



YANMAR

PRODUCTS GUIDE

POWER EQUIPMENT



HORIZONTAL DIESEL ENGINES

TF/TS_{series}

Max. Output 4.4~16.9kW

- Horizontal, 4-cycle, water cooled diesel engine.
- Direct fuel injection produces dynamic power.
- Fuel used to maximum effect.
- Dramatic drop in oil consumption.
- Better lube system improves reliability.
- Easy operation, simple servicing less vibration, low noise level.



TF160

SPECIFICATIONS

Engine Model	TF70H	TF70	TF70L	TF90MH	TF90M	TF90ML
No. of Cylinders	1					
Bore x Stroke	mm			mm		
	Φ78 x 80			Φ85 x 87		
Displacement	liter			liter		
	0.382			0.493		
Maximum Engine Speed	min ⁻¹ (rpm)			min ⁻¹ (rpm)		
	2400			2400		
Rated Output	kW[hp]			kW[hp]		
	5.2 [7.0]			7.0 [9.5]		
Engine Dry mass	kg			kg		
	65			91		
Dimensions	Length x Width x Height			mm		
	607.5 x 311 x 469			672 x 335.5 x 496		

Engine Model	TF120MH	TF120M	TF120ML	TF160H	TF160	TF160L
No. of Cylinders	1					
Bore x Stroke	mm			mm		
	Φ92 x 96			Φ102 x 105		
Displacement	liter			liter		
	0.638			0.857		
Maximum Engine Speed	min ⁻¹ (rpm)			min ⁻¹ (rpm)		
	2400			2400		
Rated Output	kW[hp]			kW[hp]		
	8.8 [12.0]			11.8 [16.0]		
Engine Dry mass	kg			kg		
	107			140		
Dimensions	Length x Width x Height			mm		
	688.5 x 352.5 x 530			766 x 379.5 x 621		

Engine Model	TS190	TS190R	TS190RE	TS230	TS230R	TS230RE
No. of Cylinders	1					
Bore x Stroke	mm			mm		
	Φ110 x 106			Φ112 x 115		
Displacement	liter			liter		
	1.007			1.132		
Maximum Engine Speed	min ⁻¹ (rpm)			min ⁻¹ (rpm)		
	2200			2200		
Rated Output	kW[hp]			kW[hp]		
	14.0 [19.0]			16.9 [23.0]		
Engine Dry mass	kg			kg		
	187			217		
Dimensions	Length x Width x Height			mm		
	894.5 x 454.5 x 660			963.5 x 467.5 x 657		

HORIZONTAL DIESEL ENGINES

CY_{series}

Max. Output 13.2~16.2kW

- Horizontal, 4-cycle, water cooled diesel engine.
- Direct fuel injection produces dynamic power.
- Fuel used to maximum effect.
- Dramatic drop in oil consumption.
- Better lube system improves reliability.
- Easy operation, simple servicing less vibration, low noise level.



CY1105

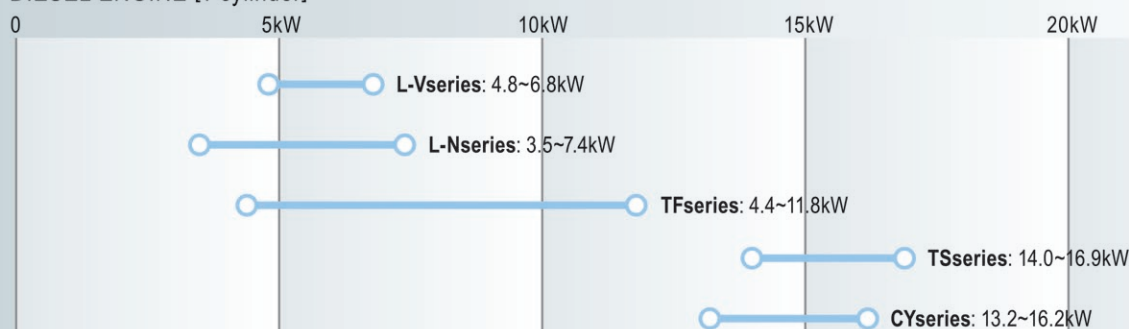
CY1115

SPECIFICATIONS

Engine Model	CY1105	CY1105M	CY1115P	CY1115PE
No. of Cylinders	1			
Bore x Stroke	mm		mm	
	Φ105 x 115		Φ115 x 115	
Displacement	liter		liter	
	0.995		0.995	
Maximum Engine Speed	min ⁻¹ (rpm)		min ⁻¹ (rpm)	
	2200		2200	
Rated Output	kW[hp]		kW[hp]	
	13.2 [17.9]		16.2 [22.0]	
Engine Dry mass	kg		kg	
	150		195	
Dimensions	Length x Width x Height		mm	
	854 x 642 x 434		918 x 689 x 451	

Note: When specification varies, the above engine speed and rated output will vary accordingly.

