




Zeus

HSW-300 T5

Powered by:
SCANIA DC12 54A (10-80)

300 kVA at 50 Hz

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	300	330
Active power output *	kW	240	264
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400	
Voltage available	V	380 / 220 at 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		Continuous Service	Intermittent Service
Rated output	kW	273	318
Manufacturer		Scania	
Engine model		DC12 54A (10-80)	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED and after cooled	
Cylinders, number and arrangement		6 - L	
Bore x stroke	mm	127 x 154	
Total displacement	L	11,7	
Cooling system		WATER	
Lube oil specifications		ACEA E3-96 • CCMC D5 API CF	
Compression ratio		17 : 1	
Specific fuel consumption	g/kWh	191	
Specific oil consumption (at full load)	g/kWh	< 0,3	
Lube oil maximum capacity	L	33	
Lube oil minimum capacity	L	28	
Speed governor	Type	RQ + CAG	
Air filter	Type	DRY light duty	

PRIME POWER (P.R.P.): The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions.

A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND BY POWER: Is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power.

No kind of overload is permissible for this use.

Synchronous Generator *		
Poles	Nº	4
Winding connections (standard)		Star - serie
Frame mounting		SAE 1 - 14"
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Exciter system		3 + N
Voltage regulator		A.V.R. (electronic)
Steady voltage precision		within $\pm 1,5\%$ from no load to full loading with $\cos\phi=0,8+1$

*Alternator used by HIMOINSA Gensets meet the requirements of following Standard: IEC 34-1; CEI 2-3; ; VDE 0530; BS 4999-5000:NF 51-100,11

Generating Set Installation Data		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	466
	° F	870
Exhaust gas flow	Q(m³/h)	1.067
Heat rejected to exhaust	(kW/IFN)	183
Maximum allowed back pressure	mm / ca	500
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/min	19
	ft³/min	667
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	6,7
	CV	9
Minimum recommended battery capacity	Ah	160
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	34
FUEL TANK CAPACITY		
Open Skid Genset	L	590
Soundproofed	L	590

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	3,31 - 10,85
Width	m - ft	1,39 - 4,56
Height	m - ft	1,87 - 6,02
Shipping volume seaworthy (Standard supplier)	m³ - ft³	8,44 - 297,84
Dry weight (with standard accessories)	kg - lb	2.685 - 5.907
WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	4,10 - 13,44
Width	m - ft	1,60 - 5,9
Height	m - ft	2,21 - 7,25
Shipping volume seaworthy (Standard supplier)	m³ - ft³	14,49 - 574,89
Dry weight (with standard accessories)	kg - lb	4.045 - 8.899

Local distributor



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