

DIESEL ENGINE  
**GENERATOR  
SET**





# Heart of YANMAR, for the People, for the Earth.

Since its establishment in 1912, YANMAR has been dedicated to developing its own new technologies and products in pursuit of energy efficiency for fuel consumption.

The YANMAR diesel engines introduced in this guide have been developed based on marine engines with high reputation in durability and high efficiency in particular.

Also, low cost operation is possible with the use of H.F.O. (excluding some models).

The superior YANMAR diesel engines have been used as continuous generating equipments in various facilities around the world including Japan's Showa base in Antarctica.

As a dedicated manufacturer of diesel engines, YANMAR can propose a generation system that aims at raising Life Cycle Value (L.C.V.).



- 2010 Released Model 6EY22.
- 2006 Released Model 6EY18.
- 2002 Released Model 6EY26.
- 1997 Amagasaki Plant of Large Engine Div. obtained ISO14001 certification from LRQA.
- 1991 Production level of large-sized engines reached 100,000 units.
- 1968 Deming Prize awarded.
- 1912 Founded as Yamaoka Hatsudoki Kosakusho.

# Both the fuel consumption and the NOx exhaust volume are decreased.

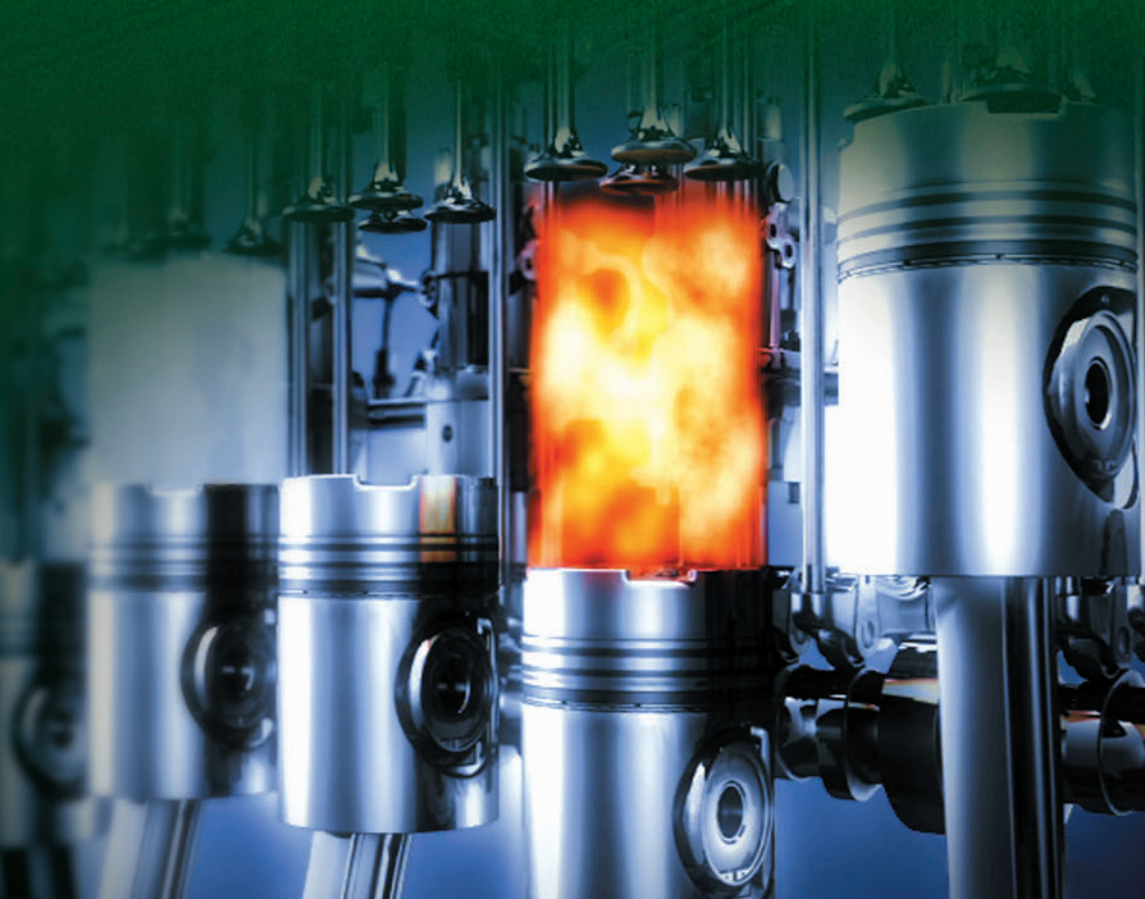
In general, when NOx emissions are reduced, the fuel consumption and smoke generation will increase, adversely affecting both environment and management.

As a solution to this, YANMAR has employed "the ASSIGN Combustion System", which is an innovative state-of-the-art technology, and "the High pressure Miller Cycle System".

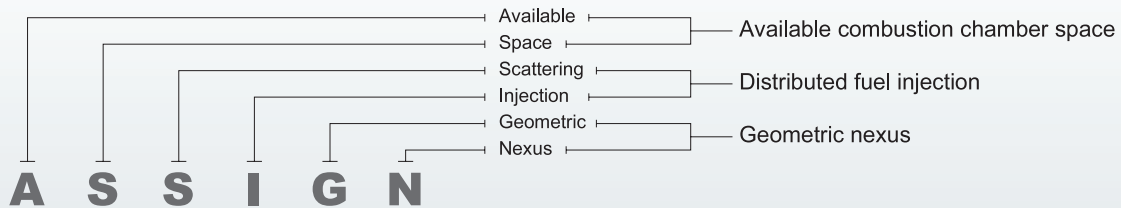
These systems improve the fuel consumption and smoke generation in addition to reducing NOx emissions.



Lower fuel consumption  
Lower NOx emissions

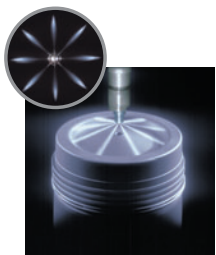


# ASSIGN Combustion System



## Staggered Layout Multi-Hole Nozzle

By staggering the layout and using multiple injection holes, this design achieves sufficient total injection area and improves air utilization.