DIESEL ENGINE [1 cylinder]



AIR COOLED DIESEL ENGINES

L-V series

Max. Output 4.8~6.8kW

- Vertical cylinder, 4-cycle, air-cooled diesel engine.
- L-Vseries meets EPA's strict Tier 2.
- Compact, Direct injection Engine
= Easy installation & Low Fuel Consumption.
- Low Vibration and Low Noise.
- Quick and Easy Start.



SPECIFICATIONS

Engine Model			L70V		L100V	
No. of Cylinders			1		1	
Bore x Stroke			mm		mm	
Displacement			liter		liter	
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	3600		3600	
	Output	kW[hp]	4.8 [6.5]		6.8 [9.3]	
Engine Dry mass			kg		kg	
Dimensions			mm		mm	
			378 × 422 × 453		412 × 471 × 494	

AIR COOLED DIESEL ENGINES

L-N series

Max. Output 3.5~7.4kW

- Vertical cylinder, 4-cycle, air-cooled diesel engine.
- Compact, Direct injection Engine
= Easy installation & Low Fuel Consumption.
- Low Vibration and Low Noise.
- A little engine built to stand up to hard work.
- Fast, effortless starts from a one-pull recoil starter.



SPECIFICATIONS

Engine Model			L48N		L70N		L100N	
No. of Cylinders			1		1		1	
Bore x Stroke			mm		mm		mm	
Displacement			liter		liter		liter	
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	3600		3600		3600	
	Output	kW[hp]	3.5 [4.7]		4.9 [6.7]		7.4 [10.0]	
Engine Dry mass			kg		kg		kg	
Dimensions			mm		mm		mm	
			332 × 384 × 417		378 × 422 × 453		412 × 471 × 494	



COMPACT DIESEL ENGINES

TNM_{series}

Max. Output 14.1~17.6kW



SPECIFICATIONS

Engine Model			3TNM68				3TNM72			
Combustion			Indirect injection (IDI)							
No. of Cylinders			3							
Bore x Stroke		mm	Φ68 x 72				Φ72 x 74			
Displacement		liter	0.784				0.903			
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	3600	3400	3200	3000	3600	3400	3200	3000
	Output	kW [hp]	14.1 [18.9]	13.5 [18.1]	12.8 [17.2]	12.6 [16.9]	17.6 [23.6]	16.5 [22.1]	15.6 [20.9]	14.7 [19.7]
Dry mass (back plate / SAE#6 bell housing)		kg	73/82				77/86			
Dimensions (back plate)		Length x Width x Height	mm 431 x 400 x 500				450 x 400 x 505			

- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Ultra-Compact and High Performance. [No.1 in class in Power Density]
- Low Noise & Vibration. [The Ladder Frame Structure]
- Environmentally Friendly. [Compliant with EPA Tier 4 in the U.S. and Extra-low Fuel Consumption]
- Easy Installation and Replacement, the Perfect fit for your Machine.

WATER COOLED DIESEL ENGINE

TNV_{series}

Max. Output 9.9~72.0kW



3TNV76



3TNV88



4TNV106T

- Vertical cylinder, 4-cycle, water-cooled diesel engine.
- Emission reduction (ie a cleaner engine).
- IDI engines: combustion chamber, fuel injection equipment mechanical pump.
- DI engines: nozzle installation angle, combustion chamber, fuel injection equipment (MP pump, fuel injection nozzle).
- Noise level reduction (ie a more silent engine)

