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Solutioneering Together

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Printed in Japan

001H0-G000204 1204 0810®

DIESEL GENERATORS

eG·YEG series







The New YEG Series Know the Dependability and **Economy of World Class Power Generation**

Quiet, safe, clean and ready to use, the New YEG series generator sets are the topquality, straightforward answer to your power needs. You get the advantages of 2-pole and 4-pole generations in a newly enhanced, durable, cost-saving form, and the old noise of high-speed operation simply no longer applies. That is worth repeating for clients who don't trust the durability of 2-pole units. You'll change your mind with this superb Yanmar engine inside! Two versions are available: the canopy and sound proofed bonnet models, depending on what you need.

Quiet and Good to the Environment

The first thing you notice about the New YEG series is that there is so little noise. Yanmar's own CAE techniques have gauged the stiffness of materials just right and damped radiant noise. Those methods have also produced the perfect muffler volumes and optimum use of sound isolation materials. It all adds up to extralow noise that is ideal for use in urban and residential areas.

The all-round peoplefriendliness is obvious in the exhaust data, too, thanks to the Yanmar TNV engines. The New YEG series features

even better flow mixing in the main chamber and the special mouth around the injector, plus efficient use of incoming air for cleaner burning and low emissions.

The New YEG series gives the air and fuel charging more fluid energy. The swirl continues during combustion for even better mixing and lower emissions.

The New YEG series is kind to the environment. Beside low noise and emissions, it contains no asbestos, mercury, polybrominated biphenyl, polybrominated diphenyl ether or cadmium. The use of safe materials was a core theme from the word go.

Compact, Powerful and Long-lasting

Yanmar has a long tradition of

producing world-beating small, hard-working engines. Their combination here with superb Single-phase, 2-wire /3-phase, 4wire generators, tried and tested in many harsh working environments across Asia and the Middle East, brings substantially bigger generation capacity for the same package size. Both the canopy and sound proofed bonnet versions are lightweight and take up very little

The TNV are Yanmar's state-ofthe-art small industrial engines,

now even more durable than ever due to enhanced block cooling, stiffer cranks and pistons, and finer journal and other tolerance. The gensets have protective devices against lubrication oil pressure drop, excessive water temperature rise and faulty battery charging. These are gensets that will continue to run and run.

Fuel Thrifty and Easy to Run, Simple to Maintain

Yanmar has developed a remarkable new shape for the air flow of the combustion chamber through a rigorous process of experimentation and analysis. It achieves great mixing of fuel with air that maximizes air use and minimizes fuel consumption. The combination of low fuel consumption engines with highefficiency power generation makes these quality gensets remarkably cheap to run.

The convenience extends to every aspect of use and

maintenance. You can put the light and compact New YEG almost anywhere without special foundation work, and all components are mounted on the single bed. Specially designed anti-vibration blocks establish even smoother running. The various filters and battery are

located on the same side as the instrument panel for straightforward daily inspection and handling.

In fact, all engine, generator and power functions are operated from a single location, and the control panel is big, high up and easy to see! The New YEG is a dream series for sureness and simplicity of use.

All the Safety of Yanmar

Full attention is given to the fine details of safety and dependability that count for so much. The output terminals are covered and placed well way from the instrument panel to prevent electric shocks etc. An earth

terminal is included. All rotating parts are well covered, too, for accident-free operation. The use of damper coils in the brushless. AVR generation increases reliability still further by equalizing wave distortion.

You can trust Yanmar, too, because as a New YEG series owner you qualify for the extensive support, service and parts supply of Yanmar's worldwide network. That is the security of being a valued part of Yanmar's global family.











space.





DIESELGENERATORS

YEGseries [2-pole] 10.1~45.2kVA

- The New YEG150 and YEG200 satisfy EPA Tier 2.
- The New YEG300/400/500 give the air and fuel charging more fluid energy.
- Yanmar has a long tradition of producing world-beating small, high-speed, hard-working engines.
- The big fuel tank is good for over 8 hours' continuous use at 70% load.



