YANMAR

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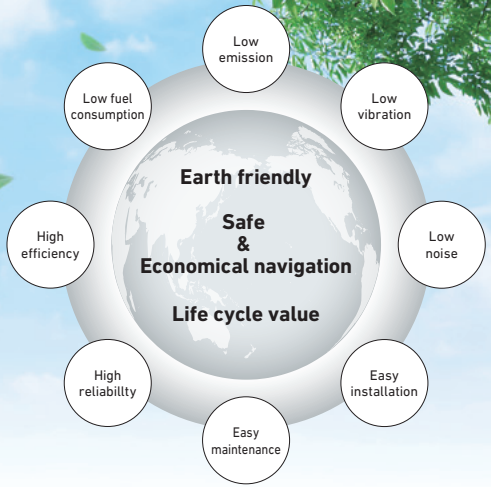
YANMAR

MARINE DIESEL ENGINE PRODUCTS GUIDE

MARINE PROPULSION
POWER RANGE [374~4500kW]

MARINE AUXILIARY
GENERATOR CAPACITY [180~4600kWe]

Limitless Blue Skies and Oceans



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Bore: 160~330mm
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Bore: 130~155mm
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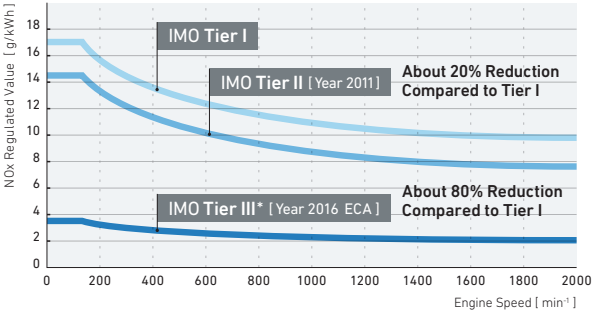
42P World wide service network

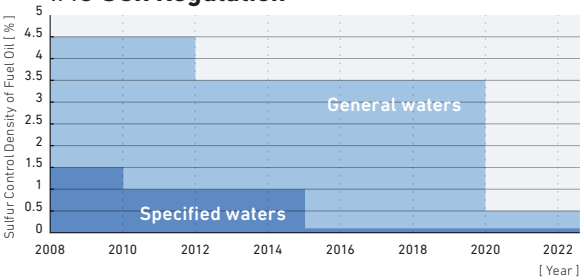
Clean and Reliable Technology

IMO Tier III* requires ships built from 2016 onwards in designated emission control areas (ECAs) to have an 80% Nox reduction from Tier I levels. By 2020, sulfur content of less than 0.5% will be required for all ships as well. Time and time again, YANMAR technology has proven itself to be reliable in a wide range of commercial marine engines. In addition to this, to stay a head of the game we are continually making new technology that meets tightening emissions regulations. In addition to providing our customers with the products they need, we also improve "Life Cycle Value" of our products. With a focus on harmony with nature, YANMAR delivers optimized solutions that support longer ship life.

IMO **NOx Regulation**



IMO **SOx Regulation**



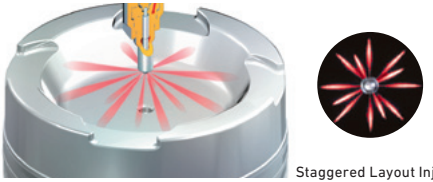
* Tier III is applied in general waters **ECA** = Emission Control Area
IMO = International Maritime Organization **NOx** = Nitrogen Oxides **SOx** = Sulfur Oxides

YANMAR EcoDiesel is addressing the stricter IMO Tier II regulation NOx limits with improvements to combustion technologies of engine.

ASSIGN combustion system

• Staggered Layout Multi-Hole Nozzle

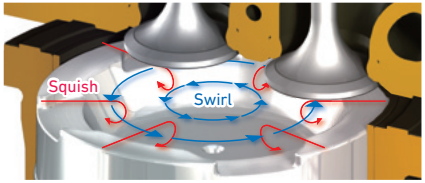
The vibration noise mainly in the low frequency band was difficult to reduce until now. However, we can drastically reduce it by the metal spring with high quality vibration damping performance. We will contribute to further improvement of the shipboard environment.



Staggered Layout Injection System

• Air Flow Motion

The optimally shaped air intake port generates a suitable swirl (votex flow) in the combustion chamber as well as a squish in the compression stroke. This promotes fuel / air mixing, improving combustion efficiency.

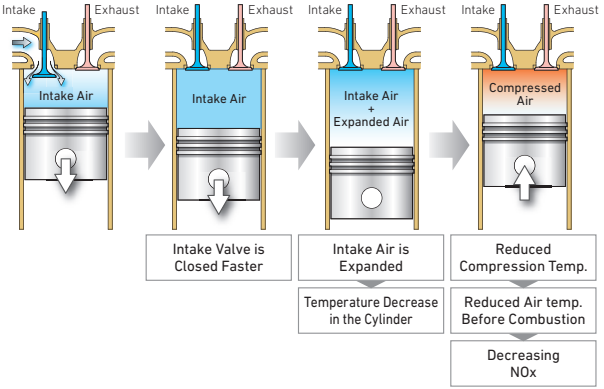


Intake Swirl and Squish

High pressure miller cycle system

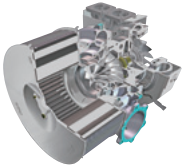
• Miller type cam

By finishing the intake stroke earlier, the intake air expands and temperature in the cylinder decreases, and by reducing air temperature before combustion in the next compression stroke, the NOx emission is reduced.



• High pressure ratio turbocharger

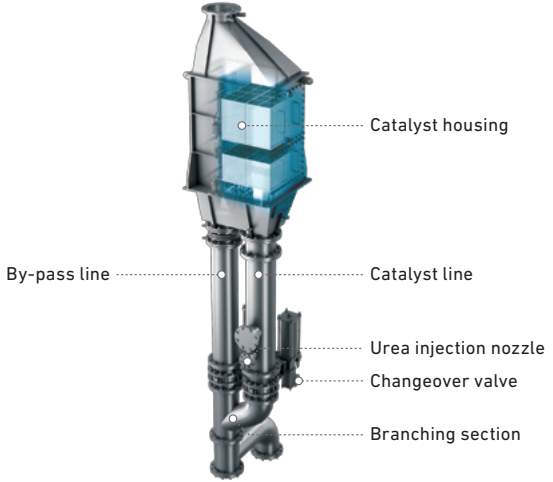
Increasing the intake pressure by high pressure ratio turbocharger during the short intake stroke ensures the quantity of charged air and fixes the cylinder pressure to restrain the increase of the specific fuel consumption.



* Some models do not employ these technologies.

NEW TECHNOLOGY
YANMAR SOLUTION

SCR system



SCR system developed in-house by YANMAR to meet to IMO Tier III

YANMAR has developed SCR system that meets to IMO Tier III regulations, which require an 80%, i.e. big reduction in NOx compared with Tier I. Making use of our original technology and wealth of experience, we have created a system whose design and functionality are optimized for marine vessels, and which is perfectly matched for use with diesel engines, both in ECA and non-ECA waters. In addition, repeated verification tests have been conducted on ocean-going vessels (equipped with SCR system for 3 auxiliary engines) to further improve the system.

• Maintaining highly NOx reduction performance whilst ensuring safety.

The by-pass branching section and catalytic reactor have been integrated into a single unit, achieving high-performance NOx reduction. Engines equipped with our SCR system is obtained NOx certification (Scheme A), whilst maintaining performance onboard. Additionally, a urea injection nozzle is installed downstream from the branching section, preventing ammonia from leaking into the by-pass line.

• Long lifetime of catalyst.

Catalyst degradation occurs due to the flow of small amounts of exhaust gas into the catalyst line when the by-pass is in operation. Specification not to flow the exhaust gas realizes longer lifetime of catalyst.

	Standard spec.	Optional spec. 1	Optional spec. 2
Changeocver valve installed to catalystic reactor outet	—	○ ∗1	—
Purge air	Req'd	Not req'd	Not req'd
Blower fan unit	—	—	○ ∗2

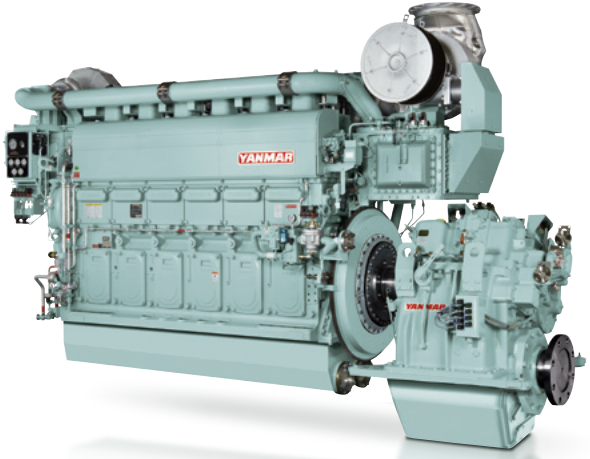
∗1 Overall height of catalystic reactor outlet becomes higher than standard.
∗2 To be installed on hull side : 2019-

• Automatic control for multiple engines.

Control unit integrates all devices including catalytic reactors mounted to each individual engine. A single pump unit and control panel can manage system for multiple engines, allowing the system to remain compact.

NEW TECHNOLOGY
YANMAR SOLUTION

2-stage turbocharging system

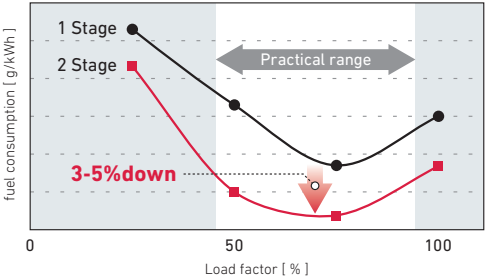


Ultra low fuel consumption of 4-stroke medium speed diesel engine.