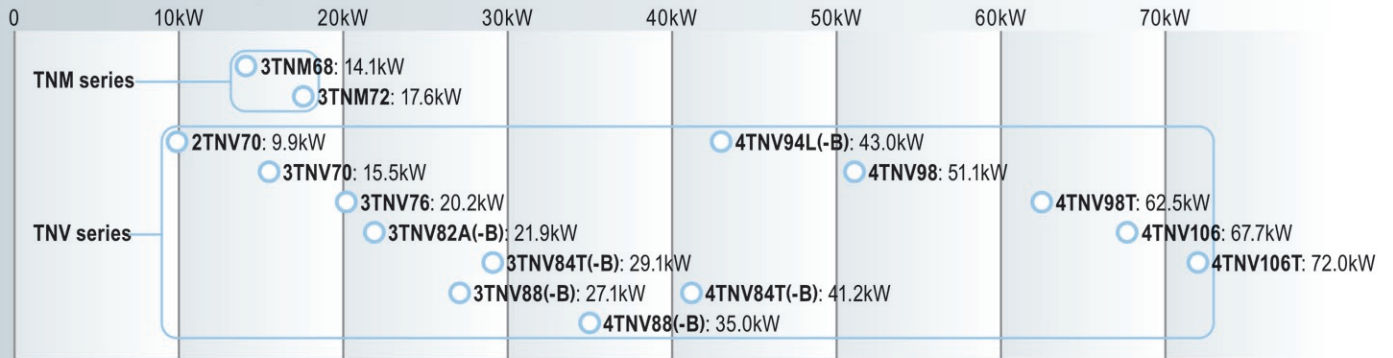
SPECIFICATIONS

Engine Model			2TNV70	3TNV70	3TNV76
Combustion			Indirect injection (IDI)		
No. of Cylinders			2	3	
Bore x Stroke			mm		Φ70 × 74
Displacement			liter	0.570	0.854
					1.116
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	3600	3600	3600
	Output	kW[hp]	9.9 [13.3]	15.5 [20.8]	20.2 [27.1]
Dry mass (Back plate / Bell housing)			kg	73/84	87/98
					94/112
Dimensions			Length x Width x Height	mm	415 × 427 × 521
					504 × 427 × 549
					524 × 427 × 572

Engine Model			3TNV82A (-B)	3TNV84T (-B)	3TNV88 (-B)	4TNV84T (-B)	4TNV88 (-B)	
Combustion			Direct injection (DI)					
No. of Cylinders			3			4		
Bore × Stroke		mm	Φ82 × 84	Φ84 × 90	Φ88 × 90	Φ84 × 90	Φ88 × 90	
Displacement		liter	1.331	1.496	1.642	1.995	2.190	
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	3000	2800	3000	3000	3000	
	Output	kW[hp]	21.9 [29.4]	29.1 [39.0]	27.1 [26.3]	41.2 [55.2]	35.0 [46.9]	
Dry mass (Back plate / Bell housing)		kg	111/128	150/159	138/148	165/170	155/165	
Dimensions		Length × Width × Height	mm	528.5 × 498.5 × 561	615.7× 517.5 × 652	564.5 × 517.5 × 622	655 × 517.5 × 685	655 × 517.5 × 622

Engine Model			4TNV94L (-B)	4TNV98(-Z)	4TNV98T(-Z)	4TNV106	4TNV106T
Combustion			Direct injection (DI)				
No. of Cylinders			4				
Bore × Stroke		mm	Φ94 × 110	Φ98 × 110		Φ106 × 125	
Displacement		liter	3.053	3.319		4.412	
Maximum Rated Output	Engine Speed	min ⁻¹ (rpm)	2500	2500	2500	2500	2200
	Output	kW[hp]	43.0 [57.7]	51.1 [68.5]	62.5 [83.8]	67.7 [90.8]	72.0 [96.6]
Dry mass (Back plate / Bell housing)		kg	-/235	-/235	-/245	-/320	-/340
Dimensions	Length × Width × Height	mm	719 × 496 × 717	719 × 496 × 717	719 × 574 × 784	890 × 628 × 820	890 × 628 × 869

DIESEL ENGINE [2~4 cylinders]



TNMseries Power Pack



SPECIFICATIONS

Model					3TNM68 Power Pack			
Engine Speed		min ⁻¹ (rpm)			3600	3000	1800	1500
Rated Output	Industrial use -ASA, ASA2, ASA3	Intermittent	NET	kW[hp]	14.1 [18.9]	—	—	—
			Gross	kW	14.7	—	—	—
	Generator use -HGE(3000/3600) -GGE(1500/1800)	Stand-by	NET	kW[hp]	14.2 [19.0]	12 [16.1]	7.3 [9.8]	6.1 [8.2]
			Gross	kW	15.2	12.6	7.4	6.2
		Continuous	NET	kW[hp]	12.9 [17.3]	10.9 [14.6]	6.6 [8.8]	5.5 [7.4]
			Gross	kW	13.9	11.5	6.7	5.6
Applicable generator capacity		Stand-by	kVA	15.1	12.5	7.5	5.9	
		Continuous	kVA	13.6	11.4	6.5	5.3	
Dry mass (back plate / SAE#6 bell housing / SAE#5 bell housing)				kg	91/100/104			
Dimensions (back plate)		Length × Width × Height		mm	758 × 474 × 668			

TNVseries Power Pack



Genepack A

Genepack B

ENGINE SPEC. SELECTION CODE

Power Pack Group	Application	3TNV 70	3TNV 76	3TNV 88(-B)	4TNV 88(-B)	4TNV 98(-Z)	4TNV 98T(-Z)
Group A	General industrial use	—	-CS	-DS	-DS	-NS	-NS
	Generator use (open type)	4-pole —	-GA	-GA	-GA	-GA	-GA
Group B	Generator use (enclosed type)	2-pole -HB	-HB	—	—	—	—
		4-pole —	-GB	-GB	-GB	-GB	-GB