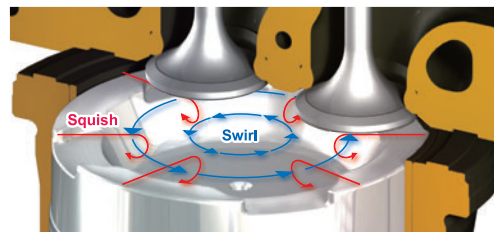
Conventional Injection System



Staggered Layout Injection System

## Air Flow Motion

The optimally shaped air intake port generates a suitable swirl (vortex 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

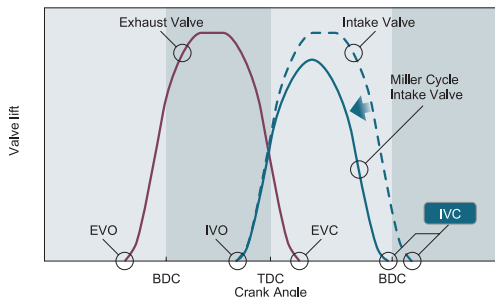
# High Pressure Miller Cycle System

## Miller Type Cam

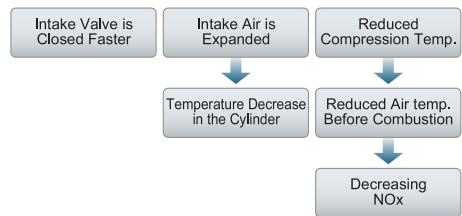
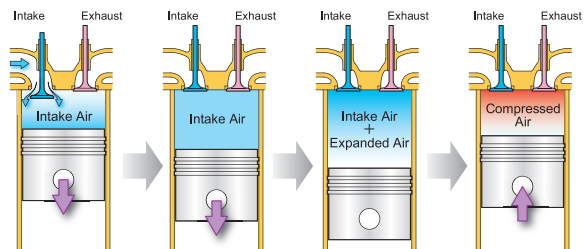
**Reduced Air Temperature Before Combustion → Decreasing NOx**

With the miller type cam in its intake stroke, the miller cycle closes the intake valve earlier than conventional combustion. 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.

Intake / Exhaust Valve Lift Diagram



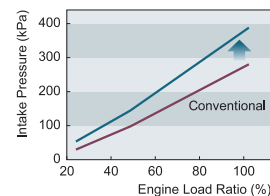
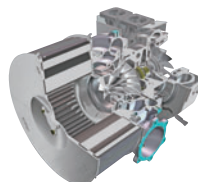
EVO: Exhaust Valve Open  
 IVO: Intake Valve Open  
 EVC: Exhaust Valve Close  
 IVC: Intake Valve Close



## High Pressure Ratio Turbocharger

**Recovery of Pressure in the Cylinder → Improved Fuel Consumption**

Using the method of finishing the intake stroke earlier alone decreases the air quantity charged in the cylinder, resulting in decreasing the cylinder pressure and worsening the specific fuel consumption. 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.

