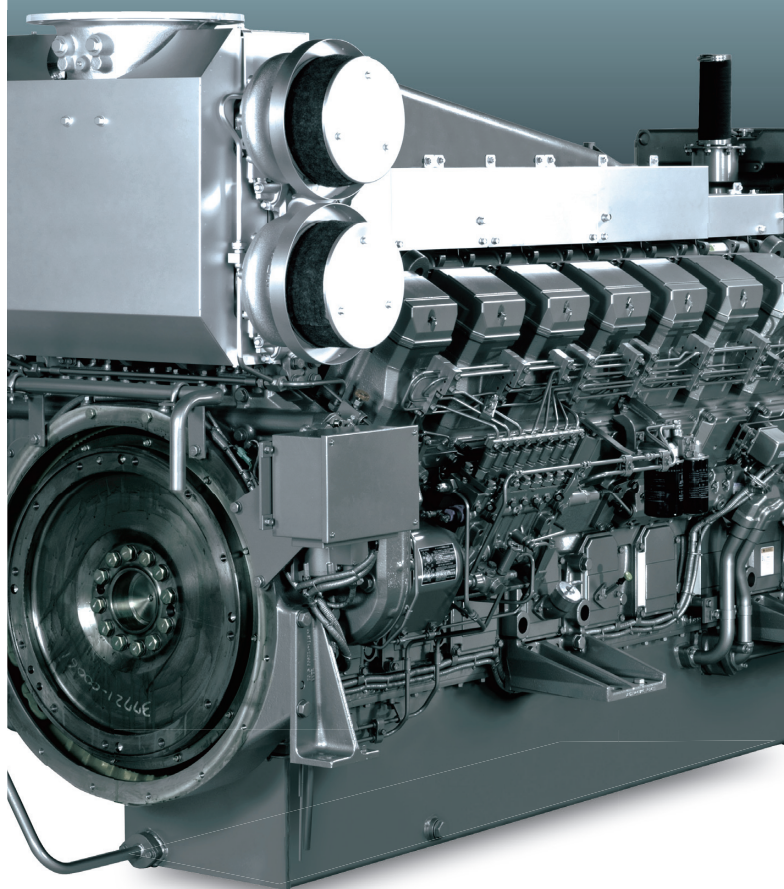


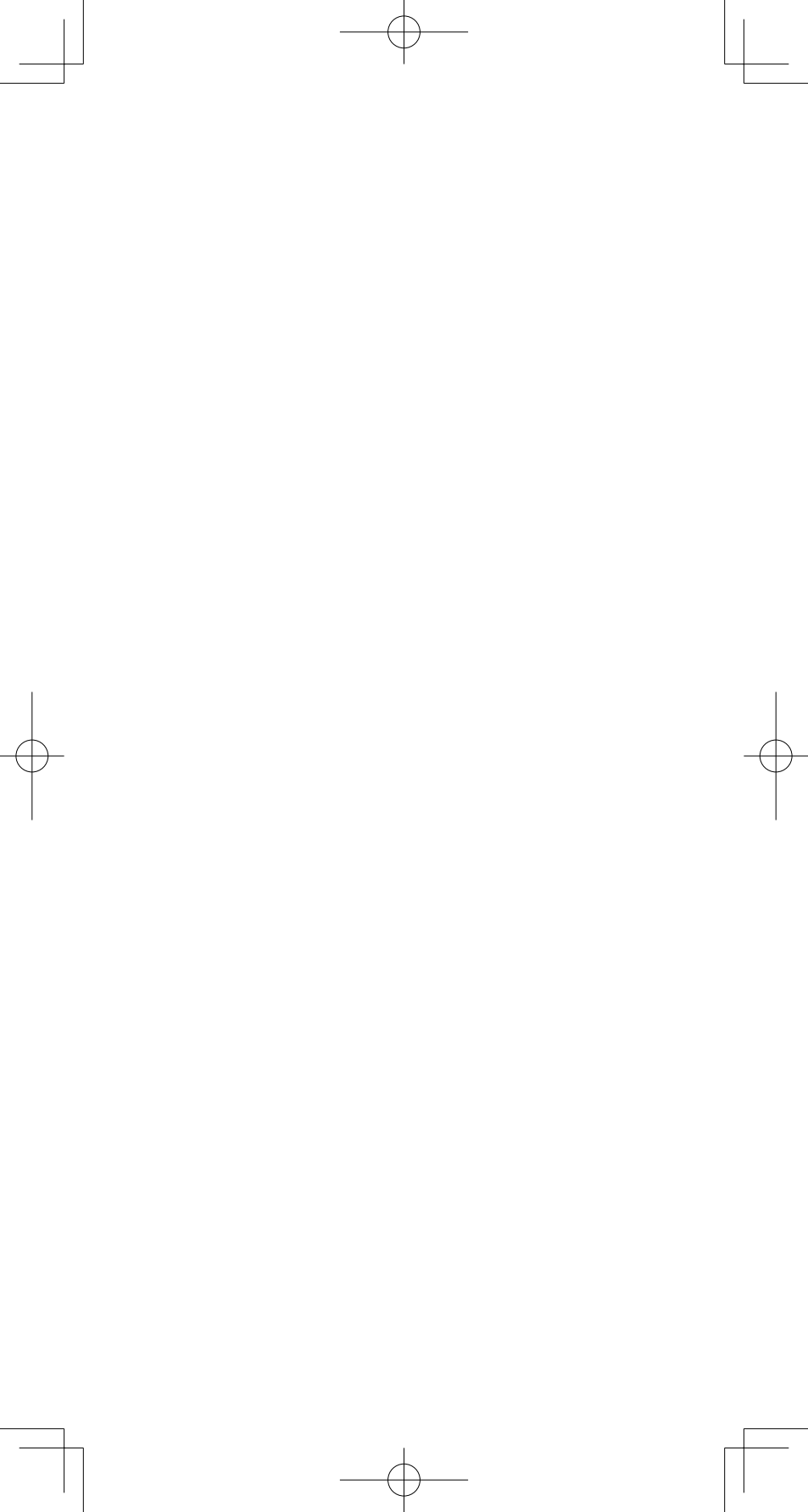


MITSUBISHI MARINE ENGINE PRODUCT GUIDE



MOVE THE WORLD FORWARD  **MITSUBISHI
HEAVY
INDUSTRIES
GROUP**

Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.



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Introduction

About Us

Mitsubishi Heavy Industries (MHI) has a long history of manufacturing internal combustion engines. Tracing back to the development and production of Japan's first diesel engine in 1917, MHI manufactured 2-stroke and 4-stroke, gasoline, diesel and natural gas engines. With the abiding enthusiasm and craftsmanship, Mitsubishi Heavy Industries Engine & Turbocharger (MHIET) was established in 2016 via split-off the turbocharger business and engine business from MHI. We have been manufacturing diesel and natural gas engines for a variety of applications including marine, industrial, agricultural, and construction in a wide range of output between 4kW and 5,750kW for over a century. MHIET is considered as one of the world's leading engine manufacturers.

About Mitsubishi Marine Engine

There are fifteen MHIET group companies in twelve different countries and Mitsubishi marine engines are manufactured at ISO9001 certified two factories, in Japan and France. The engines in France are assembled to deliver the same performance as the engines made in Japan, following MHIET's strict quality control procedures. To date, we have supplied more than 180,000 marine engines for both propulsion and auxiliary applications.

Mitsubishi marine engines are accredited with being highly reliable. Our marine engines are used on all kinds of vessels including pushers, tugs, passenger boats, and fishing vessels around the world. Featuring in-house developed mechanical fuel injection pump, our engines are widely acclaimed by demanding customers and users for durability, fuel economy, and easy maintenance. Our marine engines satisfy the world's major emissions standards such as IMO, EPA and GB, and certified with major classification societies as shown below.

Classification Certificates

Mitsubishi marine engines are delivered ready for installation on board. They are type-approved by major classification societies such as:

- American Bureau of Shipping (ABS)
- Biro Klasifikasi Indonesia (BKI)
- Bureau Veritas (BV)
- China Classification Society (CCS)
- Det Norske Veritas (DNV)
- Korean Register of Shipping (KR)
- Lloyds Register (LR)
- Nippon Kaiji Kyokai (NK)
- Registro Italiano Navale (RINA)
- Vietnam Register (VR)

For more information on classification society certification, please contact your local MHIET group company or MHIET marine engine dealers.

Rating Definitions

Rating Definitions for High Speed Engine

Propulsion

Heavy Duty (HD)

Typical Operation:

Allowable average load factor is up to 100% of rated power.

Allowable average speed is 100% or less of rated speed.

Typical Vessel:

Fishing boats, cargo boats, pusher boats

Medium Duty (MD)

Typical Operation:

Allowable average load factor is up to 83% of rated power.

Allowable average speed is up to 94% of rated speed.

100% rated power is available intermittently for 8 hours per 24 hours of operation.

Typical Vessel:

Tugboats, work boats, passenger boats, ferries

Light Duty (LD)

Typical Operation:

Allowable average load factor is up to 75% of rated power.

Allowable average speed is up to 91% of rated speed.

100% rated power is available intermittently for 1 hour per 6 hours of operation.

Typical Vessel:

Pleasure boats, yachts, patrol boats, tugboats, fire-fighting boats

Auxiliary and Diesel Electric Propulsion (DEP)

Prime - Limited Running Time

Typical Operation:

Allowable average load factor for 24 hours is 100% of rated power.

Overload of 110% can be used for less than 25 hours per year for emergency.

Allowable average load factor is less than 100%.

Prime - Unlimited Running Time

Typical Operation:

Allowable average load factor for 24 hours is 80% of rated power.

100% of rated power is available intermittently for 3 hours per 24 hours of operation.

Overload of 110% can be used for less than 25 hours per year for emergency.

Allowable average load factor is less than 60%.

Rating Definitions for Medium Speed Engine

Propulsion

Heavy Duty (HD)

Typical Operation:

Time at full load is available with no limitation.

Medium Duty (MD)

Typical Operation:

Displacement hull vessel with medium load.

Engine speed for cruising is 40 rpm lower than the rated speed.

Time at full load is available for 4 hours in any 12 hours period.

Light Duty (LD)

Typical Operation:

Fast vessels with low load.

Engine speed for cruising is 120 rpm lower than the rated speed.

Time at full load is available for 1 hour in any 6 hours period.

Heavy Duty Tugboat (HD Tug)

Typical Operation:

Time to full load is available for 8 hours in 24 hours operation.

Allowable average load factor is between 60% and 80%.

Typical Vessel:

Bay area tugboats

Auxiliary

Typical Operation:

Allowable load is 100% of rated power.

Continuous duty under variable load conditions.

Overload of 110% can be used for less than 25 hours per year for emergency.

Time at 100% load is available intermittently less than 3 hours in every 12 hours.

Allowable average load factor is between 60% and 80%.

Diesel Electric Propulsion (DEP)

Intermittent

Typical Operation:

Allowable load is 100% of rated power.

Power management setting (if in combination with other engines):

Change over: 80% - 100%, Shut down: 30% or less

Overload of 110% can be used for less than 25 hours per year for emergency.

Time at 100% load is available intermittently less than 3 hours in every 12 hours.

Allowable average load factor is between 60% and 80%.

Typical Vessel:

Offshore service vessels, harbor tugboats, research vessels, crew and supply vessels, rescue vessels, stand-by vessels

Continuous

Typical operation:

Allowable load is 100% of rated power.

Power management setting (if in combination with other engines):

Change over: 80% - 100%, Shut down: 30% or less

Overload of 110% can be used for less than 25 hours per year for emergency.

Time at 100% load is available with no limitation.

Typical Vessel:

Cargo ship, ocean-going tugboats

*In some special condition or application, the engine may not apply to any of the definition above. If you wish clarification, please contact your local MHIET group company.

Fuel Consumption Calculation Method

Fuel consumption rate of engines can vary according to load conditions. To obtain fuel consumption rate of our marine engines, we use the method in ISO 8178 (E3 standard test cycle for propulsion application and D2 for auxiliary applications except for SU Series engines. Fuel consumption values published in Mitsubishi Marine Engine Product Guide are calculated using the results from such tests. SU Series belongs to middle speed category and fuel consumption rate is calculated in a different way.

Weighting Factors of Type E3 ISO 8178 Test Cycles

Mode Number	1	2	3	4
Power (%)	100	75	50	25
Weighting Factor	0.20	0.50	0.15	0.15

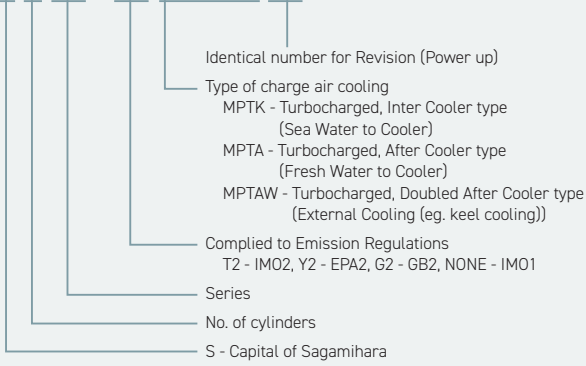
Weighting Factors of Type D2 ISO 8178 Test Cycles

Mode Number	1	2	3	4	5
Power (%)	100	75	50	25	10
Weighting Factor	0.05	0.25	0.30	0.30	0.10

Fuel consumption is based on ISO 3046/1 with 5% tolerance at rated power weighing 836g/liter based on the regulation of JIS (Japanese Industrial Standards) and a LHV of 42,780 kJ/kg, excluding pumps.

Engine Model Nomenclature

S 6 R2 - T2 M(P)TK 3L



Experience

Aux for SEP in Japan

Engine: **S16R-T2MPTK x 5**



Prop. for Passenger boat in Korea

Engine: **S16R-MPTK x 2**

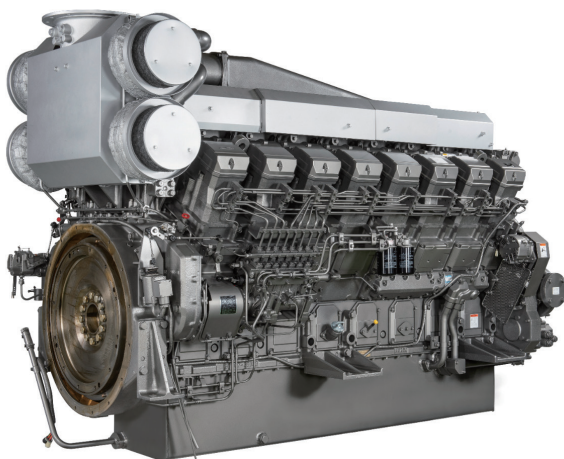


Azimuth for Cable layer in China

Engine: **S16R2-G1MPTK x 4**



S16R2-T2MPTK



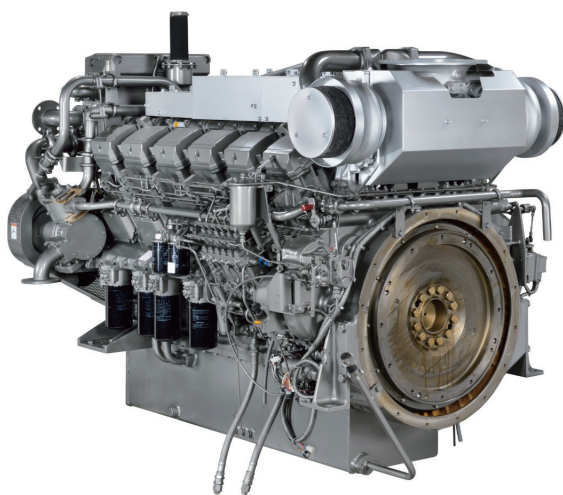
Experience

Prop. for Inland cargo in Netherland

Engine: **S12A2-MPTK x 2**



S12R-T2MPTK



Prop. & pump driving for Fire vessel in China

Engine: **S16R2-G1MPTK-1 x 2**
S12R-G1MPTK2-1 x 2



Aux for Oil tanker in Asia

Engine: **S12A2-MPTAW**



Experience

Prop. for Tugboat in Indonesia

Engine: **S6R2-T2MPTK3L x 2**



Prop. for Ferries in Norway

Engine: **S6R2-T2MPTK-5 x 4**



Prop. for Working vessel in Taiwan

Engine: **S6R2-MTK2L x 2**



Prop. for Tugboat in Japan

Engine: **S6R2-T2MTK3L x 1**



Experience

Prop. for Towboat (pusher) in USA

Engine: **S6R2-Y3MPTAW x 2**



Prop. for Tugboat in Brazil

Engine: **S6R2-MPTK3 x 3**

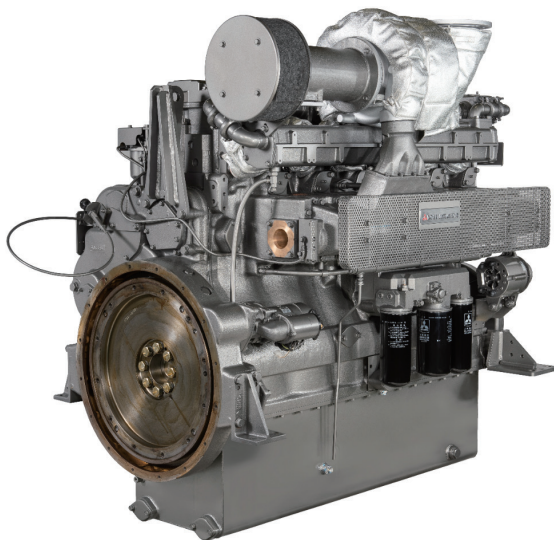


Prop. for Dhow in UAE

Engine: **S16R-T2MPTK x 2**



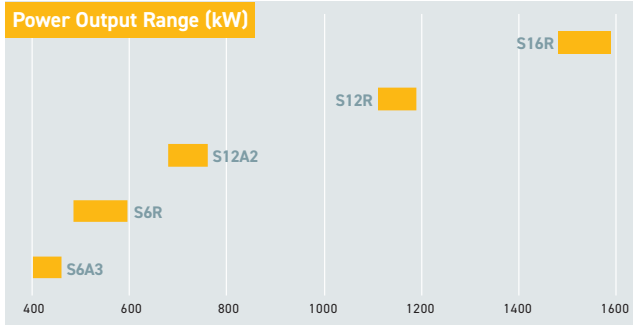
S6R2-G1MPTK



High Speed Engine/**Emergency (IM01)**

Usage : Auxiliary

kW	BHP	RPM	Hz	Engine Model	Emission	Page
400	536	1500	50 Hz	S6A3-MPTA	IM01	27
460	617	1800	60 Hz	S6A3-MPTA	IM01	27
485	650	1200	60 Hz	S6R2-MPTA	IM01	29
515	690	1500	50 Hz	S6R-MPTA	IM01	28
595	798	1500	50 Hz	S6R2-MPTA	IM01	29
595	798	1800	60 Hz	S6R-MPTA	IM01	28
679	910	1500	50 Hz	S12A2-MPTA	IM01	30
761	1020	1800	60 Hz	S12A2-MPTA	IM01	30
1110	1488	1500	50 Hz	S12R-MPTA	IM01	31
1190	1595	1800	60 Hz	S12R-MPTA	IM01	31
1480	1984	1500	50 Hz	S16R-MPTA	IM01	32
1590	2131	1800	60 Hz	S16R-MPTA	IM01	32



High Speed Engine/IM02

Usage : Propulsion

kW	BHP	RPM	Engine Model	Rating	Emission	Page
320	429	1940	S6B3-T2MPTAW	HD	IMO2	36
350	469	2000	S6B3-T2MPTAW	MD	IMO2	36
360	483	1840	S6A3-(T2)MPTAW	HD	IMO2	39
378	507	2001	S6B3-T2MPTK2Z	MD	IMO2	34
405	543	1840	S6A3-T2MPTAW	HD	IMO2	41
405	543	1840	S6A3-T2MPTK	HD	IMO2	37
445	597	1900	S6A3-T2MPTAW	MD	IMO2	41
445	597	1900	S6A3-T2MPTK	MD	IMO2	37
448	601	2001	S6B3-T2MPTK2L	LD	IMO2	35
470	630	1600	S6R-MPTAW	HD	IMO2	44
470	630	1600	S6R-T2MPTK	HD	IMO2	42
480	643	1350	S6R2-T2MPTK	HD	IMO2	45
502	673	1900	S6A3-T2MPTK3M	MD	IMO2	40
520	697	1650	S6R-MPTAW	MD	IMO2	44
520	697	1650	S6R-T2MPTK	MD	IMO2	42
530	710	1400	S6R2-T2MPTK	MD	IMO2	45
558	748	1900	S6A3-T2MPTK3L	LD	IMO2	38
600	804	1350	S6R2-T2MPTK3H	HD	IMO2	48
600	804	1350	S6R2-T2MPTAW3H	HD	IMO2	53
605	811	1800	S6R-MPTAW	LD	IMO2	44
605	811	1800	S6R-T2MPTK	LD	IMO2	42
610	818	1500	S6R2-T2MPTK	LD	IMO2	45
610	818	1637	S6R-T2MPTK2	MD	IMO2	43
691	926	1406	S6R2-T2MPTAW3M	MD	IMO2	52
691	926	1406	S6R2-T2MPTK3M	MD	IMO2	47
691	926	1696	S6R-T2MPTK2	LD	IMO2	43
701	940	1940	S12A2-T2MPTAW	HD	IMO2	56
701	940	1800	S12A2-T2MPTK	HD	IMO2	54
727	975	1800	S12A2-T2MPTAW2	HD	IMO2	57
759	1017	1406	S6R2-T2MPTAW3L	LD	IMO2	51
759	1017	1406	S6R2-T2MPTK3L	LD	IMO2	46
776	1040	2000	S12A2-T2MPTAW	MD	IMO2	56
776	1040	1860	S12A2-T2MPTK	MD	IMO2	54
818	1097	1800	S12A2-T2MPTAW2	MD	IMO2	57
841	1127	1450	S6R2-T2MPTK5L	LD	IMO2	49
858	1150	1920	S12A2-T2MPTK	LD	IMO2	54
940	1260	1600	S12R-(T2)MPTAW	HD	IMO2	60
940	1260	1600	S12R-T2MPTK	HD	IMO2	58
1040	1394	1650	S12R-(T2)MPTAW	MD	IMO2	60

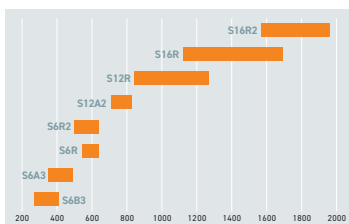
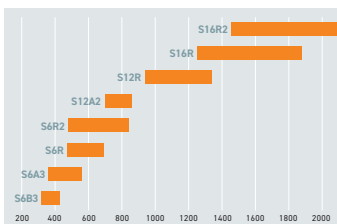
High Speed Engine/IM02

Usage : Propulsion

kW	BHP	RPM	Engine Model	Rating	Emission	Page
1040	1394	1650	S12R-T2MPTK	MD	IMO2	58
1202	1611	1650	S12R-T2MPTK2	MD	IMO2	59
1210	1622	1800	S12R-T2MPTK	LD	IMO2	58
1250	1676	1600	S16R-(T)MPTAW	HD	IMO2	62
1250	1676	1600	S16R-T2MPTK	HD	IMO2	61
1342	1799	1800	S12R-T2MPTK2	LD	IMO2	59
1380	1850	1650	S16R-(T)MPTAW	MD	IMO2	62
1380	1850	1650	S16R-T2MPTK	MD	IMO2	61
1450	1944	1350	S16R2-T2MPTAW	HD	IMO2	66
1450	1944	1350	S16R2-T2MPTK	HD	IMO2	64
1500	2011	1600	S16R-T2MPTAW2	HD	IMO2	63
1600	2145	1400	S16R2-T2MPTAW	MD	IMO2	66
1600	2145	1400	S16R2-T2MPTK	MD	IMO2	64
1610	2158	1800	S16R-(T)MPTAW	LD	IMO2	62
1610	2158	1800	S16R-T2MPTK	LD	IMO2	61
1690	2265	1650	S16R-T2MPTAW2	MD	IMO2	63
1875	2513	1800	S16R-T2MPTAW2	LD	IMO2	63
1885	2527	1500	S16R2-T2MPTAW	LD	IMO2	66
1885	2527	1500	S16R2-T2MPTK	LD	IMO2	64
2095	2808	1500	S16R2-T2MPTK2	LD	IMO2	65

Power Output Range (kW)

Usage : Propulsion



Power Output Range (kW)

