

Stationary GenSets

Power Range

H17/28 575~960 kW

H21/32 800~1,800 kW

H25/33 1,440~2,700 kW

H32/40 2,850~4,275 kW

H32/40V 5,700~9,500 kW

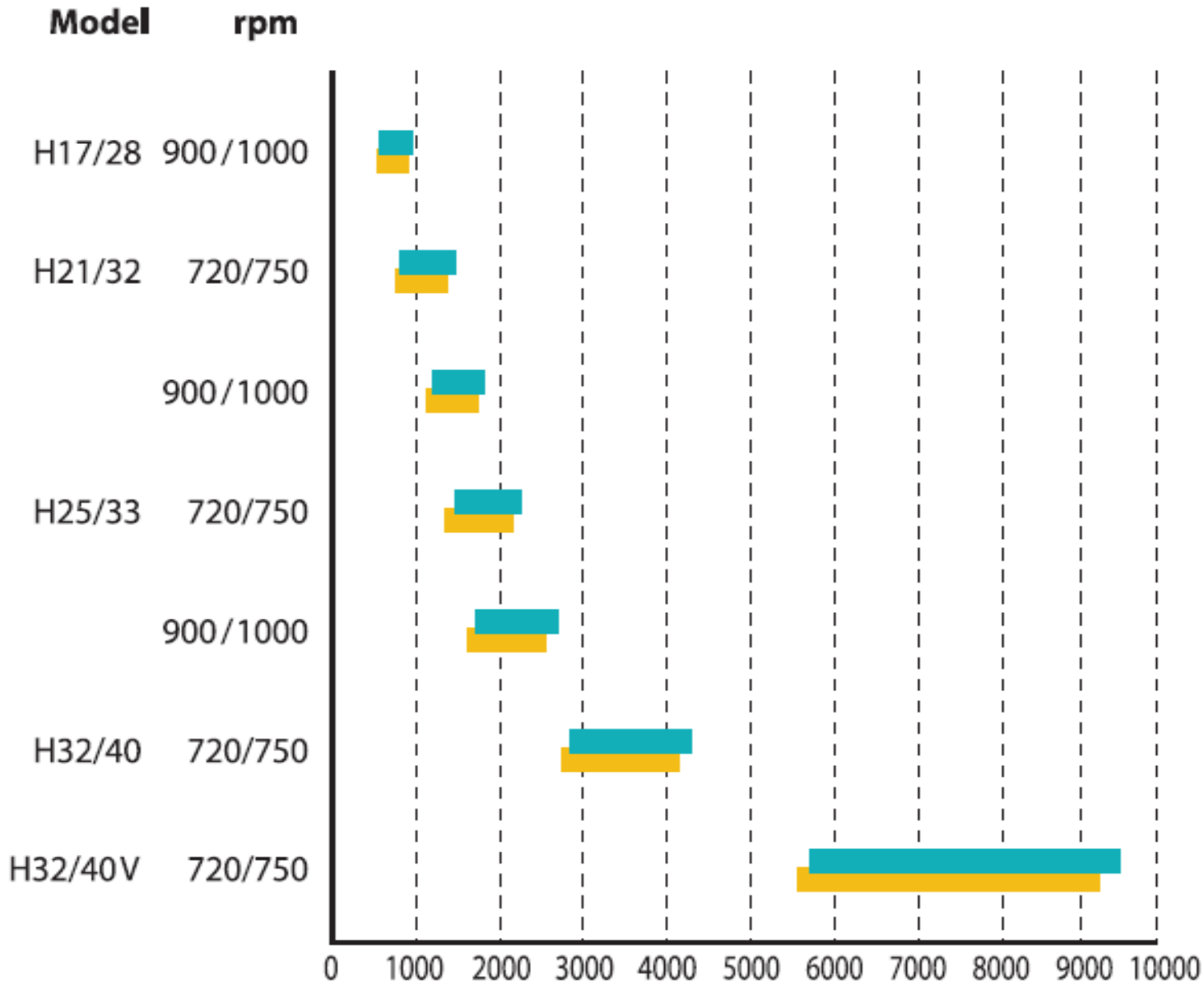




20 MW HiMSEN Engine Diesel Power Plant (9H25/33 X 8 Sets)

Engine (kW) 
Generator (kW) 

Stationary GenSets



Bore : 210 mm, Stroke : 320 mm

Main Data

Speed	720 rpm		750 rpm		900 rpm		1000 rpm	
	60 Hz		50 Hz		60 Hz		50 Hz	
Frequency	Eng. kW	Gen. kW	Eng. kW	Gen. kW	Eng. kW	Gen. kW	Eng. kW	Gen. kW
5H21/32	800	752	800	752	-	-	-	-
6H21/32	960	902	960	902	1,200	1,140	1,200	1,140
7H21/32	1,120	1,064	1,120	1,064	1,400	1,330	1,400	1,330
8H21/32	1,280	1,216	1,280	1,216	1,600	1,520	1,600	1,520
9H21/32	1,440	1,368	1,440	1,368	1,800	1,710	1,800	1,710

Remarks

- 1) The alternator outputs are calculated for an efficiency of 94~95 % and a power factor of 0.8 lagging.
- 2) Power adjusting upto -5 % derating is generally accepted, other power adjusting must be consulted with engine builder.