YANMAR has always pursued low fuel consumption as its corporate creed “Fuel reward to Nation” since foundation. This time, we developed the "2-stage turbocharging system" compliant with IMO secondary regulation, further evolving the engine, achieving fuel economy far superior to the conventional engine.

• Evolution of high pressure Miller cycle system

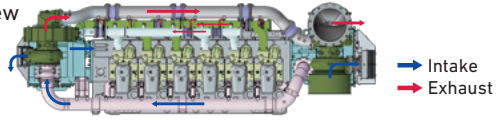
We aquired the air by using the "2 stage turbocharging system" in spite of advanced closing timing of suction valve to compare with "1 stage turbocharging system". As a result, we could achieve the low fuel consumption in wide load.



• Simple system

It is easy to maintain the system, because it is simple system that two turbochargers and two air coolers are only connected by suction air pipes and exhaust pipe.

◎ Top view

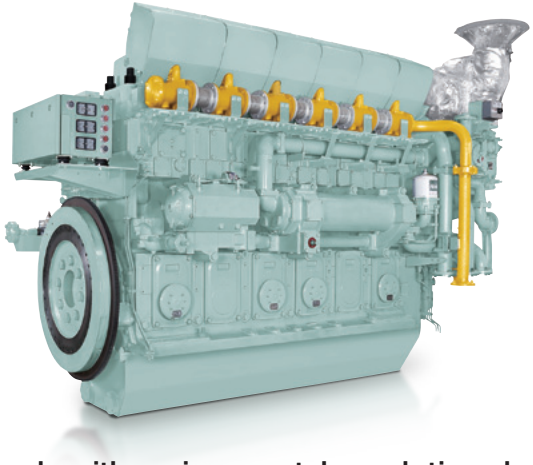


• Unchanged mountability and Good acceleration

We arranged turbocharger & air-cooler unit on both sides of the engine. By this structure, we could achieve the equivalent mountability as the base engine by keeping the height of engine. This engine has good acceleration at low load by adapting dynamic pressure type exhaust manifold.

NEW TECHNOLOGY
YANMAR SOLUTION

Marine dual fuel engine



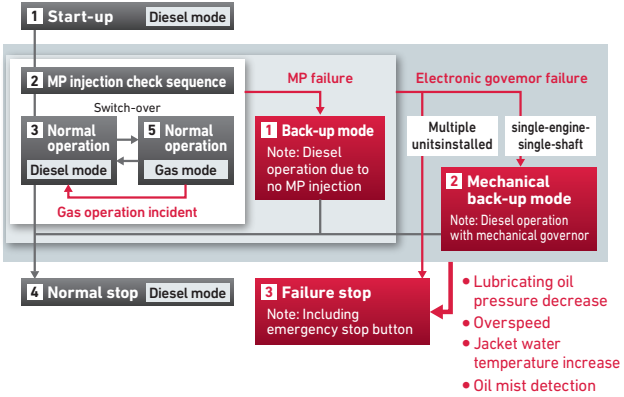
Comply with environmental regulations by using both diesel and gas fuels.

The use of natural gas is now attracting attention within the marine engine sector, both as a means of addressing fluctuating fuel costs, and as a way of reducing the burden on the environment. Basing on our reliable engines that will improve life cycle value for our customers, YANMAR have developed a dual fuel engine that can use both diesel and gas, which complies with IMO NOx Tier III regulations as well as SOx Emission Control Area.

• Safe System for use in single-engine-single-shaft vessels

YANMAR has developed a unique control system. Through multiplexing of devices, this system achieves safety and redundancy even with single-engine-single-shaft vessels, allowing you to navigate with peace of mind.

Note: Vessel classification currently pending



• Switch fuels even at 100% output

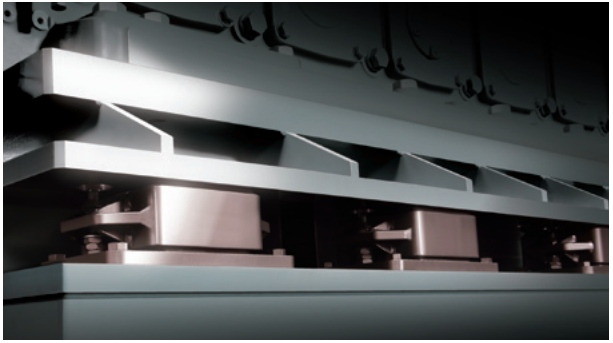
Freely select which fuel to use. The system makes it possible to switch from diesel mode to gas mode during navigation, with no output restrictions. Furthermore, during emergencies the system can shift safely and instantaneously from gas mode back to diesel mode.

• Can operate with natural gas in any region

Through real-time analysis of cylinder internal pressure together with high-speed control, this system avoids abnormal combustion (knocking) even when running on natural gases with a low methane number. Offering superior combustion stability, this engine can operate with natural gas in any region and with no output restrictions.

NEW TECHNOLOGY
YANMAR SOLUTION

Marine spring vibration isolating system



Latest system to help comfort and reduce maintenance

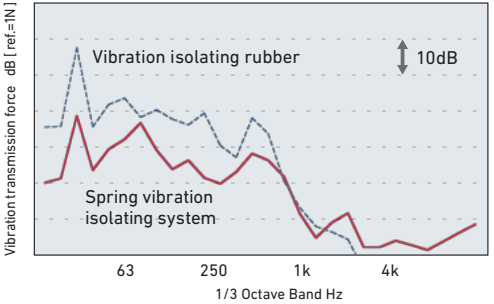
In YANMAR, utilizing the technology accumulated over many years in vibration isolating rubber for marine engines and metal spring vibration isolating system for land engines, we have developed a marine metal spring isolation system with support of Japan Railway Construction, Transport and Technology Agency.
It realizes more excellent vibration proofing effect and maintenance-free than rubber. And it helps comfortable shipboard environment and low cost.

Ministry of Land,Infrastrure,Trnsport and Tourism approval
Acquisition of certificate by Nippon Kaiji Kyokai Association

• Reduce vibration noise inside ship

The vibration noise mainly in the low frequency band was difficult to reduce until now. However, we can drastically reduce it by the metal spring with high quality vibration damping performance. We will contribute to further improvement of the shipboard environment.

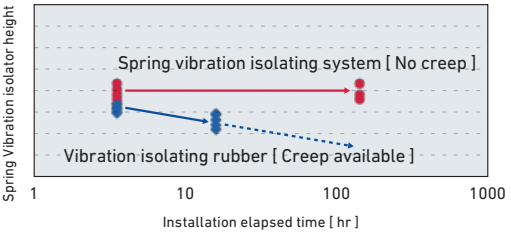
◎ Isolation performance



• Maintenance-free

There is no creep phenomenon in the metallic spring vibration isolating system, so it is almost unnecessary to replace and maintenance, and contributes to cost reduction.

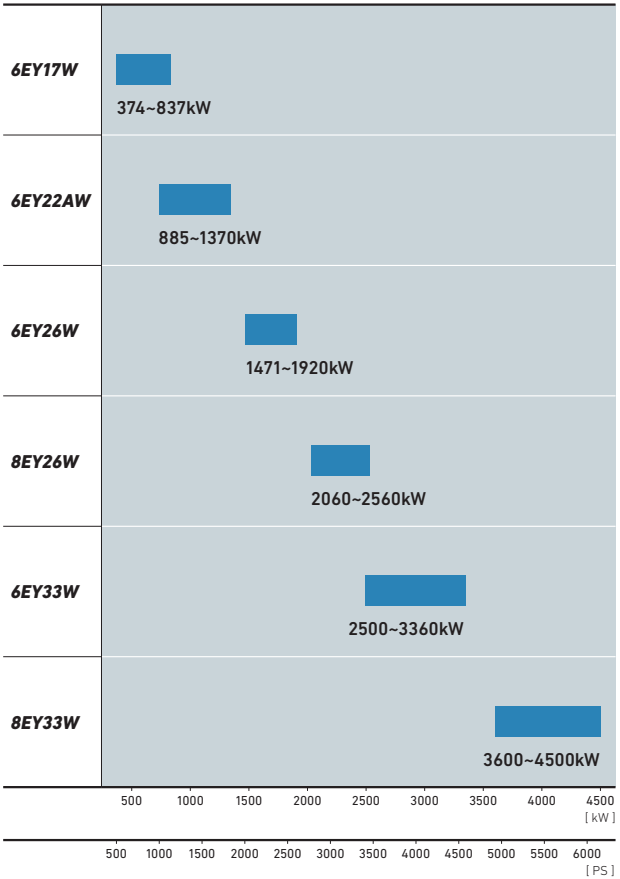
◎ Creep characteristics



MARINE PROPULSION

DIESEL ENGINE LINE-UP

Power Range



6EY17W

Power Range 374~837kW

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 170mm
• Piston Stroke : 230mm • Mean Effective Pressure : 1.06-2.21MPa
• Piston Speed : 10.35 / 11.12m/s

Rated Output

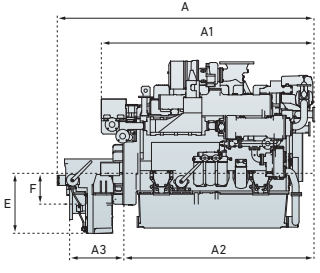
Engine Model	6EY17W				
Continuous Rated Output kW[PS]	374 [508]	480 [653]	590 [802]	749 [1018]	837 [1138]
Rated Engine Speed min^{-1}	1350			1400	1450
Engine Dry Weight kg	3880				