Usage : Auxiliary/DEP

High Speed Engine/IM02

Usage : Auxiliary/DEP

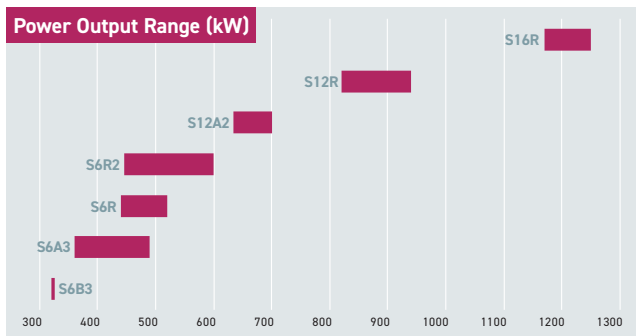
kW	BHP	RPM	Engine Model	Hz	Emission	Page
265	355	1200	S6B3-T2MPTAW	60 Hz	IMO2	36
265	355	1200	S6B3-T2MPTK	60 Hz	IMO2	33
335	449	1500	S6B3-T2MPTAW	50 Hz	IMO2	36
353	473	1200	S6A3-T2MPTAW	60 Hz	IMO2	41
355	476	1500	S6B3-T2MPTK	50 Hz	IMO2	33
375	503	1800	S6B3-T2MPTAW	60 Hz	IMO2	36
410	550	1800	S6B3-T2MPTK	60 Hz	IMO2	33
450	603	1500	S6A3-T2MPTAW	50 Hz	IMO2	41
450	603	1500	S6A3-T2MPTK	50 Hz	IMO2	37
490	657	1800	S6A3-T2MPTAW	60 Hz	IMO2	41
490	657	1800	S6A3-T2MPTK	60 Hz	IMO2	37
500	670	1200	S6R2-T2MPTK	60 Hz	IMO2	45
545	731	1500	S6R-MPTAW	50 Hz	IMO2	44
545	731	1500	S6R-T2MPTK	50 Hz	IMO2	42
610	818	1200	S6R2-T2MPTAW3	60 Hz	IMO2	50
635	851	1800	S6R-MPTAW	60 Hz	IMO2	44
635	851	1800	S6R-T2MPTK	60 Hz	IMO2	42
640	858	1500	S6R2-T2MPTK	50 Hz	IMO2	45
709	950	1500	S12A2-(T2)MPTAW	50 Hz	IMO2	55
709	950	1500	S12A2-T2MPTK	50 Hz	IMO2	54
828	1110	1800	S12A2-(T2)MPTAW	60 Hz	IMO2	55
828	1110	1800	S12A2-T2MPTK	60 Hz	IMO2	54
840	1126	1200	S12R-(T2)MPTAW	60 Hz	IMO2	60
840	1126	1200	S12R-T2MPTK	60 Hz	IMO2	58
1120	1501	1500	S12R-(T2)MPTAW	50 Hz	IMO2	60
1120	1501	1500	S12R-T2MPTK	50 Hz	IMO2	58
1120	1501	1200	S16R-(T2)MPTAW	60 Hz	IMO2	62
1270	1702	1800	S12R-(T2)MPTAW	60 Hz	IMO2	60
1270	1702	1800	S12R-T2MPTK	60 Hz	IMO2	58
1500	2011	1500	S16R-(T2)MPTAW	50 Hz	IMO2	62
1500	2011	1500	S16R-T2MPTK	50 Hz	IMO2	61
1568	2102	1200	S16R2-T2MPTAW	60 Hz	IMO2	66
1590	2131	1200	S16R2-T2MPTK	60 Hz	IMO2	64
1690	2265	1800	S16R-(T2)MPTAW	60 Hz	IMO2	62
1690	2265	1800	S16R-T2MPTK	60 Hz	IMO2	61
1960	2627	1500	S16R2-T2MPTAW	50 Hz	IMO2	66
1960	2627	1500	S16R2-T2MPTK	50 Hz	IMO2	64

High Speed Engine/EPA

Usage : Propulsion

kW	BHP	RPM	Engine Model	Rating	Emission	Page
320	429	2000	S6B3-Y2MPTK-4	HD	EPA2	67
320	429	1940	S6B3-Y3MPTAW-2	MD	EPA3	68
360	483	1840	S6A3-Y1MPTA-3	HD	EPA1	69
360	483	1840	S6A3-Y2MPTK-3	HD	EPA2	74
395	529	1900	S6A3-Y1MPTA-2	MD	EPA1	70
405	543	1840	S6A3-Y1MPTK-3	HD	EPA1	73
405	543	1840	S6A3-Y3MPTK-5	HD	EPA3	75
440	590	1600	S6R-Y1MPTA-3	HD	EPA1	77
445	597	1900	S6A3-Y1MPTK-2	MD	EPA1	72
445	597	1350	S6R2-Y1MPTA-3	HD	EPA1	84
470	630	1600	S6R-Y1MPTK-3	HD	EPA1	79
470	630	1600	S6R-Y2MPTK-3	HD	EPA2	80
470	630	1600	S6R-Y3MPTAW-4	HD	EPA3	82
480	643	1350	S6R2-Y1MPTK-3	HD	EPA1	85
485	650	1650	S6R-Y1MPTA-2	MD	EPA1	76
490	657	1960	S6A3-Y1MPTK-1	LD	EPA1	71
490	657	1400	S6R2-Y1MPTA-2	MD	EPA1	83
510	684	1800	S6R-Y3MPTAW-1	HD	EPA3	81
520	697	1650	S6R-Y1MPTK-2	MD	EPA1	78
599	803	1400	S6R2-Y3MPTAW-2	MD	EPA3	86
634	850	1940	S12A2-Y1MPTA-3	HD	EPA1	87
701	940	1940	S12A2-Y2MPTK-3	HD	EPA2	88
820	1099	1600	S12R-Y3MPTAW-4	HD	EPA3	93
820	1099	1800	S12R-Y3MPTAW-6	HD	EPA3	94
880	1180	1600	S12R-Y1MPTA-3	HD	EPA1	89
940	1260	1600	S12R-Y1MPTK-3	HD	EPA1	90
940	1260	1600	S12R-Y2MPTK-3	HD	EPA2	91
940	1260	1600	S12R-Y3MPTAW-3	HD	EPA3	92
940	1260	1600	S12R-Y4MPTAW-3	HD	EPA4	95
1170	1568	1600	S16R-Y1MPTA-3	HD	EPA1	96
1250	1676	1600	S16R-Y3MPTAW-3	HD	EPA3	97

Power Output Range (kW)



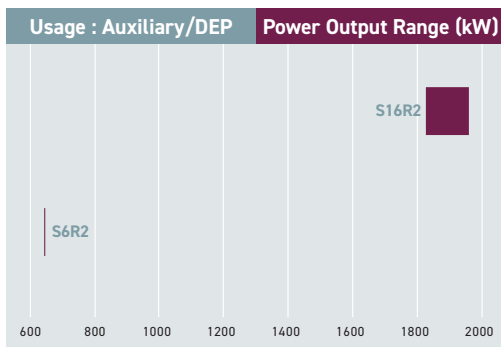
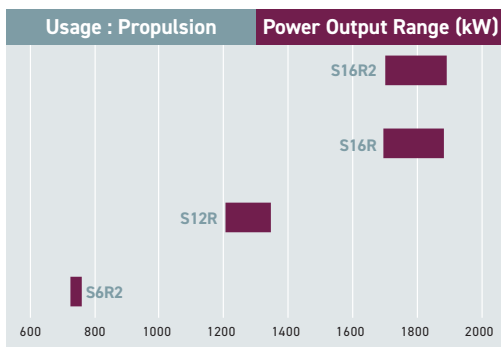
High Speed Engine/GB

Usage : Propulsion

kW	BHP	RPM	Engine Model	Rating	Emission	Page
725	972	1406	S6R2-G2MPTK3-1	LD	GB2(China2)	100
759	1017	1500	S6R2-G1MPTK3-1	LD	GB1(China1)	98
1202	1611	1650	S12R-G1MPTK2-2	MD	GB1(China1)	103
1342	1799	1800	S12R-G1MPTK2-1	LD	GB1(China1)	102
1690	2265	1650	S16R-G1MPTK2-2	MD	GB1(China1)	105
1695	2272	1450	S16R2-G1MPTK-2	MD	GB1(China1)	107
1695	2272	1450	S16R2-G2MPTK-2	MD	GB2(China2)	110
1875	2513	1800	S16R-G1MPTK2-1	LD	GB1(China1)	104
1885	2527	1500	S16R2-G1MPTK-1	LD	GB1(China1)	106
1885	2527	1500	S16R2-G2MPTK-1	LD	GB2(China2)	109

Usage : Auxiliary/DEP

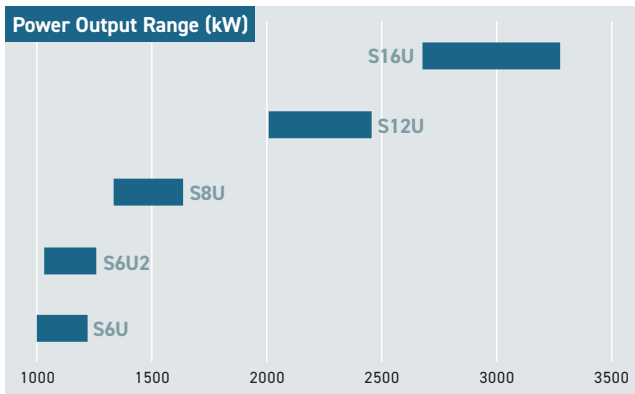
kW	BHP	RPM	Engine Model	Hz	Emission	Page
640	858	1500	S6R2-G1MPTK-5	50 Hz	GB1(China1)	99
640	858	1500	S6R2-G2MPTK-5	50 Hz	GB2(China2)	101
1825	2446	1500	S16R2-G2MPTK-5	50 Hz	GB2(China2)	111
1960	2627	1500	S16R2-G1MPTK-5	50 Hz	GB1(China1)	108



Medium Speed Engine/Propulsion

Usage : Propulsion

kW	BHP	RPM	Engine Model	Rating	Emission	Page
1007	1350	1060	S6U-MPTK	HD	IMO2	113
1040	1394	930	S6U2-MPTK	HD	IMO2	114
1119	1500	1100	S6U-MPTK	MD	IMO2	113
1156	1550	960	S6U2-MPTK	MD	IMO2	114
1231	1650	1200	S6U-MPTK	LD	IMO2	113
1268	1700	1000	S6U2-MPTK	LD	IMO2	114
1343	1800	1060	S8U-MPTK	HD	IMO2	115
1492	2000	1100	S8U-MPTK	MD	IMO2	115
1641	2200	1200	S8U-MPTK	LD	IMO2	115
2014	2700	1060	S12U-MPTK	HD	IMO2	116
2238	3000	1100	S12U-MPTK	MD	IMO2	116
2462	3300	1200	S12U-MPTK	LD	IMO2	116
2686	3601	1060	S16U-MPTK	HD	IMO2	117
2984	4000	1100	S16U-MPTK	MD	IMO2	117
3282	4399	1200	S16U-MPTK	LD	IMO2	117



Medium Speed Engine/Tug (Propulsion)

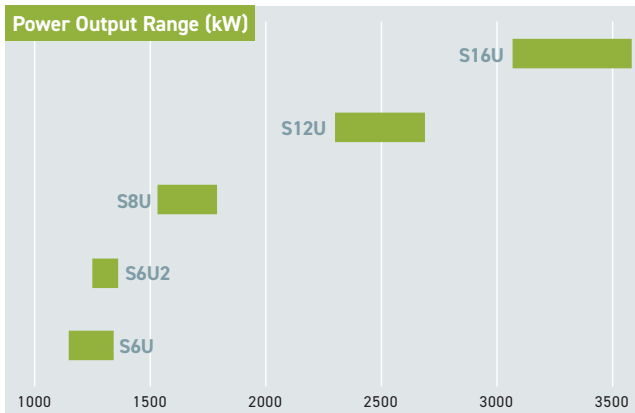
Usage : Tug (Propulsion)

kW	BHP	RPM	Engine Model	Emission	Page
1103	1479	1150	S6U-MPTK	IMO2	118
1470	1971	1150	S8U-MPTK	IMO2	119
2205	2956	1150	S12U-MPTK	IMO2	120
2940	3941	1150	S16U-MPTK	IMO2	121

Medium Speed Engine/Auxiliary

Usage : Auxiliary

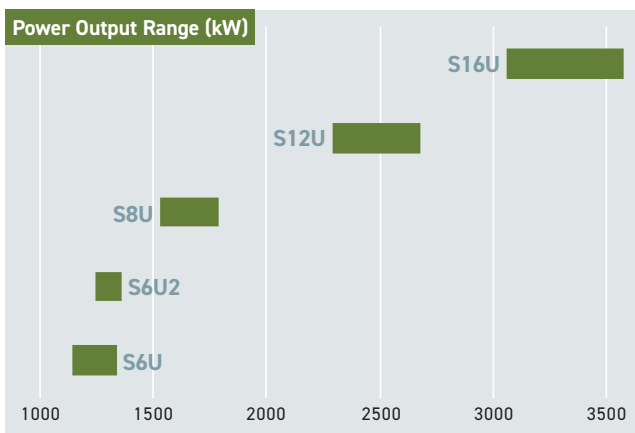
kW	BHP	RPM	Engine Model	Hz	Emission	Page
1150	1542	900	S6U-MPTK	60 Hz	IMO2	122
1250	1676	900	S6U2-MPTK	60 Hz	IMO2	123
1270	1702	1000	S6U-MPTK	50 Hz	IMO2	122
1343	1800	1200	S6U-MPTK	60 Hz	IMO2	122
1363	1827	1000	S6U2-MPTK	50 Hz	IMO2	123
1533	2055	900	S8U-MPTK	60 Hz	IMO2	124
1693	2269	1000	S8U-MPTK	50 Hz	IMO2	124
1790	2399	1200	S8U-MPTK	60Hz	IMO2	124
2299	3082	900	S12U-MPTK	60 Hz	IMO2	125
2541	3406	1000	S12U-MPTK	50 Hz	IMO2	125
2685	3599	1200	S12U-MPTK	60 Hz	IMO2	125
3065	4109	900	S16U-MPTK	60 Hz	IMO2	126
3388	4542	1000	S16U-MPTK	50 Hz	IMO2	126
3580	4799	1200	S16U-MPTK	60 Hz	IMO2	126



Medium Speed Engine/DEP

Usage : DEP

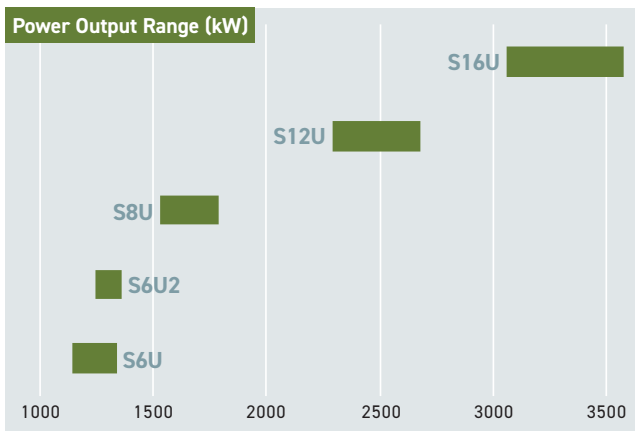
kW	BHP	RPM	Engine Model	Rating	Emission	Page
1045	1401	900	S6U-MPTK	Continuous	IMO2	127
1142	1531	1000	S6U-MPTK	Continuous	IMO2	127
1161	1556	900	S6U2-MPTK	Continuous	IMO2	128
1205	1615	1200	S6U-MPTK	Continuous	IMO2	127
1234	1654	1000	S6U2-MPTK	Continuous	IMO2	128
1394	1869	900	S8U-MPTK	Continuous	IMO2	129
1522	2040	1000	S8U-MPTK	Continuous	IMO2	129
1608	2155	1200	S8U-MPTK	Continuous	IMO2	129
2090	2802	900	S12U-MPTK	Continuous	IMO2	130
2283	3060	1000	S12U-MPTK	Continuous	IMO2	130
2412	3233	1200	S12U-MPTK	Continuous	IMO2	130
2787	3736	900	S16U-MPTK	Continuous	IMO2	131
3045	4082	1000	S16U-MPTK	Continuous	IMO2	131
3215	4310	1200	S16U-MPTK	Continuous	IMO2	131



Medium Speed Engine/DEP

Usage : DEP

kW	BHP	RPM	Engine Model	Rating	Emission	Page
1150	1542	900	S6U-MPTK	Intermittent	IMO2	127
1250	1676	900	S6U2-MPTK	Intermittent	IMO2	128
1270	1702	1000	S6U-MPTK	Intermittent	IMO2	127
1343	1800	1200	S6U-MPTK	Intermittent	IMO2	127
1363	1827	1000	S6U2-MPTK	Intermittent	IMO2	128
1533	2055	900	S8U-MPTK	Intermittent	IMO2	129
1693	2269	1000	S8U-MPTK	Intermittent	IMO2	129
1790	2399	1200	S8U-MPTK	Intermittent	IMO2	129
2299	3082	900	S12U-MPTK	Intermittent	IMO2	130
2541	3406	1000	S12U-MPTK	Intermittent	IMO2	130
2685	3599	1200	S12U-MPTK	Intermittent	IMO2	130
3065	4109	900	S16U-MPTK	Intermittent	IMO2	131
3388	4542	1000	S16U-MPTK	Intermittent	IMO2	131
3580	4799	1200	S16U-MPTK	Intermittent	IMO2	131



Emergency (IMO1)

IMO2

EPA

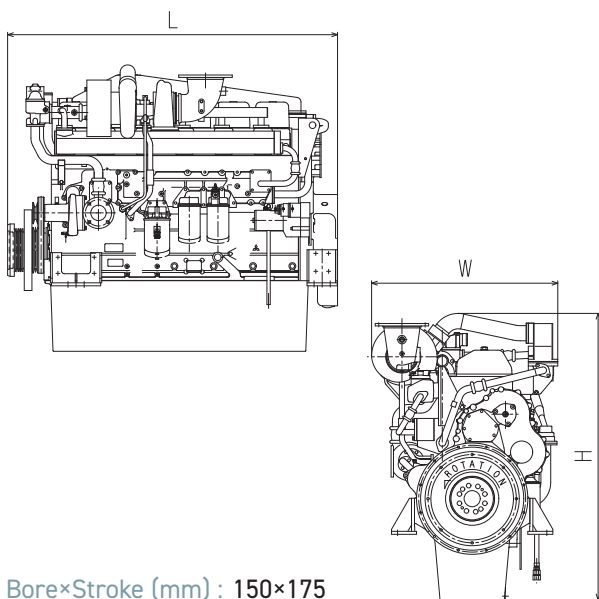
GB

High Speed Engine Specifications



S6A3-MPTA

Emission : IMO1



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
400	536	1500	Auxiliary	50	50 Hz
460	617	1800	Auxiliary	59	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1636

W (mm) : 924

H (mm) : 1421

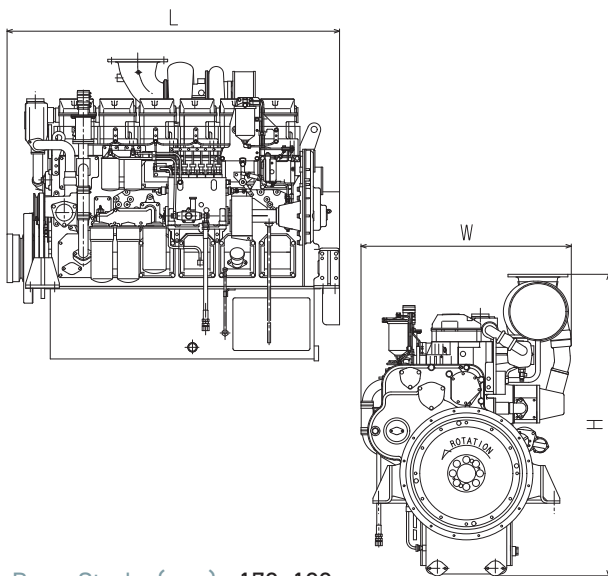
Dry Weight (kg) : 1850

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-MPTA

Emission : IMO1

Emergency (IMO1)



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
515	690	1500	Auxiliary	60	50 Hz
595	798	1800	Auxiliary	73	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1125

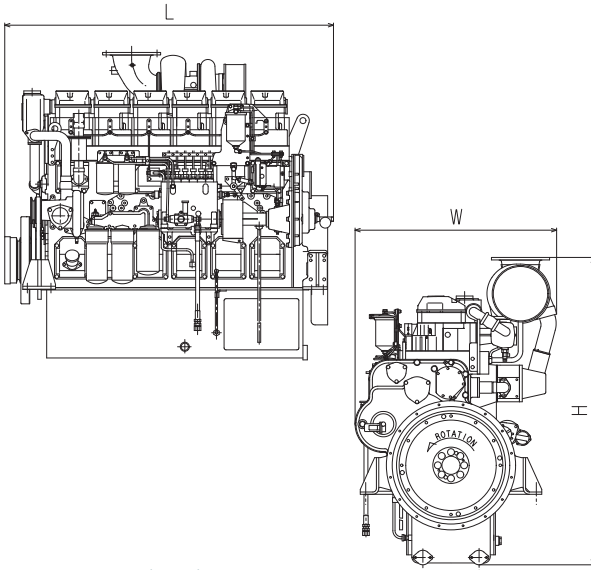
H (mm) : 1614

Dry Weight (kg) : 2780

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-MPTA

Emission : IM01



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
485	650	1200	Auxiliary	58	60 Hz
595	798	1500	Auxiliary	75	50 Hz

Product Dimensions & Dry Weight

L (mm) : 1811

W (mm) : 1108

H (mm) : 1694

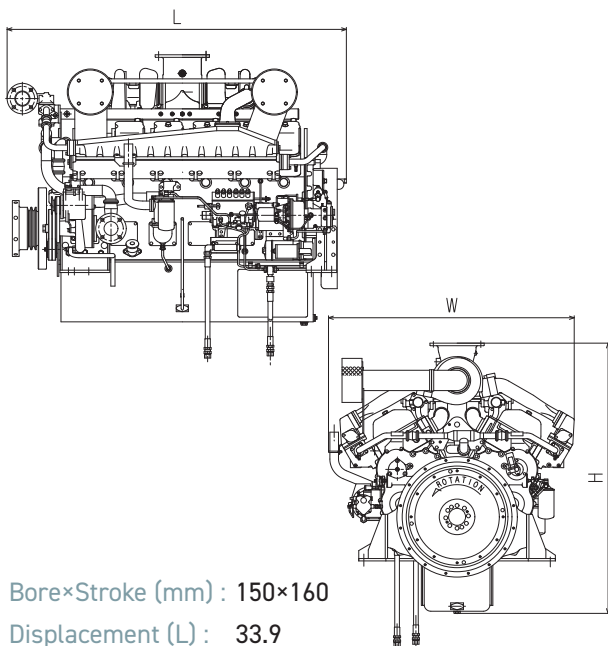
Dry Weight (kg) : 2910

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-MPTA

Emission : IMO1

Emergency (IMO1)



Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
679	910	1500	Auxiliary	81	50 Hz
761	1020	1800	Auxiliary	94	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2002

W (mm) : 1442

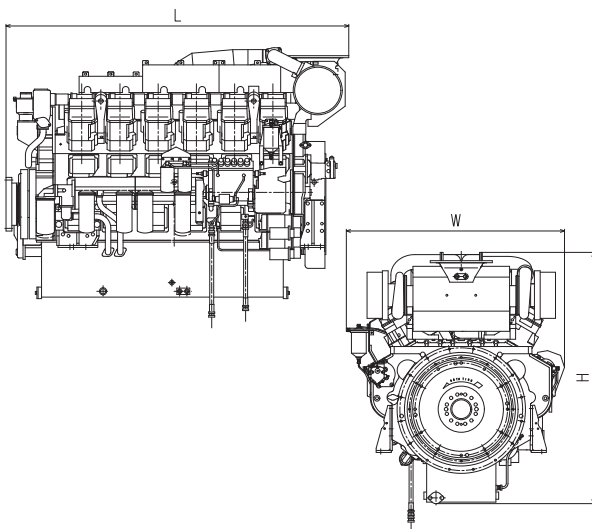
H (mm) : 1596

Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-MPTA

Emission : IM01



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1110	1488	1500	Auxiliary	136	50 Hz
1190	1595	1800	Auxiliary	155	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

H (mm) : 1742

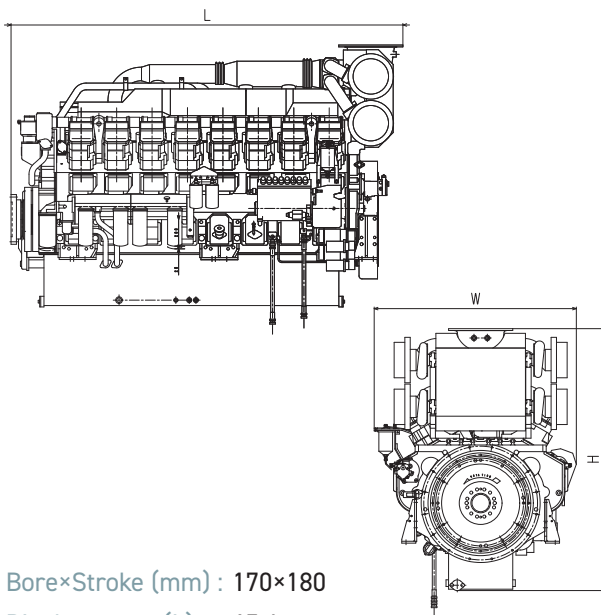
Dry Weight (kg) : 5230

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-MPTA

Emission : IMO1

Emergency (IMO1)



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1480	1984	1500	Auxiliary	179	50 Hz
1590	2131	1800	Auxiliary	201	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2931

W (mm) : 1512

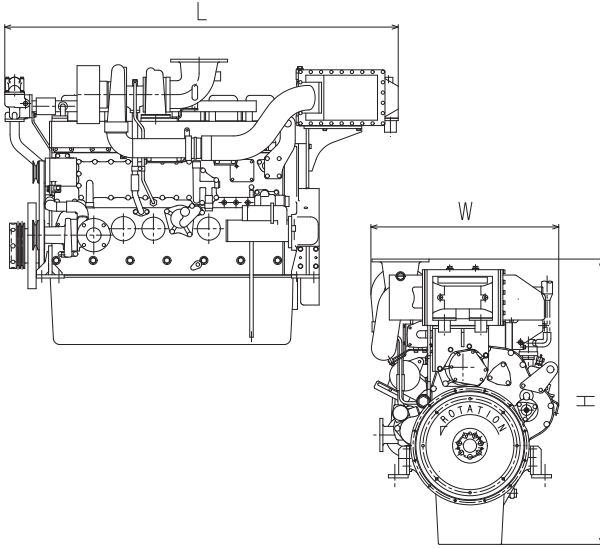
H (mm) : 1960

Dry Weight (kg) : 6660

Dimensions and Weight may vary based on selected engine configuration.

