



HPW

PERKINS

HPW-670 T5

Powered by:

2806A - E18 TAG2

670 kVA at 50 Hz

Generating Set Performance		50 Hz	
SERVICE		P.R.P. (1)	Standby (2)
Rated output	kVA	670	720
Active power output *	kW	536	576
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400 / 230	
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	565	609
Manufacturer		PERKINS	
Engine model		2806A-E18TAG2	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED AND AIR TO AIR COOLED	
Cylinders, number and arrangement		6 - L	
Bore x stroke	mm	145 x 183	
Total displacement	L	18,13	
Cooling system		WATER	
Lube oil specifications		API CG4 - SAE 15 W 40	
Compression ratio		14,5 : 1	
Specific fuel consumption (P.R.P)	L / h	132	
Specific oil consumption (at full load)	%	0,1	
Lube oil maximum capacity	L	53	
Total coolant capacity	L	--	
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	Nº	4
Winding connections (standard)		Star - serie
Frame mounting		SAE 0 - 18"
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Exciter system		Self-regulating Brushless
Voltage regulator		A.V.R (Electronic)
Steady voltage precision		within $\pm 1,5\%$ from no load to full loading with $\cos\phi=0,8\div 1$

*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		
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	555
	° F	1.031
Exhaust gas flow	kg/h	2.671,2
Maximum allowed back pressure	mm H ₂ O	690
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m ³ /h	2.220
	ft ³ /h	78.397,08
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	--
	CV	--
Minimum recommended battery capacity	Ah	2x128
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	62
FUEL TANK CAPACITY		
Open Skid Genset	L	999
Soundproofed	L	999

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	*
Width	m - ft	*
Height	m - ft	*
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	*
Dry weight (with standard accessories)	kg - lb	*

WEIGHT AND DIMENSIONS SOUNDPROOFED CONTAINER 20'		
Length	m - ft	6,06 - 19,8
Width	m - ft	2,44 - 7,99
Height	m - ft	2,59 - 8,49
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	38,29 - 1.343,13
Dry weight (with standard accessories)	kg - lb	*
Sound level at 7m	dB(A)	*

* Weights and dimensions approximate. To consult in factory.

Local distributor



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