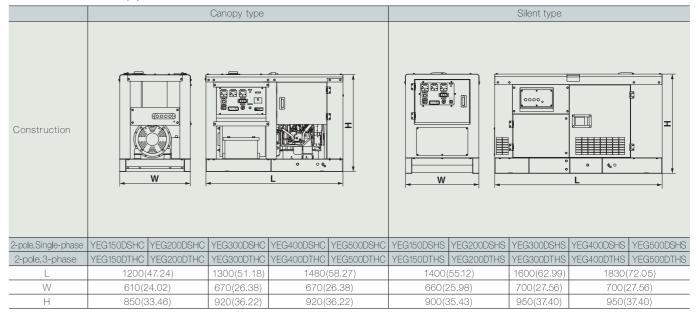


SPECIFICATIONS [2-pole, Single-phase]

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

	Canopy typ	ne poio,	Ĭ		ODSHC	YEG20)ODSHC	YEG30	ODSHC		ODSHC	YEG500DSHC			
Model*1	Silent type				ODSHS		ODSHS		ODSHS			YEG500DSHS			
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz					
	Troquency	Stand-by	kVA	10.1	12.2	12.8	15.2	19.2	22.3	26.6					
		power rating	kW	10.1	12.2	12.8	15.2	19.2	22.3						
	Outout	Prime power	kVA	9.1	11.0	11.7	13.8	17.5	20.3						
		rating	kW	9.1	11.0	11.7	13.8	17.5	20.3						
	Voltage		V					30,240 (110,							
Generator	Revolutions	min ⁻	¹(rpm)	3000	3600	3000	3600	3000	3600			3000			
0.01.10.10.00	Phase and		(- /						ase, 2-wire						
	Power factor	or	%						00						
	Insulation								or, rotor)						
	No. of pole	S							2						
	Excitation						Brus	hless (with o	damper coil) AVR	SOUDSHS YEG500DS SOHZ SOHZ				
	Туре							al, 4-cycle, v	· ·		24.1 28.0 30. 24.1 28.0 30. 24.1 28.0 30. 0,120,240) 3000 3600 300 AVR diesel 4TNE84-GB2C 4TNE84T 4TNE84-GB2B 4TNE84T 4-84 X 90 4-84 X 1.995 1.995 29.9 34.7 37. 32.9 38.2 41. Direct injection TC 2.7 2.4 7.9 7.9 2.5 2.5				
		Canopy type		3TNV70)-HGB2C	3TNV76	5-HGB2C		4-GB2C		4-GB2C	4TNE84T-GB2C			
	Model*2	Silent type)-HGB2B		6-HGB2B		4-GB2B	-		4TNE84T-GB2B			
	No. of cyls	- bore x stroke	mm		X 74		X 82		X 90			4-84 X 90			
	Displaceme		lit.		354		116		196						
		rating output	kW	12.1	14.5	15.1	17.7	22.4	26.1						
	Rated outp		kW	13.3	16	16.5	19.5	24.6	28.7						
	Revolutions		¹(rpm)					1	/3600						
	Combustio	n system			Swirl pre-combustion (IDI) Direct injection										
	Cooling sys						. ,	Rad	iator		,				
	Aspiration														
Engine	Lubricating	system						Forced Iu	ubrication						
	Starting sy							Elec	otric						
	Fuel							Diese	el fuel						
	Lubricant							API service	e:CD grade						
	Cooling	Engine	lit.	0	.9).9		2	2	.7	2.7			
	Cooling water	Radiator	lit.	1	.2	1	1.2	1	.2	2	.4	2.4			
	Lubricant	Total	lit.	3	.8	4	1.4	7	.5	7	.9	7.9			
	qty	Effective	lit.	1	.7	2	2.1		2	2	.5	2.5			
	Starting mo	otor	V-kW	12-	-1.0	12	-1.1	12-	-1.2	12-	-1.4	12-1.4			
	Charging d	ynamo	V-A			'		12V	-15A			•			
	Battery (5H	R)	V-AH		12-52 (6	65D26R)				12-60 (7	75D31R)				
	Fuel consum	ption (70% load)	lit./hr	3.1	3.6	3.9	4.5	4.6	5.7	6.2	7.6	7.7			
UNIT	Noise level (4/4load, 7		dB(A)	74	76	76	80	83	87	86	90	86			
(canopy type)	Fuel tank of	apacity	lit.		4	10	1	1 6	50		-	70			
rhhe)	Dry weight		kg	30	00	3	10	4	30	48	80	500			
UNIT (silent	Noise level (4/4load, 7		dB(A)	68	71	70	73	67	73	68	71	69			
(silent type)	Fuel tank of	apacity	lit.			50		7	0			70			
., 60,	Dry weight		kg	40	00	4	35	5	35	68	85	715			