S6B3-T2MPTK

Emission : IM02



Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
265	355	1200	Auxiliary/DEP	33	60 Hz
355	476	1500	Auxiliary/DEP	44	50 Hz
410	550	1800	Auxiliary/DEP	52	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1834

W (mm) : 873

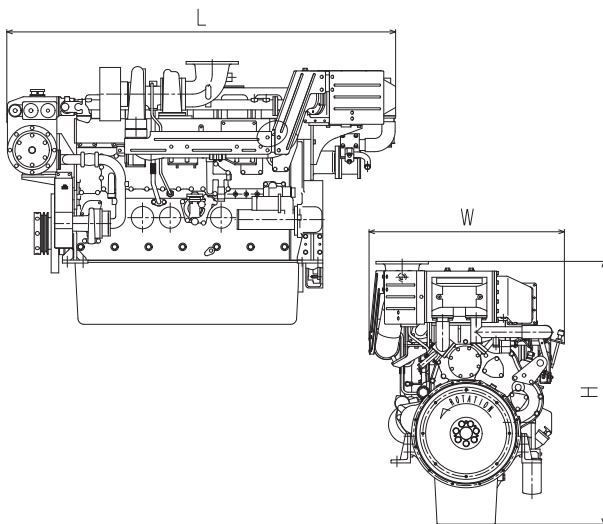
H (mm) : 1331

Dry Weight (kg) : 1550

Dimensions and Weight
may vary based on selected
engine configuration.

S6B3-T2MPTK2Z

Emission : IM02



IM02

Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
378	507	2001	Propulsion	69	MD

Product Dimensions & Dry Weight

L (mm) : 1967

W (mm) : 984

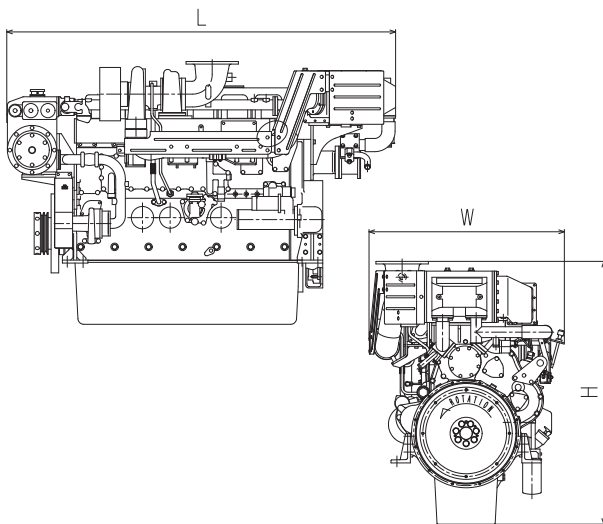
H (mm) : 1330

Dry Weight (kg) : 1665

Dimensions and Weight
may vary based on selected
engine configuration.

S6B3-T2MPTK2L

Emission : IM02



Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
448	601	2001	Propulsion	80	LD

Product Dimensions & Dry Weight

L (mm) : 1967

W (mm) : 984

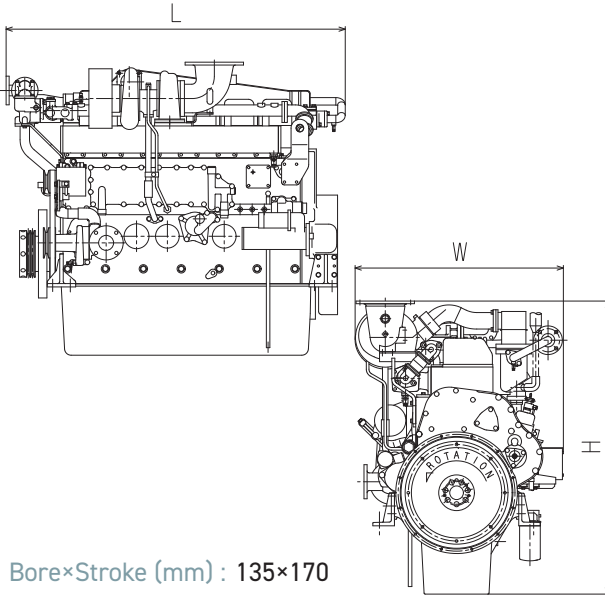
H (mm) : 1330

Dry Weight (kg) : 1665

Dimensions and Weight
may vary based on selected
engine configuration.

S6B3-T2MPTAW

Emission : IM02



IM02

Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
320	429	1940	Propulsion	59	HD
350	469	2000	Propulsion	64	MD
265	355	1200	Auxiliary/DEP	33	60 Hz
335	449	1500	Auxiliary/DEP	43	50 Hz
375	503	1800	Auxiliary/DEP	50	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1539

W (mm) : 943

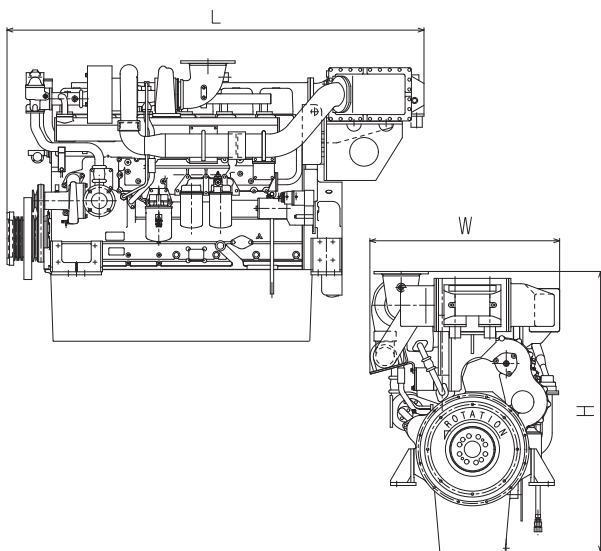
H (mm) : 1331

Dry Weight (kg) : 1310

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-T2MPTK

Emission : IM02



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
405	543	1840	Propulsion	73	HD
445	597	1900	Propulsion	81	MD
450	603	1500	Auxiliary/DEP	57	50 Hz
490	657	1800	Auxiliary/DEP	64	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

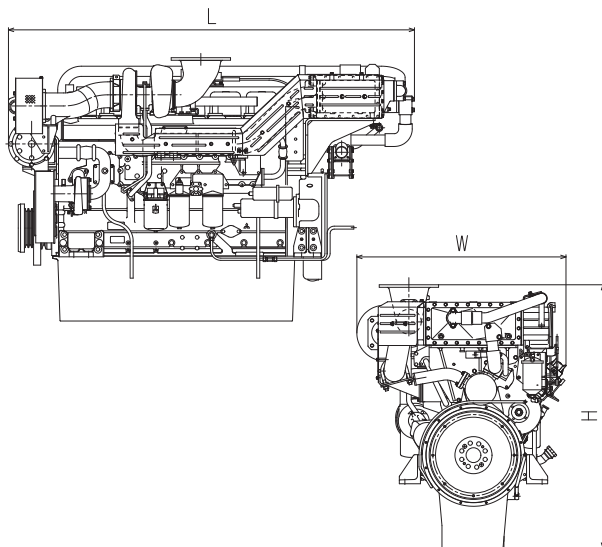
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-T2MPTK3L

Emission : IMO2



IMO2

Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
558	748	1900	Propulsion	99	LD

Product Dimensions & Dry Weight

L (mm) : 2189

W (mm) : 1127

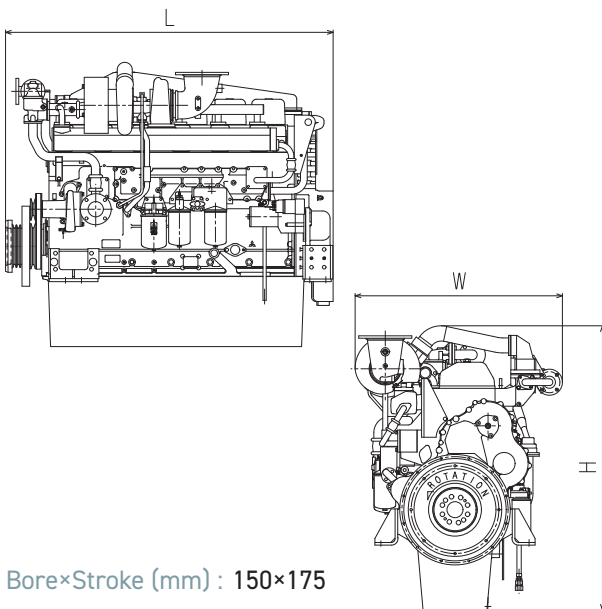
H (mm) : 1421

Dry Weight (kg) : 1980

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-(T2)MPTAW

Emission : IM02



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
360	483	1840	Propulsion	63	HD

Product Dimensions & Dry Weight

L (mm) : 1636

W (mm) : 1036

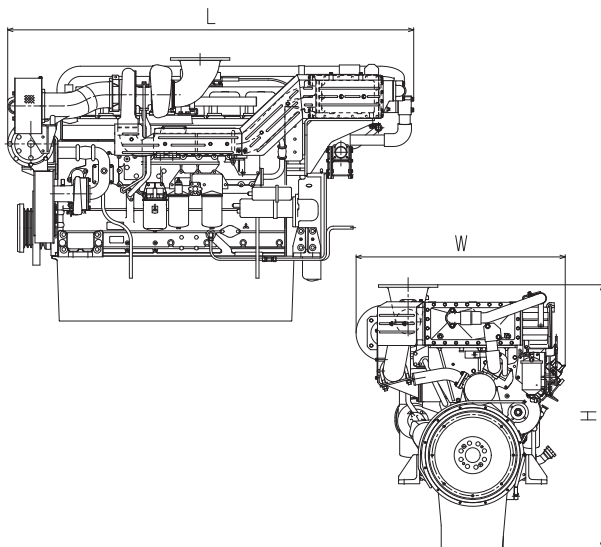
H (mm) : 1421

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-T2MPTK3M

Emission : IMO2



IMO2

Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
502	673	1900	Propulsion	87	MD

Product Dimensions & Dry Weight

L (mm) : 2189

W (mm) : 1127

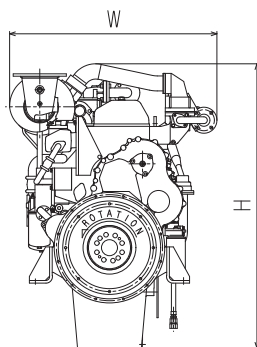
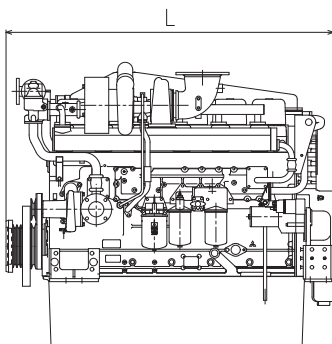
H (mm) : 1421

Dry Weight (kg) : 1980

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-T2MPTAW

Emission : IM02



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
405	543	1840	Propulsion	78	HD
445	597	1900	Propulsion	81	MD
353	473	1200	Auxiliary/DEP	42	60 Hz
450	603	1500	Auxiliary/DEP	56	50 Hz
490	657	1800	Auxiliary/DEP	63	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1636

W (mm) : 1036

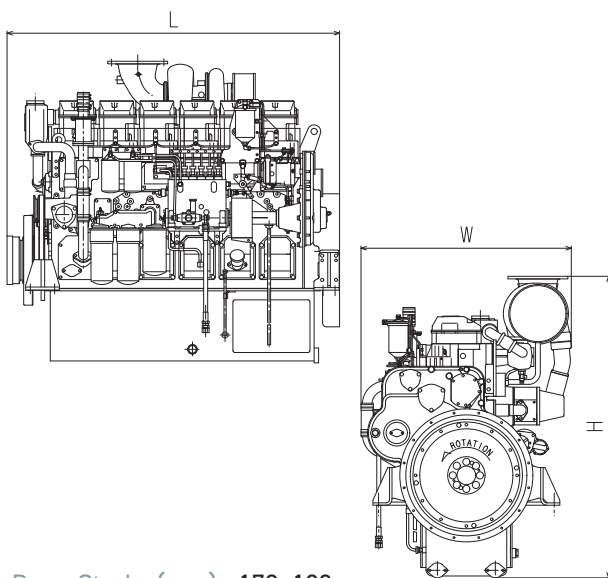
H (mm) : 1421

Dry Weight (kg) : 2030

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-T2MPTK

Emission : IM02



IM02

Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
470	630	1600	Propulsion	83	HD
520	697	1650	Propulsion	92	MD
605	811	1800	Propulsion	108	LD
545	731	1500	Auxiliary/DEP	70	50 Hz
635	851	1800	Auxiliary/DEP	84	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

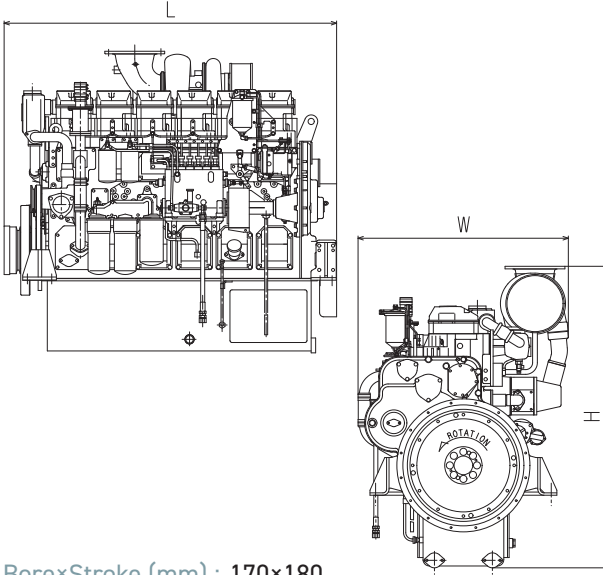
H (mm) : 1615

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-T2MPTK2

Emission : IM02



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
610	818	1637	Propulsion	106	MD
691	926	1696	Propulsion	121	LD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

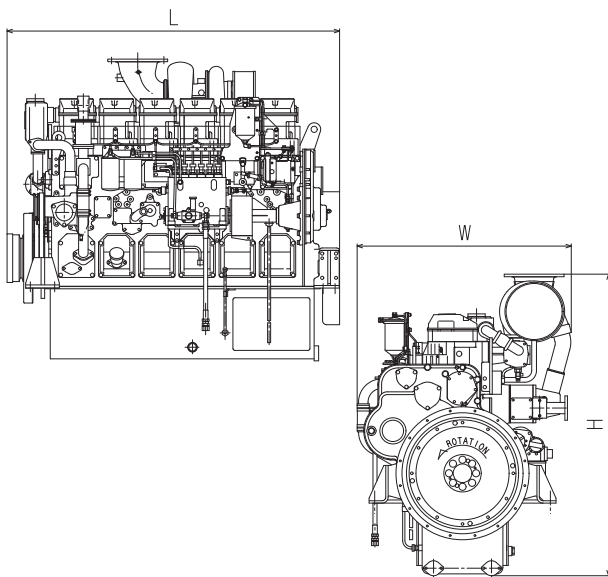
H (mm) : 1615

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-MPTAW

Emission : IM02



IM02

Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
470	630	1600	Propulsion	85	HD
520	697	1650	Propulsion	95	MD
605	811	1800	Propulsion	112	LD
545	731	1500	Auxiliary/DEP	67	50 Hz
635	851	1800	Auxiliary/DEP	86	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1146

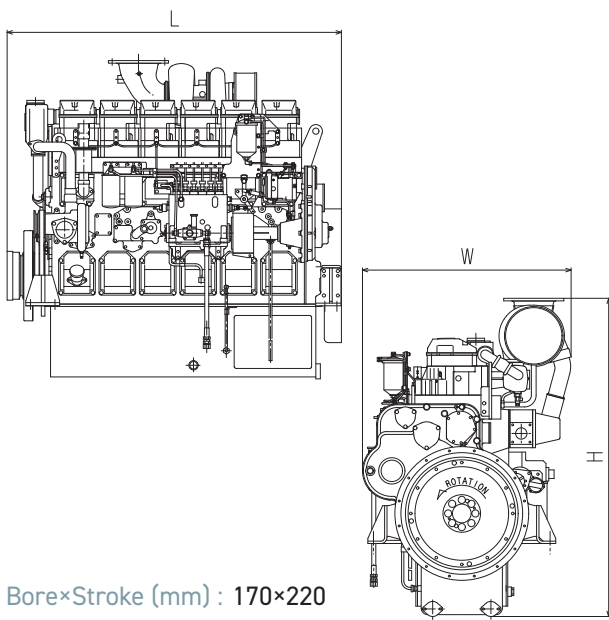
H (mm) : 1614

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTK

Emission : IM02



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater or intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
480	643	1350	Propulsion	83	HD
530	710	1400	Propulsion	92	MD
610	818	1500	Propulsion	106	LD
500	670	1200	Auxiliary/DEP	61	60 Hz
640	858	1500	Auxiliary/DEP	81	50 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

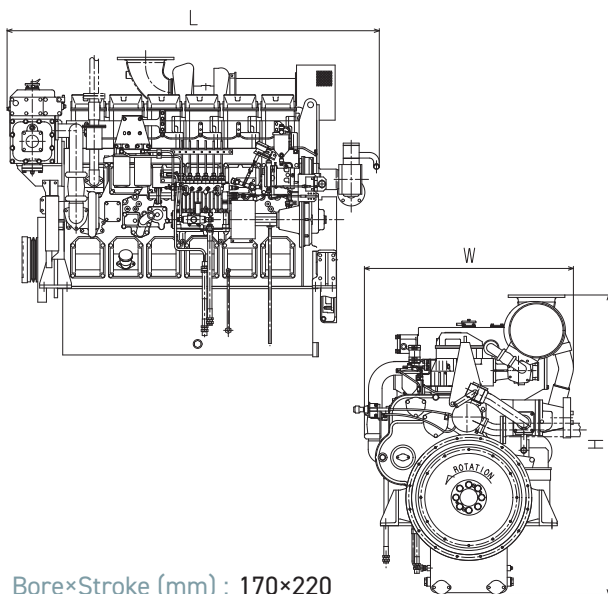
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight may vary based on selected engine configuration.

S6R2-T2MPTK3L

Emission : IM02



IM02

Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
759	1017	1406	Propulsion	125	LD

Product Dimensions & Dry Weight

L (mm) : 2105

W (mm) : 1183

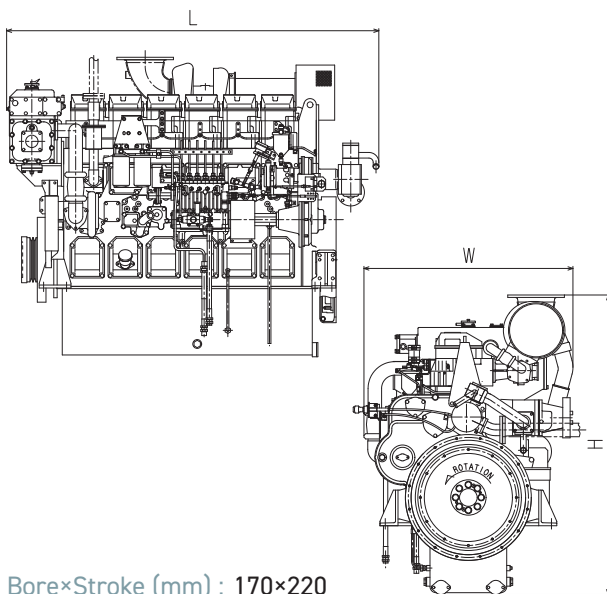
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight may vary based on selected engine configuration.

S6R2-T2MPTK3M

Emission : IMO2



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
691	926	1406	Propulsion	117	MD

Product Dimensions & Dry Weight

L (mm) : 2105

W (mm) : 1183

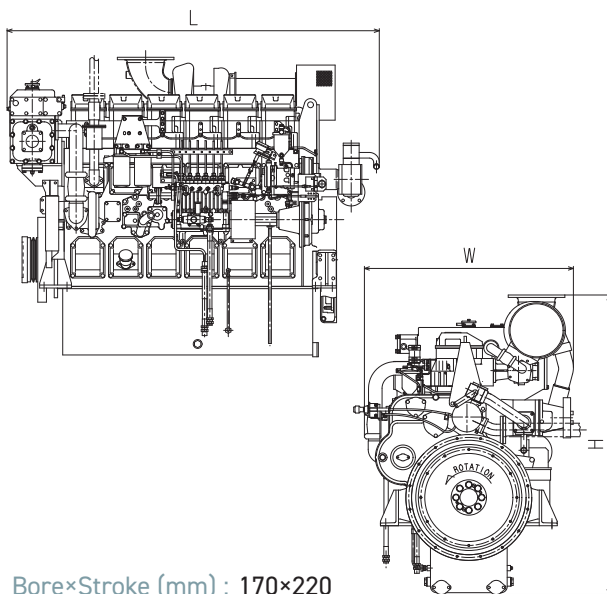
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTK3H

Emission : IM02



IM02

Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
600	804	1350	Propulsion	101	HD

Product Dimensions & Dry Weight

L (mm) : 2105

W (mm) : 1183

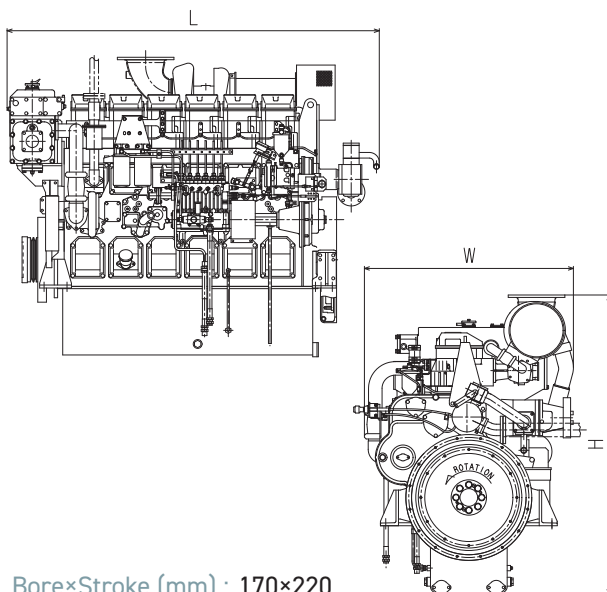
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight may vary based on selected engine configuration.