OUTPUT & DIMENSIONS / Industrial use

Engine Model		3TNV76	3TNV88(-B)	4TNV88(-B)	4TNV98(-Z)	4TNV98T(-Z)
Code		-CS	-DS	-DS	-NS	-NS
Rated Output kW/min ⁻¹ (rpm)		18.7/3200	26.8/3000	35.4/3000	50.7/2500	62.5/2500
Weight kg		128	181	211	280	284
Dimensions	Length mm	814	821	1002	1041	938
	Width mm	514	609	609	703	703
	Height mm	696	792	824	940	927

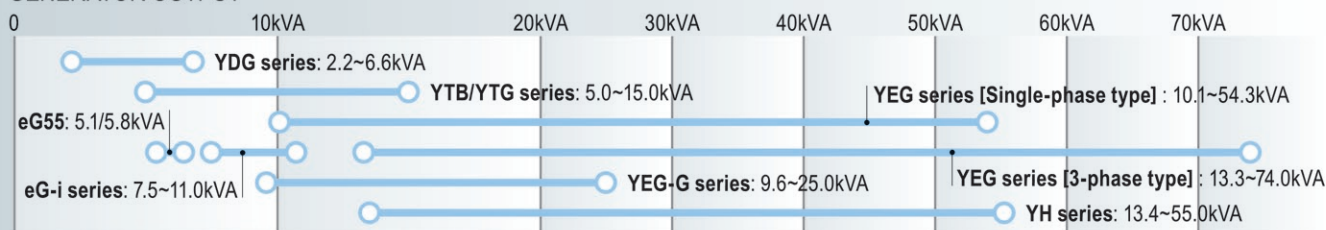
OUTPUT & DIMENSIONS / Generator use

Engine Model		3TNV70		3TNV76		3TNV76				3TNV88(-B)				4TNV88(-B)				4TNV98(-Z)				4TNV98T(-Z)			
Code		-HB		-HB		-GA		-GB		-GA		-GB		-GA		-GB		-GA		-GB		-GA		-GB	
No. of Poles		2-pole						4-pole																	
Frequency		Hz	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	50	60	
@min ⁻¹ (rpm)		3000	3600	3000	3600	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800		
Engine Output	Prime power rating	kW	12.1	14.5	15.1	17.7	8.2	9.8	8.2	9.8	12.2	14.7	12.2	14.7	16.4	19.6	16.4	19.6	30.7	36.4	30.7	36.4	37.7	45.3	
	Rated output	kW	13.3	16.0	16.5	19.5	9.0	10.7	9.0	10.7	13.2	16.2	13.2	16.2	18.0	21.6	18.0	21.6	34.1	40.8	34.1	40.8	41.4	50.1	
Applicable Generator Capacity	Prime power rating	kVA	12.4	15.0	16.0	18.4	8.4	10.0	8.4	10.0	12.6	15.4	12.6	15.4	17.0	20.6	17.0	20.6	33.2	40.0	33.2	40.0	41.2	50.0	
	Rated output	kVA	13.6	16.6	17.1	20.2	9.2	11.0	9.2	11.0	13.5	16.8	13.5	16.8	18.7	22.7	18.7	22.7	36.7	44.4	36.7	44.4	45.0	55.0	
Weight		kg	115	125		122		125		180		175		210		202		280		271		284		276	
Dimensions	Length	mm	798	814		745		814		821		875		1002		1002		1041		1155		938		1154	
	Width	mm	518	518		518		518		609		609		609		609		703		703		703		703	
	Height	mm	683	694		696		672		792		731		824		726		926		846		925		846	

Note: When specification varies, the above engine speed and rated output will vary accordingly.



GENERATOR OUTPUT



WELDER RATED CURRENT



WATER COOLED DIESEL BRUSHLESS GENERATORS

YTB/YTG series

Generator Capacity **5.0~15.0kVA**

- Horizontal cylinder, 4-cycle, water cooled diesel engine generator.
- Brushless, self-exciting.
- Single phase / 2-wire and 3-phase / 4-wire.
- Open frame type.



SPECIFICATIONS

Model		YTB5.0S	YTG5.0S	YTG6.5S	YTG10S	YTG5.0T	YTG6.5T	YTG9.0T	YTG12.5T	YTG15T
Generator	Type	Brushless, self-excitation system								
	Frequency	Hz								
	Capacity	kVA/kW								
	No. of phase	Single phase (2 wire)								
Engine	Model	TF90M	TF90M	TF120M	TF160M	TF70M	TF90M	TF120M	TF160M	TS190R
	Type	Horizontal, 4-cycle, water-cooled diesel engine								
	Rated output	kW/min ⁻¹ (rpm)								
	Unit	kg								
Dry mass		189(Manual start) 200(Electric start)	170	180	307	178	198	243	318	388

WATER COOLED DIESEL WELDERS

YTW series

Welder Rated Current **70A~350A**

- Horizontal cylinder, 4-cycle, water cooled diesel engine welder.
- Brushless, self-exciting.
- High frequency welder (220Hz) making ark as stable as that of DC welder.