DIMENSIONS Unit=mm(in.)



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

			ase]					Mode	2:5ullix-	o for canopy,	and-"S"for silent typ and-"B"for silent typ
Canopy typ	ое		YEG15	50DTHC	YEG20	ODTHC	YEG30	ODTHC	YEG40	DODTHC	YEG500DTHC
Silent type			YEG15	50DTHS	YEG20	OODTHS	YEG30	ODTHS	YEG40	DODTHS	YEG500DTHS
Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50HZ
	Stand-by	kVA	13.3	16.0	16.9	20.0	25.2	29.4	35.0	40.1	45.2
Outout	power rating	kW	10.6	12.8	13.5	16.0	20.1	23.5	28.0	32.0	36.1
Catoat	Prime power	kVA	12.0	14.5	15.3	18.2	23.0	26.8	31.8	36.9	40.0
	rating	kW	9.6	11.6	12.3	14.5	18.4	21.4	25.4	29.5	32.0
Voltage		V	380	380/220	380	380/220	380	380/220	380	380/220	380
Current (pr	ime power)	Α	18.2	22.0/38.1	23.2	27.7/47.8	34.9	40.7/70.3	48.3	56.1/96.8	60.8
Voltage (sir	ngle phase)	V	220	220/127	220	220/127	220	220/127	220	220/127	220
Revolutions	s min ⁻	¹(rpm)	3000	3600	3000	3600	3000	3600	3000	3600	3000
Phase and	wire						3-phase	e, 4-wire			
Power fact	or	%					80 (d	delay)			
Insulation							F (State	or, rotor)			
No. of pole	S							2			
Excitation						Brush	nless (with	damper coil)	AVR		
Туре						Vertica	l, 4-cycle, v	vater-cooled	d diesel		
Madal*0	Canopy type		3TNV7	O-HGB2C	3TNV76	S-HGB2C	3TNE8	4-GB2C	4TNE8	4-GB2C	4TNE84T-GB2C
IVIOGEI 2	Silent type		3TNV7	D-HGB2B	3TNV76	S-HGB2B	3TNE8	4-GB2B	4TNE8	4-GB2B	4TNE84T-GB2B
No. of cyls	- bore x stroke	mm	3-70) X 74	3-76	X 82	3-84	X 90	4-84	X 90	4-84 X 90
Displaceme	ent	lit.	0.	854	1.1	116	1.4	196	1.9	995	1.995
Continuous	rating output	kW	12.1	14.5	15.1	17.7	22.4	26.1	29.9	34.7	37.1
Rated outp	out	kW	13.3	16	16.5	19.5	24.6	28.7	32.9	38.2	41.2
Revolutions	s min-	¹(rpm)					3000	/3600			
Combustio	n system			Swirl p	re-combust	tion (IDI)			D	irect injectio	n
Cooling sys	stem						Rad	iator			
Aspiration						N	A				TC
Lubricating	system						Forced I	ubrication			
Starting sy	stem						Ele	otrio			
Fuel							Diese	el fuel			
Lubricant							API service	e:CD grade			
Cooling	Engine	lit.	().9	О).9		2	2	2.7	2.7
water	Radiator	lit.		1.2	1	.2	1	.2	2	2.4	2.4
Lubricant	Total	lit.	3	3.8	4	.4	7	.5	7	'.9	7.9
qty	Effective	lit.		1.7	2	2.1		2	2	2.5	2.5
Starting mo	otor	V-kW	12	-1.0	12	-1.1	12-	-1.2	12	-1.4	12-1.4
Charging d	ynamo	V-A					12V	-15A			
Battery (5H	HR)	V-AH		12-52 (6	65D26R)				12-60 (75D31R)	
Fuel consum	ption (70% load)	lit./hr	3.1	3.6	3.9	4.5	4.6	5.7	6.2	7.6	7.7
Noise level	(4/4load, 7m)	dB(A)	74	76	76	80	83	87	86	90	86
Fuel tank of	apacity	lit.		4	0	'	6	0		7()
		kg	3	00	3	10	4	30	4	80	500
Noise level	(4/4load, 7m)	dB(A)	68	71	70	73	67	73	68	71	69
		lit.			0	'	7	0		7(<u> </u>
Fuel tank of	apacity	III. I		U			1	0 1		/ /	J
	Silent type Frequency Outout Voltage Current (pr Voltage (sir Revolutions Phase and Power facti Insulation No. of pole Excitation Type Model*2 No. of cyls Displaceme Continuous Rated outp Revolutions Combustio Cooling sys Aspiration Lubricating Starting sy Fuel Lubricant Cooling water Lubricant qty Starting mo Charging d Battery (5F Fuel consum Noise level Fuel tank of Dry weight	Silent type Frequency Outout Stand-by power rating Prime power rating Voltage Current (prime power) Voltage (single phase) Revolutions min* Phase and wire Power factor Insulation No. of poles Excitation Type Model*2 Canopy type Silent type No. of cyls- bore x stroke Displacement Continuous rating output Rated output Revolutions min* Combustion system Cooling system Aspiration Lubricating system Starting system Fuel Lubricant Cooling Radiator Lubricant qty Effective Starting motor Charging dynamo Battery (5HR) Fuel tank capacity Dry weight	Silent type Frequency Outout Stand-by power rating kWA rating WWA rating Displement WWA rating WW	Silent type	Silent type	Silent type	Silent type	Silent type	Silent type	Silent type	Silent type