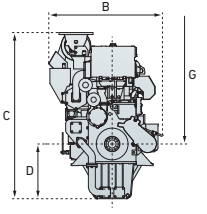
Standard Marine Gear

Propeller Type		for F.P.P.
Marine Gear Model	Offset	YXH-500
		YXH-500L
Reduction Gear Ratio [Ahead]	Offset	2.53, 3.04, 3.48
		3.57, 4.07, 4.48, 4.96
Marine Gear Dry Weight kg	Offset	700
		1667

Dimensions [mm] / Weights [kg]

Engine Model	Marine Gear	A	A1	A2	A3	B	C	D	E	F	G	Total Dry Weight with Marine Gear
6EY17W 374kW 480kW 590kW	YXH-500	2908	2410	2154	615	1305	1813	620	682	349	1300	4580
	YXH-500L	3091	2410	2154	794	1305	1813	620	862	429	1300	5547
6EY17W 749kW 837kW	YXH-500	2908	2410	2154	615	1305	1882	620	682	349	1300	4580
	YXH-500L	3091	2410	2154	794	1305	1882	620	862	429	1300	5547





G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY22AW

Power Range 885~1370kW

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 220mm
• Piston Stroke : 320mm • Mean Effective Pressure : 1.62-2.50MPa
• Piston Speed : 9.60m/s

Rated Output

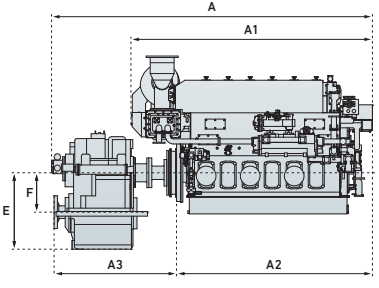
Engine Model	6EY22AW				
Continuous Rated Output kW[PS]	885 [1203]	1030 [1400]	1180 [1604]	1330 [1808]	1370 [1863]
Rated Engine Speed min^{-1}	900				
Engine Dry Weight kg	10000				

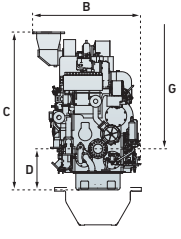
Standard Marine Gear

Propeller Type		for F.P.P.	
Marine Gear Model	Offset	YX-1000	YXH-2000
	Co-Axial	YX-1000C	YXH-2000C
Reduction Gear Ratio [Ahead]	Offset	2.03, 2.36, 2.78, 3.32	2.23, 2.58, 2.79, 3.03
	Co-Axial	2.03, 2.36, 2.78, 3.32	2.23, 2.58, 2.79, 3.03
Marine Gear Dry Weight kg	Offset	2400	4750
	Co-Axial	2565	5050

Dimensions [mm] / Weights [kg]

Engine Model	Marine Gear	A	A1	A2	A3	B	C	D	E	F	G	Total Dry Weight with Marine Gear
6EY22AW 885kW	YX-1000	4574	3647	2965	1488	1618	2416	666	885	435	1922	12505
	YX-1000C	4687	3647	2965	1601	1618	2416	666	450	-	1922	12670
6EY22AW 1030kW	YX-1000	4603	3647	2965	1517	1618	2416	666	885	435	1922	12556
	YX-1000C	4636	3647	2965	1550	1618	2416	666	450	-	1922	12721
6EY22AW 1180kW 1330kW 1370kW	YXH-2000	4810	3647	2965	1807	1618	2416	666	1145	590	1922	14861
	YXH-2000C	4960	3647	2965	1957	1618	2416	666	555	-	1922	15161





G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY26W

Power Range 1471~1920kW

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 260mm
- Piston Stroke : 385mm
- Mean Effective Pressure : 1.92-2.50MPa
- Piston Speed : 9.63m/s

Rated Output

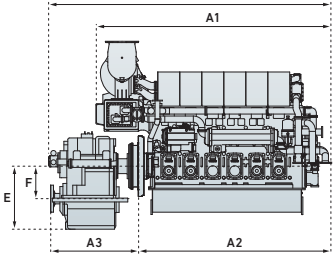
Engine Model	6EY26W		
Continuous Rated Output kW[PS]	1471 [2000]	1620 [2203]	1920 [2610]
Rated Engine Speed min-1	750		
Engine Dry Weight kg	18500		

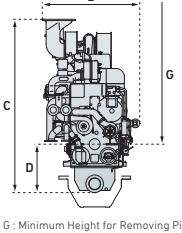
Standard Marine Gear

Propeller Type		for C.P.P.	for F.P.P.	for C.P.P.	for F.P.P.	for C.P.P.	for F.P.P.
Marine Gear Model	Offset	YXH-2000M	YXH-2000	YXH-2500M	YXH-2500	YXH-2500M	YXH-2500
	Co-Axial	YXH-2000MC	YXH-2000C	YXH-2500MC	YXH-2500C	YXH-2500MC	YXH-2500C
Reduction Gear Ratio [Ahead]	Offset	2.23, 2.58, 2.79, 3.03					
	Co-Axial	2.23, 2.58, 2.79, 3.03					
Marine Gear Dry Weight kg	Offset	3900	4750	3950	4800	3950	4800
	Co-Axial	4300	5050	4400	5150	4400	5150

Dimensions [mm] / Weights [kg]

Engine Model	Marine Gear	A	A1	A2	A3	B	C	D	E	F	G	Total Dry Weight with Marine Gear
6EY26W 1471kW	YXH-2000M	5702	4271	3563	1882	1804	3112	842	1145	590	1900	22549
	YXH-2000MC	5880	4271	3563	2322	1804	3112	842	555	-	1900	22949
	YXH-2000	5483	4271	3563	1882	1804	3112	842	1145	590	1900	23349
	YXH-2000C	5601	4271	3563	2070	1804	3112	842	555	-	1900	23649
6EY26W 1620kW 1920kW	YXH-2500M	5710	4271	3563	1890	1804	3112	842	1145	590	1900	22640
	YXH-2500MC	5880	4271	3563	2320	1804	3112	842	555	-	1900	23090
	YXH-2500	5491	4271	3563	1890	1804	3112	842	1145	590	1900	23490
	YXH-2500C	5601	4271	3563	2070	1804	3112	842	555	-	1900	23840





G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

8EY26W

Power Range 2060~2560kW

Main Data

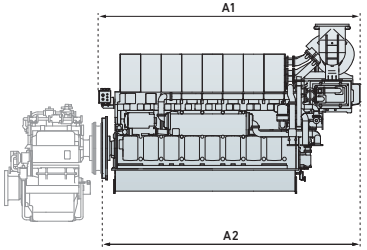
- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 8
- Cylinder Bore : 260mm
- Piston Stroke : 385mm
- Mean Effective Pressure : 2.02-2.50 MPa
- Piston Speed : 9.63m/s

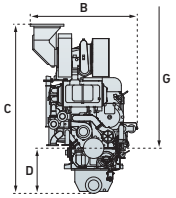
Rated Output

Engine Model	8EY26W			
Continuous Rated Output kW[PS]	2060 [2801]	2210 [3005]	2360 [3209]	2560 [3481]
Rated Engine Speed min-1	750			
Engine Dry Weight kg	24500			

Dimensions [mm] / Weights [kg]

Engine Model	A	A1	A2	A3	B	C	D	E	F	G
8EY26W 2060kW 2210kW 2360kW 2560kW	-	5090	5022	-	2085	3257	842	-	-	1900





G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY33W

Power Range 2500~3360kW

Main Data

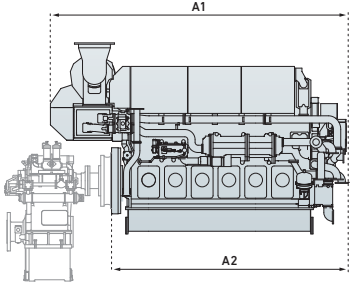
- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 330mm
- Piston Stroke : 440mm
- Mean Effective Pressure : 1.77-2.38MPa
- Piston Speed : 11.00m/s

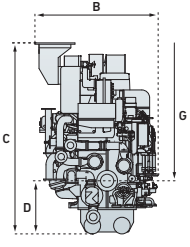
Rated Output

Engine Model	6EY33W			
Continuous Rated Output kW[PS]	2500 [3399]	2750 [3739]	3100 [4215]	3360 [4568]
Rated Engine Speed min^{-1}	750			
Engine Dry Weight kg	38800			

Dimensions [mm] / Weights [kg]

Engine Model	A	A1	A2	A3	B	C	D	E	F	G
6EY33W 2500kW 2750kW 3100kW 3360kW	-	5700	4520	-	2335	3695	1025	-	-	2372





G : Minimum Height for Removing Piston

8EY33W

Power Range 3600~4500kW

Main Data

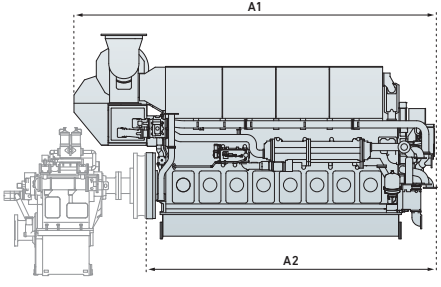
- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 8
- Cylinder Bore : 330mm
- Piston Stroke : 440mm
- Mean Effective Pressure : 1.91-2.39MPa
- Piston Speed : 11.00m/s

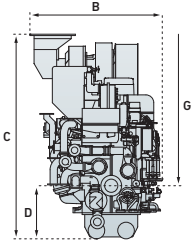
Rated Output

Engine Model	8EY33W		
Continuous Rated Output kW[PS]	3600 [4895]	4000 [5438]	4500 [6118]
Rated Engine Speed min^{-1}	750		
Engine Dry Weight kg	50200		

Dimensions [mm] / Weights [kg]

Engine Model	A	A1	A2	A3	B	C	D	E	F	G
8EY33W 3600kW 4000kW 4500kW	-	7125	5585	-	2555	4040	1025	-	-	2372





