



HPW

PERKINS

HPW-210 T5

Powered by:
PERKINS 1306C - E87TAG3

208 kVA at 50 Hz

Directive 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		P.R.P. (1)	Standby (2)
Rated output	kVA	208	229
Active power output *	kW	167	183
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	400 / 230 - 230 / 132 - 230	

Performance data refers to Standard Reference Conditions of ISO 8528 : + 25 °C , 100 m ALT, relative humidity 30 %

During running-in period the output increases by approx. 5 % which is taken into consideration at delivery.

Power reduction acc. to DIN ISO 3046. Standard values: Above 100 m ALT approx. 1 % per 100 m. Above 25 °C (77 °F) approx. 4 % per 10 °C (50 °F).

* Considering cos phi= 0,8

Prime Mover Performance		1.500 r.p.m.	
SERVICE		P.R.P. (1)	Standby (2)
Rated output	kW	187	206
Manufacturer		Perkins	
Engine model		1306C - E87TAG3	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED, AIR TO AIR CHARGE COOLER	
Cylinders, number and arrangement		6 - L	
Bore x stroke	mm	116 x 135,9	
Total displacement	L	8,7	
Cooling system		WATER	
Lube oil specifications		SAE 15 W 40	
Compression ratio	L / h	49,1	
Specific fuel consumption (P.R.P)	%	<0,1	
Specific oil consumption (at full load)		16,9 : 1	
Lube oil maximum capacity	L	26,4	
Total coolant capacity	L	37,2	
Speed governor	Type	ELECTRONIC	
Air filter	Type	DRY	

(1) Prime Power (P.R.P.) - ISO 8528: 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 a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) Max Stand-by power (ISO 3046 Fuel Stop power): power available for use at variable loads for limited annual time (500h), within the following limits of maximum operating time: 100% loads 25 h per year - 90% loads 200 h per year No overload available. Applicable in case of failure of the main in areas of reliable electrical network.

Synchronous Generator *		
Poles	N°	4
Winding connections (standard)		Star - serie
Frame mounting		SAE 2 - 11 th 1/2
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Phases		3 + N
Voltage regulator		A.V.R (Electronic)
Steady voltage precision		within ± 1,5% from no load to full loading with cosφ=0,8+1

*Alternator used by HIMOINSA Gensets meet the requirements of following Standard: BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, AS1359.



Generating Set Installation Data		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	524
	° F	975,2
Exhaust gas flow	kg / h	919,8
Heat rejected to exhaust	kcal/kWh	489
Maximum allowed back pressure	mm H2O	1.070
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/h	810
	ft³/h	672,8
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	N.A.
	CV	N.A.
Minimum recommended battery capacity	Ah	140
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	28,3
FUEL TANK CAPACITY		
Open Skid Genset	L	445
Soundproofed	L	445

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	3,5 - 11,48 (a)
Width	m - ft	1,1 - 3,6
Height	m - ft	1,77 - 5,8
Shipping volume seaworthy (Standard supplier)	m³ - ft³	7,20 - 239,70
Dry weight (with standard accessories)	kg - lb	1.990 - 4.378

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	3,8 - 12,46
Width	m - ft	1,4 - 4,59
Height	m - ft	2,10 - 6,90
Shipping volume seaworthy (Standard supplier)	m³ - ft³	11,19 - 394,62
Dry weight (with standard accessories)	kg - lb	3.230 - 7.106

(a) Chassis type K7. The leght datum refers to model with an external control panel (optional). Please consult for other configurations.

Pub. L. HPW-210 T5 03/2009 - HimoinSA reserves the right to modify any characteristic without prior notice. Weights and dimensions based on products standards and sec. / Illustration may include optional equipment.



HIMOINSA company with quality certification ISO 9001
HIMOINSA gensets are compliant with EC mark which includes the following directives:

- ISO 13857:2008 Machinery safety.
- 2006/95/EC Low voltage.
- 89/336/EEC Electromagnetic compatibility.
- 200/14/EC Sound Powr leve. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2002/88/EC & 2004/26/EC)



Local distributor



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