DIESELGENERATORS

YEGseries [4-pole] 10.8~74.0kVA

- The New YEG series satisfies EPA Tier 2.
- The New YEG series gives the air and fuel charging more fluid energy.
- The big fuel tank is good for over 12 hours' continuous use at 70% load for. YEG170,230 and450, and good for 10 hours for YEG650 and 750.





SPECIFICATIONS [4-pole, Single-phase]

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

	Canopy typ	ре		YEG17	ODSLC	YEG23	ODSLC	YEG45	60DSLC	-	-	-	-
Model*1	Silent type			YEG17	ODSLS	YEG23	30DSLS	YEG45	50DSLS	YEG65	50DSLS	YEG75	0DSLS
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
		Stand-by	kVA	10.8	13.0	14.4	17.3	28.2	33.5	38.6	45.5	45.7	54.3
	Outout	power rating	kW	10.8	13.0	14.4	17.3	28.2	33.5	38.6	45.5	60Hz 50Hz 45.5 45.7 45.5 45.7 45.5 45.7 41.3 41.5 1800 1500 H(Stator,rotor) H(Stator,rotor) GB1B 4TNV106T 25 4-106.3 51.4 58.7 56.6 TC TC 6 3.8 14 9 9 12-3 A 12V-6 E41) 12-88(11 10.57 10.36	54.3
	Outout	Prime power	- kVA	9.8	11.8	13.1	15.7	25.2	29.8	35.1	41.3		49.3
		rating	kW	9.8	11.8	13.1	15.7	25.2	29.8	35.1	41.3	41.5	49.3
	Voltage		V				50Hz : 22	20,240 60H	z:110/120,	120/240			
Generator	Revolution	s mir	n ⁻¹ (rpm)	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
	Phase and	wire						Single-pha	ase, 2-wire				
	Power fact	or	%					10	00				
	Insulation					F(State	or,rotor)				H(State	or,rotor)	
	No. of pole	es						4	1				
	Excitation						Brus	hless (with	damper coil)AVR			
	Туре						Vertica	l, 4-cycle, v	vater-coole	d diesel			
	Model*2	Canopy type	Э	3TNV88	-GGB1C	4TNV88	3-GGB1C	4TNV98	-GGB1C	-	=	-	-
	Iviodel 2	Silent type		3TNV88	-GGB1B	4TNV88	3-GGB1B	4TNV98	-GGB1B	4TNV 106	6-GGB1B	4TNV 106	T-GGB1
	No. of cyls	-bore x stroke	e mm	3 - 88	3 X 90	4 - 88	3 X 90	4 - 98	X 1 10	4 - 106	X125	4-106	X125
	Displaceme	ent	lit.	1.6	642	2.	190	3.3	319	4.4	112	4.4	12
	Continuous	rating output	kW	12.2	14.9	16.5	19.9	30.7	36.4	44.9	53.3	51.4	61.5
	Rated outp	out	kW	13.4	16.4	18.2	21.9	34.1	40.8	49.4	58.7	56.6	67.7