G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6N21AW

Power Range 662~956kW

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 210mm
- Piston Stroke : 290mm
- Mean Effective Pressure : 1.65-2.24MPa
- Piston Speed : 7.73 / 8.22m/s

Rated Output

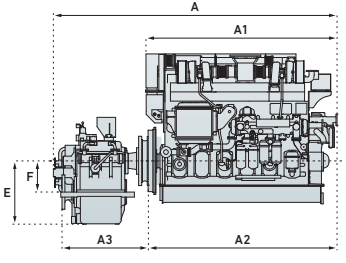
Engine Model	6N21A-DW	6N21A-UW	6N21A-SW	6N21A-EW
Continuous Rated Output kW[PS]	662 [900]	736 [1000]	883 [1200]	956 [1300]
Rated Engine Speed min-1	800		850	
Engine Dry Weight kg	8000			

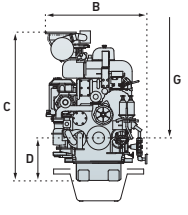
Standard Marine Gear

Propeller Type		for F.P.P.	
Marine Gear Model	Offset	Y-850	YX-1000
	Co-Axial	YC-850	YX-1000C
Reduction Gear Ratio [Ahead]	Offset	1.84, 2.07, 2.35, 2.68	2.03, 2.36, 2.78, 3.32
	Co-Axial	1.84, 2.07, 2.35, 2.68	2.03, 2.36, 2.78, 3.32
Marine Gear Dry Weight kg	Offset	2050	2400
	Co-Axial	2150	2565

Dimensions [mm] / Weights [kg]

Engine Model	Marine Gear	A	A1	A2	A3	B	C	D	E	F	G	Total Dry Weight with Marine Gear
6N21A-DW 662kW	Y-850	3920	2776	2733	1158	1420	2081	601	814	359	1802	10128
	YC-850	4051	2776	2733	1289	1420	2081	601	455	-	1802	10228
6N21A-UW 736kW	YX-1000	4053	2776	2733	1199	1420	2081	601	885	435	1802	10478
	YX-1000C	4086	2776	2733	1232	1420	2081	601	450	-	1802	10643
6N21A-SW 883kW	YX-1000	4059	2776	2733	1205	1420	2081	601	885	435	1802	10494
6N21A-EW 956kW	YX-1000C	4092	2776	2733	1238	1420	2081	601	450	-	1802	10659





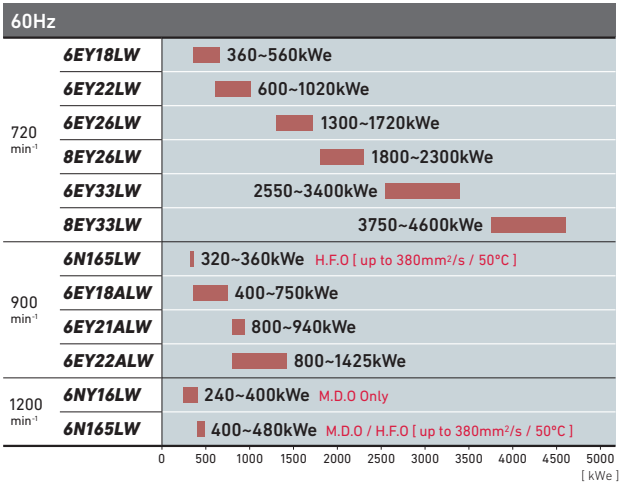
G : Minimum Height for Removing Piston

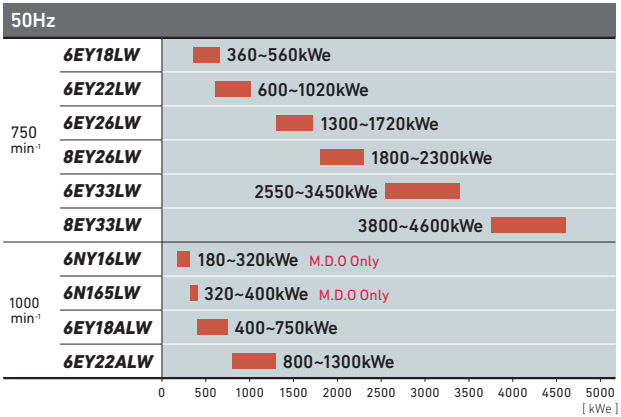
Notes

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

MARINE AUXILIARY
DIESEL ENGINE LINE-UP

Generator Capacity





Fuel Oil : M.D.O / H.F.O (up to 700mm²/s / 50°C)

6NY16LW

Generator Capacity **180~400kWe**

Main Data

- Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 160mm
- Piston Stroke : 200mm • Engine Speed : 1000 / 1200min^{-1}
- Mean Effective Pressure : 1.00-1.83MPa • Piston Speed : 6.7 / 8.0m/s

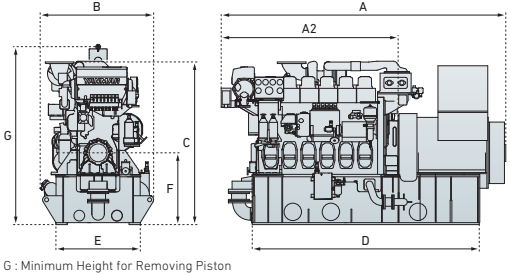
Rated Output

Engine Model	60Hz		50Hz	
	1200min^{-1}		1000min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6NY16L-HW	265 (360)	240	200 (272)	180
6NY16L-DW	310 (421)	280	245 (333)	220
6NY16L-UW	355 (483)	320	270 (367)	240
6NY16L-SW	400 (544)	360	310 (421)	280
6NY16L-EW	441 (600)	400	353 (480)	320

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6NY16L-HW	200/265kW	3097	1972	1265	1813	2530	940	800	1983	2880	5870
6NY16L-DW	245/310kW	3097	1972	1265	1813	2530	940	800	1983	2880	5870
6NY16L-UW	270/355kW	3117	1972	1265	1813	2530	940	800	1983	2880	5870
6NY16L-SW	310/400kW	3112	1972	1265	1813	2530	940	800	1983	2880	5870
6NY16L-EW	353/441kW	3172	1972	1265	1813	2530	940	800	1983	2880	5870



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6N165LW

Generator Capacity **320~480kWe**

Main Data

- Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 165mm
- Piston Stroke : 232mm • Engine Speed : 900 / 1000 / 1200min^{-1}
- Mean Effective Pressure : 1.42-1.78MPa • Piston Speed : 7.0 / 7.7 / 9.3m/s

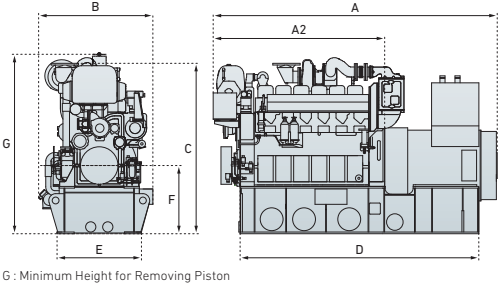
Rated Output

Engine Model	60Hz		50Hz	
	900min^{-1}		1000min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6N165L-UW	-	-	353 (480)	320
6N165L-SW	353 (480)	320	397 (540)	360
6N165L-EW	397 (540)	360	441 (600)	400
	1200min^{-1}			
	Eng [kW (PS)]	Gen [kWe]		
6N165L-UW	441 (600)	400		
6N165L-SW	485 (660)	450		
6N165L-EW	530 (720)	480		

Above generator capacity will vary according to actual generator efficiency.
- 900min^{-1}: for HFO Application Only.
- 1000min^{-1}: for MDO Application Only.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6N165L-UW	353/441kW	3182	1982	1341	1999	2700	990	800	2105	4100	6410
6N165L-SW	353kW	3332	2012	1557	1999	2800	990	800	2105	4100	7160
	397/485kW	3332	2012	1341	1999	2800	990	800	2105	4100	7160
6N165L-EW	397kW	3332	2012	1557	1999	2800	990	800	2105	4100	7160
	441/530kW	3332	2012	1341	1999	2800	990	800	2105	4100	7160



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY18[A]LW

Generator Capacity **360~750kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 180mm
- Piston Stroke : 280mm
- Engine Speed : 720 / 750, 900 / 1000 min^{-1}
- Mean Effective Pressure : 1.28-2.50MPa
- Piston Speed : 6.7 / 7.0 / 8.4 / 9.3m/s

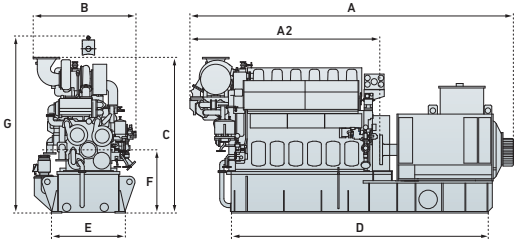
Rated Output

Engine Model	60Hz		50Hz	
	720min^{-1}		750min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY18LW	400 (544)	360	400 (544)	360
	450 (612)	400	450 (612)	400
	500 (680)	450	500 (680)	450
	550 (748)	500	550 (748)	500
	615 (836)	560	615 (836)	560
	900min^{-1}		1000min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY18ALW	455 (619)	400	455 (619)	400
	500 (680)	450	500 (680)	450
	550 (748)	500	550 (748)	500
	615 (836)	560	615 (836)	560
	660 (897)	600	660 (897)	600
	680 (925)	620	680 (925)	620
	745 (1013)	680	745 (1013)	680
	800 (1088)	750	800 (1088)	750

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6EY18LW	400~615kW	4441	2751	1493	2255	3620	1070	915	2564	6600	11200
6EY18ALW	455~615kW	4391	2751	1489	2255	3620	1070	915	2564	6600	11200
	660~800kW	4680	2751	1489	2255	3720	1070	915	2564	6600	12100