Specific Fuel Oil Consumption at Engine

Load	720 rpm	750 rpm	900 rpm	1000 rpm
100%	186 g/kWh	186 g/kWh	187 g/kWh	189 g/kWh

Remarks

- 1) SFOC tolerance +5 %
- 2) Based on engine driven pumps (L.O pump, H.T pump, L.T pump) attached condition
- 3) Warranted at 100 % load only

Specific Lubricating Oil Consumption

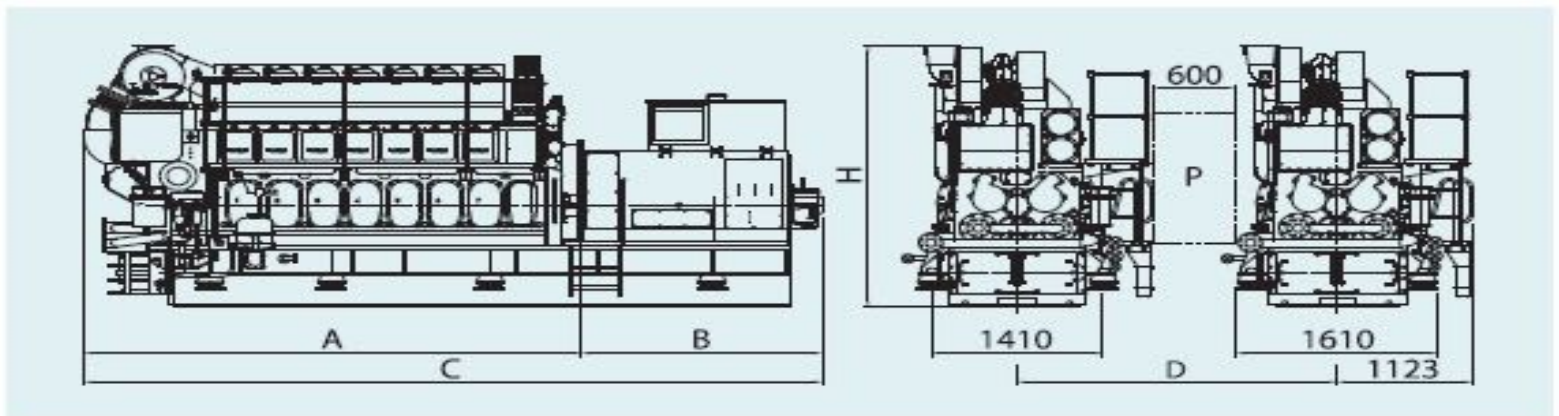
Lub. Oil : 0.6 g/kWh

(Tolerance : +25 % depending on the operating conditions)

Dimensions

720 / 750 rpm	Cyl.	Dimension(mm)				Dry Mass(ton) ²⁾	
		A	B ¹⁾	C ¹⁾	H	Engine ³⁾	GenSet ^{1),4)}
	5	3,405	1,926	5,331	2,712	14.0	22.4
	6	3,781	2,093	5,874	2,712	15.6	23.5
	7	4,111	1,923	6,034	2,781	17.1	26.5
	8	4,453	2,175	6,628	2,781	18.5	29.1
	9	4,783	2,265	7,048	2,911	19.9	31.7

900 / 1000 rpm	Cyl.	Dimension(mm)				Dry Mass(ton) ²⁾	
		A	B ¹⁾	C ¹⁾	H	Engine ³⁾	GenSet ^{1),4)}
	5	3,411	2,097	5,508	2,712	13.4	22.9
	6	3,781	1,896	5,677	2,781	15.1	26.1
	7	4,235	1,900	6,135	2,781	16.7	28.6
	8	4,453	2,175	6,628	2,911	18.4	29.1
	9	4,783	2,265	7,048	2,911	19.8	31.7