SPECIFICATIONS

Model		YTW200	YTW250	YTW300	YTW350
A.C. Generator	Rated current	A	180	230	320
	Welding current	A	70-200	70-250	70-350
	Rated voltage	V	29	32	36
	Welding rod size	mm	2.6-4.0	2.6-5.0	2.6-6.0
	Auxiliary power (220V)	kW	1.0 (220~240Hz)		1.5 (225Hz)
Engine	Model	TF120(E)	TF160(E)	TS190R(S)	TS230R(E)
	Type	Horizontal, 4-cycle			
	Cont. rating output	kW/min ⁻¹ (rpm)			
	Unit	kg			
Dry mass		220	290	355	400

AIR COOLED DIESEL GENERATORS

YDG seriesGenerator Max. Capacity **2.2~6.0kVA**

- 4-cycle, air cooled diesel engine generator.
- Open frame type.
- Voltage selection available from 120 to 240V for single phase models.



YDG2700N



YDG5500N

SPECIFICATIONS

Model		YDG2700N		YDG3700N		YDG5500N		YDG6600TN	
Generator	Type	Revolving field type 2 pole generator							
	Frequency Hz	50	60	50	60	50	60	50	60
	Max. AC output kVA	2.2	2.7	3.2	3.7	4.6	5.5	5.5	6.6
	No. of phase	Single phase						3-phase (single)	
Engine	Model	L48N5/6-G(E)Y		L70N5/6-G(E)Y		L100N5/6-G(E)Y		L100N5/6-GEYT	
	Type	Vertical, 4-cycle, air-cooled diesel engine							
	Cont. rating output kW/min ⁻¹ (rpm)	2.8/3000	3.1/3600	4.1/3000	4.4/3600	5.7/3000	6.6/3600	5.7/3000	6.6/3600
Unit	Dry mass (Starting system) kg	55 (Recoil) / 64 (Electric)		70 (Recoil) / 82 (Electric)		95 (Recoil) / 108 (Electric)		- / 108 (Electric)	

AIR COOLED DIESEL PUMPS

YDP seriesPump Max. Capacity **500~2100lit./min.**

- 4-cycle, air-cooled diesel engine pump.
- 4 type available - fresh water / semi-trash / trash / diaphragm.
- Semi-trash pump handles water with gravel and trash below 20 mm dia.
- Trash pump handles water containing 20-31 mm dia. gravel.
- Diaphragm pump handles high viscosity fluid or water with 25-31 mm dia. gravel and sludge.



Fresh water pump



Semi-trash pump



Trash pump



Diaphragm pump

SPECIFICATIONS

Type			Fresh water pump			Semi-trash pump			Trash pump			Diaphragm pump	
Model			YDP20N	YDP30N	YDP40N	YDP20STN	YDP30STN	YDP40STN	YDP20TN	YDP30TN	YDP40TN	YDP20DN	YDP30DN
Pump	Suc. & discharge dia.	mm	50	80	100	50	80	100	50	80	100	50	80
	Max. total head	m	32	28	26.5	22.5	23	25	24	27	25	15	
	Suction lift	m	7			7			7			7	
	Max. capacity	lit./min.	550	900	1300	550	850	1300	550	1150	1750	190	320
Engine	Model		L48NE		L70NE	L48NE		L70NE	L48NE	L70NE	L100NE	L48NE	
	Type		4-stroke, air cooled diesel engine										
	Max. output	kW/min ⁻¹ (rpm)	3.5/3600		4.9/3600	3.5/3600		4.9/3600	3.5/3600	4.9/3600	7.4/3600	3.5/3600	
Unit	Dry mass	kg	40	42	59	39	40	56	56	72	109	53	60

AIR COOLED DIESEL WELDER GENERATOR

YDW seriesCurrent Range **50~180A**

- 4-cycle, air cooled diesel engine welder-generator.
- Rectified DC welder with revolving field type AC generator.



YDW190N

SPECIFICATIONS

Model		YDW190N	
		Recoil	Dual start
Welder	Rated output kW	4.37	
	Rated current A	165	
	Rated voltage V	26.5	
	Applicable electrode mm(in.)φ	2.6~4.0 (0.10~0.16)	
A.C. generator	Rated output kW	2.3 (50Hz) / 2.7 (60Hz)	
	Type	Single cylinder, vertical, 4-cycle, air-cooled diesel engine	
Engine	Model	L100N6-GYW	L100N6-GEYW
	Max. output kW(hp)/min ⁻¹ (rpm)	7.4(10.0)/3600	
Unit	Dry mass kg	107	120



AIR COOLED DIESEL GENERATORS

eG55

[2-Pole, Single-phase, Silent type]

Generator Output **5.1/5.8kVA**

- 4-cycle, air cooled diesel engine generator.
- Silent type available.
- Voltage selection available from 110,220,230,240V for single phase models.