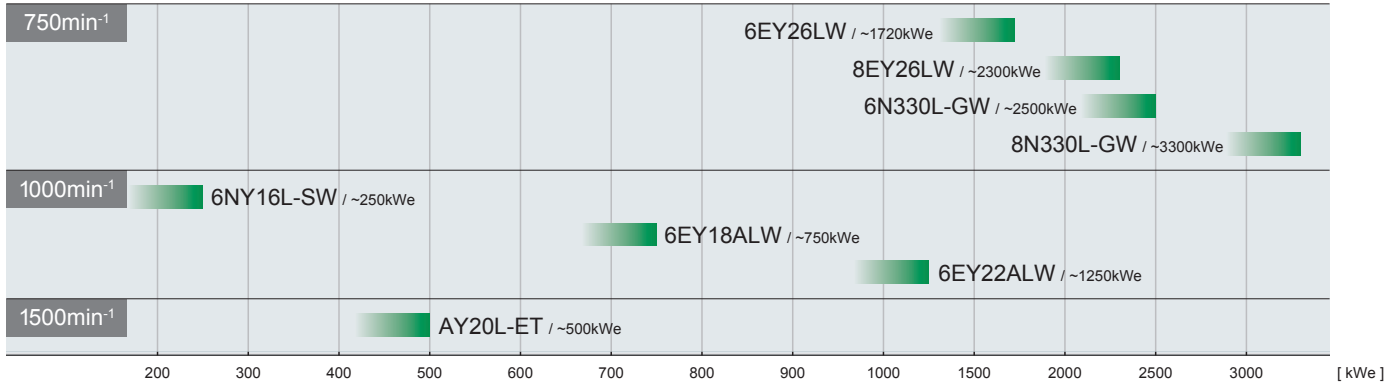


# Generator Set Line-up

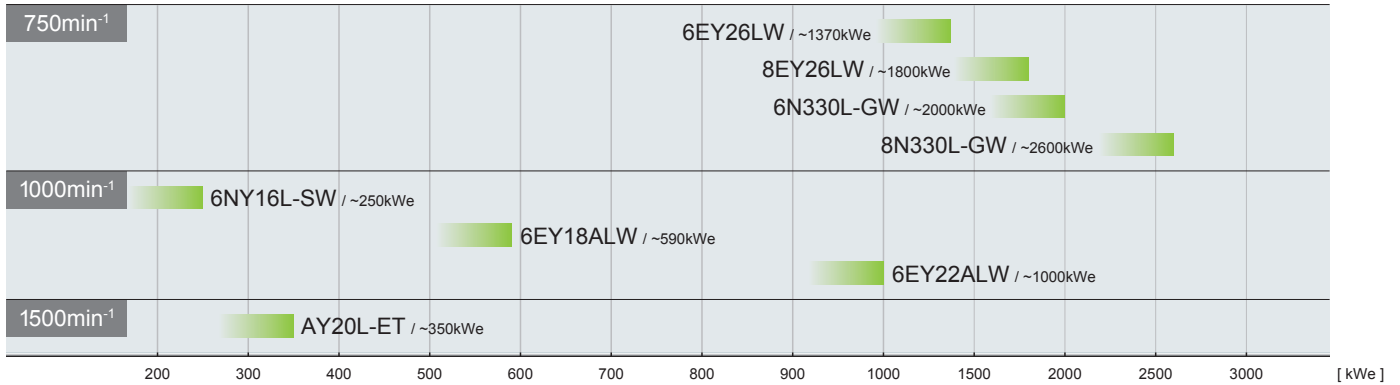
## Generator Capacity

### 50Hz

#### Prime Power Rating

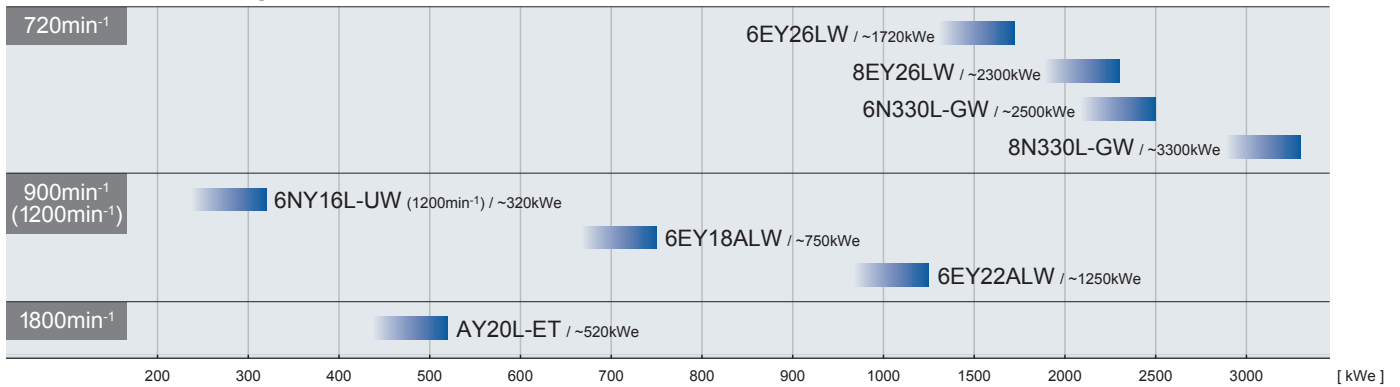


#### Continuous Rating

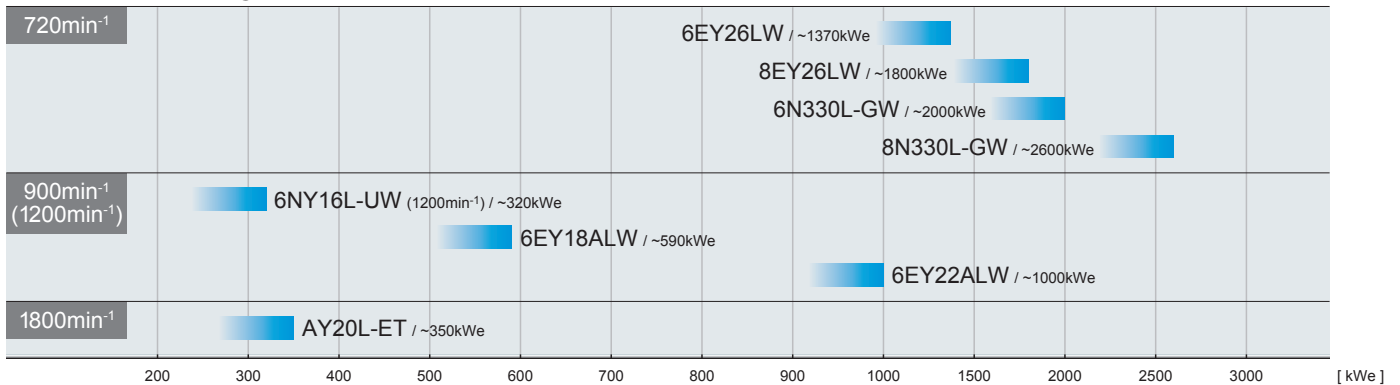


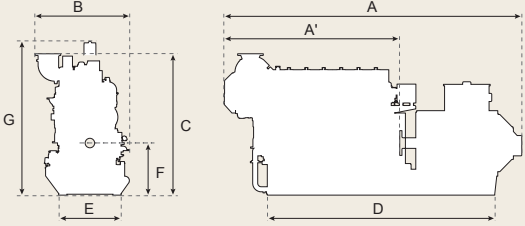
### 60Hz

#### Prime Power Rating



#### Continuous Rating



Models	Output ( kW )							Dimensions ( mm )							
	Engine Speed ( min <sup>-1</sup> )														
	720	750	900	1000	1200	1500	1800	A	A'	B	C	D	E	F	G
<b>6NY16L-SW</b>				279				3112	1972	1265	1813	2530	940	800	1983
<b>6NY16L-UW</b>					353			3137	1972	1265	1813	2530	940	800	1983
<b>AY20L-ET</b>						544	565	3040	1860	1445	1836	2600	1030	619	1565
<b>6EY18ALW</b>			800					4680	2751	1489	2255	3720	1070	915	2564
<b>6EY22ALW</b>			1370					5647	3337	1782	2675	4310	1180	985	2907
<b>6EY26LW</b>	1840							6774	3974	1832	3520	5270	1420	1250	3150
<b>8EY26LW</b>	2450							8418	5290	2015	3665	6840	1420	1250	3150
<b>6N330L-GW</b>	2648							7651	4817	2622	4111	6740	1740	1450	3835
<b>8N330L-GW</b>	3530							9550	5975	2480	4000	7900	1740	1450	3835

The dimensions for the diesel engine generator sets are simply reference values. The values may differ for different generator manufacturers.

## 10 major ship certifications

The Amagasaki Plant 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



Amagasaki plant

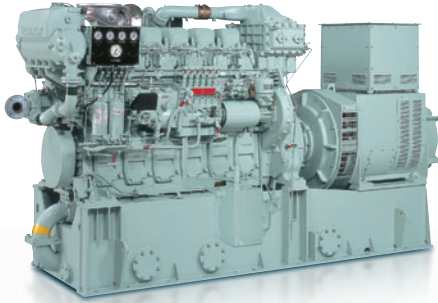
<b>NK</b> [ Nippon Kaiji Kyokai ]	<b>ABS</b> [ American Bureau of Shipping ]	<b>LR</b> [ Lloyd's Register of Shipping ]
<b>DNV</b> [ Det Norske Veritas ]	<b>RINA</b> [ Registro Italiano Navale ]	<b>BV</b> [ Bureau Veritas ]
<b>KR</b> [ Korean Register of Shipping ]	<b>CCS</b> [ China Classification Society ]	<b>GL</b> [ Germanischer Lloyd ]
<b>IRS</b> [ Indian Register of Shipping ]		