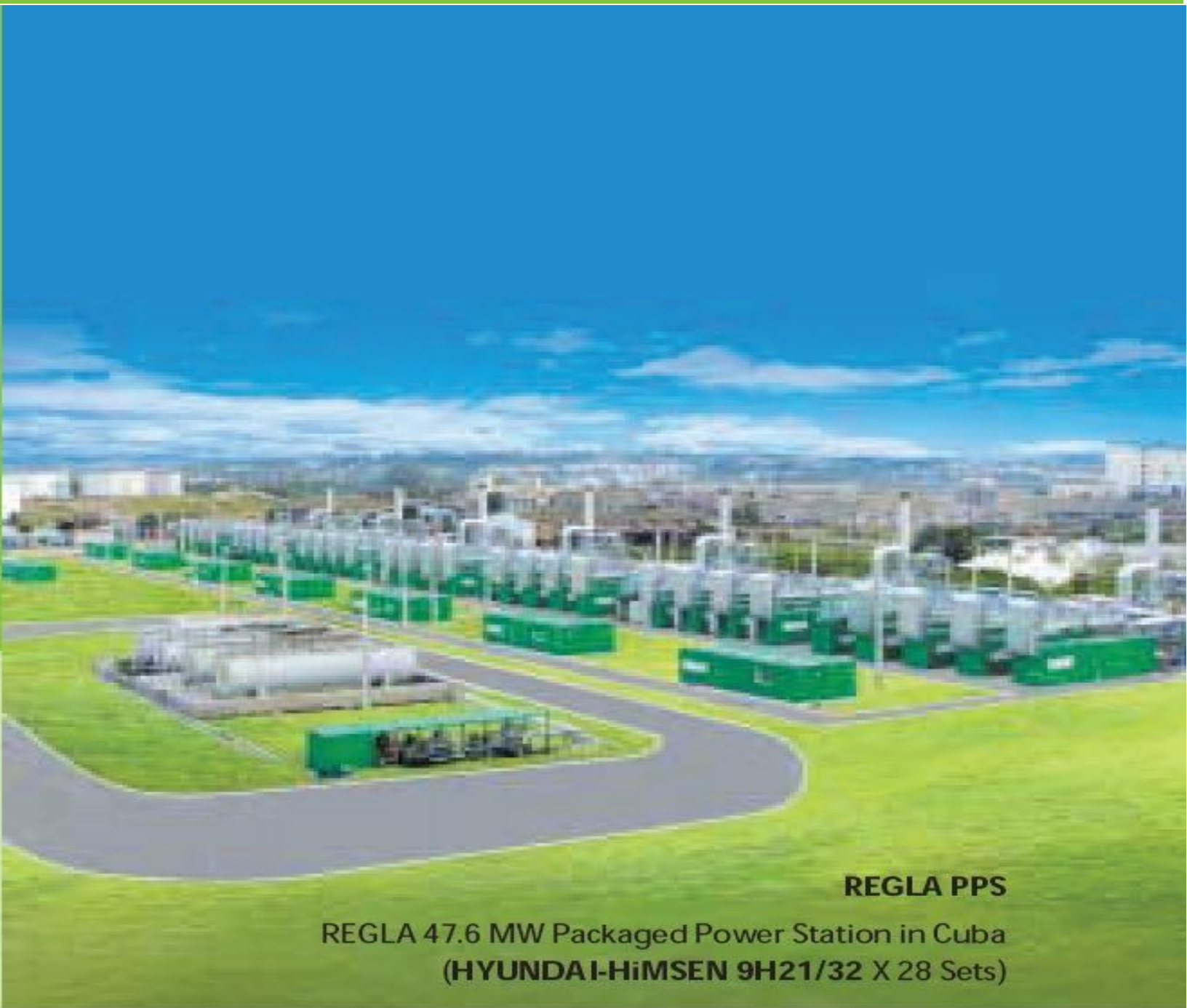


Remarks

- 1) : Depending on alternator.
- 2) : Weight included a standard alternator (Maker : HHI-EES).
- 3) : Without common base frame.
- 4) : With common base frame & alternator.

D : Min distance between engines 2,613 mm (with gallery).
 P : Free passage between the engines, width 600 mm and height 2,000 mm.
 Note) All dimensions and weight are approximate value and subject to change without prior notice.

