

## Marine Engines

# Output Selection (IMO Tier 2 compliant)

## High Speed Engines

Applications	Propulsion kW/rpm			Diesel-Electric Propulsion kW			Auxiliary Generator kW		
	Heavy duty	Medium duty	Light duty	1200rpm / 60Hz	1500rpm / 50Hz	1800rpm / 60Hz	1200rpm / 60Hz	1500rpm / 50Hz	1800rpm / 60Hz
<b>S6B3 - T2MPTAW</b>	320/1940	350/2000						335	375
<b>S6A3-MPTAW</b>	360/1840*	385/1800	221/1530						
<b>S6R-(Z3)MPTAW</b>	470/1600**	520/1650	605/1800**		545	577		545	635**
<b>S6R2-T2MPTK</b>	480/1350	530/1400	610/1500	500	640		500	640	
<b>S12A2-(Z3)MPTAW</b>	701/1940**	776/2000			709	752		709	828
<b>S12R-(Z3)MPTAW</b>	940/1600**	1040/1650		840	1120	1154	840	1120	1270
<b>S16R-(Z3)MPTAW</b>	1250/1600**	1380/1650		1120	1500	1536	1120	1500	1690
<b>S16R2-T2MPTAW</b>	1450/1350	1600/1400	1885/1500	1568	1960		1568	1960	

\*Also CCNR Stage II compliant \*\* Also EU Stage IIIA compliant

Specifications other than the standard specifications mentioned above may be available on request.

## Propulsion

### Heavy Duty

Typical Operation:

- Allowable Load Factor is less than 100% of Rated Power.
- Allowable Cruising Speed is less than 100% of Rated Speed.
- Operating hours are unlimited per year.

Typical Vessel Application:

- Cargo Vessels and Fishing Boats.

### Medium Duty

Typical Operation:

- Allowable Load Factor is up to 83% of Rated Power.
- Allowable Cruising Speed is up to 94% of Rated Speed.
- 100% of Rated Power is available intermittently for 8hrs per every 24hrs operation.
- Operating hours are less than 6,000hrs per year.

Typical Vessel Application:

- Working Boats, Passenger Vessels and Ferry Boats.

### Light Duty

Typical Operation:

- Allowable Load Factor is up to 75% of Rated Power.
- Allowable Cruising Speed is up to 91% of Rated Speed.
- 100% of Rated Power is available intermittently for 1hr per every 6hrs operation.
- Operating hours are less than 3,000hrs per year.

Typical Vessel Application:

- Pleasure Boats, High Performance Vessels, and Patrol Boats.

## Diesel-Electric Propulsion

Typical Operation:

- Average Load Factor is 60-80% of Rated Power.
- Operating hours: 3,000- 6,000hrs per year.
- Momentary overload: 110% is available for less than 25hrs per year on emergency basis.
- 100% of Rated Power is available for maximum of 3hrs per every 12hrs operation.

Typical Vessel Application:

- Offshore Vessels, Inland Cargo Vessels, and Ferries.

## Auxiliary Generator

### Main Power Supply

Typical Operation:

- Average Load Factor is 60-80% of Rated Power.
- Operating hours: 3,000- 4,000hrs per year.
- Momentary overload: 110 % is available for governing purpose.

### Emergency Power Supply

Typical Operation:

- Average Load Factor is 60% of Rated Power.
- Operating hours: up to 500hrs per year.
- Overload: 110% can be used for less than 25hrs per year.

For information on IMO1 and Medium Speed Engines, please contact your local distributor or Mitsubishi Turbocharger and Engine Europe B.V. Information is subject to change without notice



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