S6R2-T2MPTK5L

Emission : IM02



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
841	1127	1450	Propulsion	132	LD

Product Dimensions & Dry Weight

L (mm) : 2215

W (mm) : 1186

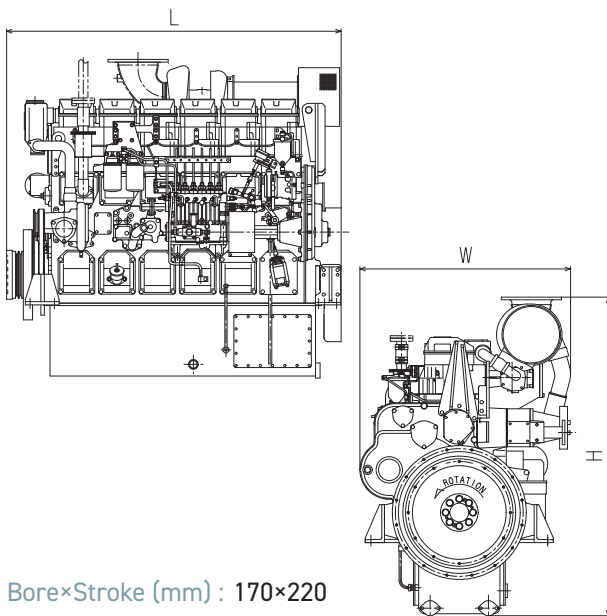
H (mm) : 1745

Dry Weight (kg) : 3205

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTAW3

Emission : IM02



IM02

Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
610	818	1200	Auxiliary/DEP	71	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1092

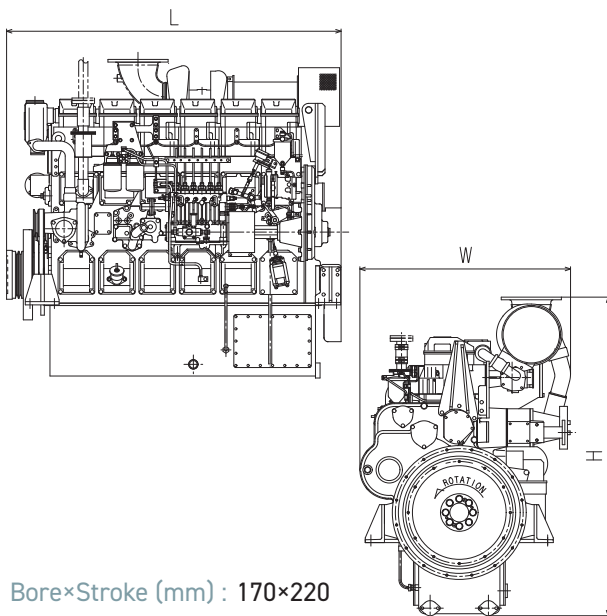
H (mm) : 1687

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTAW3L

Emission : IM02



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
759	1017	1406	Propulsion	102	LD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1121

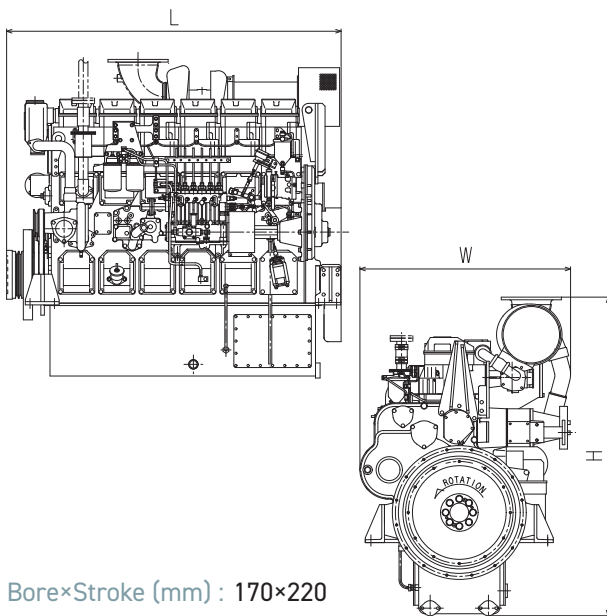
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTAW3M

Emission : IM02



IM02

Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
691	926	1406	Propulsion	114	MD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1121

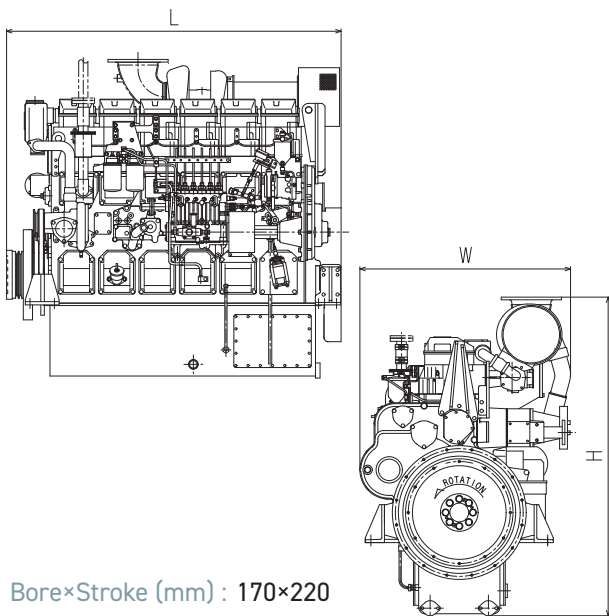
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-T2MPTAW3H

Emission : IMO2



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
600	804	1350	Propulsion	102	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1121

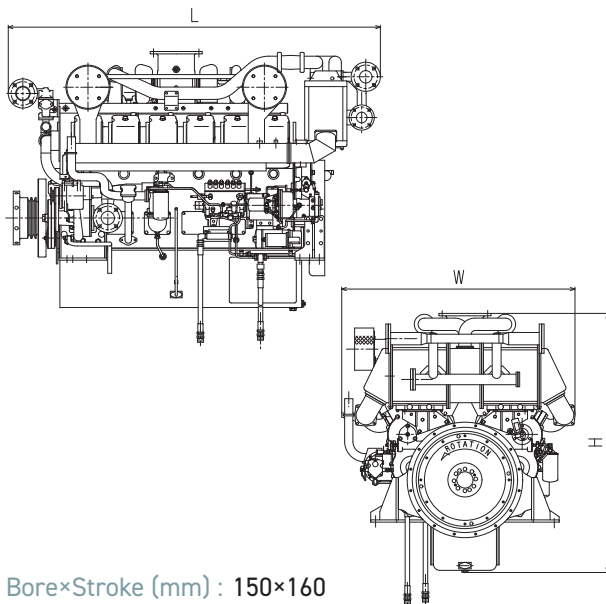
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-T2MPTK

Emission : IM02



IM02

Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
701	940	1800	Propulsion	127	HD
776	1040	1860	Propulsion	140	MD
858	1150	1920	Propulsion	156	LD
709	950	1500	Auxiliary/DEP	88	50 Hz
828	1110	1800	Auxiliary/DEP	106	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2291

W (mm) : 1418

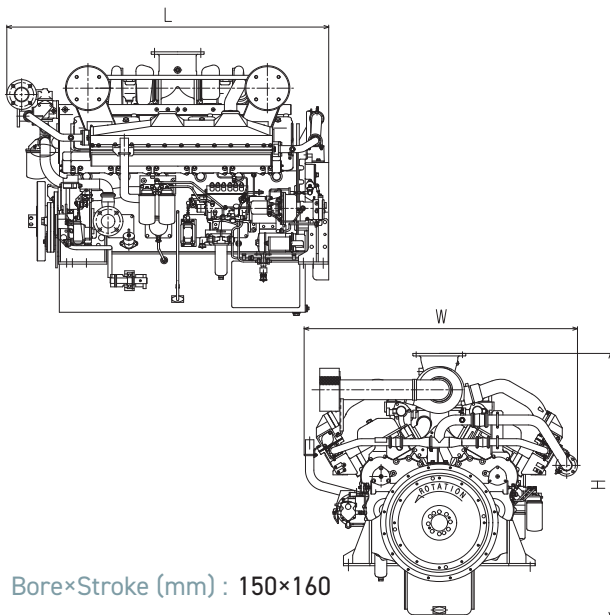
H (mm) : 1596

Dry Weight (kg) : 3720

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-(T2)MPTAW

Emission : IMO2



Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
709	950	1500	Auxiliary/DEP	87	50 Hz
828	1110	1800	Auxiliary/DEP	106	60 Hz

Product Dimensions & Dry Weight

L (mm) : 1948

W (mm) : 1654

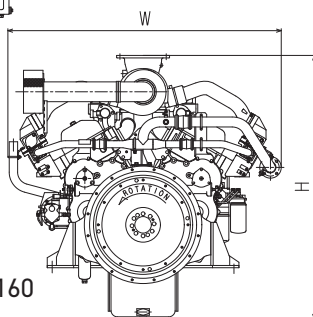
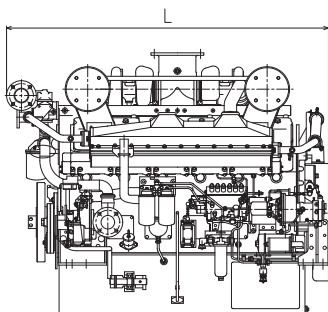
H (mm) : 1596

Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-T2MPTAW

Emission : IM02



Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
701	940	1940	Propulsion	123	HD
776	1040	2000	Propulsion	142	MD

Product Dimensions & Dry Weight

L (mm) : 1948

W (mm) : 1654

H (mm) : 1596

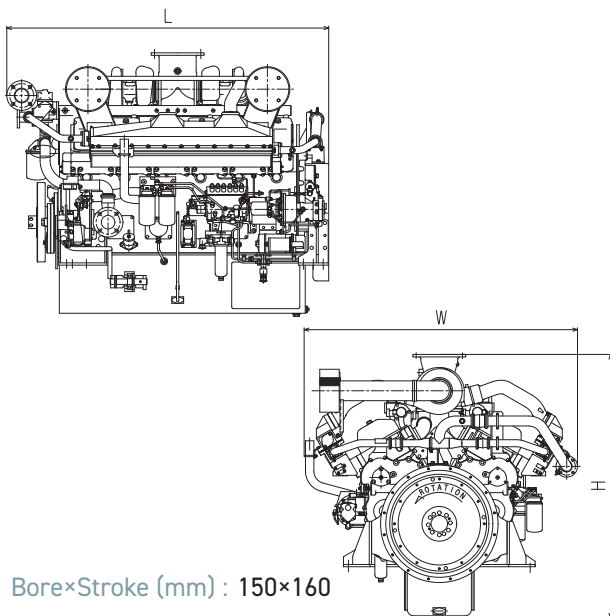
Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

IM02

S12A2-T2MPTAW2

Emission : IMO2



Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
727	975	1800	Propulsion	124	HD
818	1097	1800	Propulsion	139	MD

Product Dimensions & Dry Weight

L (mm) : 1948

W (mm) : 1654

H (mm) : 1596

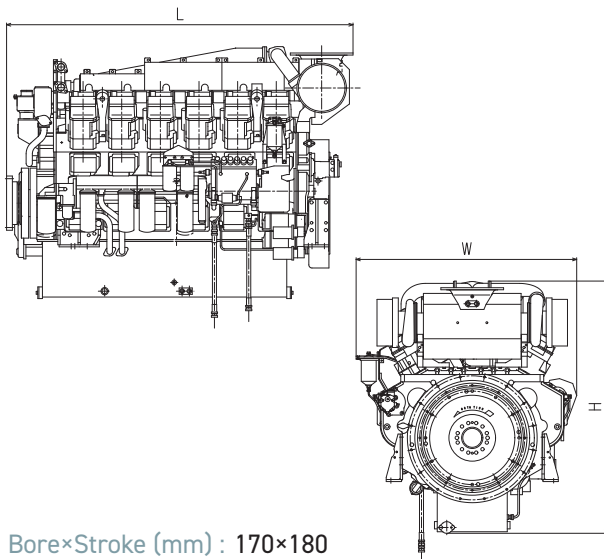
Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-T2MPTK

Emission : IM02

IM02



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	162	HD
1040	1394	1650	Propulsion	182	MD
1210	1622	1800	Propulsion	212	LD
840	1126	1200	Auxiliary/DEP	101	60 Hz
1120	1501	1500	Auxiliary/DEP	141	50 Hz
1270	1702	1800	Auxiliary/DEP	167	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

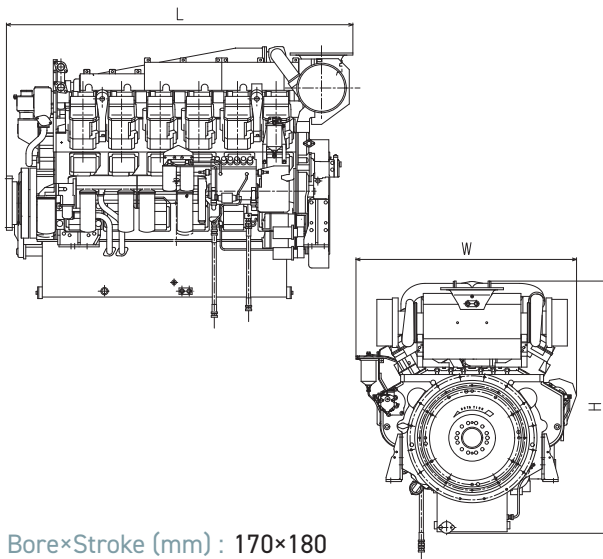
H (mm) : 1731

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-T2MPTK2

Emission : IM02



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1202	1611	1650	Propulsion	207	MD
1342	1799	1800	Propulsion	231	LD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

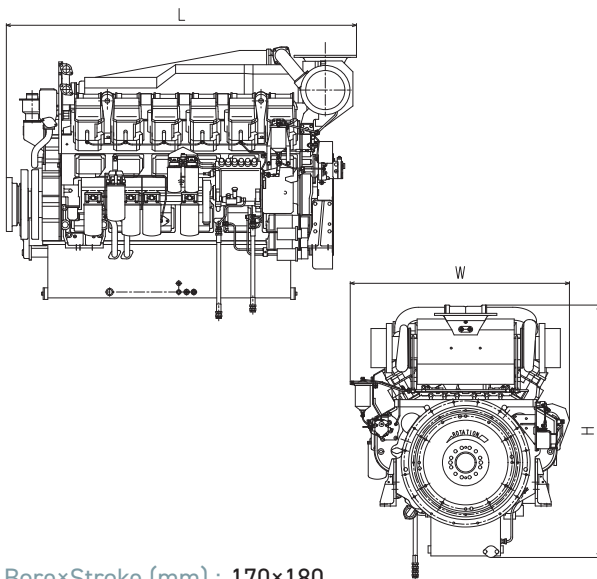
H (mm) : 1731

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-(T2)MPTAW

Emission : IM02



IM02

Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	171	HD
1040	1394	1650	Propulsion	189	MD
840	1126	1200	Auxiliary/DEP	100	60 Hz
1120	1501	1500	Auxiliary/DEP	140	50 Hz
1270	1702	1800	Auxiliary/DEP	173	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2416

W (mm) : 1512

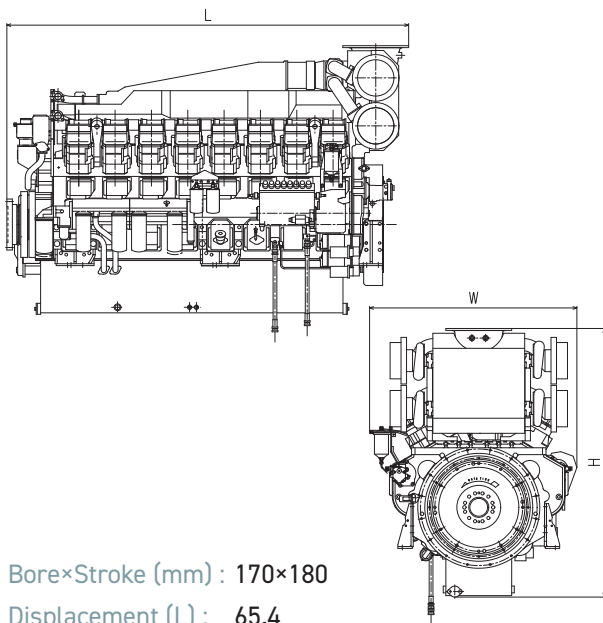
H (mm) : 1742

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-T2MPTK

Emission : IM02



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1250	1676	1600	Propulsion	217	HD
1380	1850	1650	Propulsion	239	MD
1610	2158	1800	Propulsion	287	LD
1500	2011	1500	Auxiliary/DEP	186	50 Hz
1690	2265	1800	Auxiliary/DEP	217	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2931

W (mm) : 1512

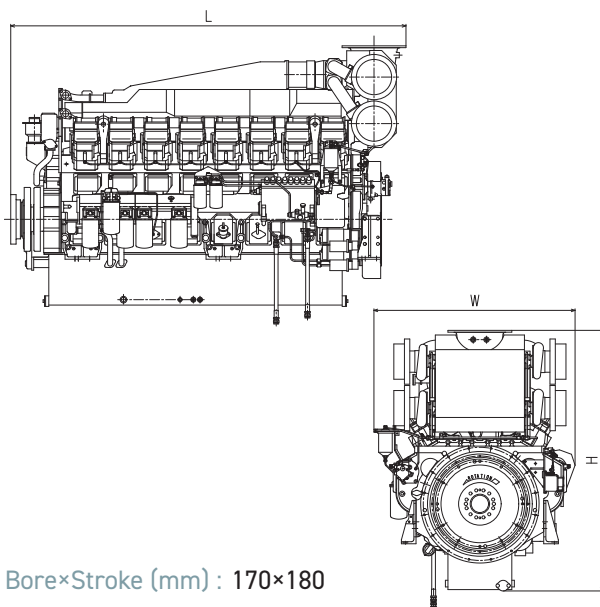
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-(T2)MPTAW

Emission : IMO2



IMO2

Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1250	1676	1600	Propulsion	215	HD
1380	1850	1650	Propulsion	240	MD
1610	2158	1800	Propulsion	280	LD
1120	1501	1200	Auxiliary/DEP	132	60 Hz
1500	2011	1500	Auxiliary/DEP	190	50 Hz
1690	2265	1800	Auxiliary/DEP	221	60 Hz

Product Dimensions & Dry Weight

L (mm) : 2971

W (mm) : 1512

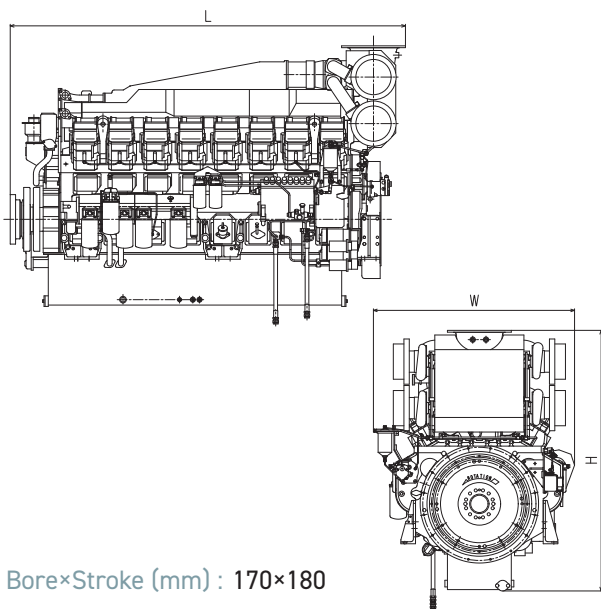
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-T2MPTAW2

Emission : IMO2



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1500	2011	1600	Propulsion	254	HD
1690	2265	1650	Propulsion	283	MD
1875	2513	1800	Propulsion	313	LD

Product Dimensions & Dry Weight

L (mm) : 2971

W (mm) : 1512

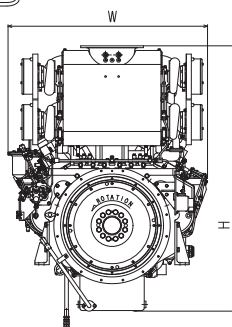
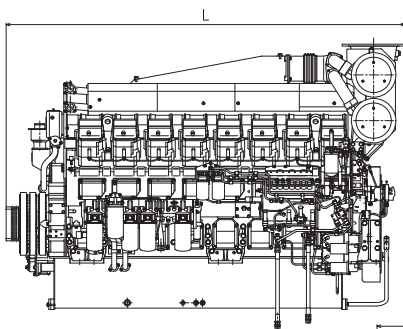
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-T2MPTK

Emission : IMO2



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1450	1944	1350	Propulsion	246	HD
1600	2145	1400	Propulsion	274	MD
1885	2527	1500	Propulsion	321	LD
1590	2131	1200	Auxiliary/DEP	183	60 Hz
1960	2627	1500	Auxiliary/DEP	239	50 Hz

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

H (mm) : 2030

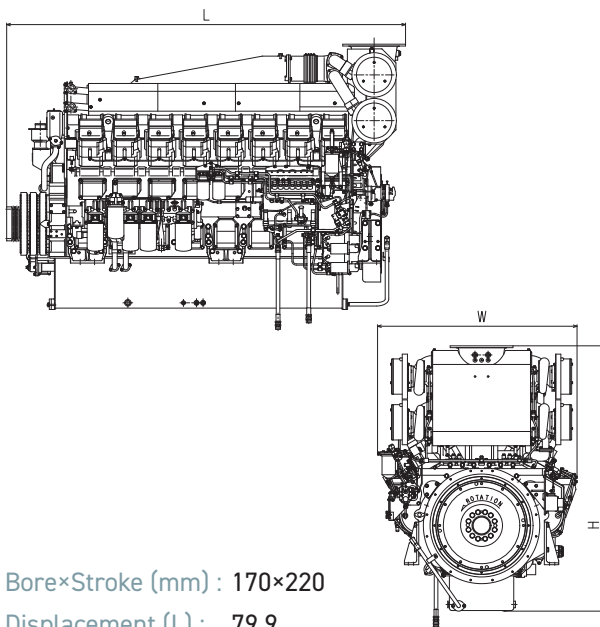
Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

IMO2

S16R2-T2MPTK2

Emission : IMO2



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
2095	2808	1500	Propulsion	373	LD

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

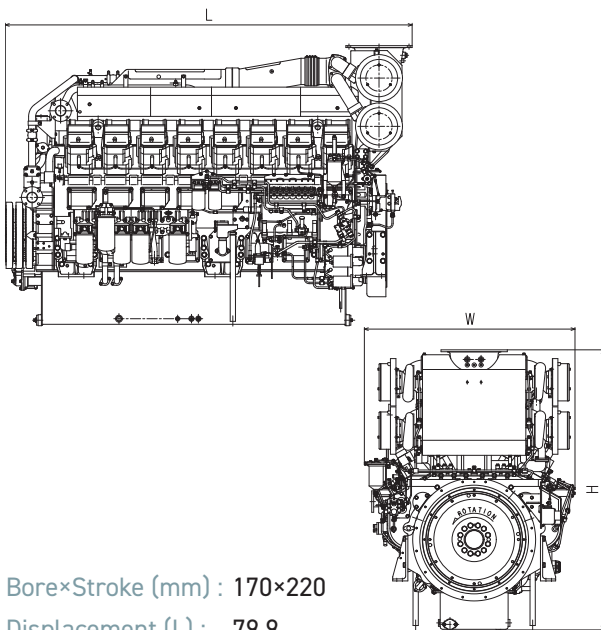
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-T2MPTAW

Emission : IM02



IM02

Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Intermediate freshwater cooling

Commercial Rating

KW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1450	1944	1350	Propulsion	246	HD
1600	2145	1400	Propulsion	271	MD
1885	2527	1500	Propulsion	322	LD
1568	2102	1200	Auxiliary/DEP	184	60 Hz
1960	2627	1500	Auxiliary/DEP	239	50 Hz

Product Dimensions & Dry Weight

L (mm) : 2946

W (mm) : 1525

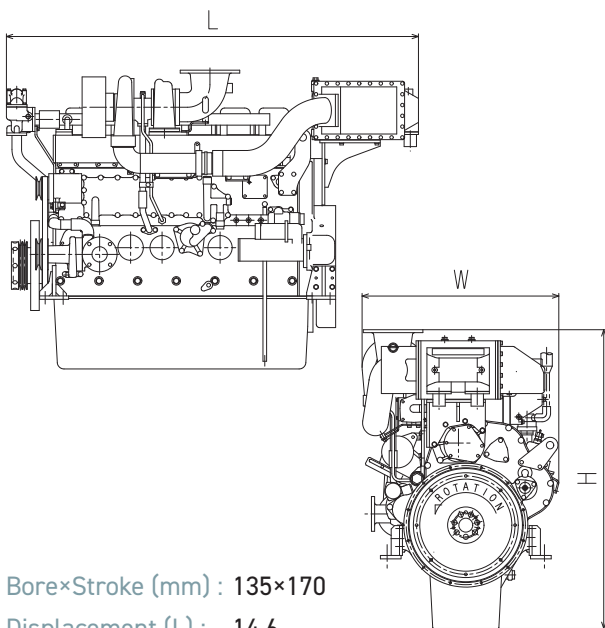
H (mm) : 2030

Dry Weight (kg) : 7750

Dimensions and Weight
may vary based on selected
engine configuration.