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY21ALW

Generator Capacity **800~940kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 210mm
- Piston Stroke : 290mm
- Engine Speed : 900min^{-1}
- Mean Effective Pressure : 1.948-2.257MPa
- Piston Speed : 8.70m/s

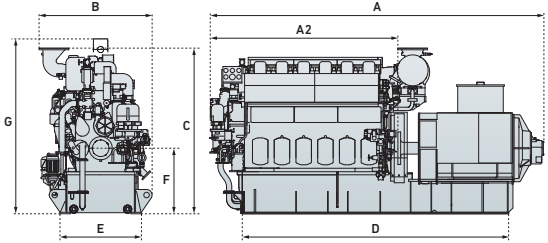
Rated Output

Engine Model	60Hz	
	900min^{-1}	
	Eng [kW (PS)]	Gen [kWe]
6EY21ALW	880 (1197)	800
	970 (1319)	900
	1020 (1387)	940

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6EY21ALW	880~1020kW	4845	2730	1618	2602	3860	1180	950	2752	8800	16000



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY22[A]LW

Generator Capacity 600~1425kWe

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 220mm
• Piston Stroke : 320mm • Engine Speed : 720 / 750, 900 / 1000min^{-1}
• Mean Effective Pressure : 1.45-2.50MPa • Piston Speed : 7.7 / 8.0 / 9.6 / 10.7m/s

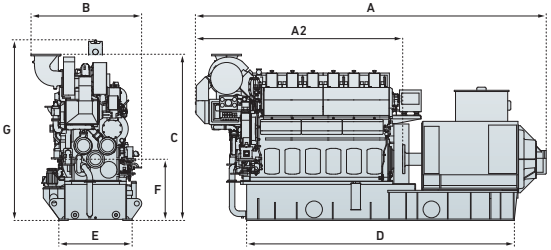
Rated Output

Engine Model	60Hz		50Hz	
	720min^{-1}		750min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY22LW	660 (897)	600	660 (897)	600
	745 (1013)	680	745 (1013)	680
	800 (1088)	740	800 (1088)	740
	880 (1197)	800	880 (1197)	800
	970 (1319)	900	970 (1319)	900
	1080 (1468)	1020	1080 (1468)	1020
	900min^{-1}		1000min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY22ALW	880 (1197)	800	880 (1197)	800
	970 (1319)	900	970 (1319)	900
	1020 (1387)	950	1020 (1387)	950
	1100 (1496)	1000	1100 (1496)	1000
	1180 (1604)	1100	1180 (1604)	1100
	1300 (1768)	1200	1300 (1768)	1200
	1370 (1863)	1300	1370 (1863)	1300
	1500 (2039)	1425	-	-

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6EY22LW	660~1080kW	5452	3337	1678	2630	4120	1180	985	2907	11200	18500
6EY22ALW	880~1370kW	5647	3337	1782	2675	4310	1180	985	2907	10500	18100



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY26LW

Generator Capacity 1300~1720kWe

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 260mm
• Piston Stroke : 385mm • Engine Speed : 720 / 750min^{-1}
• Mean Effective Pressure : 1.83-2.50MPa • Piston Speed : 9.2 / 9.6m/s

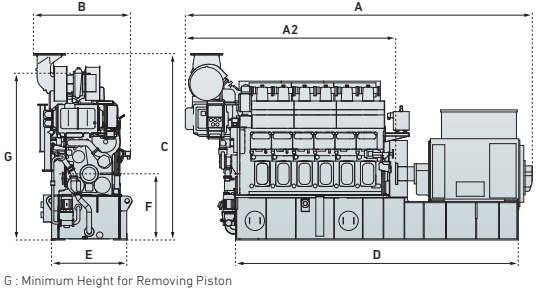
Rated Output

Engine Model	60Hz		50Hz	
	720min^{-1}		750min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY26LW	1400 (1903)	1300	1400 (1903)	1300
	1620 (2203)	1500	1620 (2203)	1500
	1730 (2352)	1600	1730 (2352)	1600
	1840 (2502)	1720	1840 (2502)	1720

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6EY26LW	1400~1620kW	6474	3974	1847	3520	5270	1420	1250	3150	18500	29800
	1730~1840kW	6774	3974	1847	3520	5270	1420	1250	3150	18500	30600



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

8EY26LW

Generator Capacity **1800~2300kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 8
- Cylinder Bore : 260mm
- Piston Stroke : 385mm
- Engine Speed : 720 / 750min-1
- Mean Effective Pressure : 1.86-2.50MPa
- Piston Speed : 9.2 / 9.6m/s

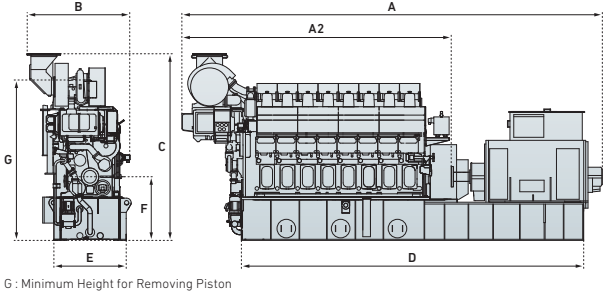
Rated Output

Engine Model	60Hz		50Hz	
	720min-1		750min-1	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
8EY26LW	1900 (2583)	1800	1900 (2583)	1800
	2030 (2760)	1900	2030 (2760)	1900
	2130 (2896)	2000	2130 (2896)	2000
	2245 (3052)	2100	2245 (3052)	2100
	2450 (3331)	2300	2450 (3331)	2300

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
8EY26LW	1900~2130kW	8258	5290	2030	3665	6720	1420	1250	3150	24500	40000
	2245kW	8358	5290	2030	3665	6800	1420	1250	3150	24500	40200
	2450kW	8418	5290	2030	3665	6840	1420	1250	3150	24500	45000



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6EY33LW

Generator Capacity **2550~3400kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 6
- Cylinder Bore : 330mm
- Piston Stroke : 440mm
- Engine Speed : 720 / 750min-1
- Mean Effective Pressure : 1.77-2.66MPa
- Piston Speed : 10.56 / 11.00m/s

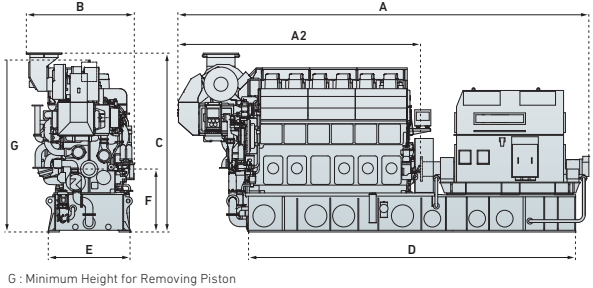
Rated Output

Engine Model	60Hz		50Hz	
	720min-1		750min-1	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6EY33LW	2750 (3739)	2550	2750 (3739)	2550
	3000 (4079)	2800	3000 (4079)	2800
	3360 (4568)	3200	3360 (4568)	3200
	3600 (4895)	3450	3600 (4895)	3450

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6EY33LW	2400~3600kW	8950	5280	2355	3895	7130	1780	1370	3742	38500	63000



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

8EY33LW

Generator Capacity **3750~4600kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 8
- Cylinder Bore : 330mm
- Piston Stroke : 440mm
- Engine Speed : 720 / 750min^{-1}
- Mean Effective Pressure : 2.21-2.66MPa
- Piston Speed : 10.56 / 11.00m/s

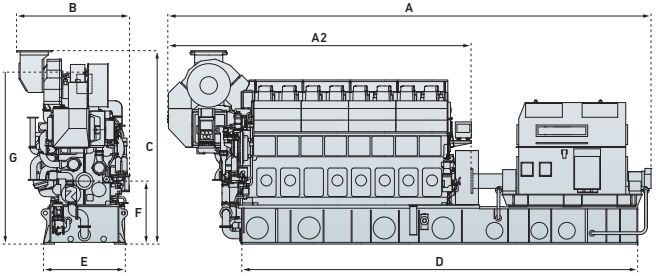
Rated Output

Engine Model	60Hz		50Hz	
	720min^{-1}		750min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
8EY33LW	4000 (5438)	3800	4000 (5438)	3800
	4500 (6118)	4300	4500 (6118)	4300
	4800 (6526)	4600	4800 (6526)	4600

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model	A	A2	B	C	D	E	F	G	Dry Weight	
									Engine	Gen.Set
8EY33LW 4000~4800kW	10640	6655	2555	4470	7950	1780	1620	3992	50900	90200



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

4HAL2

Generator Capacity **64~120kWe**

Main Data

- Type : 4-stroke, Diesel
- No. of Cylinders : In-line 4
- Cylinder Bore : 130mm
- Piston Stroke : 165mm
- Engine Speed : 1200 / 1500 / 1800min^{-1}
- Mean Effective Pressure : 0.81-1.05MPa
- Piston Speed : 6.6 / 8.3 / 9.9m/s

Rated Output

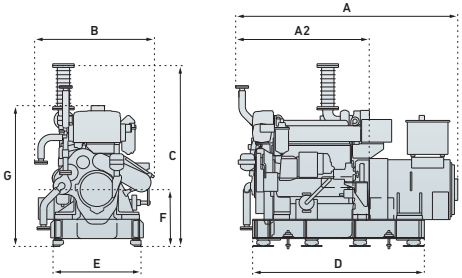
Engine Model	60Hz		50Hz	
	1200min^{-1}		1500min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
4HAL2-TN1	72 (98)	64	89 (121)	80
4HAL2-TN	90 (122)	80	115 (156)	100
4HAL2-WT	-	-	-	-

