

Model : **ATL-1500PKN**

Powered by PERKINS



Generator Specification

Service	PRP	ESP
Power (kVA)	1500	1650
Power (kW)	1200	1320
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)

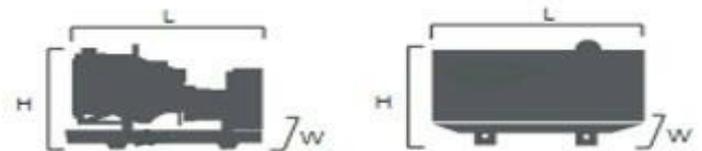
According to ISO 8528-1, it is defined as the maximum power available, under the agreed operating conditions, for which the generating set is capable of delivering for up to 500 hours of operation per year (of which no more than 300 hours for continuative use) with the maintenance intervals and procedures 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	1650	1320	1500	1200	2573
400/230	1650	1320	1500	1200	2670
380/220	1650	1320	1500	1200	2810

Performance Data		
Model	ATL1500.PKN	
Engine Brand	Perkins	
Engine Model	4012-46TAG2A	
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	335
	100% prime power	301
	75% prime power	237
	50% prime power	162

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)	5250 mm	12192 mm
Width (W)	2250 mm	2438 mm
Height (H)	2300 mm	2896 mm
Net Weight	10500 KG	20320 KG
Fuel Tank (L)	-	2000

■ **Engine Specification : 4012-46TAG2A**

Basic technical data

No. Of cylinders	12
Cylinder arrange	Vee 60
Cycle	4 stroke, compression ignition
Induction system	Turbocharged
Compression ratio	13.01
Bore	160 mm
Stroke	190 mm
Displacement	45.8 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	4.1 m
Rows and Material	Copper, 4 rows
Pressure cap setting	70 kpa
Fan diameter	1600 mm
Drive ratio	0.93 : 1
Number of blades	12

Fuel system

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

Induction System

Clean filter	2.0 kpa
Dirty filter	4.0 kpa
Air filter type	Paper element

Lubrication system

Total lub capacity	177 L
Sump minimum	136 L
Sump maximum	159 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	400 kpa TBD
Oil consumption at full load as a % of fuel consumption	TBD

Electrical System

Type	Insulated return
Alternator voltage	24 volts
Alternator output	40 amps
Starter motor voltage	24 volts
Starter motor power	16.4 kw

General installation

Combustion air flow	118 m / min
Exhaust gas temp	TBD
Exhaust gas flow, wet	TBD
Enginee coolant flow	1020l/min
Cooling fan air flow	TBD

Prime Power