **Engine Specification : 1506A-E88TAG3**

<b>Basic technical data</b>	
No. Of cylinders	6
Cylinder arrange	In line
Cycle	4 stroke
Induction system	Turbocharged
	Air to air after cooled
Compression ratio	16:01
Bore	112 mm
Stroke	149 mm
Displacement	8.8 L
All rating certified to within	TBD
Speed variation at constant load	TBD

<b>Cooling system</b>	
Total coolant capacity with radiator	TBD
Total coolant capacity without radiator	TBD
Maximum top tank temp.	107 C
Thermostat operation range	87-98 C
Radiator face area	0.49 m
Rows and Material	4 / aluminium
Pressure cap setting	110 kpa
Fan diameter	813 mm
Drive ratio	1 : 1
Number of blades	9

<b>Fuel system</b>	
Injection system	Direct
Fuel injection pump	TBD
Fuel atomiser	TBD
Nozzel opening pressure	TBD
Fuel lift pump type	ECM
- flow / hour	TBD
- pressure	TBD
Maximum suction head	60.9 kpa
- 1500 rev/min	

<b>Induction System</b>	
Clean filter	3.7 kpa
Dirty filter	6.2 kpa
Air filter type	Dry paper element

<b>Lubrication system</b>	
Total lub capacity	41 L
Sump minimum	TBD
Sump maximum	TBD
Maximum engine operating angels	
-front up, front down, right side or	25 C
or left side	
Lubricating oil pressure relief	TBD
valve opens	
at maximum no-load speed	TBD
Oil consumption at full load	TBD
as a % of fuel consumption	

<b>Electrical System</b>	
Type	Negative around
Alternator voltage	24 volts
Alternator output	45 amps
Starter motor voltage	24 volts
Starter motor power	5.3 kw

<b>General installation</b>	<b>Prime Power</b>
Combustion air flow	14.1m / min
Exhaust gas temp	537 C
Exhaust gas flow, wet	37.5 m / min
Enginee coolant flow	140l/ min
Cooling fan air flow	TBD