



MODEL  
**HSY-15 T5**  
 HS | STATIONARY RANGE  
 Standard soundproofing  
 Powered by YANMAR

-  HS10
-  WATER-COOLED
-  THREE PHASE
-  50 HZ
-  DIESEL

## Generating Rates



SERVICE		PRP	ESP
Power	kVA	13	14,3
Power	kW	10,4	11,4
Rated Speed	r.p.m.	1.500	
Standard Voltage	V	400/230	
Available Voltages	V	230/115 - 230 V (t) - 380/220 - 415/240	

**HIMOINSA Company with quality certification ISO 9001**  
**HIMOINSA gensets are compliant with EC mark which includes the following directives:**

- 2006/42/CE Machinery safety.
- 2014/30/UE Electromagnetic compatibility.
- 2014/35/UE electrical equipment designed for use within certain voltage limits
- 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC)
- 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2012/46/EU)
- EN 12100, EN 13857, EN 60204

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

**Prime Power (PRP):**

According to ISO 8528-1:2018, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

**Emergency Standby Power (ESP):**

According to ISO 8528-1:2018, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP

G2 class load acceptance in accordance with ISO 8528-5:2018

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**Subsidiaries:**

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## Engine Specifications 1.500 r.p.m.

ENGINE		PRP	ESP
Rated Output	kW	12,2	13,2
Manufacturer		YANMAR	
Model		3TNV88FUGGEHR	
Engine Type		4-stroke diesel	
Injection Type		Direct	
Aspiration Type		Natural	
Number of cylinders and arrangement		3-L	
Bore and Stroke	mm	88 x 90	
Displacement	L	1,642	
Cooling System		Liquid (water + 50% glycol)	
Lube Oil Specifications		SAE 3 class 10W30 / API grade CD,CF	
Compression Ratio		20	
Fuel Consumption ESP	l/h	4,3	
Total oil capacity including tubes, filters	L	12,8	
Total coolant capacity	L	4,8	
Governor	Type	Mechanical	
Air Filter	Type	Dry	

## Generator

Generator		
Manufacturer		STAMFORD
Poles	No.	4
Connection type (standard)		Star-series
Mounting type		S-4 7,5"
Insulation	Class	H class
Enclosure (according IEC-34-5)		IP23
Exciter system		Self-excited, brushless
Voltage regulator		A.V.R. (Electronic)
Bracket type		Single bearing
Coupling system		Flexible disc
Coating type		Standard (Vacuum impregnation)

## Application Data

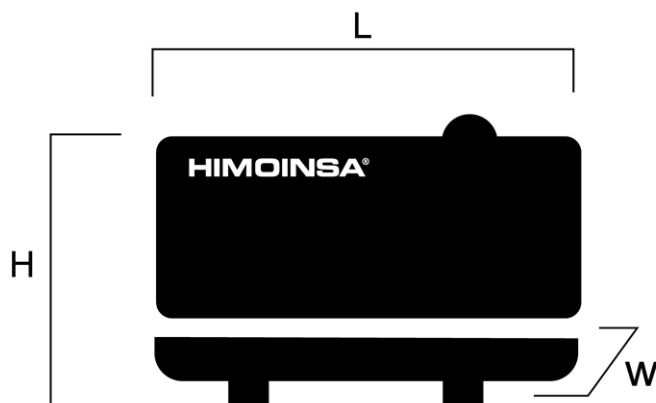
Exhaust System		
Maximum exhaust temperature	°C	450
Exhaust Gas Flow	m <sup>3</sup> /min	3,46
Maximum allowed back pressure	mm H <sub>2</sub> O	1000

Necessary Amount Of Air		
Intake air flow	m <sup>3</sup> /h	66,5
Cooling Air Flow	m <sup>3</sup> /s	0,753
Alternator fan air flow	m <sup>3</sup> /s	0,058

Starting System		
Starting power	kW	1,2
Starting power	CV	1,63
Auxiliary Voltage	Vdc	12

Fuel System		
Fuel Oil Specifications		Diesel
Fuel Tank	L	100
Other fuel tank capacities	L	140, 180, 225, 385

## Dimensions



HS10 Weight and Dimensions		
(L) Length	mm	1.725
(H) Height	mm	1.255
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	1,62
(*) Weight with liquids in radiator and sump	kg	550
Fuel tank capacity	L	100
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4

(\*) (with standard accessories)

STANDARD VERSION (Steel tank)

## Dimensions of Other Available Versions

Weight and Dimensions		
(L) Length	mm	1.725
(H) Height	mm	1.305
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	1,69
(*) Weight with liquids in radiator and sump	kg	Ask
Fuel tank capacity	L	140
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4

(\*) (with standard accessories)

OPTIONAL VERSION (Steel tank)

Weight and Dimensions		
(L) Length	mm	1.725
(H) Height	mm	1.355
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	1,75
(*) Weight with liquids in radiator and sump	kg	Ask
Fuel tank capacity	L	180
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4

(\*) (with standard accessories)

OPTIONAL VERSION (Steel tank)

Weight and Dimensions		
(L) Length	mm	1.725
(H) Height	mm	1.405
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	1,82
(*) Weight with liquids in radiator and sump	kg	Ask
Fuel tank capacity	L	225
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4

(\*) (with standard accessories)

OPTIONAL VERSION (Steel tank)

## Dimensions of Other Available Versions

<i>Weight and Dimensions</i>		
(L) Length	mm	1.725
(H) Height	mm	1.605
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	2,08
(*) Weight with liquids in radiator and sump	kg	Ask
Fuel tank capacity	L	385
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4
(*) (with standard accessories)		OPTIONAL VERSION (Steel tank)

<i>Weight and Dimensions</i>		
(L) Length	mm	1.725
(H) Height	mm	1.105
(W) Width	mm	750
Maximum shipping volume	m <sup>3</sup>	1,43
(*) Weight with liquids in radiator and sump	kg	Ask
Sound pressure level	dB(A)@7m	62 ± 2,4
Sound pressure level with attenuation system	dB(A)@7m	61 ± 2,4
(*) (with standard accessories)		OPTIONAL VERSION (Steel tank)