S6B3-Y2MPTK-4

Emission : EPA Tier2



Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
320	429	2000	Propulsion	60	HD

Product Dimensions & Dry Weight

L (mm) : 1834

W (mm) : 873

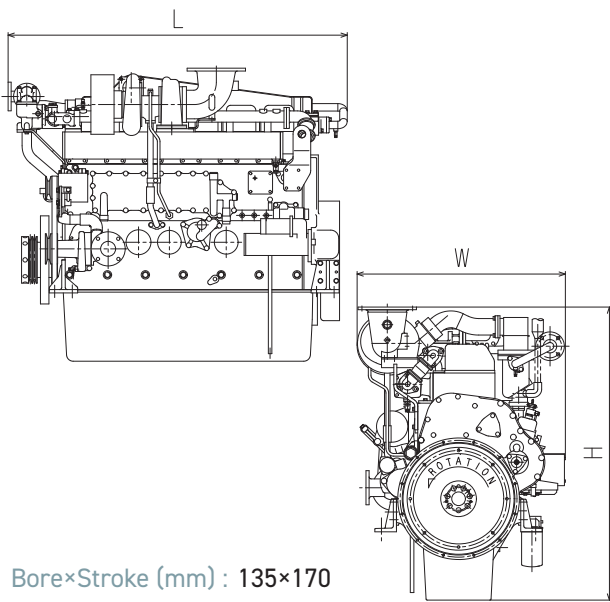
H (mm) : 1331

Dry Weight (kg) : 1310

Dimensions and Weight
may vary based on selected
engine configuration.

S6B3-Y3MPTAW-2

Emission : EPA Tier3



EPA

Bore×Stroke (mm) : 135×170

Displacement (L) : 14.6

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
320	429	1940	Propulsion	62	MD

Product Dimensions & Dry Weight

L (mm) : 1539

W (mm) : 943

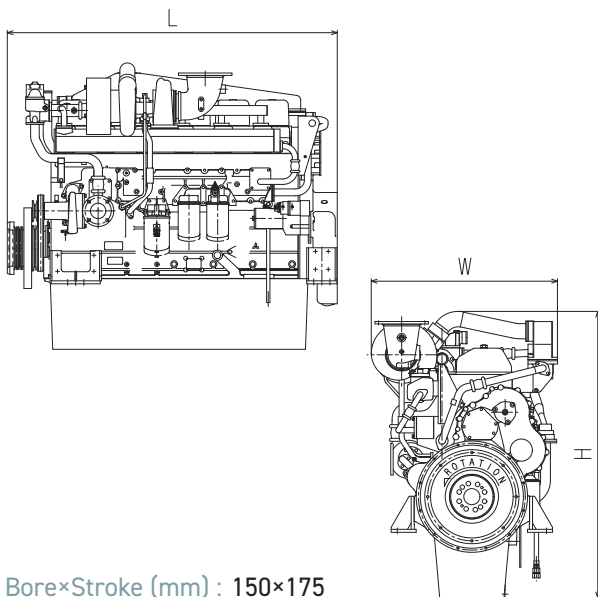
H (mm) : 1331

Dry Weight (kg) : 1310

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y1MPTA-3

Emission : EPA Tier1



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
360	483	1840	Propulsion	66	HD

Product Dimensions & Dry Weight

L (mm) : 1636

W (mm) : 924

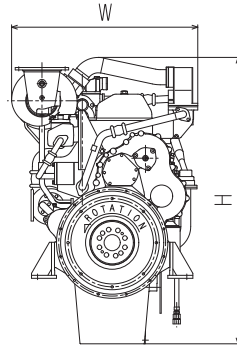
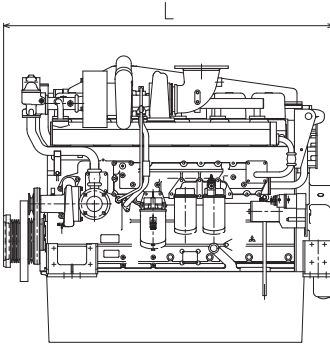
H (mm) : 1421

Dry Weight (kg) : 1850

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y1MPTA-2

Emission : EPA Tier1



EPA

Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
395	529	1900	Propulsion	72	MD

Product Dimensions & Dry Weight

L (mm) : 1636

W (mm) : 924

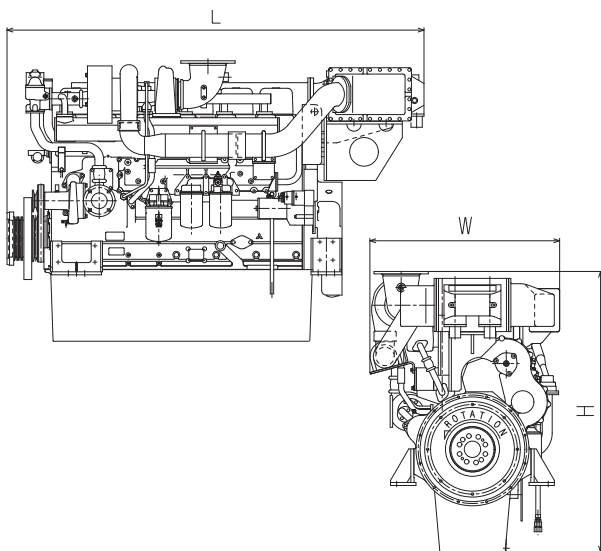
H (mm) : 1421

Dry Weight (kg) : 1850

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y1MPTK-1

Emission : EPA Tier 1



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
490	657	1960	Propulsion	88	LD

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

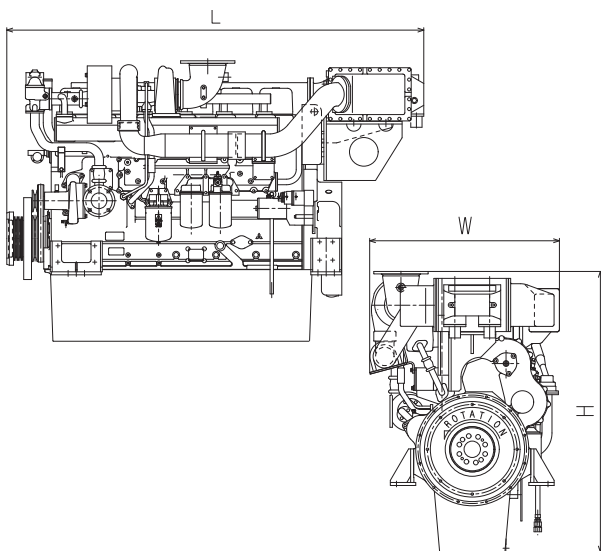
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y1MPTK-2

Emission : EPA Tier 1



EPA

Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
445	597	1900	Propulsion	79	MD

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

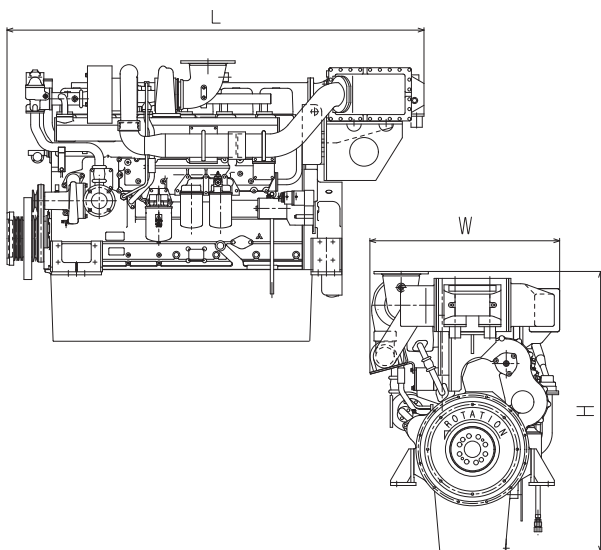
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y1MPTK-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
405	543	1840	Propulsion	72	HD

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

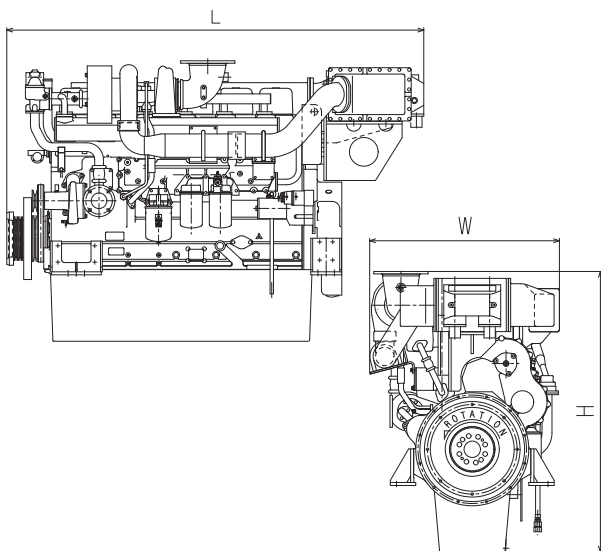
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y2MPTK-3

Emission : EPA Tier2



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
360	483	1840	Propulsion	66	HD

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

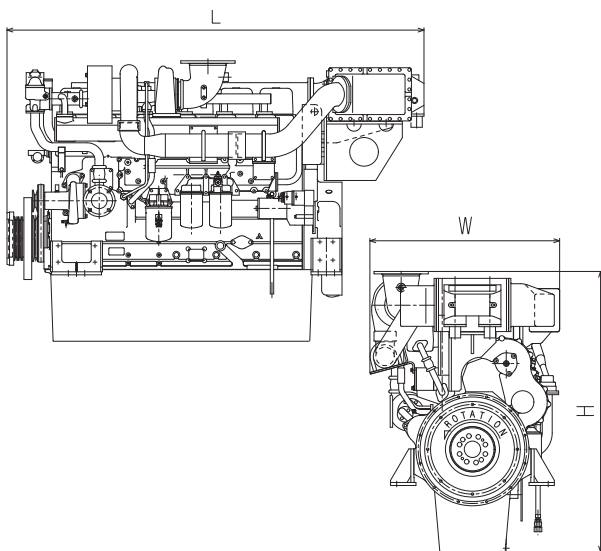
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight
may vary based on selected
engine configuration.

S6A3-Y3MPTK-5

Emission : EPA Tier3



Bore×Stroke (mm) : 150×175

Displacement (L) : 18.6

Cooling system : Direct seawater and engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
405	543	1840	Propulsion	78	HD

Product Dimensions & Dry Weight

L (mm) : 2037

W (mm) : 927

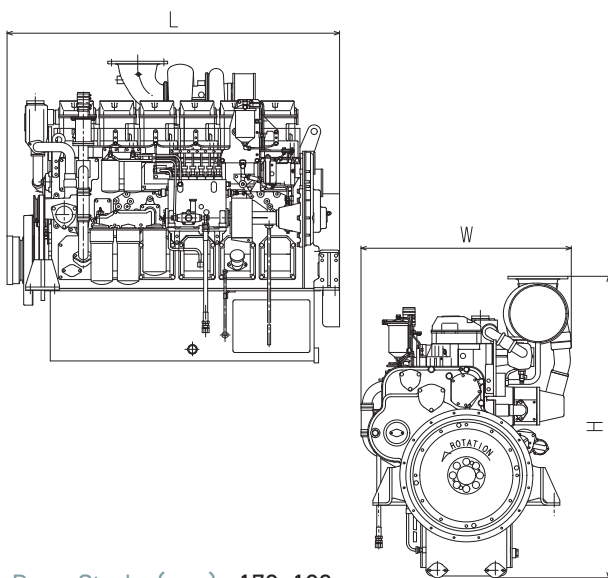
H (mm) : 1371

Dry Weight (kg) : 1900

Dimensions and Weight may vary based on selected engine configuration.

S6R-Y1MPTA-2

Emission : EPA Tier 1



EPA

Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
485	650	1650	Propulsion	87	MD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1118

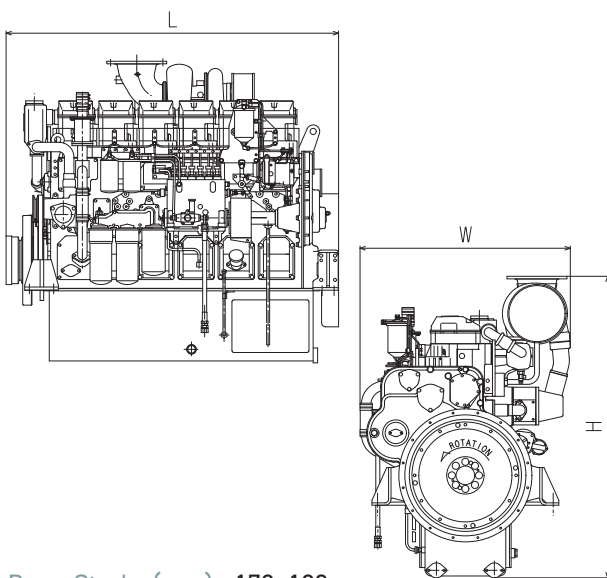
H (mm) : 1607

Dry Weight (kg) : 2780

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y1MPTA-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
440	590	1600	Propulsion	78	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1118

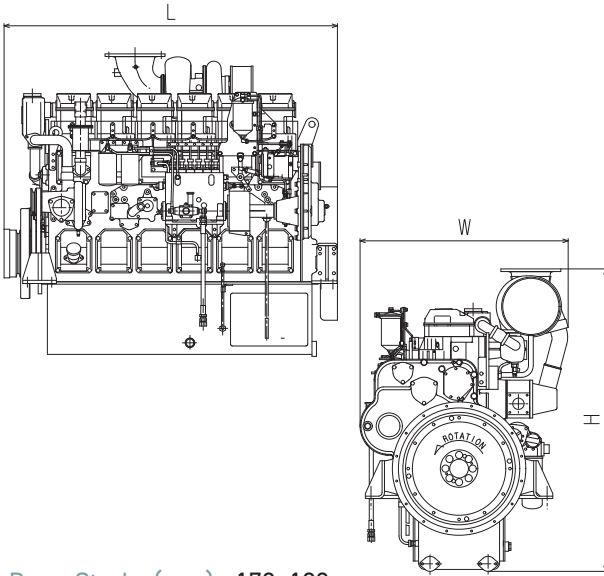
H (mm) : 1607

Dry Weight (kg) : 2780

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y1MPTK-2

Emission : EPA Tier1



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
520	697	1650	Propulsion	89	MD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

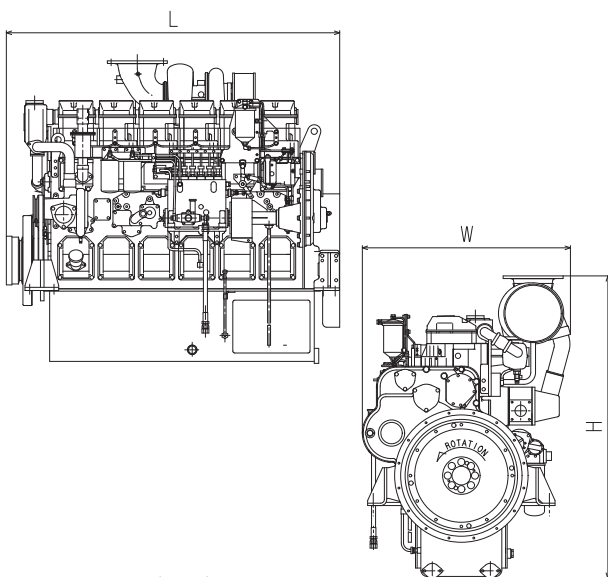
H (mm) : 1614

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y1MPTK-3

Emission : EPA Tier1



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
470	630	1600	Propulsion	82	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

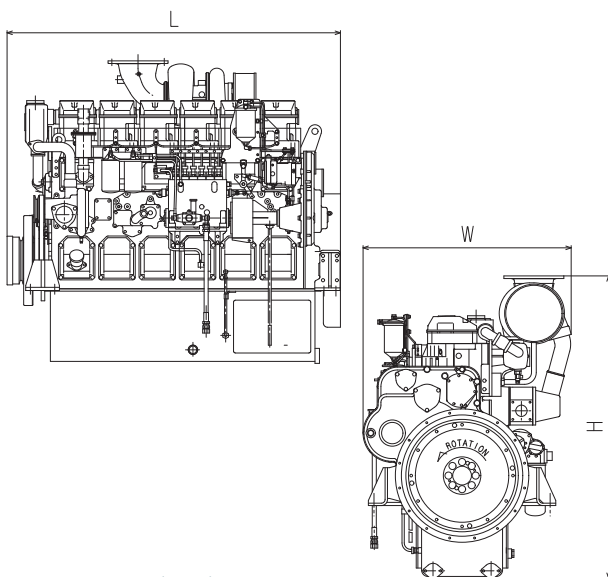
H (mm) : 1607

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y2MPTK-3

Emission : EPA Tier2



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
470	630	1600	Propulsion	83	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

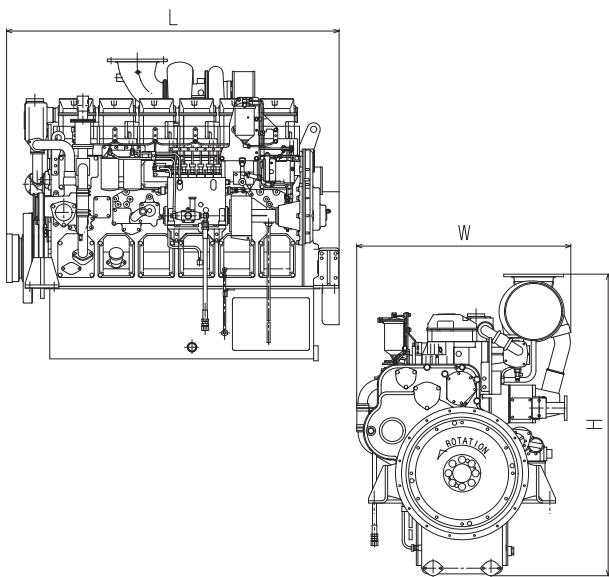
H (mm) : 1607

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y3MPTAW-1

Emission : EPA Tier3



Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
510	684	1800	Propulsion	97	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1128

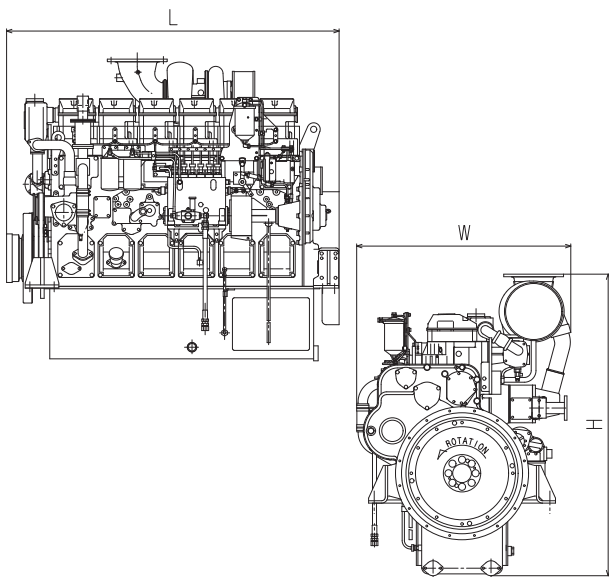
H (mm) : 1614

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R-Y3MPTAW-4

Emission : EPA Tier3



EPA

Bore×Stroke (mm) : 170×180

Displacement (L) : 24.5

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
470	630	1600	Propulsion	88	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1128

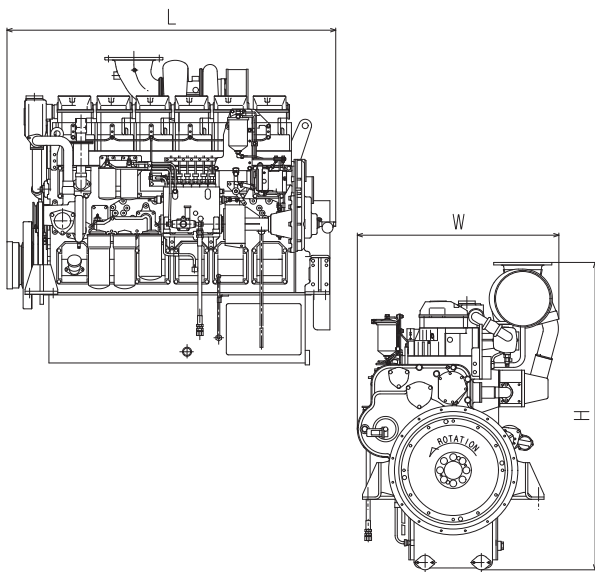
H (mm) : 1614

Dry Weight (kg) : 2830

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-Y1MPTA-2

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
490	657	1400	Propulsion	83	MD

Product Dimensions & Dry Weight

L (mm) : 1811

W (mm) : 1108

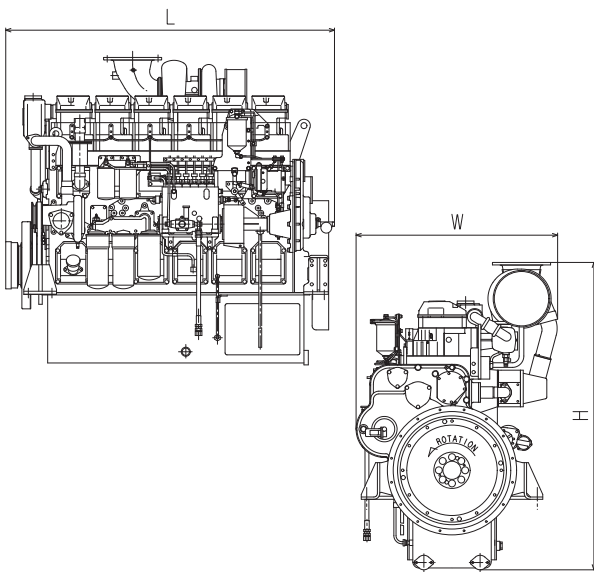
H (mm) : 1694

Dry Weight (kg) : 2910

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-Y1MPTA-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
445	597	1350	Propulsion	77	HD

Product Dimensions & Dry Weight

L (mm) : 1811

W (mm) : 1108

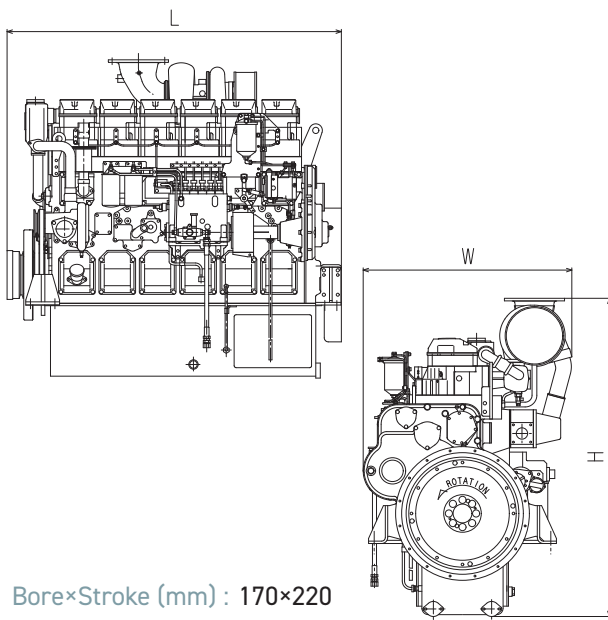
H (mm) : 1687

Dry Weight (kg) : 2910

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-Y1MPTK-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
480	643	1350	Propulsion	81	HD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

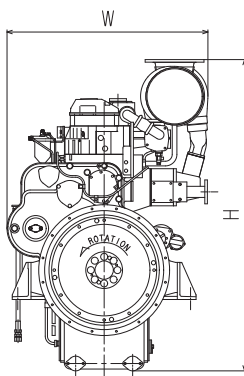
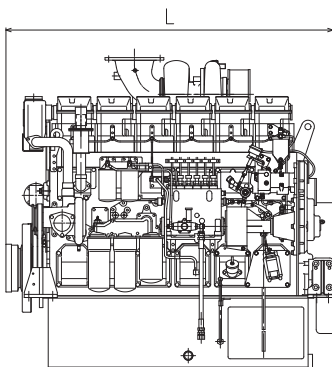
H (mm) : 1687