eG55N

SPECIFICATIONS

Model			eG55N	
Generator	Type		Self exciting, field rotating, AVR	
	Frequency	Hz	50	60
	Max. AC output	kVA	5.1	5.8
	No. of phase		Single phase	
Engine	Model		L100N5	L100N6
	Type		Vertical, air-cooled, 4-stroke diesel	
	Cont. rating output	kW/min ⁻¹ (rpm)	5.7/3000	6.6/3600
	Starting system / motor	(V-kW)	Electric / 12-0.8	
Unit	Dry mass (Starting system)	kg	171 (Electric)	

WATER COOLED DIESEL GENERATORS

YH series

[4-Pole, Three-phase, Silent type]

Generator Output **13.4~54.7kVA**

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- 3-phase 4-wire, voltage selection available from 220 to 415V.
- Silent type available.



YH170DTLS



YH220DTLS-YH550DTLS

SPECIFICATIONS

Model				YH170DTLS		YH220DTLS		YH280DTLS		YH440DTLS		YH550DTLS		
Frequency				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
Generator	Output	Stand-by power rating	kVA	13.4	16.0/16.5	18.5	21.3/23.1	22.0	26.6/28.4	36.9	43.5/44.4	45.0	47.8/54.7	
			kW	10.7	12.8/13.2	14.8	17.0/18.5	17.6	21.3/22.7	29.5	34.8/35.5	36.0	38.2/43.8	
		Prime power rating	kVA	12.5	14.9/15.1	17.1	19.8/20.9	20.2	24.7/25.8	33.4	39.6/39.9	41.3	45.0/49.7	
			kW	10.0	11.9/12.1	13.7	15.8/16.7	16.2	19.8/20.6	26.7	31.7/31.9	33.0	36.0/39.8	
	Phase and wire			3-phase, 4-wire										
	Excitation			Brushless (with damper coil) AVR										
Engine	Model			3TNV88-GGEH		4TNV88-GGEH		4TNV84T-GGEH		4TNV98-GGEH		4TNV98T-GGEH		
	Type			Vertical, air-cooled, 4-stroke diesel										
	Cont. rating output			kW	12.2	14.7	16.4	19.6	19.1	24.2	30.7	36.4	37.7	45.3
	Rated output			kW	13.2	16.2	18.0	21.6	21.0	26.8	34.1	40.8	41.4	50.1
	Revolutions			min ⁻¹ (rpm)	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Unit	Dry mass			kg	691		870		885		950		960	

WATER COOLED DIESEL GENERATORS

YEG series

[Single-phase type] Generator Output 10.1/54.3kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- Single-phase 2-wire or 3-wire, voltage selection available from 110 to 240V.
- Canopy type and Silent type available.



YEG200DSHS



YEG300DSHC



YEG170DSLC



YEG450DSLS

SPECIFICATIONS: Single-phase / 2-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

Model*1	Canopy type			YEG150DSHC		YEG200DSHC		YEG300DSHC		YEG400DSHC		YEG500DSHC	
	Silent type			YEG150DSHS		YEG200DSHS		YEG300DSHS		YEG400DSHS		YEG500DSHS	
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
Generator	Output	Stand-by power rating	kVA	10.1	12.2	12.8	15.2	19.2	22.3	26.6	30.4	34.3	
			kW	10.1	12.2	12.8	15.2	19.2	22.3	26.6	30.4	34.3	
		Prime power rating	kVA	9.1	11.0	11.7	13.8	17.5	20.3	24.1	28.0	30.4	
			kW	9.1	11.0	11.7	13.8	17.5	20.3	24.1	28.0	30.4	
	Phase and wire			Single-phase, Two-wire									
Excitation			Brushless (with damper coil) AVR										
Engine	Model*2	Canopy type	3TNV70-HGB2C			3TNV76-HGB2C			3TNE84-GB2C		4TNE84-GB2C		4TNE84T-GB2C
		Silent type	3TNV70-HGB2B			3TNV76-HGB2B			3TNE84-GB2B		4TNE84-GB2B		4TNE84T-GB2B
	Type			Vertical, 4-cycle, water-cooled diesel engine									
	Cont. rating output		kW	12.1	14.5	15.1	17.7	22.4	26.1	29.9	34.7	37.1	
	Rated output		kW	13.3	16	16.5	19.5	24.6	28.7	32.9	38.2	41.2	
	Revolutions		min ⁻¹ (rpm)	3000	3600	3000	3600	3000	3600	3000	3600	3000	
Unit	Dry mass	Canopy type	kg	300		310		430		480		500	
		Silent type	kg	400		435		585		685		715	

SPECIFICATIONS: Single-phase / 4-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