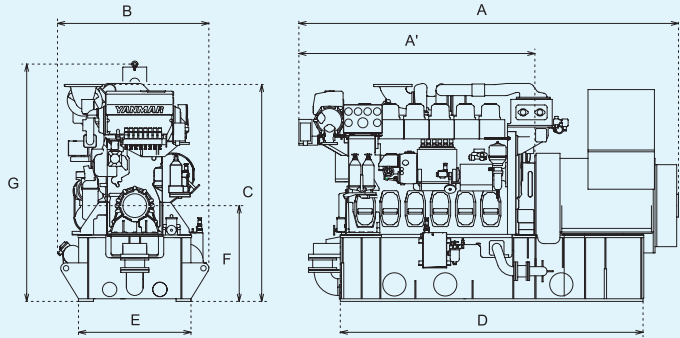
Certifications of 10 major shipping classification societies

# 6NY16LW

Generator Capacity  
~250kWe(50Hz) / ~320kWe(60Hz)



## Dimensions



G : Minimum Height for Removing Piston

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

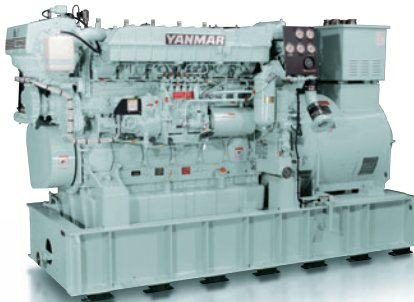
## Specifications

Model			6NY16L-SW	6NY16L-UW
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	250	320
	Type		3-Phase Brushless	
	Voltage	V	200~480	200~6600
	No. of Poles	P	6	
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	279 ( 374 )	353 ( 473 )
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	160 × 200	
	Rated Speed	min <sup>-1</sup>	1000	1200
Total Weight ( Gen.Set )			kg 5500	

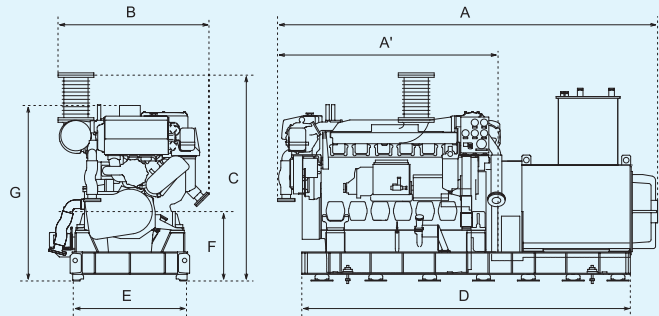
• The rated output is based on the "Prime Power" rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
• The dry weight value is for reference only. The value can vary depending on the generator manufacturer, equipment specifications, accessories, etc.  
• Specifications are subject to change without notice for incorporation of improvements.

# AY20L-ET

Generator Capacity  
~500kWe(50Hz) / ~520kWe(60Hz)



## Dimensions



G : Minimum Height for Removing Piston ( Not included the dimension for bolt fitting to piston remove. )

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

## Specifications

Model			AY20L-ET	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	500	520
	Type		3-Phase Brushless	
	Voltage	V	200~6600	
	No. of Poles	P	4	
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	544 ( 730 )	565 ( 758 )
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	155 × 180	
	Rated Speed	min <sup>-1</sup>	1500	1800
Total Weight ( Gen.Set )			kg 4750	

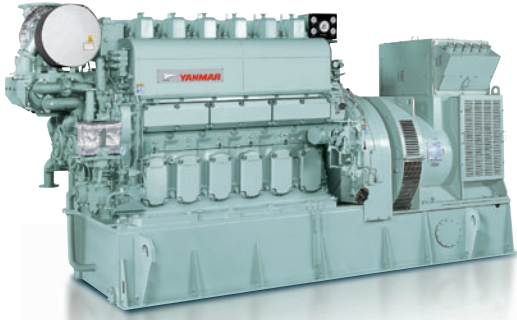
• The rated output is based on the "Prime Power" rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
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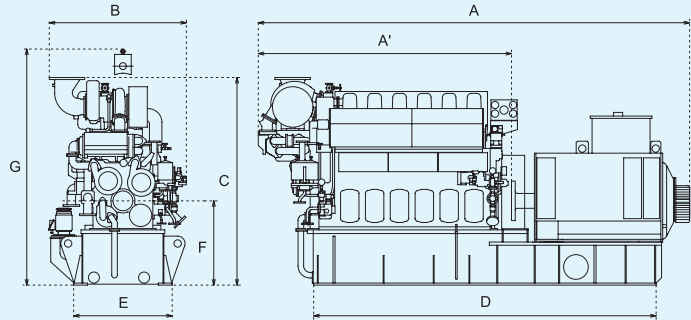
Diesel Engine Generator Set

# 6EY18ALW

Generator Capacity  
~750kWe



## Dimensions



G : Minimum Height for Removing Piston

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## Specifications

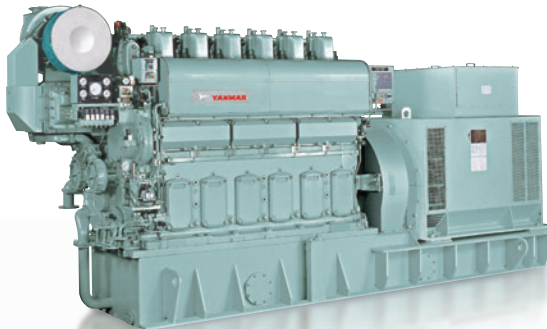
Model			6EY18ALW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	750	
	Type		3-Phase Brushless	
	Voltage	V	200~6600	
	No. of Poles	P	6	8
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	800 ( 1073 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	180 × 280	
	Rated Speed	min <sup>-1</sup>	1000	900
Total Weight ( Gen.Set )			12100	