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-Y3MPTAW-2

Emission : EPA Tier3



EPA

Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
599	803	1400	Propulsion	110	MD

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1093

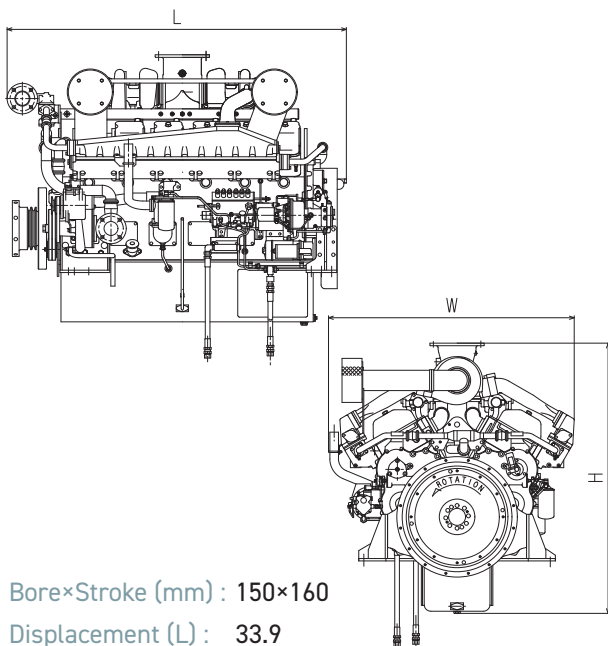
H (mm) : 1694

Dry Weight (kg) : 2900

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-Y1MPTA-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
634	850	1940	Propulsion	112	HD

Product Dimensions & Dry Weight

L (mm) : 2002

W (mm) : 1442

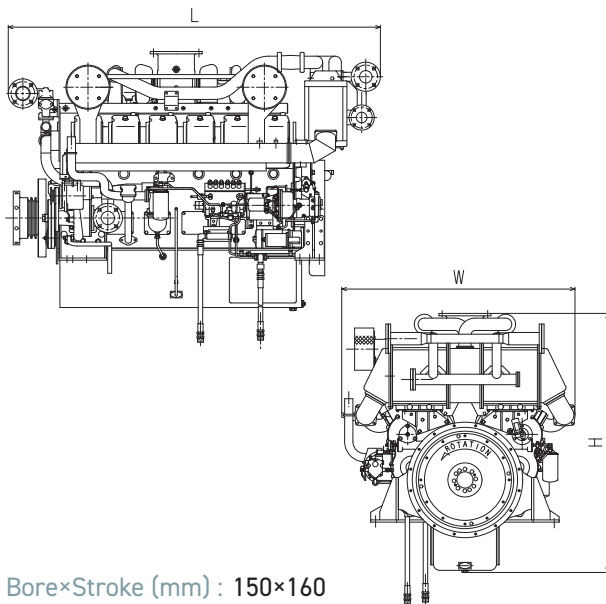
H (mm) : 1596

Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

S12A2-Y2MPTK-3

Emission : EPA Tier2



EPA

Bore×Stroke (mm) : 150×160

Displacement (L) : 33.9

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
701	940	1940	Propulsion	123	HD

Product Dimensions & Dry Weight

L (mm) : 2291

W (mm) : 1418

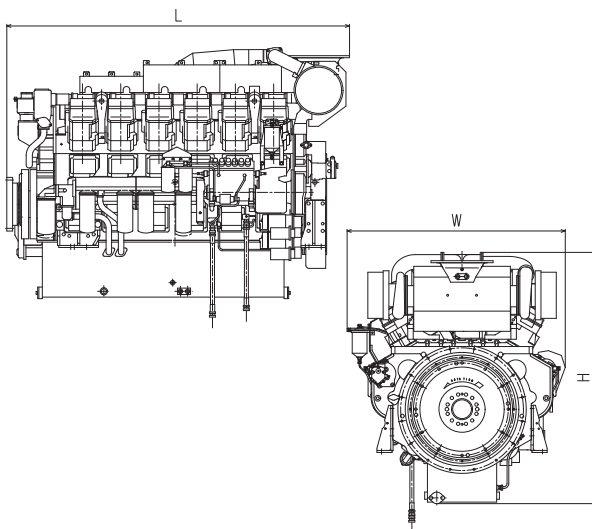
H (mm) : 1596

Dry Weight (kg) : 3380

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-Y1MPTA-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
880	1180	1600	Propulsion	153	HD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

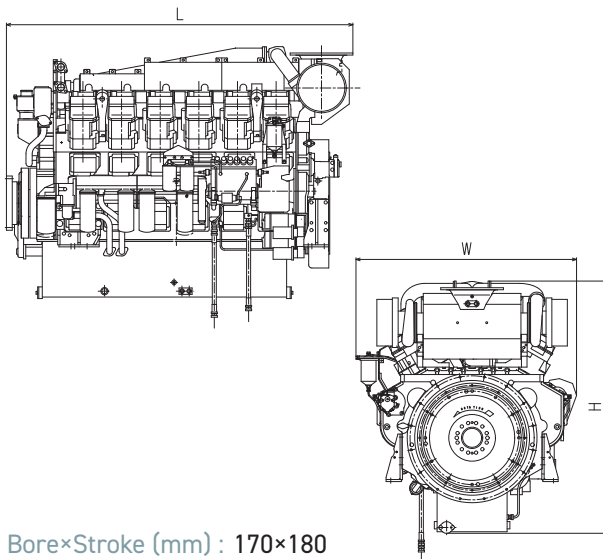
H (mm) : 1742

Dry Weight (kg) : 5230

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-Y1MPTK-3

Emission : EPA Tier1



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	163	HD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

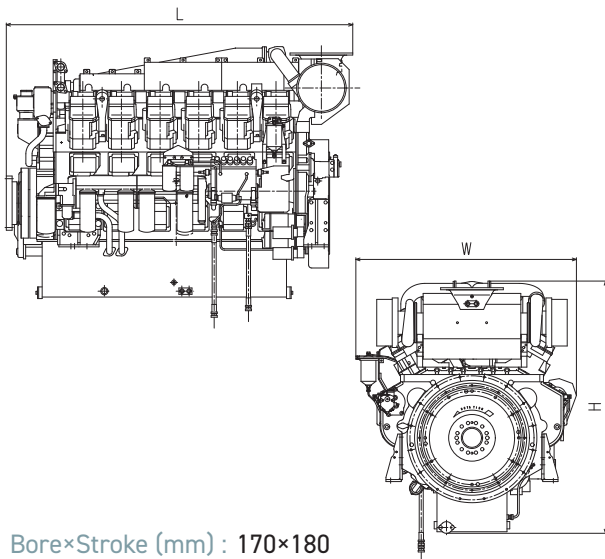
H (mm) : 1730

Dry Weight (kg) : 5320

Dimensions and Weight may vary based on selected engine configuration.

S12R-Y2MPTK-3

Emission : EPA Tier2



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	167	HD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

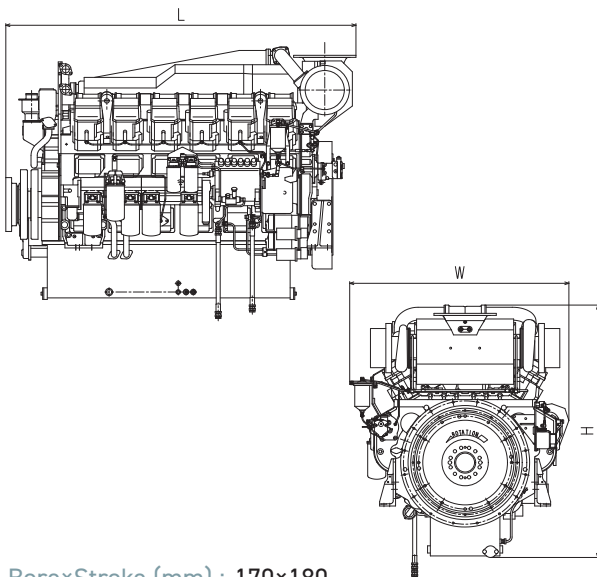
H (mm) : 1731

Dry Weight (kg) : 5320

Dimensions and Weight may vary based on selected engine configuration.

S12R-Y3MPTAW-3

Emission : EPA Tier3



EPA

Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	173	HD

Product Dimensions & Dry Weight

L (mm) : 2416

W (mm) : 1512

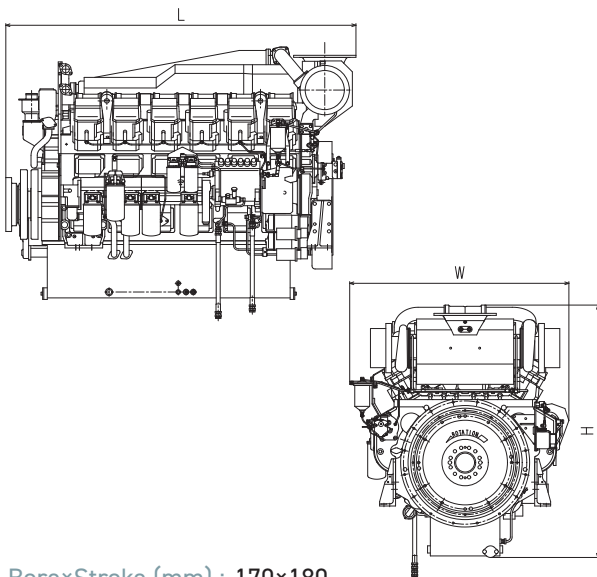
H (mm) : 1742

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-Y3MPTAW-4

Emission : EPA Tier3



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
820	1099	1600	Propulsion	150	HD

Product Dimensions & Dry Weight

L (mm) : 2416

W (mm) : 1512

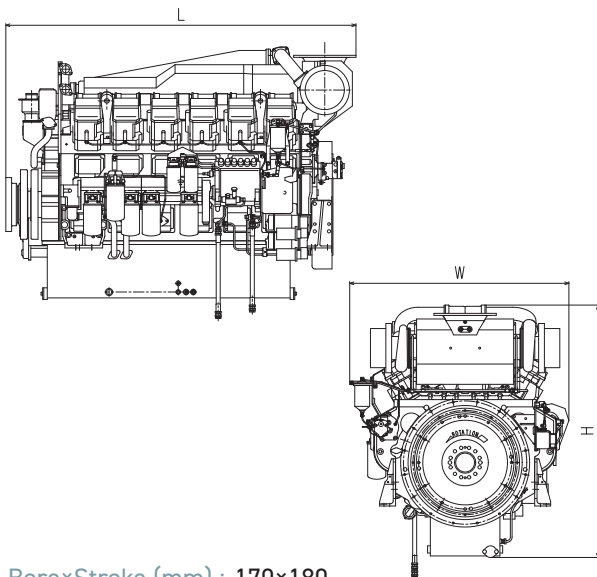
H (mm) : 1742

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-Y3MPTAW-6

Emission : EPA Tier3



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
820	1099	1800	Propulsion	158	HD

Product Dimensions & Dry Weight

L (mm) : 2416

W (mm) : 1512

H (mm) : 1742

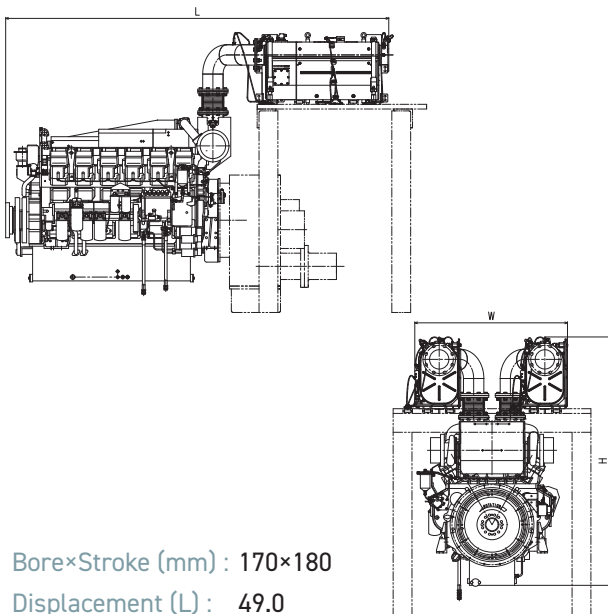
Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

EPA

S12R-Y4MPTAW-3

Emission : EPA Tier4



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Intermediate freshwater cooling

After treatment system : SCR × 2 units

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
940	1260	1600	Propulsion	164	HD

Product Dimensions & Dry Weight

L (mm) : 2390 (ENG. only) 4068 (W/SCR)

W (mm) : 1512 (ENG. only) 1622 (W/SCR)

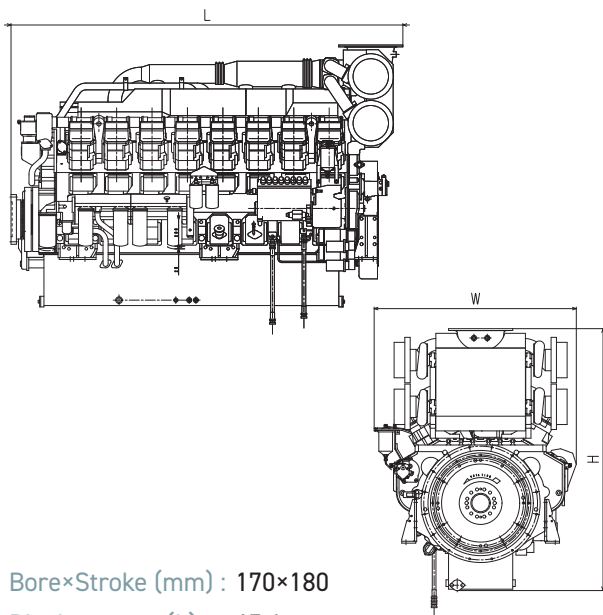
H (mm) : 1795 (ENG. only) 2639 (W/SCR)

Dry Weight (kg) : 5350 (ENG. only)

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-Y1MPTA-3

Emission : EPA Tier 1



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1170	1568	1600	Propulsion	202	HD

Product Dimensions & Dry Weight

L (mm) : 2931

W (mm) : 1512

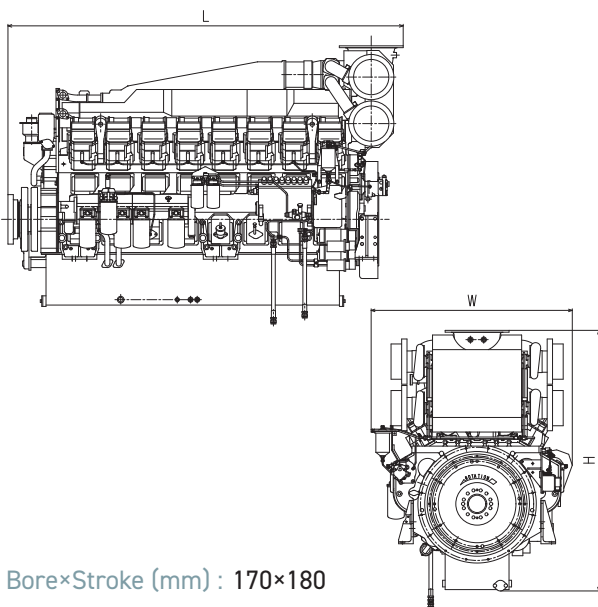
H (mm) : 1960

Dry Weight (kg) : 6660

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-Y3MPTAW-3

Emission : EPA Tier3



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Intermediate freshwater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1250	1676	1600	Propulsion	234	HD

Product Dimensions & Dry Weight

L (mm) : 2971

W (mm) : 1512

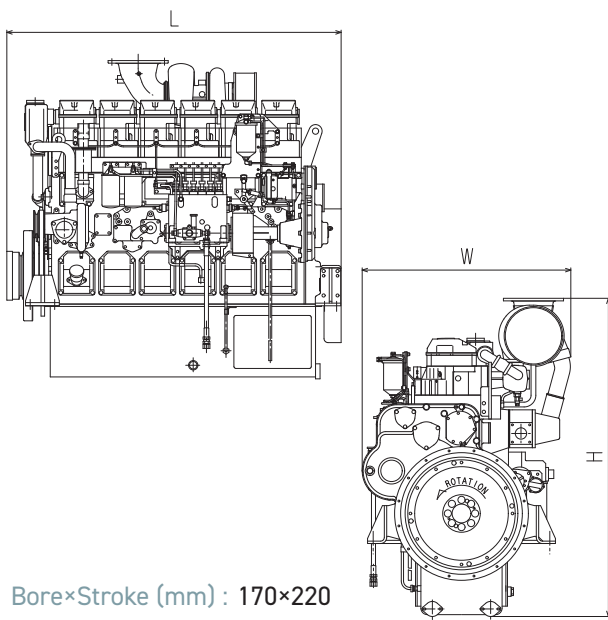
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-G1MPTK3-1

Emission : GB1



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
759	1017	1500	Propulsion	135	LD

Product Dimensions & Dry Weight

L (mm) : 2105

W (mm) : 1183

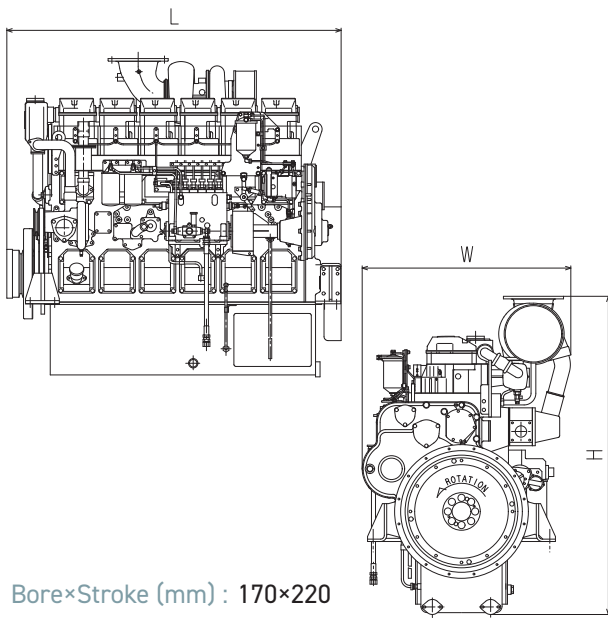
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-G1MPTK-5

Emission : GB1



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
640	858	1500	Auxiliary/DEP	86	50 Hz

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

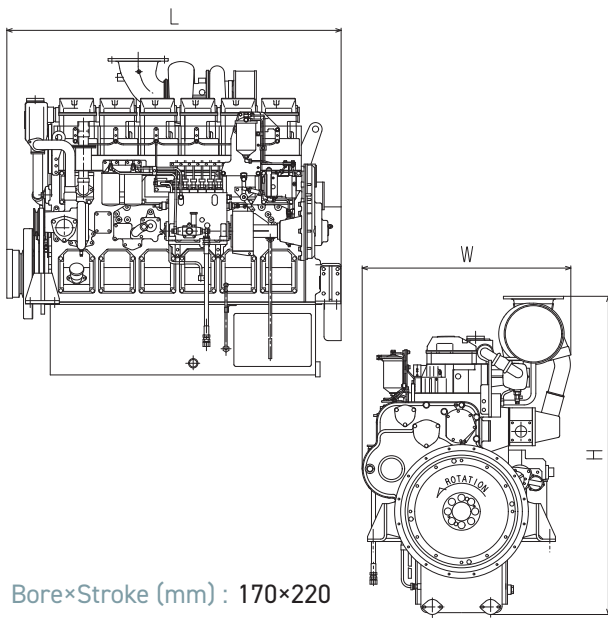
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-G2MPTK3-1

Emission : GB2



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
725	972	1406	Propulsion	130	LD

Product Dimensions & Dry Weight

L (mm) : 2105

W (mm) : 1183

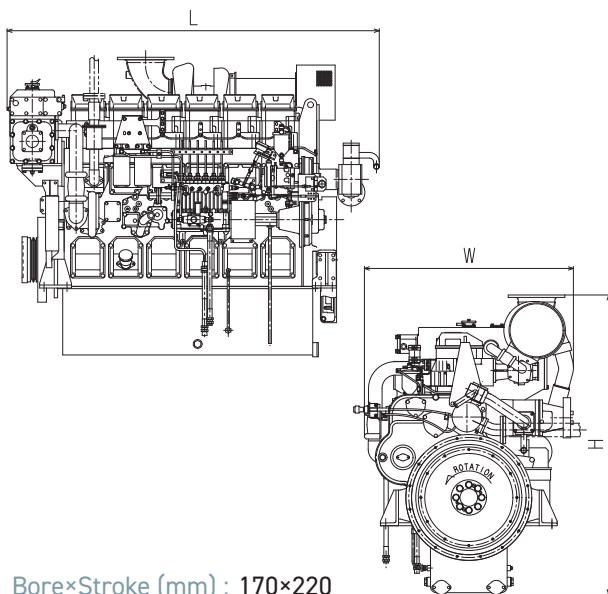
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S6R2-G2MPTK-5

Emission : GB2



Bore×Stroke (mm) : 170×220

Displacement (L) : 30.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
640	858	1500	Auxiliary/DEP	86	50

Product Dimensions & Dry Weight

L (mm) : 1779

W (mm) : 1108

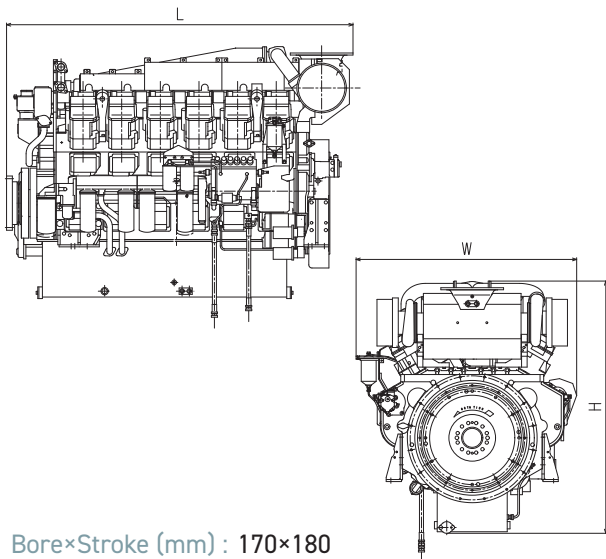
H (mm) : 1695

Dry Weight (kg) : 2960

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-G1MPTK2-1

Emission : GB1



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1342	1799	1800	Propulsion	236	LD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

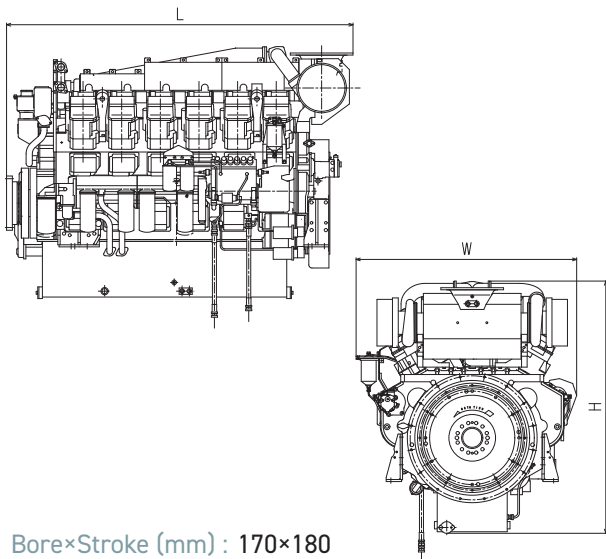
H (mm) : 1731

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S12R-G1MPTK2-2

Emission : GB1



Bore×Stroke (mm) : 170×180

Displacement (L) : 49.0

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1202	1611	1650	Propulsion	207	MD

Product Dimensions & Dry Weight

L (mm) : 2376

W (mm) : 1512

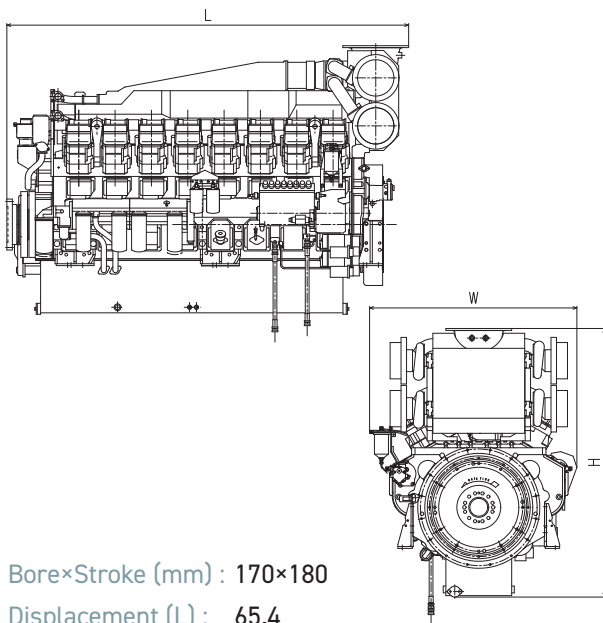
H (mm) : 1731

Dry Weight (kg) : 5320

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-G1MPTK2-1

Emission : GB1



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1875	2513	1800	Propulsion	329	LD