	1800min^{-1}	
	Eng [kW (PS)]	Gen [kWe]
4HAL2-TN1	116 (157)	104
4HAL2-TN	-	-
4HAL2-WT	135 (183)	120

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model	A	A2	B	C	D	E	F	G	Dry Weight	
									Engine	Gen.Set
4HAL2-TN1 72~116kW	2070	1245	1117	1685	1600	820	529	1312	1030	1855
4HAL2-TN 90~115kW	2070	1245	1117	1685	1600	820	529	1312	1030	1855
4HAL2-WT 135kW	2070	1245	1117	1685	1600	820	529	1312	1030	1855



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6HAL2

Generator Capacity 80~280kWe

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 130mm
• Piston Stroke : 165mm • Engine Speed : 1200 / 1500 / 1800min^{-1}
• Mean Effective Pressure : 0.68-1.55MPa • Piston Speed : 6.6 / 8.3 / 9.9m/s

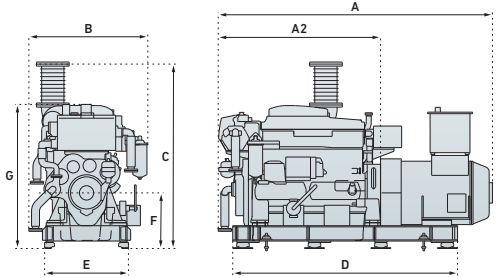
Rated Output

Engine Model	60Hz		50Hz	
	1200min^{-1}		1500min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6HAL2-N	90 (122)	80	115 (156)	100
6HAL2-TN	120 (163)	104	-	-
6HAL2-WT	-	-	150 (204)	136
6HAL2-WHT	160 (217)	144	220 (299)	200
6HAL2-WDT	200 (271)	180	255 (346)	232
	1800min^{-1}			
	Eng [kW (PS)]	Gen [kWe]		
6HAL2-N	-	-		
6HAL2-TN	-	-		
6HAL2-WT	180 (244)	160		
6HAL2-WHT	265 (360)	240		
6HAL2-WDT	305 (414)	280		

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6HAL2-N	90~115kW	2499	1589	1164	1654	2100	820	544	1327	1380	2360
6HAL2-TN	120kW	2499	1589	1164	1774	2100	820	544	1327	1422	2410
6HAL2-WT	150~180kW	2499	1589	1164	1774	2100	820	544	1327	1422	2410
6HAL2-WHT	160~265kW	2574	1589	1164	1804	2200	820	544	1327	1437	2750
6HAL2-WDT	200~305kW	2684	1589	1164	1804	2200	820	544	1327	1447	2850



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

6AYL

Generator Capacity 320~450kWe [IMO TierⅢ]

Main Data

• Type : 4-stroke, Diesel • No. of Cylinders : In-line 6 • Cylinder Bore : 155mm
• Piston Stroke : 180mm • Engine Speed : 1500 / 1800min^{-1}
• Mean Effective Pressure : 1.15-1.72MPa • Piston Speed : 9.0 / 10.8m/s

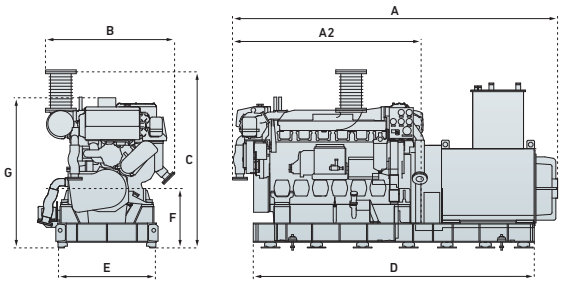
Rated Output

Engine Model	60Hz		50Hz	
	1800min^{-1}		1500min^{-1}	
	Eng [kW (PS)]	Gen [kWe]	Eng [kW (PS)]	Gen [kWe]
6AYL-WST	353 (480)	320	-	-
6AYL-WET	491 (668)	450	438 (596)	400

Above generator capacity will vary according to actual generator efficiency.

Dimensions [mm] / Weights [kg]

Engine Model		A	A2	B	C	D	E	F	G	Dry Weight	
										Engine	Gen.Set
6AYL-WST	353kW	2970	1860	1445	1836	2540	1030	619	1565	2475	4600
6AYL-WET	438~491kW	3040	1860	1445	1836	2600	1030	619	1565	2475	4750



G : Minimum Height for Removing Piston

The engine dry weight and outline may differ depending upon the specifications and attached accessories.

POWER SOLUTION BUSINESS AMAGASAKI FACTORY

Amagasaki factory started in 1936 as world's first factory to produce small sized diesel engines. Today, the factory mass produces large-sized diesel engines for marine and generator use, and also produces diesel and gas engines for land use and general power source. From 1983, the factory also produces gas turbines, and continues to produce high quality products ever since.

• Highly quality and efficient production system

Amagasaki factory uses its unique, high performance devices and advanced machines for automatic and laborsaving operation. Furthermore, a suitable order-entry system matching each product is applied and controlled with an accurate quality management system. Therefore, we are able to produce highly reliable products to customers. YANMAR is the only company that produces the entire engine integrally within one factory.

• Research and development with advanced technology

YANMAR continues to research and develop environmental-friendly technology in a higher degree, such as developing cleaner emission gas, low fuel consumption, and less vibration and noise, based on our unique engine technology.

• Internationally Certified Quality Control and Environmental Response

In July 1992, Power Solution Business was certified under ISO 9001*1 by a certification authority in England, Lloyd's Register Quality Assurance Limited (LRQA). Responding swiftly to environmental issues, in June 1996 Amagasaki factory became one of the first land-use and marine diesel engine manufacturing facilities to be ISO 14001*2 certified. Furthermore, YANMAR instantaneously attained the International Maritime Organization (IMO) Tier II and III certification for the regulation of NOx emission levels. YANMAR maintains an internationally acclaimed reputation for leading edge technology that has environmental conservation at its forefront.

*1) ISO 9001:
International Quality Control System Standard of the International Standardization Organization,
(Certification No. 912208)

*2) ISO 14001:
International Environmental Management System Standard of the International Standardization Organization,
(Certification No. 770250)

• Certified by various ship classification societies

The Amagasaki factory has been certified by the world's 10 major ship classification societies. Its voluntary inspection program was certified by the 10 ship classification societies for the first time in the world.

NK : Nippon Kaiji Kyokai
ABS : American Bureau of Shipping
BV : Bureau Veritas
CCS : China Classification Society
DNVGL
IRS : Indian Register of Shipping
KR : Korean Register of Shipping
LR : Lloyd's Register of Shipping
RINA : Registro Italiano Navale
RS : Russian Maritime Register of Shipping

Certifications of 10 major shipping classification societies.

WORLDWIDE SERVICE NETWORK

HEAD OFFICE / PLANT

JAPAN COUNTRY CODE " 81 "

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530-8311, Japan
WEB: **yanmar.com**

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1-1-1, Nagasu Higashidori, Amagasaki,
Hyogo, 660-8585, Japan

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FAX: 6-6489-1082

• QUALITY ASSURANCE DIVISION.
TEL: 6-6489-8017
FAX: 6-6489-4009

● YANMAR ENGINEERING CO., LTD.

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Hyogo, 660-8585, Japan
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FAX: 6-6489-8075
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• OVERSEAS ENGINEERING DIVISION.
TEL: 6-6489-8048
FAX: 6-6481-6101

EUROPE

NETHERLANDS COUNTRY CODE " 31 "

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The Netherlands
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FAX: 36-5493209
WEB: **yanmar.eu/**

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Algerastraat 20, 3125 BS Schiedam,
The Netherlands
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FAX: 10-2380990
E-MAIL: shiprepair@nicoverken.nl
WEB: **www.nicoverken.nl**

● FUJI TRADING (MARINE) B.V.
Kortenoord 2-8 3087 AR Rotterdam,
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FAX: 10-429-5227

NORWAY COUNTRY CODE " 47 "

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SKEDSMOKORSET, Norway
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EMERGENCY PHONE: 4040-1621
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GREECE COUNTRY CODE " 30 "

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5th FL.,130 Sygrou Avenue.,
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TEL: 210-922-2481
FAX: 210-922-2484
E-MAIL: yanmargr@tee.gr
yanmar@weboffice.gr

GERMANY COUNTRY CODE " 49 "

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  Herman-Blohm-Strasse 1 D-20457
  Hamburg, Germany
  TEL: 40-3177100
  FAX: 40-311598

ICELAND COUNTRY CODE " 354 "

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  210 Garðabaer, Iceland
  TEL: 555-6444
  FAX: +364 565-7230
  E-MAIL: maras@maras.is
  WEB: **www.maras.is**

U.K. COUNTRY CODE " 44 "

- **ROYSTON LIMITED**
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  Wincomblee Road NE6 3PF,
  Newcastle upon Tyne, UK
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  E-MAIL: chris.hails@royston.co.uk
  WEB: **www.royston.co.uk**

FRANCE COUNTRY CODE " 33 "

- **ITOCHU FRANCE S.A.S**
  33, Avenue du Maine, Cedex 15, 75755,
  Paris,France
  TEL: 01-4538-3534
  E-MAIL: giro@itochu.fr
  WEB: **www.itochu.eu.com**

SPAIN COUNTRY CODE " 34 "

- **SKANDIAVERKEN, S.L.**
  Pol. Torrelarragoiti Parcela P7M,
  Pabellón 1 y 2,
  48170 Zamudio Bizkaia Spain
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  FAX: 94-452-0510
  E-MAIL: skv@skvbermeo.com
  WEB: **www.skvgroup.es**

ITALY COUNTRY CODE " 39 "

- **NAVALCANTIERI ITALIA SRL**
  Calata villa del popolo,
  Interno Porto 80133, Naples, Italy
  TEL: 081-267-729
  E-MAIL: navalcantieri@navalcantieri.org
  WEB: **www.navalcantieri.org**

