

Model : ATL-750PKN

Powered by PERKINS



Generator Specification

Service	PRP	ESP
Power (kVA)	750	825
Power (kW)	600	660
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)

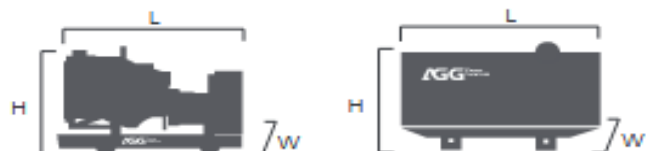
According to ISO 8528-1, it is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures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

Powers	ESP	PRP	Standby
Voltage (V)	KVA	KW	Amps
415/240	825	660	994
400/230	825	660	1032
380/220	825	660	1086

Performance Data		
Model	ATL750PKN	
Engine Brand	Perkins	
Engine Model	4006-23TAG2A	
Speed control type	Electronic	
Phase	3	
Control system	Digital	
Starter motor voltage	24V	
Frequency	50HZ	
Enigne speed (RPM)	1500	
Fuel Consumption (L/H)	100% standbay power	176
	100% prime power	161
	75% prime power	122
	50% prime power	183

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)	3700 mm	6058 mm
Width (W)	1706 mm	2438 mm
Height (H)	2120 mm	2591 mm
Net Weight	5800 KG	11650 KG
Fuel Tank (L)	TBD	900

■ Engine Specification : 4006-23TAG2A

Basic technical data	
No. Of cylinders	6
Cylinder arrange	Vertical line
Cycle	4 stroke
Induction system	Turbocharged

Compression ratio	13.6 : 1
Bore	160 mm
Stroke	190 mm
Displacement	22.9 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.	98 C
Thermostat operation range	71-85 C
Radiator face area	2.57 m
Rows and Material	3 row of brass tubes
Pressure cap setting	TBD
Fan diameter	1.2 mm
Drive ratio	0.78 : 1
Number of blades	TBD

Fuel system	
Injection system	Direct
Fuel injection pump	TBD
Fuel atomiser	TBD
Nozzel opening pressure	TBD
Fuel lift pump type	Electronic
- flow / hour	TBD
- pressure	TBD
Maximum suction head	2.5 m
- 1500 rev/min	

Induction System	
Clean filter	1.2 kpa
Dirty filter	3.7 kpa
Air filter type	Dry paper

Lubrication system	
Total lub capacity	62 L
Sump minimum	45 L
Sump maximum	53 L
Maximum engine operating angels -front up, front down, right side or or left side	TBD
Lubricating oil pressure relief valve opens at maximum no-load speed	620 kpa TBD
Oil consumption at full load as a % of fuel consumption	0.1 %

Electrical System	
Type	Insulated return
Alternator voltage	24 volts
Alternator output	70 amps
Starter motor voltage	24 volts
Starter motor power	9 kw

General installation	Prime Power
Combustion air flow	64 m / min
Exhaust gas temp	430 C
Exhaust gas flow, wet	180 m / min
Enginee coolant flow	10l/min
Cooling fan air flow	1200 m/min