

# Dual Fuel Generator Sets

**H54DFV I Bore: 540 mm, Stroke: 600 mm**

## Main Data

| Speed                       | 600 rpm   |           | 600 rpm   |           |
|-----------------------------|-----------|-----------|-----------|-----------|
|                             | 60 Hz     |           | 50 Hz     |           |
| Frequency                   | Eng. (kW) | Gen. (kW) | Eng. (kW) | Gen. (kW) |
| 12H54DFV TSTC <sup>1)</sup> | 16,800    | 16,380    | 16,800    | 16,380    |
| 14H54DFV TSTC               | 19,600    | 19,110    | 19,600    | 19,110    |
| 16H54DFV TSTC               | 22,400    | 21,840    | 22,400    | 21,840    |

Based on alternator efficiency of 97.5 %.

1) TSTC : Two Stage Turbo Charger

## Heat Rate & SFOC (100% Load)

| Speed              | 600 rpm      |
|--------------------|--------------|
| Heat Rate@Gas mode | 7,090 kJ/kWh |
| SFOC@Diesel mode   | 176 g/kWh    |

\*) Note :

1) Reference condition based on ISO 3046/1

2) Main fuel oil based on marine diesel oil, LCV(Lower Calorific Value) 42,700kJ/kg

3) Fuel gas based on natural gas, Lower Heating Value 36MJ/Nm<sup>3</sup>, methane number Min. 80

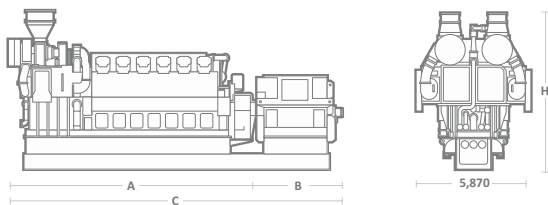
4) NOx Emission limitation : IMO Tier II on Diesel mode, IMO Tier III on Gas mode

## Specific Lubricating Oil Consumption

Lub. Oil: 0.5 g/kWh

## Dimension &amp; Weight

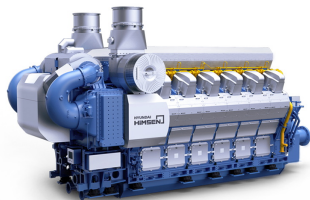
|               | Dimension (mm) |       |        |       | Dry mass (ton) |        |
|---------------|----------------|-------|--------|-------|----------------|--------|
|               | A              | B     | C      | H     | Engine         | GenSet |
| 12H54DFV TSTC | 12,511         | 4,638 | 17,149 | 7,994 | 303.0          | 391.0  |
| 14H54DFV TSTC | 13,661         | 4,582 | 18,243 | 7,994 | 335.0          | 431.0  |
| 16H54DFV TSTC | 15,086         | 4,757 | 19,843 | 8,383 | 373.0          | 480.0  |



## Remarks

- 1) Depending on alternator.
- 2) Without common base frame.
- 3) With common base frame & alternator (Maker: Hyundai Electric).

Note) All dimensions and weight are approximate value and subject to change without prior notice.



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