Product Dimensions & Dry Weight

L (mm) : 2931

W (mm) : 1512

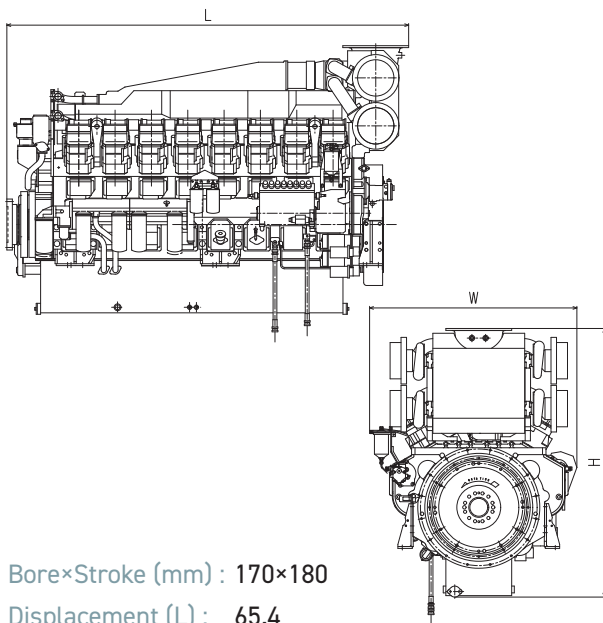
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S16R-G1MPTK2-2

Emission : GB1



Bore×Stroke (mm) : 170×180

Displacement (L) : 65.4

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1690	2265	1650	Propulsion	291	MD

Product Dimensions & Dry Weight

L (mm) : 2931

W (mm) : 1512

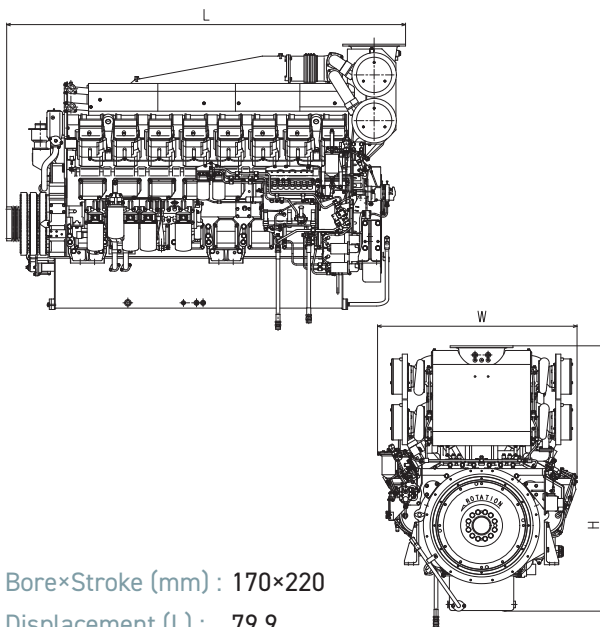
H (mm) : 1960

Dry Weight (kg) : 6780

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G1MPTK-1

Emission : GB1



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1885	2527	1500	Propulsion	337	LD

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

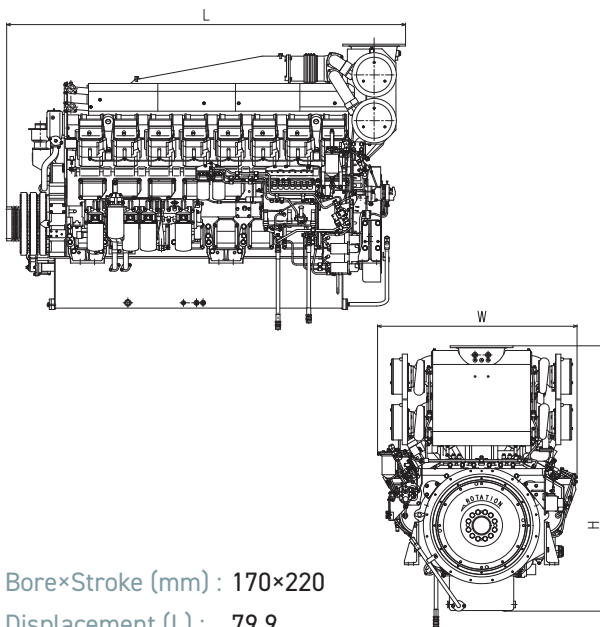
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G1MPTK-2

Emission : GB1



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1695	2272	1450	Propulsion	302	MD

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

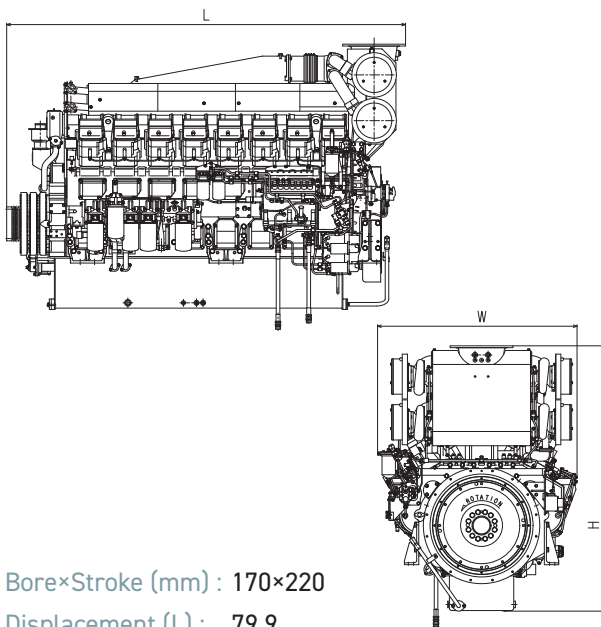
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G1MPTK-5

Emission : GB1



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1960	2627	1500	Auxiliary/DEP	247	50 Hz

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

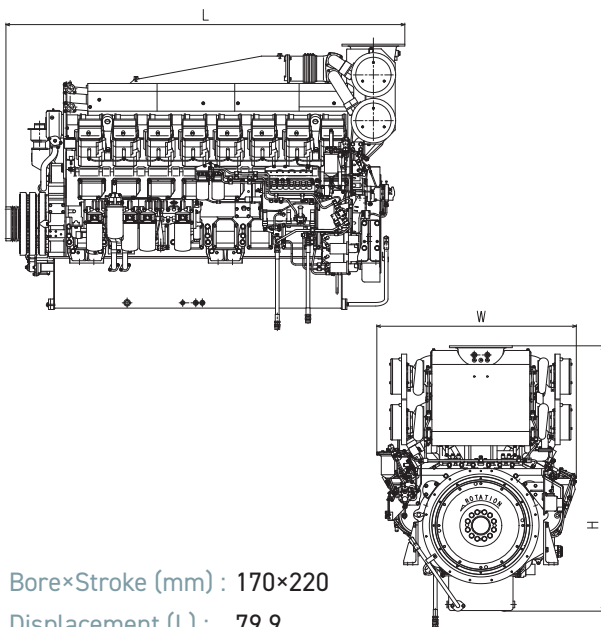
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G2MPTK-1

Emission : GB2



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1885	2527	1500	Propulsion	347	LD

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

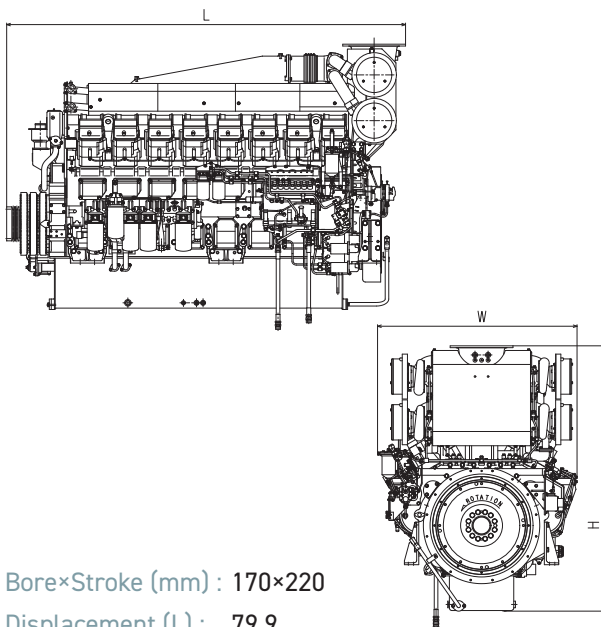
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G2MPTK-2

Emission : GB2



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1695	2272	1450	Propulsion	309	MD

Product Dimensions & Dry Weight

L (mm) : 3050

W (mm) : 1525

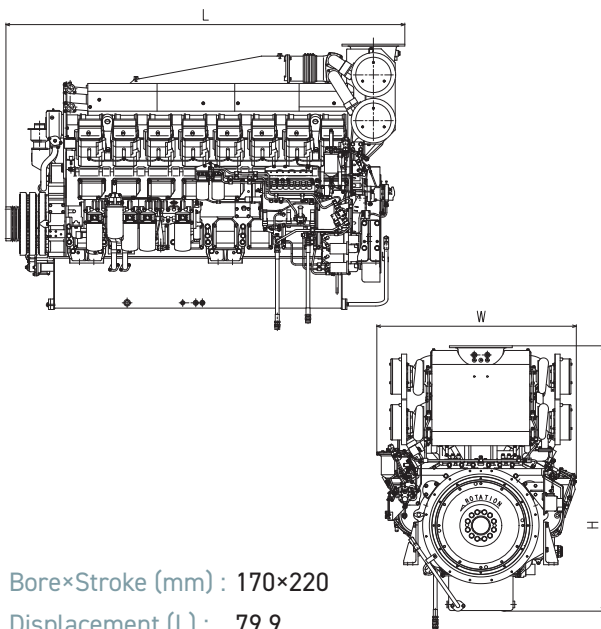
H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.

S16R2-G2MPTK-5

Emission : GB2



Bore×Stroke (mm) : 170×220

Displacement (L) : 79.9

Cooling system : Direct seawater cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons L/hr	Rating
1825	2446	1500	Auxiliary/DEP	241	50 Hz

Product Dimensions & Dry Weight

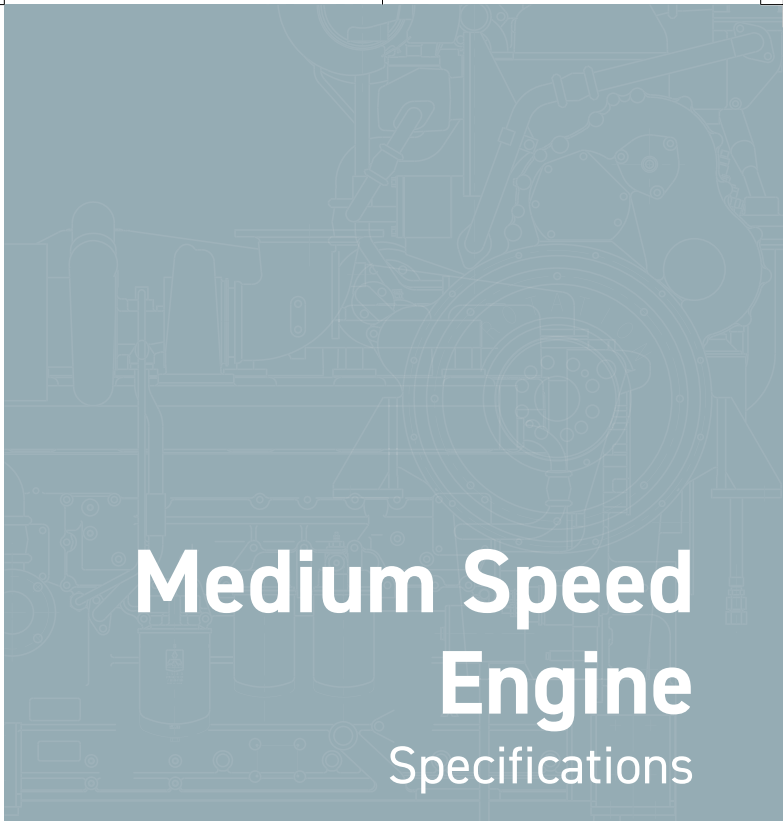
L (mm) : 3050

W (mm) : 1525

H (mm) : 2030

Dry Weight (kg) : 7870

Dimensions and Weight
may vary based on selected
engine configuration.



Medium Speed Engine

Specifications

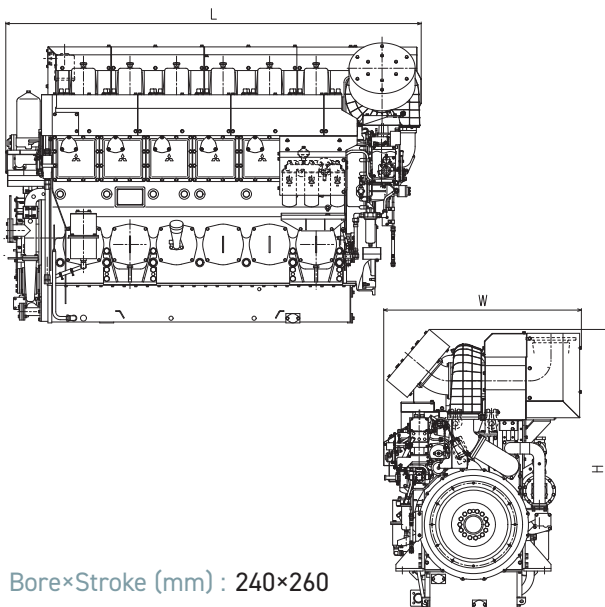
Propulsion

Tug (Propulsion)

Auxiliary

DEP

S6U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 70.6

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1007	1350	1060	Propulsion	210	HD
1119	1500	1100	Propulsion	210	MD
1231	1650	1200	Propulsion	215	LD

Product Dimensions & Dry Weight

L (mm) : 3214

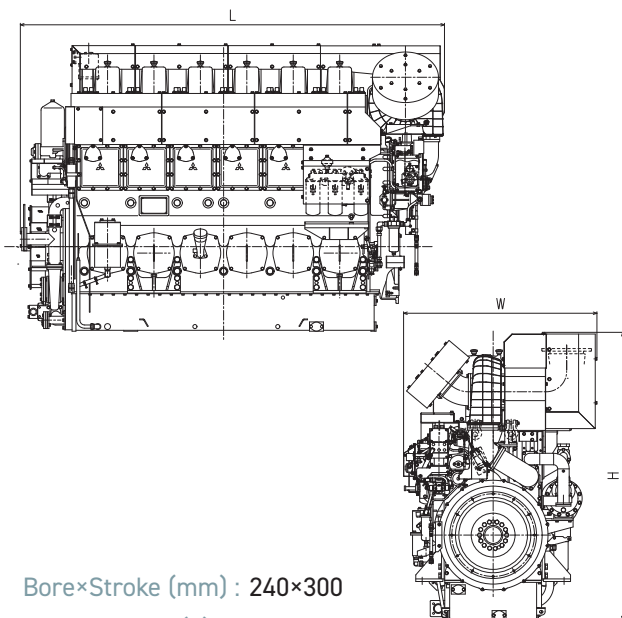
W (mm) : 1529

H (mm) : 2167

Dry Weight (kg) : 8350

Dimensions and Weight may vary based on selected engine configuration.

S6U2-MPTK



Bore×Stroke (mm) : 240×300

Displacement (L) : 81.4

Cooling system : Direct seawater or engine jacket water cooling

Propulsion

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1040	1394	930	Propulsion	207	HD
1156	1550	960	Propulsion	207	MD
1268	1700	1000	Propulsion	209	LD

Product Dimensions & Dry Weight

L (mm) : 3289

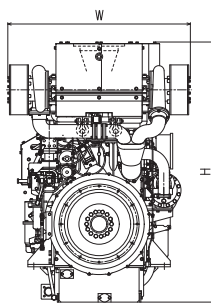
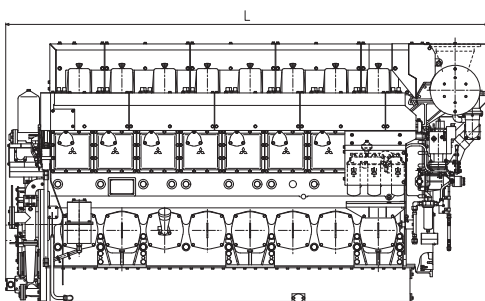
W (mm) : 1499

H (mm) : 2230

Dry Weight (kg) : 8650

Dimensions and Weight may vary based on selected engine configuration.

S8U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 94.1

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1343	1800	1060	Propulsion	210	HD
1492	2000	1100	Propulsion	210	MD
1641	2200	1200	Propulsion	215	LD

Product Dimensions & Dry Weight

L (mm) : 4065

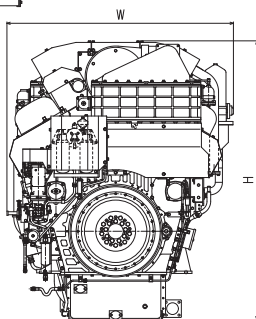
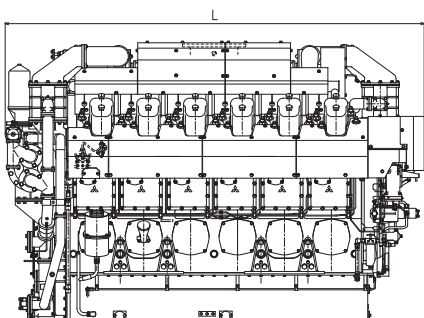
W (mm) : 1538

H (mm) : 2192

Dry Weight (kg) : 11000

Dimensions and Weight may vary based on selected engine configuration.

S12U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 141.2

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2014	2700	1060	Propulsion	210	HD
2238	3000	1100	Propulsion	210	MD
2462	3300	1200	Propulsion	215	LD

Product Dimensions & Dry Weight

L (mm) : 3572

W (mm) : 1931

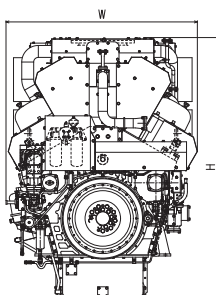
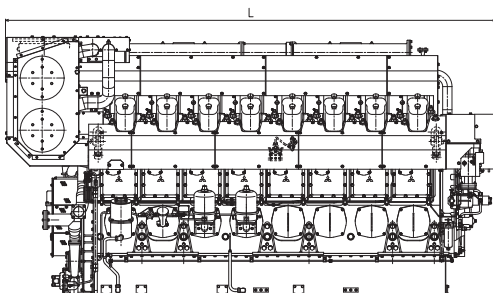
H (mm) : 2379.3

Dry Weight (kg) : 15500

Dimensions and Weight may vary based on selected engine configuration.

Propulsion

S16U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 188.2

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2686	3601	1060	Propulsion	210	HD
2984	4000	1100	Propulsion	210	MD
3282	4399	1200	Propulsion	215	LD

Product Dimensions & Dry Weight

L (mm) : 4697

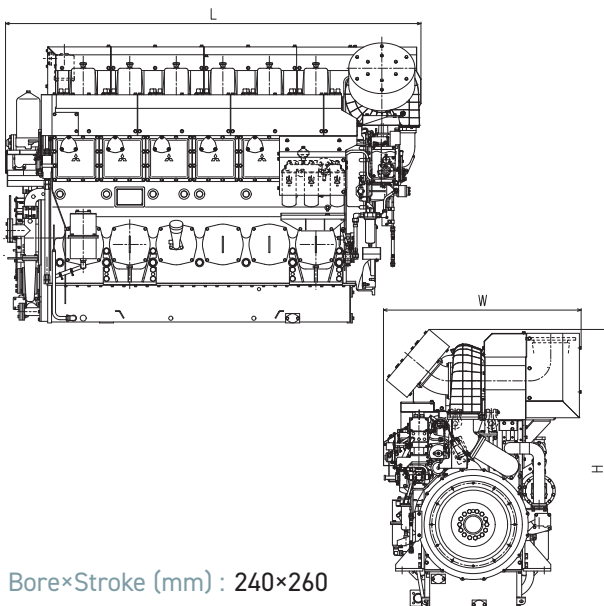
W (mm) : 1833

H (mm) : 2500.5

Dry Weight (kg) : 20500

Dimensions and Weight
may vary based on selected
engine configuration.

S6U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 70.6

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1103	1479	1150	Tug(Propulsion)	215	Tug

Product Dimensions & Dry Weight

L (mm) : 3214

W (mm) : 1529

H (mm) : 2167

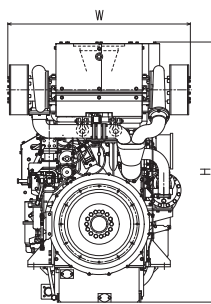
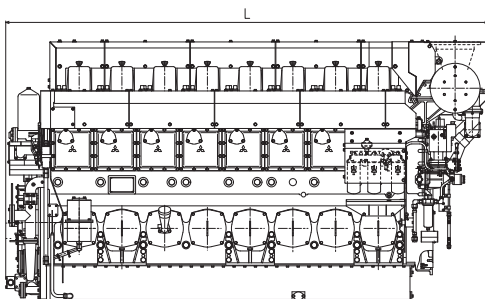
Dry Weight (kg) : 8350

Dimensions and Weight may vary based on selected engine configuration.

Propulsion

Tug (Propulsion)

S8U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 94.1

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1470	1971	1150	Tug(Propulsion)	215	Tug

Product Dimensions & Dry Weight

L (mm) : 4065

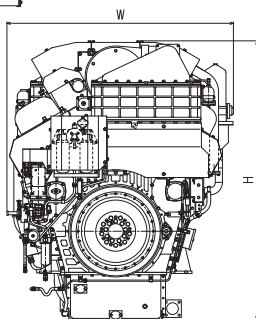
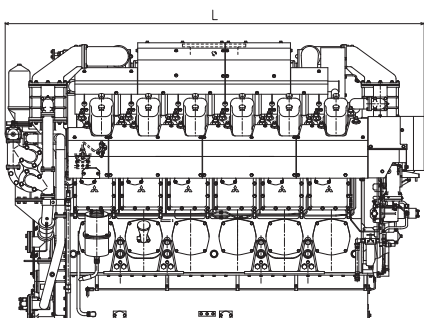
W (mm) : 1538

H (mm) : 2192

Dry Weight (kg) : 11000

Dimensions and Weight may vary based on selected engine configuration.

S12U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 141.2

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2205	2956	1150	Tug(Propulsion)	215	Tug

Tug (Propulsion)

Product Dimensions & Dry Weight

L (mm) : 3572

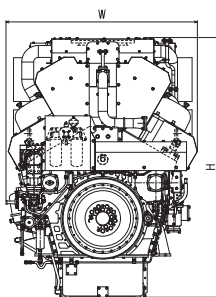
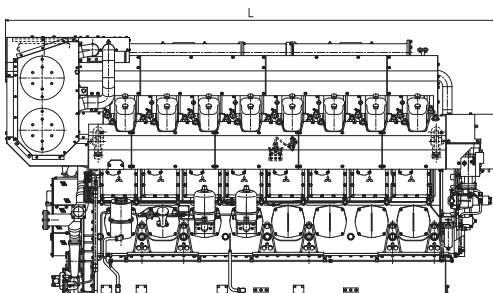
W (mm) : 1931

H (mm) : 2379.3

Dry Weight (kg) : 15500

Dimensions and Weight may vary based on selected engine configuration.