POLAND COUNTRY CODE " 48 "

- **CASSIOPEIA LTD.**
  5A, Uczniowska Str. 70893,
  Szczecin, Poland
  TEL: 69-0902-662
  E-MAIL: info@cassiopeia-service.com
  WEB: **www.cassiopeia-service.com**

LITHUANIA COUNTRY CODE " 370 "

- **GARANT SERVICE**
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  FAX: 46-344-456
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  WEB: **www.garantservice.lt**

RUSSIA COUNTRY CODE " 7 "

- **ELITE INTERCONTINENTAL SHIPPING**
  1 Gapsalskaya 709, Area Code
  198035,St.Petersburg, Russia
  TEL: 911-916-9495(24/7)
  812-680-1713
  FAX: 812-680-1702
  E-MAIL: yanmar@elit-engine.ru
  WEB: **www.elit-engine.ru**

UKLAINE COUNTRY CODE " 380 "

- **ELECTRIC ENGINEERING LTD.**
  P.O. Box 583 68000, Ilyichevsk,
  Ukraine
  TEL: 67-5180-487
  E-MAIL: vab@eleng.biz
  WEB: **www.eleng.biz**

TURKEY COUNTRY CODE " 90 "

- **SAKURA MARINE DENIZ ENDÜSTRISI VE DIŞ TIC.LTD.ŞTI.**
  Istanbul Deri OSB, Kazlıçeşme Cad.
  No.22 X-5 Tuzla, Istanbul, Türkiye
  TEL: 21-6494-4923
  E-MAIL: info@sakura-marine.com
  WEB: **www.sakura-marine.com**

AFRICA

NAMIBIA COUNTRY CODE " 264 "

- **NAMIBDIESEL CC**
  28, 2nd Street East Walvis Bay, Namibia
  TEL: 064-203-971
  E-MAIL: info@namibdiesel.com.na
  WEB: **www.namibdiesel.com.na**

SOUTH AFRICA COUNTRY CODE " 27 "

- **SEASCAPE MARINE SERVICES (PTY) LTD.**
  124 Service Road Marine Drive Paarden
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  TEL: 21-511-8201
  FAX: 21-510-6947
  E-MAIL: info@seascapemarine.co.za
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SEYCHELLES COUNTRY CODE " 248 "

- **POWER MARINE & ACCESSORIES**
  Corner of Avenue De Diolinda
  and Rue De Quinssy Providence
  Industrial Estate, Mahe, Seychelles
  Tel: 460-1005
  E-MAIL: john.vidot@pmaseychelles.com

MAURITIUS COUNTRY CODE " 230 "

- **CHANTIER NAVAL**
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  Port Louis, Rep. Of Mauritius
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MIDDLE EAST

U.A.E. COUNTRY CODE " 971 "

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  Dubai Airport Free Zone,
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  TEL: 4-341-8787
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  E-MAIL: ymrdubai@eim.ae
  ye_dubai@yanmar.com

- **ALBWARDY MARINE ENGINEERING (L.L.C)**
  Al Jadaf Ship Docking Yard
  P.O.Box 6515, Dubai, U.A.E.
  TEL: 4-324-1001, 324-1561
  FAX: 4-324-1005
  WEB: **www.albwardymarine.com**

- **GOLTENS CO. LTD. DUBAI BRANCH**
  Al Jadaf Ship Docking Yard
  P.O. Box 2811, Dubai, U.A.E.
  TEL: 4-324-1642
  FAX: 4-324-1963
  WEB: **www.goltens.com**

- **AL-FUTTAIM AUTO & MACHINERY COMPANY (FAMCO)**
  Plot B-131, Al Ramoul-Rashidiya P O Box
  5502, Dubai, UAE
  TEL: 4-213-5100
  E-MAIL: famco@alfuttaim.com
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SAUDI ARABIA COUNTRY CODE " 966 "

- **ABDULLAH HASHIM CO.LTD- HEAD OFFICE**
  Al Madinaa Road, Al Bawadi P.O. Box 44
  TEL: 2-662-1500
  E-MAIL: info@ah-group.com
  WEB: **www.ahcl-machinery.com/**

ARAB REPUBLIC OF EGYPT COUNTRY CODE " 20 "

- **MAPSO MARINE PROPULSION & SUPPLY S.A.E.**
  44 Industrial Zone,
  Cairo/Ismailia Desert Road,
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- **MAPSO-ALEXANDRIA OFFICE**
  5 Ahmed Orabi Street Alexandria,
  Egypt
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  FAX: 3-487-3486

JORDAN COUNTRY CODE " 962 "

- **AL ZAMAN GROUP LLC**
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  TEL: 6-565-5261
  FAX: 6-565-5266

IRAN COUNTRY CODE " 98 "

- **SADAF KARAN BOUSHEHR CO.**
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QATAR COUNTRY CODE " 974 "

- **QATAR NAVIGATION QPSC**
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  TEL: 4-494-7000
  FAX: 4477-1687

ASIA

INDIA COUNTRY CODE " 91 "

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  707 REAL TECH PARK, SECTOR 30/A,
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  TEL: 22-2781-0975
  FAX: 22-3969-4410

- **IND-AUST MARITIME PVT LTD.**
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  Navi Mumbai 400 705, Maharashtra, India
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  FAX: 22-2789-2529
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MALDIVES COUNTRY CODE " 960 "

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  WEB: **mtcc.mv/**

SRI LANKA COUNTRY CODE " 94 "

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  TEL: 11-2-580017
  E-MAIL: info@senoksl.com
  WEB: **senoksl.com/**

CHINA COUNTRY CODE " 86 "

- **D YANMAR ENGINE (SHANGHAI) CO., LTD.**
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  Meng Zi Road, Shanghai, China 200023
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- **GOLTENS SHANGHAI CO., LTD**
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  Nanhui Industrial Zone,
  Nanhui District, Shanghai, China
  TEL: 21-58186628
  FAX: 021-58186633
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- **TIANJIN PORT TUG-BOAT & LIGHTER COMPANY / YANMAR ENGINE SERVICE CENTER**
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  FAX: 22-2570-7510

- **DALIAN WANFANG MARINE TECHNOLOGY CO., LTD**
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  Dalian High-Tech Industrial Zone,
  China
  TEL: 411-84799000
  FAX: 411-84795678
  E-MAIL: wf@china-wf.com

- **ZHOUSHAN IMC-YY SHIPYARD & ENGINEERING CO.,LTD.**
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  Putuo, Zhonshan, China, 316100
  TEL: 580-3696572
  FAX: 580-3690572
  E-MAIL: weilicheng@imc-yy.com
  WEB: **www.imc-yy.com**

SINGAPORE COUNTRY CODE " 65 "

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  TEL: 6595-4200
  FAX: 6862-5189
  WEB: **yanmar.com/sg/**

- **CHONG LEE LEONG SENG CO., (PTE) LTD.**
  23 Tuas Avenue 2,
  Singapore 639454
  TEL: 6264-2922
  FAX: 6861-8785

VIETNAM COUNTRY CODE " 84 "

- **F YANMAR ASIA (SINGAPORE) CORPORATION PTE LTD RESIDENT REPRESENTATIVE OFFICE HO CHI MINH CITY**
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  HCMC, Vietnam
  TEL: 8-3923-8063
  FAX: 8-3923-5602

- **HAI PHONG TRADING AND ENGINEERING SERVICES COMPANY LIMITED (HATESCO)**
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  An Hung Village - An Duong District -
  Hai Phong City, Vietnam
  TEL: 31-3504-117
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HONG KONG COUNTRY CODE " 852 "

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  King Yip Street Kwun Tong Kow loon
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  FAX: 2904-7783
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TAIWAN COUNTRY CODE " 886 "

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  Kaohsiung City 80672, Taiwan
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  FAX: 7-815-3280
  E-MAIL: yanmar-service@umail.hinet.net

- **e YANMAR ENGINEERING CO., LTD. TAIWAN BRANCH TAIPEI SATELLITE OFFICE**
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  Songshan Dist. Taipei City 104,
  Taiwan R.O.C.
  TEL: 2-8712-3150/3151
  FAX: 2-8712-3107
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- **YEE FOO MARINE INDUSTRIAL CO., LTD.**
  6F-3, No.369 Fusing North Road,Taipei,
  Taiwan R.O.C. 105
  TEL: 2-8712-0848
  FAX: 2-8712-0797

- **SEIKOH CO., LTD.**
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  Kaohsiung City 80672, Taiwan
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  FAX: 49-502-0765
  E-MAIL: seapowers@pldtdsl.net

- **PHILL_NIPPON KYOEI CORPORATION**
  S705 Royal Plaza Twin Towers 648
  Remedios St. Malate, Manila ,
  Philippines
  TEL: 400-9130
  FAX: 400-9130
  E-MAIL: inquiry@philnippon.com.ph

- **AVP MARINE AND INDUSTRIAL SERVICE INC.**
  3rd F AVJ Bldg SRP Road
  cor Cansojong St.
  Talisay City Cebu,
  Philippines 6045
  TEL: 32-462-2955
  E-MAIL: service.avmarine@avmes.com

- **AZUMI CORPORATION**
  The Venue Annex Bldg.,
  Unit A-201-205 Rizal Highway cor.
  Brilliant St., SBFZ, Philippines 2222
  TEL: 47-250-0806
  E-MAIL: fujii.subic@gmail.com

- **ALL CERTIFIED EQUIPMENT TRADING CORPORATION**
  905 Philam Homes EDSA, 1104 Quezon City,
  Philippines
  TEL: 2-622-3448
  E-MAIL: info@allcertifiedequipment.com
  WEB: **www.allcertifiedequipment.com/**

MONGOLIA COUNTRY CODE " 976 "