Model*1	anopy type			YEG170DSLC		YEG230DSLC		YEG450DSLC		-		-	
	Silent type			YEG170DSLS		YEG230DSLS		YEG450DSLS		YEG650DSLS		YEG750DSLS	
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Generator	Output	Stand-by power rating	kVA	10.8	13.0	14.4	17.3	28.2	33.5	38.6	45.5	45.7	54.3
			kW	10.8	13.0	14.4	17.3	28.2	33.5	38.6	45.5	45.7	54.3
		Prime power rating	kVA	9.8	11.8	13.1	15.7	25.2	29.8	35.1	41.3	41.5	49.3
			kW	9.8	11.8	13.1	15.7	25.2	29.8	35.1	41.3	41.5	49.3
	Phase and wire			Single-phase, Two-wire									
Excitation			Brushless (with damper coil) AVR										
Engine	Model*2	Canopy type	3TNV88-GGB1C			4TNV88-GGB1C		4TNV98-GGB1C		-		-	
		Silent type	3TNV88-GGB1B			4TNV88-GGB1B		4TNV98-GGB1B		4TNV106-GGB1B		4TNV106T-GGB1B	
	Type		Vertical, 4-cycle, water-cooled diesel engine										
	Cont. rating output		kW	12.2	14.9	16.5	19.9	30.7	36.4	44.9	53.3	51.4	61.5
	Rated output		kW	13.4	16.4	18.2	21.9	34.1	40.8	49.4	58.7	56.6	67.7
	Revolutions		min ⁻¹ (rpm)	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Unit	Dry mass	Canopy type	kg	440		515		715		-		-	
		Silent type	kg	575		635		890		1210		1230	

WATER COOLED DIESEL GENERATORS

YEG series

[3-phase type] Generator Output 13.3~74.0kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- 3-phase 4-wire, voltage selection available from 220 to 415V.
- Canopy type and Silent type available.



YEG200DTHS



YEG300DTHC



YEG170DTHC



YEG450DTHS

SPECIFICATIONS: 3-phase / 2-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

Model*1	Canopy type			YEG150DTHC		YEG200DTHC		YEG300DTHC		YEG400DTHC		YEG500DTHC	
	Silent type			YEG150DTHS		YEG200DTHS		YEG300DTHS		YEG400DTHS		YEG500DTHS	
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	
Generator	Output	Stand-by power rating	kVA	13.3	16	16.9	20	25.2	29.4	35	40.1	45.2	
			kW	10.6	12.8	13.5	16	20.1	23.5	28	32	36.1	
		Prime power rating	kVA	12	14.5	15.3	18.2	23	26.8	31.8	36.9	40	
			kW	9.6	11.6	12.3	14.5	18.4	21.4	25.4	29.5	32	
	Phase and wire			3-phase, 4-wire									
Excitation			Brushless (with damper coil) AVR										
Engine	Model*2	Canopy type	3TNV70-HGB2C			3TNV76-HGB2C		3TNE84-GB2C		4TNE84-GB2C		4TNE84T-GB2C	
		Silent type	3TNV70-HGB2B			3TNV76-HGB2B		3TNE84-GB2B		4TNE84-GB2B		4TNE84T-GB2B	
	Type		Vertical, 4-cycle, water-cooled diesel engine										
	Cont. rating output		kW	12.1	14.5	15.1	17.7	22.4	26.1	29.9	34.7	37.1	
	Rated output		kW	13.3	16	16.5	19.5	24.6	28.7	32.9	38.2	41.2	
	Revolutions		min ⁻¹ (rpm)	3000	3600	3000	3600	3000	3600	3000	3600	3000	
Unit	Dry mass	Canopy type	kg	300			310		430		480		500
		Silent type	kg	400			435		585		685		715

SPECIFICATIONS: 3-phase / 4-pole

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

Model*1	Canopy type			YEG170DTLC		YEG230DTLC		YEG450DTLC		-		-	
	Silent type			YEG170DTLS		YEG230DTLS		YEG450DTLS		YEG650DTLS		YEG750DTLS	
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
Generator	Output	Stand-by power rating	kVA	13.8	16.7	18.7	22.7	37.4	44.4	54.1	64.1	62.0	74.0
			kW	11.1	13.4	14.9	18.1	29.9	33.5	43.3	51.3	49.6	59.2
		Prime power rating	kVA	12.6	15.2	17.0	20.6	33.4	39.6	49.2	58.3	56.2	67.2
			kW	10.1	12.1	13.6	16.5	26.7	31.7	39.3	46.6	45.0	53.8
	Phase and wire			3-phase, 4-wire									
Excitation			Brushless (with damper coil) AVR										
Engine	Model*2	Canopy type	3TNV88-GGB1C			4TNV88-GGB1C		4TNV98-GGB1C		-		-	
		Silent type	3TNV88-GGB1B			4TNV88-GGB1B		4TNV98-GGB1B		4TNV106-GGB1B		4TNV106T-GGB1B	
	Type		Vertical, 4-cycle, water-cooled diesel engine										
	Cont. rating output		kW	12.2	14.9	16.5	19.9	30.7	36.4	44.9	53.3	51.4	61.5
	Rated output		kW	13.4	16.4	18.2	21.9	34.1	40.8	49.4	58.7	56.6	67.7
	Revolutions		min ⁻¹ (rpm)	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Unit	Dry mass	Canopy type	kg	440		515		715		-		-	
		Silent type	kg	575		635		890		1210		1230	