• The rated output is based on the "Prime Power"rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
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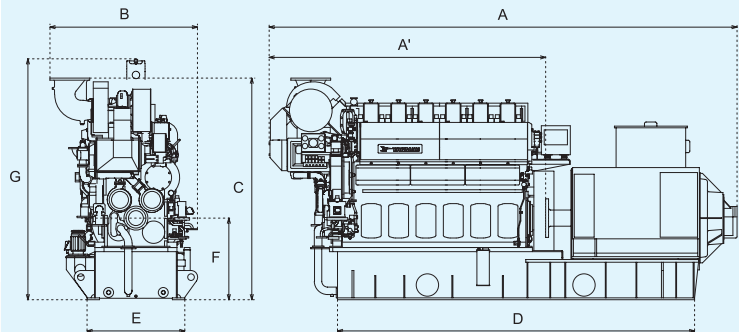
Diesel Engine Generator Set

# 6EY22ALW

Generator Capacity  
~1250kWe



## Dimensions



G : Minimum Height for Removing Piston

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

## Specifications

Model			6EY22ALW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	1250	
	Type		3-Phase Brushless	
	Voltage	V	200~6600	
	No. of Poles	P	6	8
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	1370 ( 1863 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	220 × 320	
	Rated Speed	min <sup>-1</sup>	1000	900
Total Weight ( Gen.Set )			18100	

• The rated output is based on the "Prime Power"rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
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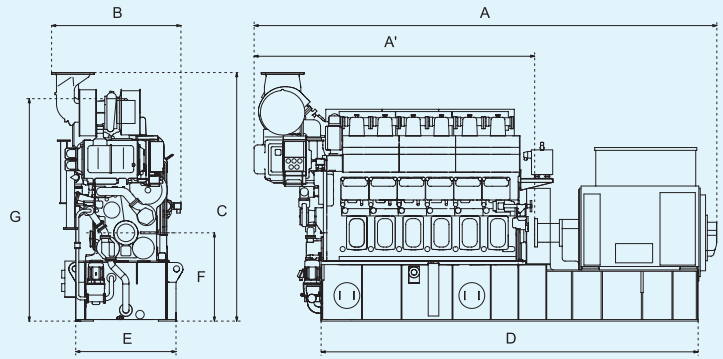
Diesel Engine Generator Set

# 6EY26LW

Generator Capacity  
~1720kWe



## Dimensions



G : Minimum Height for Removing Piston

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

## Specifications

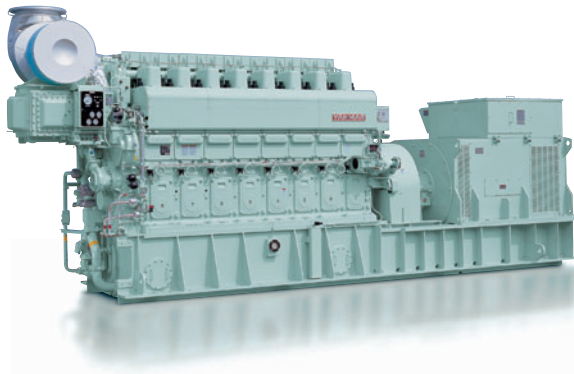
Model			6EY26LW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	1720	
	Type		3-Phase Brushless	
	Voltage	V	3000~6600	
	No. of Poles	P	8	10
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	1840 ( 2467 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	260 × 385	
	Rated Speed	min <sup>-1</sup>	750	720
Total Weight ( Gen.Set )			30600	

• The rated output is based on the "Prime Power"rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
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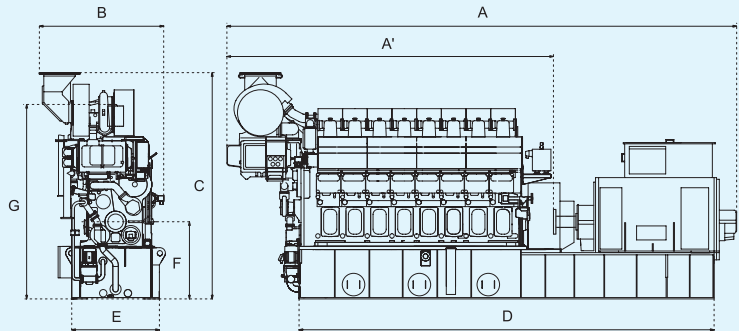
Diesel Engine Generator Set

# 8EY26LW

Generator Capacity  
~2300kWe



## Dimensions



G : Minimum Height for Removing Piston

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

## Specifications

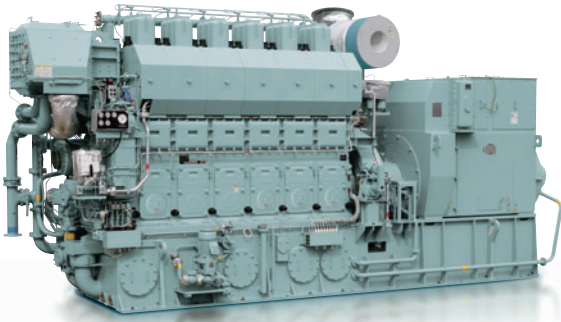
Model			8EY26LW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	2300	
	Type		3-Phase Brushless	
	Voltage	V	3000~6600	
	No. of Poles	P	8	10
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	2450 ( 3286 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		8	
	Bore × Stroke	mm	260 × 385	
	Rated Speed	min <sup>-1</sup>	750	720
Total Weight ( Gen.Set )			45000	

• The rated output is based on the "Prime Power"rating. • The rated output of generator is based on the bylaw of generator efficiency in JEM1355.  
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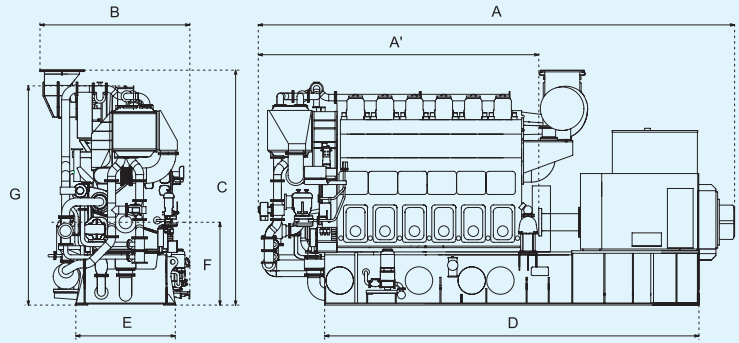
Diesel Engine Generator Set

# 6N330L-GW

Generator Capacity  
~2500kWe



## Dimensions



G : Minimum Height for Removing Piston

Depending on the specifications or options that have been chosen, your model may differ slightly from the one in the photograph and outline.

