



HPW-60 T5

Powered by:

PERKINS 1103A 33TG2

60 kVA at 50 Hz

Generating Set Performance		50 Hz	
SERVICE		P.R.P. (1)	Standby (2)
Rated output	kVA	60	65
Active power output *	kW	48	52
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	380 / 220 - 415 / 240	

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	55	60,5
Manufacturer		Perkins	
Engine model		1103A 33TG2	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED	
Cylinders, number and arrangement		3 - L	
Bore x stroke	mm	105 x 127	
Total displacement	L	3,3	
Cooling system		WATER	
Lube oil specifications		SAE 15 W 40	
Compression ratio		1.25 : 1	
Specific fuel consumption 100% (1.500 P.R.P)	gals / h	13,9	
Specific oil consumption (at full load)	%	0,15 del consumo de combustible	
Lube oil maximum capacity	L	7,8	
Total coolant capacity	L	10,2	
Speed governor	Type	mechanical	
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	Nº	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.

Generating Set Installation Data		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	557
	° F	1.034,6
Exhaust gas flow	m³/min	10,1
Engine coolant flow 35 kPa restriction	l/min	125,5
Maximum allowed back pressure	mmca	N.D.
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/min	3,8
	ft³/min	134,1
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	3
	CV	4,08
Minimum recommended battery capacity	Ah	65
Auxiliary voltage	Vcc.	12V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	8,3
FUEL TANK CAPACITY		
Open Skid Genset	L	140
Soundproofed	L	165

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	1,88 - 6,16
Width	m - ft	0,75 - 2,46
Height	m - ft	1,42 - 4,67
Shipping volume seaworthy (Standard supplier)	m³ - ft³	2,00 - 70,76
Dry weight (with standard accessories)	kg - lb	925 - 2.035
WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	2,75 - 9,02
Width	m - ft	1,1 - 3,60
Height	m - ft	1,5 - 4,92
Shipping volume seaworthy (Standard supplier)	m³ - ft³	4,53 - 159,76
Dry weight (with standard accessories)	kg - lb	1.485 - 3.267

Local distributor



Certificado ISO 9001 por



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