WATER COOLED DIESEL GENERATOR

eG-i series **Inverter**

Generator Output 7.5~11.0kVA

- Brushless with new AVR.
- 4-cycle, water cooled diesel engine generator.
- Single-phase 2-wire, voltage available 240V.



eG100i

SPECIFICATIONS

Model				eG100i	eG140i
Frequency				50Hz / 60Hz	50Hz / 60Hz
Generator	Output	Stand-by power rating	kVA	7.5	11.0
			kW	7.5	11.0
		Prime power rating	kVA	7.0	10.0
			kW	7.0	10.0
	Phase and wire			Single-phase, 2-wire	
	Excitation			PMG type	
Engine	Model			2TNV70-ASG	3TNM68-ASG
	Type			Vertical, 4-cycle, water-cooled diesel engine	
	Cont. rating output	kW/min ⁻¹ (rpm)	8.5 / 3600		12.5 / 3600
	Rated output	kW/min ⁻¹ (rpm)	9.3 / 3600		13.8 / 3600
	Revolutions	min ⁻¹ (rpm)	2300~3400		
Unit	Dry mass		kg	257	281

GAS ENGINE GENERATORS

YEG-G series

Generator Output 9.6~25.2kVA

- Brushless with new AVR.
- 4-cycle, water cooled gas engine generator.
- 3-phase 4-wire, voltage available 380V.



YEG160NTLC

SPECIFICATIONS

Model*1: Suffix "-C" for canopy, and "-S" for silent type Model*2: Suffix "-C" for canopy, and "-B" for silent type

Model*1	Canopy type			YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC
	Silent type			YEG160NTLS	YEG160PTLS	YEG160NSLS	YEG160PSLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG250PSHS
	Frequency			50Hz / 60Hz					50Hz		
Generator	Output	Stand-by	kVA	12.6/15.2		9.6/11.5		25.2		19.2	
		power rating	kW	10.1/12.1		9.6/11.5		20.1		19.2	
		Prime	kVA	11.6/13.9		8.8/10.6		23.0		17.5	
		power rating	kW	9.3/11.1		8.8/10.6		18.4		17.5	
	Phase and wire			3-phase, 4-wire		Single phase, 2 or 3 wire		3-phase, 4-wire		Single phase, 2 or 3 wire	
	Excitation			Brushless (with damper coil) AVR							
Engine	Model*2	Canopy type	3GP88-GB1NC	3GP88-GB1PC	3GP88-GB1NC	3GP88-GB1PC	3GP88-GB2NC	3GP88-GB2PC	3GP88-GB2NC	3GP88-GB2PC	
		Silent type	3GP88-GB1NB	3GP88-GB1PB	3GP88-GB1NB	3GP88-GB1PB	3GP88-GB2NB	3GP88-GB2PB	3GP88-GB2NB	3GP88-GB2PB	
	Type		Vertical, 4-cycle, water-cooled gas engine								
	Cont. rating output	kW	11.3/13.6					22.3			
	Rated output	kW	12.3/14.8					24.5			
	Revolutions	min ⁻¹ (rpm)	1500/1800					3000			
	Fuel		Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane gas	
Unit	Dry mass	kg	430 (Canopy type) · 565 (Silent type)								

Yanmar Europe B.V.

Brugplein 11, 1332 BS Almere-de Vaart, The Netherlands
Tel : 31-36-5493200 www.yanmar.nl

Yanmar Italy S.p.A.

Via Carlo Noe', 43/A, 21013 Gallarate (Varese), Italy
Tel : 39-0331-706.601 www.yanmaritaly.it

Yanmar America Corp.

101 International Parkway, Adairsville, GA 30103, U.S.A.
Tel : 1-770-877-9894 www.yanmar.com

Yanmar Asia (Singapore) Corporation Pte. Ltd.

4 Tuas Lane, Singapore 638613
Tel : 65-6595-4200 www.yanmar.co.jp/yasc

Yanmar Engine (Shanghai) Co., Ltd.

10F, E-Block POLY PLAZA, No.18 Dongfanf Road,
Pudong Shanghai, China
Tel : 86-21-68805090 www.yanmar-sha.com

Yanmar Co., Ltd.

YANMAR FLYING-Y BUILDING,
1-32, Chayamachi, Kita-ku, Osaka 530-8311, Japan
Tel : 81-6-6376-6411 yanmar.com

Note : All data subject to alteration without notice.

Printed in Japan
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