



HSW

SCANIA

HSW-455 T5

Powered by:

SCANIA DC12 59A (10-34A)

455 kVA at 50 Hz

Directiv. 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	455	500
Active power output *	kW	364	400
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		Continuous Service	Intermittent Service
Rated output	kW	399	437
Manufacturer		Scania	
Engine model		DC12 59A (10-34A)	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED and after cooler	
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		16 : 1	
Specific fuel consumption	L / h	93,25	101,12
Specific oil consumption (at full load)	%	0,15	
Lube oil maximum capacity	L.	33	
Lube oil minimum capacity	L.	28	
Speed governor	Type	Electronic	
Air filter	Type	DRY	

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
Phases		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



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Generating Set Installation Data		1.500 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	559
	° F	1.038,2
Exhaust gas flow	Kg/h	1.920
Heat rejected to exhaust	Kcal/Kwh	565,1
Maximum allowed back pressure	mm/H2O	1.000
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m³/h	1.544
	kg/ h	1.282
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	6,7
	CV	9,112
Minimum recommended battery capacity	Ah	----
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	34
FUEL TANK CAPACITY		
Open Skid Genset	L	740
Soundproofed and Trailer Genset	L	740

Generating Set transport data		
WEIGHT AND DIMENSIONS OPEN SKID GENSET		
Length	m - ft	4,10 - 13,45 (a)
Width	m - ft	1,46 - 4,78
Height	m - ft	2,09 - 6,85
Shipping volume seaworthy (Standard supplier)	m³ - ft³	12,51 - 440,39
Dry weight (with standard accessories)	kg - lb	2.965 - 6.536*

WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET		
Length	m - ft	4,50 - 14,76
Width	m - ft	1,80 - 5,90
Height	m - ft	2,40 - 7,87
Shipping volume seaworthy (Standard supplier)	m³ - ft³	19,44 - 685,35
Dry weight (with standard accessories)	kg - lb	4.280 - 9.435*

(a) Chassis type K9. The height datum refers to model with an external control panel (optional). Please consult for other configurations.



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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HIMOINSA[®]
GENERATING SET