Packaged Power Station (PPS)



REGLA PPS

REGLA 47.6 MW Packaged Power Station in Cuba
(HYUNDAI-HIMSEN 9H21/32 X 28 Sets)

Features

- Base load operation
- Diesel oil / Heavy fuel oil use
- Compact 40-feet container size
- Mobile type (option)
- Environmentally comfortable
- Low cost of operating and maintenance

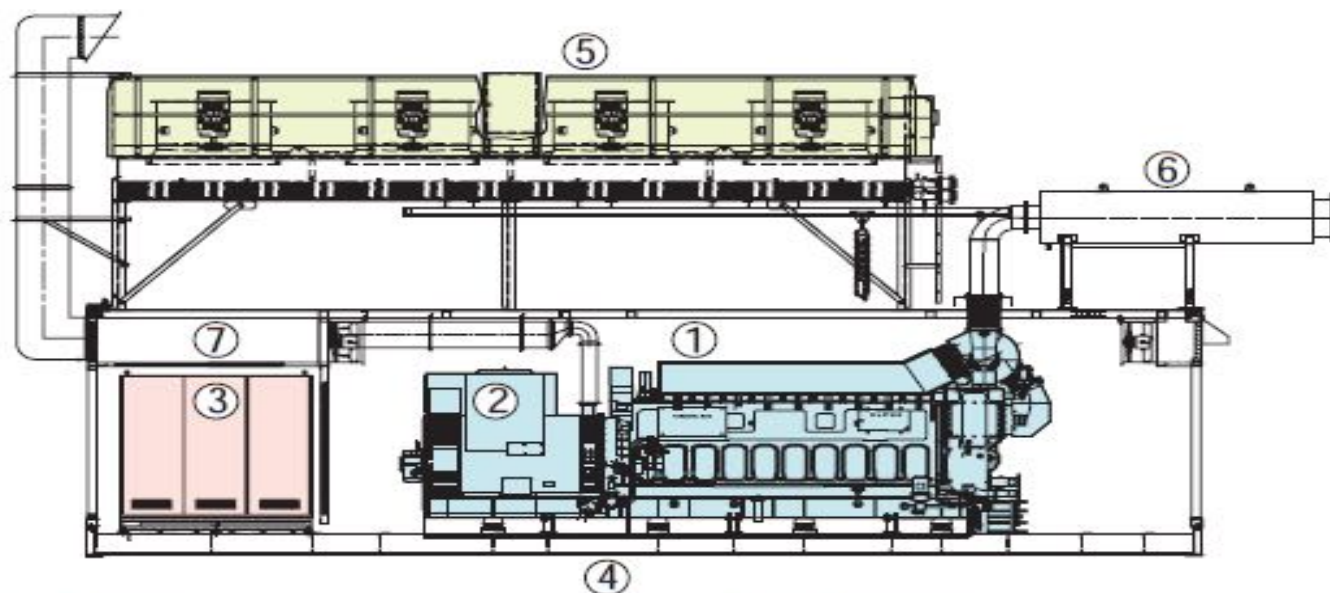
Application

- Captive power
- Construction site
- Isolated area
- Rental business
- Pumping station
- Independent power producer

General Specifications

Type(Rating)	0.5 MW	0.8 MW	1.1 MW	1.5 MW	1.7 MW
Engine Model	6H17 / 28	8H17 / 28	6H21 / 32	8H21 / 32	9H21 / 32
Generator	645 kW / 673 kW	865 kW / 902 kW	1,140 kW	1,520 kW	1,710 kW
Total Weight	24 ton	30 ton	42 ton	48 ton	50 ton
Dimension (W x H x L)	2.4 m x 3.4 m x 12 m				
Cooling Method	Radiator / Cooling Tower				
Speed	900 rpm / 1,000 rpm				
Fuel	Diesel oil / Heavy fuel oil				

※ The MCR will be based on ISO condition.



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|-------------------|---------------------------------|
| (1) Engine | (5) Radiator |
| (2) Generator | (6) Exhaust gas silencer |
| (3) Control panel | (7) Ventilation air exhaust fan |
| (4) Enclosure | |

Approval Status of Quality Management System

Product or Service Ranges	Certifying Agency
Design and Manufacture of Two-stroke Diesel Engines, Four-stroke Diesel Engines, Marine Propellers, Pumps & Valves, Press, Conveyor, Robots for Industrial Purposes, Steam Turbine, Gas Turbine, Diesel Power Plants and Engine Components including Turbochargers, Crankshafts, Cylinder Liners, Forged Steel, Shafting	ISO 9001:2000, KS A 9001:2001 ISO 14001:2004, KS A 14001:2004 OHSAS 18001:1999 (DNV)
Nuclear Diesel Generator (Class 1E), Pump and Butterfly Valve	Qualification Approval (KEPIC)
Forging Shop	Works Approval (ABS, BV, CCS, DNV, GL, KR, LR, NK, RINA)
Casting Shop	
Propeller	
Semi built-up Crankshaft	
Solid Crankshaft (TR Forging Crankshaft)	
Welding Workshop & Overlay Welding on Cylinder Cover	Works Approval (GL)