

Model : ATL-350PKN

Powered by PERKINS



Generator Specification

Service	PRP	ESP
Power (kVA)	350	400
Power (kW)	280	320
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

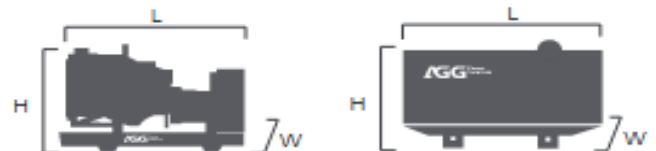
Powers Voltage (V)	ESP		PRP		Standby Amps
	KVA	KW	KVA	KW	
415/240	400	320	350	280	556
400/230	400	320	350	280	557
380/220	400	320	350	280	607

Performance Data

Model	ATL350PKN	
Engine Brand	Perkins	
Engine Model	2206A-E13TAG2	
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	77
	100% prime power	71
	75% prime power	54
	50% prime power	37

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 Wiegth

Dimension	Open	Silent
Length (L)	3180 mm	4470 mm
Width (W)	1180 mm	1420 mm
Height (H)	1925 mm	2253 mm
Net Weight	3500 KG	4450 KG
Fuel Tank (L)	320	750

■ **Engine Specification : 2206A-E13TAG2**

Basic technical data

No. Of cylinders	6
Cylinder arrange	Vertical line
Cycle	4 stroke
Induction system	Turbocharged
	Air to air charge cooling
Compression ratio	16:01
Bore	130 mm
Stroke	157 mm
Displacement	12.5 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.	104 C
Thermostat operation range	87-98 C
Radiator face area	1.24 m
Rows and Material	1 rows, aluminium
Pressure cap setting	70 kpa
Fan diameter	927 mm
Drive ratio	0.92 : 1
Number of blades	9

Fuel system

Injection system	MEUI
Fuel injection pump	TBD
Fuel atomiser	TBD
Nozzel opening pressure	TBD
Fuel lift pump type	ECM
- flow / hour	TBD
- pressure	TBD
Maximum suction head	TBD
- 1500 rev/min	

Induction System

Clean filter	2.5 kpa
Dirty filter	6.4 kpa
Air filter type	Paper element - 15 inc diameter

Lubrication system

Total lub capacity	40 L
Sump minimum	32.5 L
Sump maximum	38 L
Maximum engine operating angels	
-front up, front down, right side or	7 C
or left side	
Lubricating oil pressure relief	TBD
valve opens	
at maximum no-load speed	TBD
Oil consumption at full load	
as a % of fuel consumption	0.15 %

Electrical System

Type	Negative around
Alternator voltage	24 volts
Alternator output	70 amps
Starter motor voltage	24 volts
Starter motor power	7.8 kw

General installation **Prime Power**

Combustion air flow	24.3m / min
Exhaust gas temp	630 C
Exhaust gas flow, wet	64.6 m / min
Enginee coolant flow	TBD
Cooling fan air flow	140l/ min