Some Models in this Chart do not Employ Staggered Layout Nozzle.

## Specifications

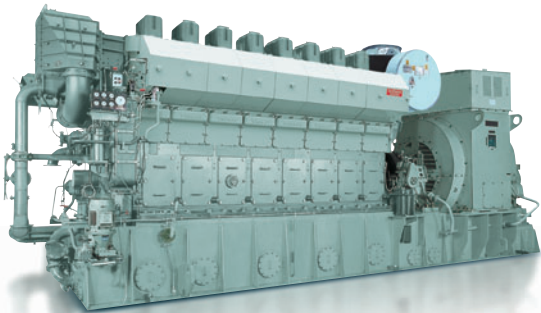
Model			6N330L-GW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	2500	
	Type		3-Phase Brushless	
	Voltage	V	3000~6600	
	No. of Poles	P	8	10
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	2648 ( 3551 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		6	
	Bore × Stroke	mm	330 × 380	
	Rated Speed	min <sup>-1</sup>	750	720
Total Weight ( Gen.Set )			52000	

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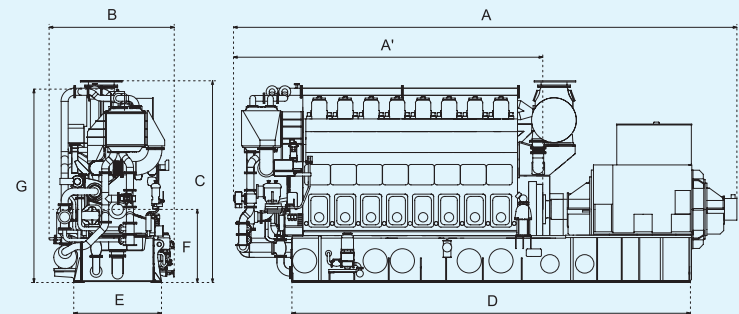
Diesel Engine Generator Set

# 8N330L-GW

Generator Capacity  
~3300kWe



## Dimensions



G : Minimum Height for Removing Piston

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Some Models in this Chart do not Employ Staggered Layout Nozzle.

## Specifications

Model			8N330L-GW	
Frequency			50Hz	60Hz
Generator	Rated Output	kWe	3300	
	Type		3-Phase Brushless	
	Voltage	V	3000~6600	
	No. of Poles	P	8	10
	Power Factor	%	80 ( lagging )	
Diesel Engine	Rated Output	kW(HP)	3530 ( 4734 )	
	Type		Vertical, Water-cooled, 4-stroke Diesel	
	No. of Cylinders		8	
	Bore × Stroke	mm	330 × 380	
	Rated Speed	min <sup>-1</sup>	750	720
Total Weight ( Gen.Set )			71000	

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- Specifications are subject to change without notice for incorporation of improvements.

# Worldwide Service Network



## Europe

### Netherlands Country Code " 31 "

**A** **YANMAR EUROPE B.V. ( YEU )**  
Brugplein 11, 1332 BS Almere-de Vaart, The Netherlands  
Tel: 36-5493200 Fax: 36-5493209  
www.yanmar.nl/

● **NICOVERKEN HOLLAND B.V.**  
Algerastraat 20, 3125 BS Schiedam, The Netherlands  
Tel: 10-2380999 Fax: 10-2380990

● **FUJI TRADING ( MARINE ) B.V.**  
Kortenoord 2-8 3087 AR Rotterdam, The Netherlands  
Tel: 10-429-8833 Fax: 10-429-5227

### Greece Country Code " 30 "

**a** **YANMAR ENGINEERING CO.,LTD.**  
**GREECE LIAISON OFFICE**  
5th FL.,130 Sygrou Avenue., Athens, Greece  
Tel: 210-922-2481 Fax: 210-922-2484

### U.K. Country Code " 44 "

● **SHIPAID DIESEL SERVICES LTD**  
Units, 1&2, Plot 10, Westminster Trading Estate,  
Westminster Road, North Hykeham Lincoln, LN6 3QY, U.K.  
Tel: 1522-696642 Fax: 1522-695153

### Germany Country Code " 49 "

● **NIPPON DIESEL SERVICE**  
Herman-Blohm-Strasse 1 D-20457 Hamburg, Germany  
Tel: 40-317710 Fax: 40-311598

### Iceland Country Code " 354 "

● **MARAS E.H.F.**  
Akralind 2 201 Kópavogur Iceland  
Tel: 555-6444 Fax: 565-7230

### Spain Country Code " 34 "

● **SKANDIAVERKEN, S.L.**  
Pol. Torrelarragoiti Parcela P7M, Pabellón  
1 y 2, 48170 Zamudio Bizkaia SPAIN  
Tel: 94-452-0816 Fax: 94-452-0510

### Turkey Country Code " 90 "

● **ARASMAK DENİZ ENDÜSTRİSİ VE DIŞ TIC. LTD.**  
Eika Sok.No.20 Güzelyalı, Pendik, Istanbul,  
Turkey 34903  
Tel: 216-493-48-76 Fax: 216-493-63-41

## Africa

### South Africa Country Code " 27 "

● **SEASCAPE MARINE SERVICES ( PTY ) LTD.**  
124 Service Road Marine Drive Paarden Eiland, 7405,  
P.O. Box 63 Paarden Eiland 7420 South Africa  
Tel: 21-511-8201 Fax: 21-510-6947

## Middle East

### U.A.E. Country Code " 971 "

**b** **YANMAR ENGINEERING CO., LTD.**  
**DUBAI LIAISON OFFICE**  
Gold&Diamond Park, Manufacturing office 3006,  
Ground Floor Building-3, Sheikh Zayed Road P.O Box 214831,  
Dubai, U.A.E  
Tel: 4-341-8787 Fax: 4-341-8778

● **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

● **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

### Arab Republic of Egypt Country Code " 20 "

● **MAPSO**  
P.O. Box. 2643, 44 Industrial Area,  
Cairo/Ismaïlia Desert Road, Cairo, Egypt  
Tel: 2-2962777 ( 8 lines ) Fax: 2-2962780

● **MAPSO—ALEXANDRIA OFFICE**  
5 Ahmed Orabi Street Alexandria, Egypt  
Tel: 3-487-3453 Fax: 3-487-3486

