



**HYW**  
YANMAR

# HYW-8 T5

Powered by:

**3TNV 76 GGE**

7,8 kVA at 50 Hz

Directive 97/68/EC (Stage II) 

Generating Set Performance		50 Hz	
SERVICE		Continuous Service	Intermittent Service
Rated output	kVA	7,8	8,6
Active power output *	kW	6,2	6,9
Rated speed	r.p.m.	1.500	
Standard Voltage	V	400 / 230	
Voltage available	V	230 / 132	

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.  
\* Considering cos phi= 0,

Prime Mover Performance		1.500 r.p.m.	
SERVICE		Continuous Service	Intermittent Service
Rated output	kW (CV)	8,2 (11,1)	9,0 (12,2)
Manufacturer		YANMAR	
Engine model		3TNV 76 GGE	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		NATURALE	
Cylinders, number and arrangement		3 - L	
Bore x stroke	mm	76 x 82	
Total displacement	L	1,116	
Cooling system		WATER	
Lube oil specifications		API (CF, CF-4, CI-4); ACEA (E-3, E-4, E-5)	
Specific fuel consumption	Lts./h	2,62	
Specific oil consumption (at full load)		-	
Compression ratio		23,5	
Lube oil maximum capacity	L	3,5	
Lube oil minimum capacity	L	1,6	
Speed governor	Type	mechanical	
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 *		
Pôles	N°	4
Winding connections (standard)		Star - serie
Frame mounting		SAE 5 7 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: IEC 34-1; CEI 2-3; VDE 0530; BS 4999-5000:NF 51-100,11



Directive 97/68/EC (Stage II)

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HYW 8 T5 - 8,6 kVA at 50 Hz

Generating Set Installation Data		1.500 r.p.m.
<b>EXHAUST SYSTEM</b>		
Max. exhaust temperature at full load	° C	400
	° F	752
Exhaust gas flow	Kg/h	2,10
Heat rejected to exhaust	Kcal/Kwh	-
Maximum allowed back pressure	mm / H2O	292,93
<b>AIR REQUIREMENT</b>		
Air requirement for combustion at 100% load / rated speed	m <sup>3</sup> /min	0,90
	ft <sup>3</sup> /min	31,78
<b>ELECTRIC STARTING SYSTEM</b>		
Starting motor output	kW	1,1 ± 0,3
	CV	1,49 ± 0,40
Minimum recommended battery capacity	Ah	66
Auxiliary voltage	Vcc.	12
<b>LIQUID CAPACITY</b>		
Lube oil system including sump, filters, etc.	L	3,50
<b>FUEL TANK CAPACITY</b>		
Open Skid Genset	L	65
Soundproofed	L	23
<b>SOUND EMISSION LEVEL (Soundproofed gensets)</b>		
Sound power level - LW(A). According to directive 2000/14/CE	dB (A)	89
Sound pressure level 7 m - LPS	dB (A)	64
Sound pressure level 10 m - LPS	dB (A)	61

Generating Set transport data		
<b>WEIGHT AND DIMENSIONS OPEN SKID GENSET</b>		
Length	m - ft	1,32 - 4,33
Width	m - ft	0,60 - 1,96
Height	m - ft	1,13 - 3,70
Shipping volume seaworthy (Standard supplier)	m <sup>3</sup> - ft <sup>3</sup>	0,90 - 31,40
Dry weight (with standard accessories)	kg - lb	307 - 675,4

<b>WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET</b>		
Length	m - ft	1,47 - 4,83
Width	m - ft	0,75 - 2,46
Height	m - ft	1,11 - 3,64
Shipping volume seaworthy (Standard supplier)	m - ft	1,22 - 43,24
Dry weight (with standard accessories)	kg - lb	611 - 1.344,2

\* Weights and dimensions based on standard product configuration (this information could change for optional configurations)

Local distributor



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**HIMOINSA**  
generating sets