S16U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 188.2

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2940	3941	1150	Tug(Propulsion)	215	Tug

Product Dimensions & Dry Weight

L (mm) : 4697

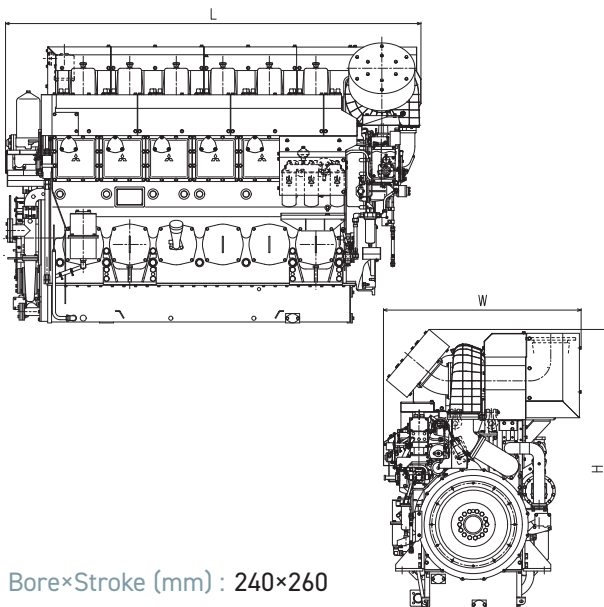
W (mm) : 1833

H (mm) : 2500.5

Dry Weight (kg) : 20500

Dimensions and Weight
may vary based on selected
engine configuration.

S6U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 70.6

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1150	1542	900	Auxiliary	204	60 Hz
1270	1702	1000	Auxiliary	210	50 Hz
1343	1800	1200	Auxiliary	210	60 Hz

Product Dimensions & Dry Weight

L (mm) : 3214

W (mm) : 1529

H (mm) : 2167

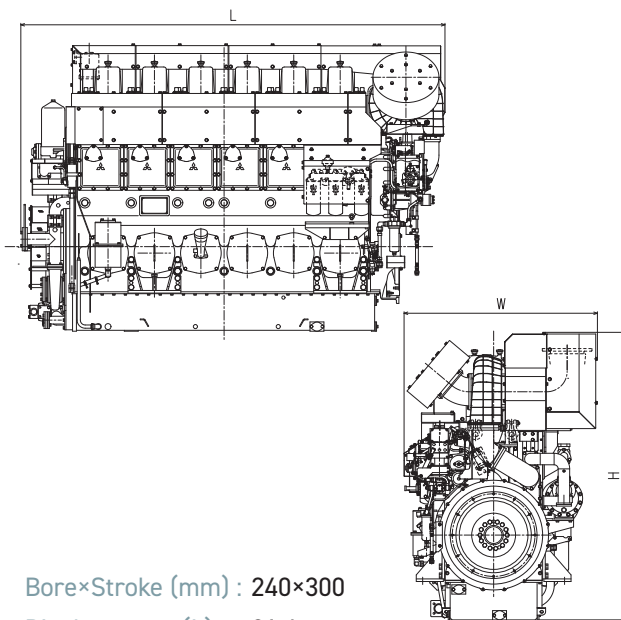
Dry Weight (kg) : 8350

Dimensions and Weight may vary based on selected engine configuration.

Tug (Propulsion)

Auxiliary

S6U2-MPTK



Bore×Stroke (mm) : 240×300

Displacement (L) : 81.4

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1250	1676	900	Auxiliary	198	60 Hz
1363	1827	1000	Auxiliary	200	50 Hz

Product Dimensions & Dry Weight

L (mm) : 3289

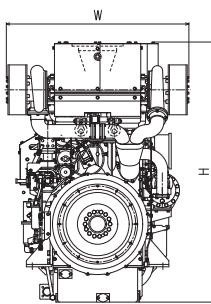
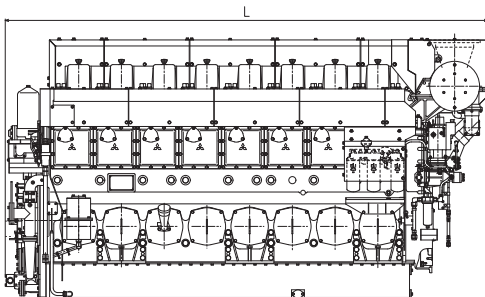
W (mm) : 1499

H (mm) : 2230

Dry Weight (kg) : 8650

Dimensions and Weight may vary based on selected engine configuration.

S8U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 94.1

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1533	2055	900	Auxiliary	206	60 Hz
1693	2269	1000	Auxiliary	210	50 Hz
1790	2399	1200	Auxiliary	215	60 Hz

Product Dimensions & Dry Weight

L (mm) : 4065

W (mm) : 1538

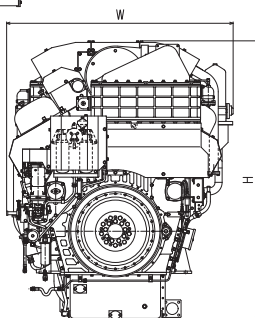
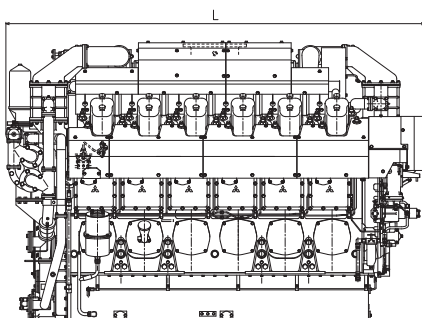
H (mm) : 2192

Dry Weight (kg) : 11000

Dimensions and Weight may vary based on selected engine configuration.

Auxiliary

S12U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 141.2

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2299	3082	900	Auxiliary	204	60 Hz
2541	3406	1000	Auxiliary	210	50 Hz
2685	3599	1200	Auxiliary	210	60 Hz

Product Dimensions & Dry Weight

L (mm) : 3572

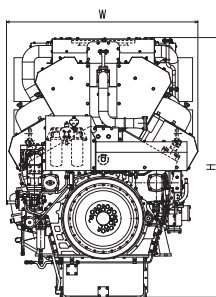
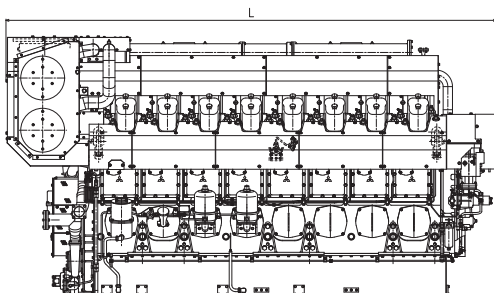
W (mm) : 1931

H (mm) : 2379.3

Dry Weight (kg) : 15500

Dimensions and Weight may vary based on selected engine configuration.

S16U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 188.2

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
3065	4109	900	Auxiliary	206	60 Hz
3388	4542	1000	Auxiliary	210	50 Hz
3580	4799	1200	Auxiliary	215	60 Hz

Product Dimensions & Dry Weight

L (mm) : 4697

W (mm) : 1833

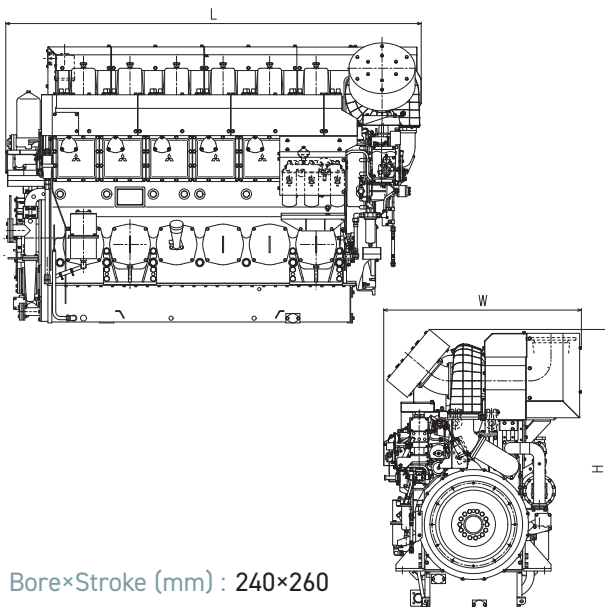
H (mm) : 2500.5

Dry Weight (kg) : 20500

Dimensions and Weight
may vary based on selected
engine configuration.

Auxiliary

S6U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 70.6

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1045	1401	900	DEP	204	Continuous
1142	1531	1000	DEP	210	Continuous
1205	1615	1200	DEP	210	Continuous
1150	1542	900	DEP	204	Intermittent
1270	1702	1000	DEP	210	Intermittent
1343	1800	1200	DEP	210	Intermittent

Product Dimensions & Dry Weight

L (mm) : 3214

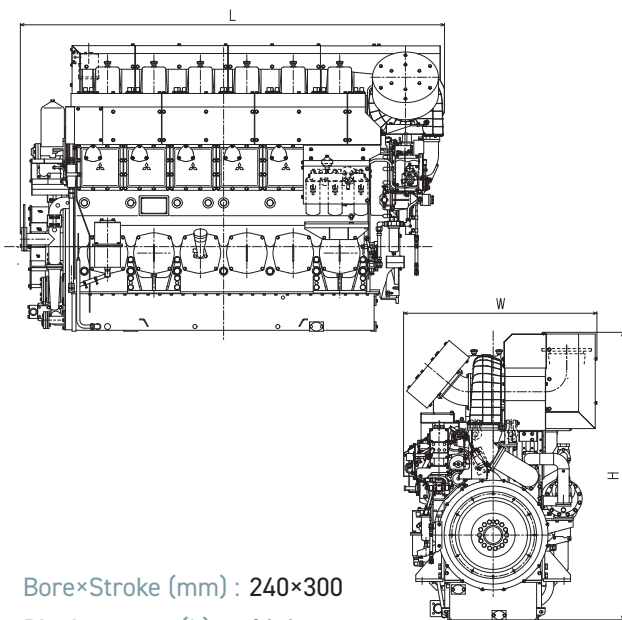
W (mm) : 1529

H (mm) : 2167

Dry Weight (kg) : 8350

Dimensions and Weight may vary based on selected engine configuration.

S6U2-MPTK



Bore×Stroke (mm) : 240×300

Displacement (L) : 81.4

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1161	1556	900	DEP	197	Continuous
1234	1654	1000	DEP	199	Continuous
1250	1676	900	DEP	198	Intermittent
1363	1827	1000	DEP	200	Intermittent

Product Dimensions & Dry Weight

L (mm) : 3289

W (mm) : 1499

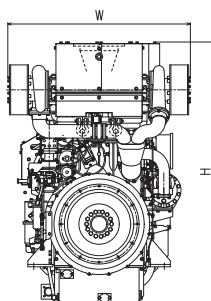
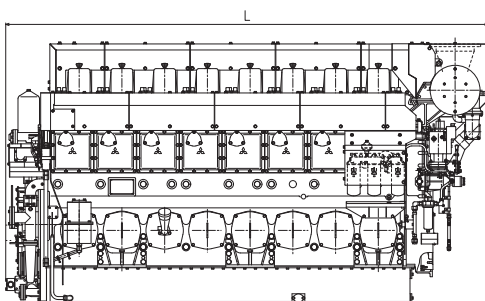
H (mm) : 2230

Dry Weight (kg) : 8650

Dimensions and Weight may vary based on selected engine configuration.

DEP

S8U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 94.1

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
1394	1869	900	DEP	204	Continuous
1522	2040	1000	DEP	210	Continuous
1608	2155	1200	DEP	215	Continuous
1533	2055	900	DEP	206	Intermittent
1693	2269	1000	DEP	210	Intermittent
1790	2399	1200	DEP	215	Intermittent

Product Dimensions & Dry Weight

L (mm) : 4065

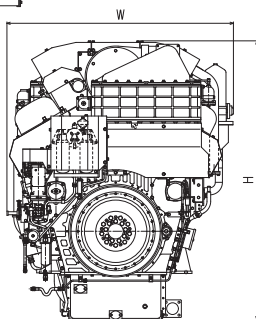
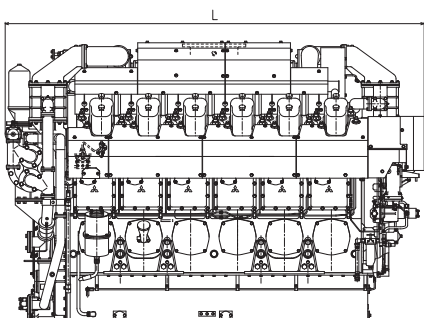
W (mm) : 1538

H (mm) : 2192

Dry Weight (kg) : 11000

Dimensions and Weight may vary based on selected engine configuration.

S12U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 141.2

Cooling system : Direct seawater or engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2090	2802	900	DEP	204	Continuous
2283	3060	1000	DEP	210	Continuous
2412	3233	1200	DEP	210	Continuous
2299	3082	900	DEP	204	Intermittent
2541	3406	1000	DEP	210	Intermittent
2685	3599	1200	DEP	210	Intermittent

Product Dimensions & Dry Weight

L (mm) : 3572

W (mm) : 1931

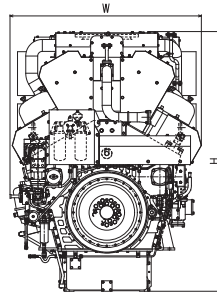
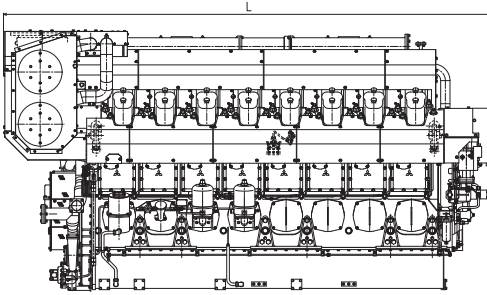
H (mm) : 2379.3

Dry Weight (kg) : 15500

Dimensions and Weight may vary based on selected engine configuration.

DEP

S16U-MPTK



Bore×Stroke (mm) : 240×260

Displacement (L) : 188.2

Cooling system : Engine jacket water cooling

Commercial Rating

kW	BHP	RPM	Application	Fuel Cons g/kWh	Rating
2787	3736	900	DEP	204	Continuous
3045	4082	1000	DEP	210	Continuous
3215	4310	1200	DEP	215	Continuous
3065	4109	900	DEP	206	Intermittent
3388	4542	1000	DEP	210	Intermittent
3580	4799	1200	DEP	215	Intermittent

Product Dimensions & Dry Weight

L (mm) : 4697

W (mm) : 1833

H (mm) : 2500.5

Dry Weight (kg) : 20500

Dimensions and Weight
may vary based on selected
engine configuration.

Option Item

Smart Cruising Assist
Horizontal Exhaust System

Smart Cruising Assist

SCA panel SCA monitor as gauge panel

SCA monitor can be used as gauge panel for engine in wheel house.



SCA monitor



Wheel house alert panel



- NK approved
- No need for analogue panel and need less space for installation
- Even in case of emergency (SCA monitor breakdown), the fundamental information (engine revolution and several alerts) can be checked by alert panel.

Functions

Meter screen

- Engine revolution
- Intake air pressure
- Cooling water temperature
- Lube oil pressure
- Exhaust temperature
- Eco score - Fuel consumption



Graph screen

- Revolution - Output
- Output - Fuel consumption
- Vessel speed - Fuel efficiency
- Plotting number setting
- Fuel consumption record



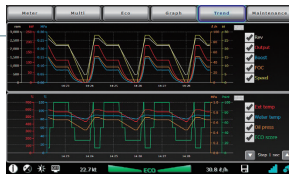
Multi screen

- Engine revolution
- Engine output
- Vessel speed
- Instantaneous fuel consumption
- Average fuel consumption
- Cruising distance
- Time
- Available cruising distance
- Accumulated fuel consumption (liter ℓ, ¥)



Trend screen

- Engine revolution
- Engine output
- Intake air pressure
- Estimated fuel consumption
- Exhaust temperature
- Cooling water temperature
- Lube oil pressure [data collected by each hour, day, month, year]



Maintenance screen

- Maintenance items
- Announcement for maintenance interval
- Maintenance record input

Item	Interval	Item	Interval	Reset
Oil change	10000h	Full MTR change	10000h	Reset
Oil filter change	10000h	Full tank	10000h	
Full inspection & adjusting	10000h	Property & maintenance	10000h	Reset
Inspection	10000h	Full inspection & adjusting	10000h	
Oil & lube oil	10000h	Inspection	10000h	Off-Set
Propeller & rudder	10000h	Full inspection & adjusting	10000h	
Propeller & rudder	10000h	Full inspection & adjusting	10000h	Off-Set
Propeller & rudder	10000h	Full inspection & adjusting	10000h	
Propeller & rudder	10000h	Full inspection & adjusting	10000h	Off-Set
Propeller & rudder	10000h	Full inspection & adjusting	10000h	

Eco screen

- Eco score history
- High load operating hours
- Cruising hours
- Average fuel consumption
- Eco score ranking
- Average load factor



* Eco score is a visualized indicator for fuel efficiency displayed in the bottom of meter screen. If highly efficient, it turns in green. If low efficient, it turns in red.
Eco score ranking displays eco score history per voyage in raking basis.

Features

Strengthened monitor

- 10.1 inch wide monitor (resolution 1024 X 600)
- Higher visibility with clearer graphic

Class NK approved

- Class NK environmental and functional requirement passed and type approved

Easy installation

- Improvement for wiring arrangement
- Special bracket for installation in standard supply
- Dust and splash protective case for monitor in standard supply

Automatic recording of operation status

- Longer recording period with mass storage internal memory
- Increased operation efficiency based on historical operation records
- Automatic notice for maintenance interval and parts replacement

Output and fuel consumption displayed in graph

- Estimated fuel consumption calculated without expensive fuel flow meter
- Efficient operation realized by comparing vessel speed and fuel consumption
- Fuel saving result available

Real time location information

- Vessel speed and cruising distance available by built-in GPS
- Estimated arrival time and cruising distance

Horizontal Exhaust System

For High Speed Vessels, Inland Cargo Vessels, Fishing Boats

Mitsubishi Heavy Industries Engine & Turbocharger, Ltd. now offers the option of a horizontal exhaust system for marine engines.

This configuration allows the exhaust pipe to be straight, greatly reducing the engine height in the engine room.

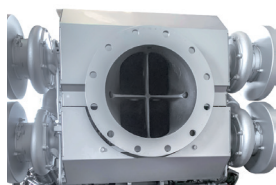
The new option offers more aesthetic appeal, practicality, and functionality especially for the following vessels:

High speed vessels carrying passengers

The straight exhaust pipe can be easily directed to a funnel. The funnel can be installed at the stern or side of the vessel to lower emissions exposure to passengers.

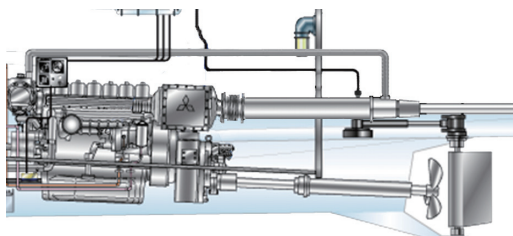
Inland cargo vessels and fishing boats that cannot have funnels

The straight exhaust pipe can be directly connected to the exhaust outlet located at the stern of the vessel.



S16R2-G1MPTK
with horizontal exhaust system

Engine room layout



MHIET Group Companies

Headquarters

Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.

3000, Tana, Chuo-ku, Sagamihara, Kanagawa, 252-5293, Japan

Phone: 81-42-862-0701

URL: <https://mhiet.mhi.com/>

Europe

Mitsubishi Turbocharger and Engine Europe B.V. (MTEE)

Address: Damsluisweg 2, 1332 EC, Almere the Netherlands

Phone: 31-36-5388-311 Fax: 31-36-5388-200

URL: <http://www.mtee.eu/>

MHI Equipment Alsace S.A.S. (MEA)

Address: 26, rue Francois Spoerry, 68100 MULHOUSE, FRANCE

Phone: 33-3-89-36-65-65 Fax: 33-3-89-36-65-66

Asia

Mitsubishi Heavy Industries Engine System Asia Pte. Ltd. (MHIES-A)

Address: No.3, Tuas Avenue 12, Singapore 639024 Republic of Singapore

Phone: 65-6862-2202 Fax: 65-6862-5728

URL: <https://mhiesa.com/>

MHI Engine System Vietnam Co., Ltd. (MHIES-V)

Address: 39 Dai Lo Huu Nghi, Vietnam-Singapore Industrial Park, Thuan An, Binh duong, socialist Republic of Vietnam

Phone: 84-650-3769251 Fax: 84-650-3769262

MHI Engine System Philippines, Inc. (MHIES-P)

Address: Warehouse 4C, Sunblest Compound, KM23 West Service Road, Barangay Cupang, Muntinlupa City, Metro Manila Philippines

Phone: 63-2-8775-0209 Fax: 63-2-8775-0310

PT. MHI Engine System Indonesia (MHIES-I)

Address: #302 Bld. Cilandak Commercial Estate P.O Box 7510 CCE, Cilandak, Jakarta, Indonesia

Phone: 62-21-7890-191 Fax: 62-21-7890279

Mitsubishi Heavy Industries-VST Diesel Engines Private Limited (MVDE)

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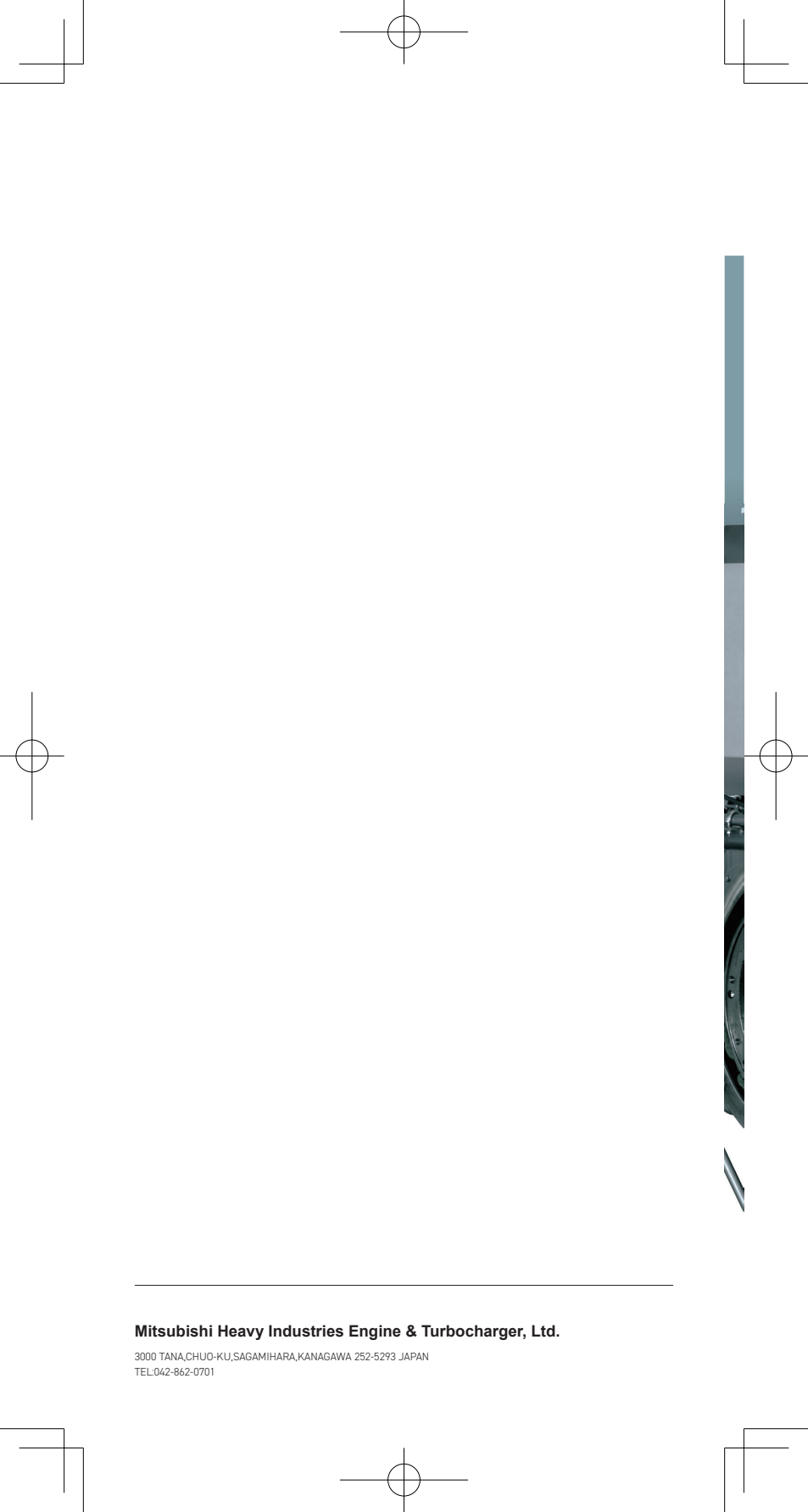
North America

Mitsubishi Turbocharger and Engine America, Inc. (MTEA)

Address: Two Pierce Place. 11th Floor, Itasca, IL 60143 U.S.A.

Phone: 1-630-268-0750 Fax: 1-630-268-9293

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