## Oceania

### Australia Country Code " 61 "

● **FOGACS CAIRNCROSS DOCKYARD PTY LTD.**  
Thynne Road, Morningside, Brisbane, Queensland, Australia 4170  
Tel: 7-3227-0856 Fax: 7-3399-6164

● **WATERSIDE ENGINEERING PTY LTD.**  
48-50 Export Drive, Brooklyn 3025, Victoria Australia  
Tel: 3-9314-3722 Fax: 3-9314-3799

● **JAITCO**  
10199 Kurraba Road, Neutral Bay, N.S.W. 2089, Australia  
Tel: 89-956-8927 Fax: 89-956-8927

● **JAPAN MARINE ENGINEERING CO.,LTD.**  
475 Warrigal Road Moorabbin Victoria Australia 3189  
Tel: 3-9555-5277 Fax: 3-9555-5344

### 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

## Asia

### Japan Country Code " 81 "

#### YANMAR CO., LTD.

◆ **YANMAR ( HEAD OFFICE )**  
Umeda Gate Tower, 1-9, Tsurunochi, Kita-ku, Osaka, Japan 530-8311  
yanmar.com

◆ **YANMAR ( TOKYO ) EXPORT DEPT.**  
**INDUSTRIAL GROUP**  
1-1, 2-Chome, Yaesu, Chuo-ku, Tokyo, Japan 104-0028  
Tel: 3-3275-4915 Fax: 3-3275-4968

◆ **YANMAR ( AMAGASAKI PLANT )**  
1-1,1-Chome, Nagasu Higashi-dori, Amagasaki, Hyogo, Japan 660-8585  
● **QUALITY ASSURANCE DEPT.**  
Tel: 6-6489-8017 Fax: 6-6488-4009

#### YANMAR ENGINEERING CO., LTD.

◇ **YANMAR ENGINEERING ( HEAD OFFICE )**  
1-1, 1-Chome, Nagasu Higashi-dori, Amagasaki, Hyogo, Japan 660-8585  
Tel: 6-6489-8048 Fax: 6-6481-6101  
www.yanmar-e.co.jp/en

● **OVERSEAS ENGINEERING DIVISION.**  
Tel: 6-6489-8048 Fax: 6-6481-6101

### China Country Code " 86 "

#### **B** YANMAR ENGINE ( SHANGHAI ) CO., LTD.

10F, E-Block POLY PLAZA, No.18 Dongfang Road,  
Pudong Shanghai, China P.R.C 200120  
Tel: 21-6880-5090 Fax: 21-6880-8090 / 6880-8682  
www.yanmar-sha.com

● **GOLTENS SHANGHAI CO., LTD.**  
Block No.5, No.533 Yuanzhong Road, Nanhui Industrial Zone,  
Nanhui District, Shanghai, China  
Tel: 21-58186628 Fax: 021-58186633

● **TIANJIN PORT TUG-BOAT & LIGHTER COMPANY / YANMAR ENGINE SERVICE CENTER.**  
No.383 Yongtai Road, Tanggu District, Tianjin, China  
Tel: 22-2570-7510 Fax: 22-2570-7510

● **DALIAN WANFANG MARINE TECHNOLOGY CO., LTD.**  
No.40 Aixian Street, Qixianling, Dalian High-Tech Industrial Zone, China  
Tel: 411-84799000 Fax: 411-84795678

● **ZHOUSHAN IMC-YY SHIPYARD & ENGINEERING CO., LTD.**  
28, Mazhi West Road, Shenjiamen, Putuo, Zhoushan, China, 316100  
Tel: 580-3690518 / 3690577 / 3690882 Fax: 580-3690580



## India Country Code " 91 "

### **C** YANMAR INDIA PRIVATE LTD. MUMBAI BRANCH

707 Real Tech Park, Sector 30/A, Vashi,  
Navi Mumbai Pin: 400 703 Maharashtra  
Tel: 22-3969-4400 Fax: 22-3969-4410

### ● IND-AUST MARITIME PVT LTD.

C-6/2, T.T.C. M.I.D.C. Pawane, Turbhe, Navi Mumbai 400 705, Maharashtra, India  
Tel: 22-2763-3178 Fax: 22-2789-2529

## Singapore Country Code " 65 "

### **D** YANMAR ASIA ( SINGAPORE ) CORP. PTE. LTD. ( YASC )

4 Tuas Lane, Singapore 638613  
Tel: 6595-4200 Fax: 6862-5189  
www.yanmar.co.jp/yasc

### ● CHONG LEE LEONG SENG CO., ( PTE ) LTD.

23 Tuas Avenue 2, Singapore 639454  
Tel: 6264-2922 Fax: 6861-8785

## Hong Kong Country Code " 852 "

### **C** YANMAR ENGINEERING ( HK ) CO., LTD.

Room 1208, C.C.Wu Building, 302-308 Hennessy Road, Wanchai,  
Hong Kong, China  
Tel: 2833-9032 Fax: 2904-7783

### ● CISTAR TECH HK LTD.

3/F., 81 Hing Wah Street West Lai Chi Kok, Kowloon Hong Kong, China  
Tel: 2775-0161 Fax: 2772-6054

## Philippines Country Code " 63 "

### **D** YANMAR ENGINEERING CO., LTD. PHILIPPINES LIAISON OFFICE

Bldg 3, Berthaphil South, Bayanihan St., Jose Abad Santos Avenue,  
Clark Freeport Zone 2023 Pampanga Philippines.  
Tel: 45-499-1541 / 1542 Fax: 45-499-1543

### ● SEAPOWERS TRADING & INDUSTRIAL SERVICES

316-A Mamatid Cabuyao, Laguna, Philippines  
Tel: 917-500-3017 Fax: 49-502-0765

## Taiwan Country Code " 886 "

### **E** YANMAR ENGINEERING CO., LTD. TAIWAN BRANCH

No.56, Yugangjung 2 Rd., Chienchen Dist, Kaohsiung, Taiwan  
Tel: 7-815-4198 Fax: 7-815-3280

### ● YEE FOO MARINE INDUSTRIAL CO., LTD.

6F-3, No.369 Fusing North Road, Taipei, Taiwan ROC. 105  
Tel: 2-8712-0848 Fax: 2-8712-0797