- **UNITRA CO., LTD.**
  273-Chinggis avenue Ulaanbaatar Capital,
  17010, Mongolia
  TEL: 11-31-1766
  E-MAIL: info@unitra.mn
  WEB: **unitra.mn/**

KOREA COUNTRY CODE " 82 "

- **HWA ILL TRADING CO., LTD.**
  #93, 2-GA, Namhang Dong,
  Young Do-Ku, Busan, Korea
  TEL: 51-412-6385
  FAX: 51-414-8752
  E-MAIL: hwaill@hwaill.co.kr

- **PLUS ENGINEERING CO.,LTD.**
  Room 3806, Centum Leaders
  Mark B/D, 1514 U-Dong,
  Haeundae-gu, Busan,
  612-889, Korea
  TEL: 51-745-8200~1
  FAX: 51-745-8203
  E-MAIL: plusbusan@gmail.com

- **CHIBA MARINE KOREA CO., LTD.**
  1-90, Chunghak-Dong,
  Yeongdo-gu,
  Busan, Korea
  TEL: 51-418-8998
  FAX: 51-418-5880
  E-MAIL: chibako@korea.co

BANGLADESH COUNTRY CODE " 880 "

- **TSI MARINE LIMITED**
  Makkah Madinah Trade Centre
  (15th Floor) , 78 , Agrabad C/A ,
  Chittagong
  TEL: 1711799692
  E-MAIL: tsimarineltd@gmail.com

MYANMAR COUNTRY CODE " 95 "

- **UMG MYANMAR**
  No.589, Bo Aung Kyaw Street,
  Yangon-Pathein Highway Road,
  Hlaing Thar Yar Township,
  Yangon, Myanmar
  TEL: 1-645178
  FAX: 1-645211
  E-MAIL: sale-div@winstrategic.com.mm

- **UNITED ENGINEERING CO., LTD**
  UE Office Complex
  UE Building : Corner of Wayzayantar
  & Yadanar Rd,Thingangyun Tsp,
  Yangon, Myanmar
  TEL: 1-571321
  FAX: 1-571288
  WEB: **www.united-engineering.net**

- **WATANA TRADING LTD**
  No.59 (A)Shwe Hintha Street 6 1/2 Mile,
  Pyay Road, Hlaing Township Yangon
  TEL: 1-526-130
  E-MAIL: wwtnmya@gmail.com
  WEB: **www.watana.org/**

MALAYSIA COUNTRY CODE " 60 "

- **PANSAR COMPANY., SDN BHD**
  Wisma Pansar 23-27 Workshop
  Road 96007 Sibu Sarawak, Malaysia
  TEL: 84-333366
  FAX: 84-314555

- **CHONG LEE LEONG SENG ENTERPRISE SDN BHD**
  Lot 530, Persiaran Subang Permai Sg.
  Penaga Industrial Park, USJ 1 47500
  Subang Jaya Selangor Darul Ehsan, Malaysia
  TEL: 3-5632-1577
  FAX: 3-5632-3126

INDONESIA COUNTRY CODE " 62 "

- **YANMAR JAKARTA SERVICE CENTER C/O P.T. PIONEER**
  Jalan Ir. H. Juanda, No.40-42 Jakarta 10120,
  Indonesia (P.O. Box 2502-Jakarta 10025)
  TEL: 21-385-8526
  FAX: 21-384-8995

- **P.T. PIONEER**
  Jalan Ir. H. Juanda, No.40-42 Jakarta 10120,
  Indonesia (P.O. Box 2502-Jakarta 10025)
  TEL: 21-344-8486
  FAX: 21-384-8995

THAILAND COUNTRY CODE " 66 "

- **STAR MARINE ENGINEERING CO., LTD**
  2 / 5 M11 Tumbol Bangphueng
  Phrapradaeng,
  Samutprakarn, Thailand 10130
  TEL: 2-816-8001
  FAX: 2-463-2616
  E-MAIL: info@starmarineeng.com

OCEANIA

AUSTRALIA COUNTRY CODE " 61 "

- **FOGACS CAIRNCROSS DOCKYARD PTY LTD.**
  Thynne Road, Morningside, Brisbane,
  Queensland, Australia 4170
  TEL: 7-322-70856
  FAX: 7-3399-6164

- **WATERSIDE ENGINEERING PTY LTD.**
  48-50 Export Drive, Brooklyn 3025,
  Victoria Australia
  TEL: 3-9314-3722
  FAX: 3-9314-3799
  E-MAIL: waterside@waterside-eng.com

- **JAITCO**
  10199 Kurraba Road, Neutral Bay,
  N.S.W. 2089, Australia
  TEL: +81-89-956-8927
  FAX: +81-89-956-8927

- **JAPAN MARINE ENGINEERING CO.,LTD**
  475 Warrigal Road Moorabbin
  Victoria Australia 3189
  TEL: 3-9555-5277
  FAX: 3-9555-5344
  E-MAIL: sales@jmeaust.com.au

- **POWER EQUIPMENT PTY LTD-HEAD OFFICE**
  10-12 Commercial Drive Lynbrook,
  VIC, 3975
  TEL: 3-9709-8500
  E-MAIL: info@powerequipment.com.au
  WEB: **www.powerequipment.com.au/**

NEW ZEALAND COUNTRY CODE " 64 "

- **POWER EQUIPMENT PTY LTD**
  10A Vega Place, Rosedale, Auckland, 0632
  TEL: 9-358-7478
  sales@powerequipment.co.nz
  parts@powerequipment.co.nz
  service@powerequipment.co.nz
  WEB: **www.powerequipment.co.nz/**

PAPUA NEW GUINEA COUNTRY CODE " 675 "

- **LUTHERAN SHIPPING**
  P.O. Box 1459
  Lae, Papua New Guinea
  TEL: 42-6190
  FAX: 42-5806
  TELEX: NE 44172

NORTH AMERICA

U.S.A. COUNTRY CODE " 1 "

- **YANMAR AMERICA CORP.**
  101 International Parkway,
  Adairsville, GA 30103, U.S.A.
  TEL: 770-877-9894
  FAX: 770-877-9009
  WEB: **yanmar.com/global/**

- **MARINE TURBO & DIESEL INC.**
  1090 7th Street Richmond,
  Ca 94801, U.S.A.
  TEL: 510-236-3525
  FAX: 519-236-3576

- **GOLTENS MIAMI CO. INC.**
  2323 N.E.Miami Court · Miami,
  Florida 33137 U.S.A.
  TEL: 305-576-4410
  FAX: 305-576-3827

- **TRANSMARINE PROPULSION SYSTEM, INC**
  5434 West Crenshaw Tampa,
  Florida, 33634 U.S.A.
  TEL: 813-830-9180
  FAX: 813-830-9181

- **BAY DIESEL & GENERATOR**
  3736 Cook Boulevard. Chesapeake,
  VA 23323-1604 U.S.A.
  TEL: 757-485-0075
  FAX: 757-485-0242

- **UNITED WORLD ENTERPRISE, INC**
  6310 Winfree Houston, Texas 77087 U.S.A.
  TEL: 713-641-1915
  FAX: 713-641-2717

- **GOLTENS HOUSTON INC**
  7214 Clinton Drive, Houston TX 77020 U.S.A.
  TEL: 713-487-4900
  FAX: 713-487-4904

SOUTH AMERICA

BRAZIL COUNTRY CODE " 55 "

- **YANMAR SOUTH AMERICA LTDA**
  Cond E Indaituba 4509 Mod 01/02
  Indaiatuba Rod SP73 13347-390
  TEL: 19-3801-9200
  FAX: 19-3834-4454
  WEB: **www.yanmar.com.br**

- **YANMAR SOUTH AMERICA MANAUS BRANCH**
  Rua Jonatas Pedrosa Numero 50
  Bairro Centro Manaus 69020-110
  TEL: 92-3347-9205

- **METALOCK BRASIL LTDA**
  Rua Visconde do Rio Branco 20/26,
  11013-030, Santos, SP, Brazil
  TEL: 13-3226-4686
  FAX: 13-3226-4680
  E-MAIL: santos@metalock.com.br
  WEB: **www.metalock.com.br**

- **MANUTENÇÃO E REPAROS DE MOTORES DIESEL (ROMAGA)**
  Rua Pedro Alves, 18 / 20 / 22 / 22
  fds 01 e 02 Santo Cristo Rio de Janeiro
  - RJ 20220-281
  TEL: 21-2263-3115
  WEB: **www.romaga.com.br**

EQUADOR COUNTRY CODE " 593 "

- **MOTORES DEL PACÍFICO S.A.**
  Av. Francisco de Orellana,
  Alborada XIII etapa, Mz 29,C.C.
  Albotrece, locales 1 y 2,
  Guayaquil - Ecuador
  Tel : 4-2174-067 , 4-6033-350
  WEB: **motoresdelpacifico.com**

PARAGUAY COUNTRY CODE " 595 "

- **ADRIASOL S.A.**
  Ruta km 19,5, Transchaco,
  Asunción, Paraguay
  TEL: 21-756099
  WEB: **www.adriasolsa.com/**

ARGENTINE COUNTRY CODE " 54 "

- **TALLERES LILO S.A.**
  Defensa 1883 - Dock Sud - Avellaneda -
  Buenos Aires, Argentina
  TEL: 11-4222-1289
  WEB: **www.tallereslilo.com.ar/**

- **VN PROPULSION S.R.L**
  Mar de Plata 7600 Buenos Aires
  - Argentina
  TEL: 011-4553-4026
  WEB: **vnpropulsion.com/en**

- **JOSE V. NATALICHIO**
  Av. Regimientos de Patricios
  176 1ª B (C1205ADO)
  Ciudad Autonoma
  De Buenos Aires-Argentina
  TEL: 911-4300-8226
  FAX: 911-4361-3001