



# HPW

PERKINS

## HPW-135 - T5

Powered by:

### **PERKINS 1106C E66 TAG2**

135 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	135	150
Active power output *	kW	108	120
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	124	137,5
Manufacturer		Perkins	
Engine model		1106C E66 TAG2	
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	105 x 127	
Total displacement	L	6,6	
Cooling system		WATER	
Lube oil specifications		API-CH4/CI4	
Specific fuel consumption (P.R.P)	L / h	30,9	
Specific oil consumption (at full load)	%	< 0,1	
Compression ratio		16,2 : 1	
Lube oil maximum capacity	L	15,5	
Total coolant capacity	L	21	
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 3 - 11" 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.



## Directive 97/68/EC (Stage II)

HPW 135 T5 - 135 kVA at 50 Hz

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Generating Set Installation Data		1.500 r.p.m.
<b>EXHAUST SYSTEM</b>		
Max. exhaust temperature at full load	° C	441
	° F	825,8
Exhaust gas flow	kg/h	614,88
Heat rejected to exhaust	kcal/kWh	663,9
Maximum allowed back pressure	mm H2O	1.000
<b>AIR REQUIREMENT</b>		
Air requirement for combustion at 100% load / rated speed	m <sup>3</sup> /h	564
	ft <sup>3</sup> /h	468,47
<b>ELECTRIC STARTING SYSTEM</b>		
Starting motor output	kW	3,3
	CV	4,49
Minimum recommended battery capacity	Ah	120
Auxiliary voltage	Vcc.	12V
<b>LIQUID CAPACITY</b>		
Lube oil system including sump, filters, etc.	L	16,5
<b>FUEL TANK CAPACITY</b>		
Open Skid Genset	L	250
Soundproofed	L	245

Generating Set transport data		
<b>WEIGHT AND DIMENSIONS OPEN SKID GENSET</b>		
Length	m - ft	2.9 - 9.51
Width	m - ft	0.9 - 2,95
Height	m - ft	1.6 - 5,25
Shipping volume seaworthy (Standard supplier)	m <sup>3</sup> - ft <sup>3</sup>	4.176 - 147,28
Dry weight (with standard accessories)	kg - lb	1.645 - 3.619

<b>WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET</b>		
Length	m - ft	3,3 - 10,82
Width	m - ft	1,2 - 3,93
Height	m - ft	1,8 - 5,90
Shipping volume seaworthy (Standard supplier)	m <sup>3</sup> - ft <sup>3</sup>	7,12 - 250,88
Dry weight (with standard accessories)	kg - lb	2.380 - 5.236

\* The weights are approximate

Pub. L. HPW-135 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 Power level. 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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