### ● SEIKOH CO., LTD.

No.56, Yugang Jung 2 Rd., Chien Chen Dist. Kaohsiung, Taiwan  
Tel: 7-831-2303 Fax: 7-882-3911

## 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

### ● PLUS SERVICE CO.

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

### ● CHIBA MARINE KOREA CO., LTD.

1-90, Chunghak-Dong, Yeongdo-gu, Busan, Korea  
Tel: 51-418-8998 Fax: 51-418-5880

## Malaysia Country Code " 60 "

### ● PANSAR COMPANY., SDN BHD

Wisma Pansar 23-27 Workshop Road 96007 Sibul 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

## Thailand Country Code " 66 "

### ● SIAM CONSOTIUM SERVICE CO., LTD.

103-107 Damronglatpipat Road Klongtoey Prakanong  
Bangkok Thailand 10110  
Tel: 2-249-8023 Fax: 2-249-7985

### ● STAR MARINE ENGINEERING CO., LTD.

2 / 5 M11 Tumbol Bangphueng Phrapradaeng,  
Samutprakarn, Thailand 10130  
Tel: 2-816-8001 Fax: 2-463-2616

## 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

# North America

## U.S.A. Country Code " 1 "

### **E** YANMAR AMERICA CORP. ( YA ) HEAD OFFICE

101 International Parkway, Adairsville, GA 30103, U.S.A.  
Tel: 770-877-9894 Fax: 770-877-9009  
www.yanmar.com

### **F** YANMAR AMERICA CORPORATION. NEW YORK BRANCH

Parker Plaza 16F, 400 Kelby Street, Fort Lee, NJ 07024 U.S.A.  
Tel: 201-592-8500 Fax: 201-592-8503

### ● MARINE TURBO & DIESEL INC.

1090 7th Street Richmond, Ca 94801, U.S.A.  
Tel: 510-236-3525 Fax: 519-236-3576

### ● GOLTENS NEW YORK CORP.

160 Van Brunt Street, Brooklyn, NY 11231, U.S.A.  
Tel: 718-855-7200 Fax: 718-802-1147

### ● 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

### ● UNITED WORLD ENTERPRISE. INC

6310 Winfree Houston, Texas 77087 U.S.A.  
Tel: 713-641-1915 Fax: 713-641-2717

# South America

## Brazil Country Code " 55 "

### ● METALOCK DO BRASIL LTDA

Rua Visconde do Rio Branco 20/26, 11013-030, Santos, SP, Brazil  
Tel: 13-3222-4686 Fax: 13-3222-4088

# Large Power Products Operations Division Amagasaki Plant

## Development and Production of World-class Quality Large Diesel Engines

The Large Power Products Operations Division has a long history among YANMAR's wide variety of businesses. The Amagasaki Plant was the first plant to open in 1936 as the world's first practical small diesel engine plant. In time, the plant started mass-producing diesel engines and gas engines for ship propulsion, power generation, land application, and general use. The plant also started producing gas turbines in 1983. YANMAR is the only integrated manufacturer producing all of these products and other products by itself. In addition, we also promote automation and energy saving with the use of own high-performance specialized machines and state-of-the-art machines. We produce superior products through the establishment of an order entry system that suits the characteristics of products, and a superior quality control system.



Operation Process



Design using 3D-CAD



Outfitting Process

## Internationally Certified Quality Control and Environmental Response

In July 1992, the Large Power Products Operations Division was certified under ISO 9001\*1 by a certification authority in England, Lloyd's Register Quality Assurance Limited (LRQA), and in June 1997 under ISO 14001\*2 for the first time as a plant producing large land and marine diesel engines. In addition, we also met IMO emissions control regulations (with NOx emission values) (Tier I in 2000 and Tier II in 2011) for the first time as a Japanese engine manufacturer. Our advanced technological capabilities for environmental conservation are highly recognized worldwide.



\*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 )

## Check List for Inquiries

Photocopy and send this sheet to YANMAR (Tokyo) Export Dept. Industrial Group : ( FAX No. +81-3-3275-4968 )

### INQUIRIES FOR

\_\_\_\_\_ kW ( \_\_\_\_\_ kVA ) DIESEL GENERATOR SET

- 1 Destination ( City and Country ) : \_\_\_\_\_
- 2 Owner's name and Project name : \_\_\_\_\_
- 3 Number of sets : \_\_\_\_\_ set (s) / Site : \_\_\_\_\_ set (s)
- 4 Approx. date of delivery : \_\_\_\_\_
- 5 In case of tender, tender closing date : \_\_\_\_\_
- 6 Output : \_\_\_\_\_ kW ( \_\_\_\_\_ kVA , 3Phase \_\_\_\_\_ Wire \_\_\_\_\_ Volt \_\_\_\_\_ Hz \_\_\_\_\_ min<sup>-1</sup>  
( Power factor 0.8 lagging )
- 7 Service :  Continuous /  Standby ( Main failure )
  - Working hours per year \_\_\_\_\_ h , • Working hours per day \_\_\_\_\_ h
  - Required load condition ( Max : \_\_\_\_\_ kW , Min : \_\_\_\_\_ kW , Average : \_\_\_\_\_ kW )
- 8 Fuel :  Diesel Oil /  H.F.O. ( \_\_\_\_\_ mm<sup>2</sup>/s )
- 9 Cooling method :  Radiator ( Remote / mounted ) /  Cooling tower and hear exchanger
- 10 Parallel operation with D/G :  No /  Yes ( number of sets \_\_\_\_\_ )
- 11 Site conditions :  Standard  Your requirement
  - Ambient temp ..... 40°C \_\_\_\_\_ °C ~ \_\_\_\_\_ °C
  - Altitude ( max. above sea level ) ..... 300m \_\_\_\_\_ m
  - Relative humidity ..... 85% \_\_\_\_\_ %
  - Installation  Indoor /  Outdoor
  - Other ( specify ) \_\_\_\_\_
- 12 Other requirements : NOx level : \_\_\_\_\_ ppm ( mg/Nm<sup>3</sup> ) at O<sub>2</sub> 13% basis  
Sound level : \_\_\_\_\_ dB (A) at 1m from : ( \_\_\_\_\_ )

Above inquiry by

Name	_____
Company	_____
Tel	_____
e-mail	_____
Date	_____