	Revolution	s mir	n ⁻¹ (rpm)			•		1500	/1800				
	Combustio	n system						Direct in	njection				
	Cooling sy	stem						Rad	iator				
	Aspiration						N	JA.				Т	С
Engine	Lubricating	system						Forced I	ubrication				
	Starting sy	stem						Elec	etric				
	Fuel							Diese	el fuel				
	Lubricant							API service	: CD grade				
	Cooling	Engine	lit.		2	2	.7	4	.2	(3	(3
	water	Radiator	lit.	1	.2	2	.2	3	.8	3	.8	3.	8
	Lubricant	Total	lit.	6	.7	7	.4	10).5	1	4	1	4
	qty	Effective	lit.	2	.8	3	.4	5	.5	(9	()
	Starting m	otor	V-kW	12-	-1.2	12-	-1.4	12-	2.3	12-	-3.0	12-	3.0
	Charging c	lynamo	V-A	12V	-15A	12V	-15A	12V	-20A	12V	-60A	12V-	-60A
	Battery (5H	HR)	V-AH	12-60(75D31)	12-60	75D31)	12-64(95D31)	12-88(115E41)	12-88(1	15E41)
	Fuel consum	ption (70% load	l) lit./hr	2.31	2.87	2.94	3.71	5.53	6.86	8.82	10.57	10.36	12.39
UNIT	Noise leve (4/4load, 7		dB(A)	72	74	74	76	78	81	_	_	_	_
(canopy type)	Fuel tank of	capacity	lit.	6	0	7	0	12	20		_	-	-
() PO)	Dry weight		kg	44	40	5	15	7	15	-	_	-	-
UNIT	Noise leve (4/4load, 7		dB(A)	59	64	63	65	63	65	68.5			69.5
(silent type)	Fuel tank of	opposity	lit.	6	0	7	0	12	20	10	30	13	30
	Fuel lank (apacity	116.			l						I	

DIMENSIONS Unit=mm(in.)

		Canopy type		Silent type						
Construction	(COCOD) W		T	W		00000	• 4°			
4-pole, Single-phase	YEG170DSLC	YEG230DSLC	YEG450DSLC	YEG170DSLS	YEG230DSLS	YEG450DSLS	YEG650DSLS	YEG750DSLS		
4-pole, 3-phase	YEG170DTLC	YEG230DTLC	YEG450DTLC	YEG170DTLS	YEG230DTLS	YEG450DTLS	YEG650DTLS	YEG750DTLS		
L	1300(51.2)	1480(58.3)	1600(63.0)	1600(62.99)	1830(72.05)	2050(80.71)	2350(92.52)	2350(92.52)		
W	670(26.4)	670(26.4)	750(29.5)	700(27.56)	700(27.56)	750(29.53)	920(36.22)	920(36.22)		
H	920(36.2)	920(36.2)	1000(39.4)	950(37.40)	950(37.40)	1050(41.34)	1350(53.15)	1350(53.15)		

SDECIEICATIONS [4 polo 2 phase]

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

SPECIFI	CATIONS	6 [4-pole,	3-ph	nase]					Mo	de l *2:Suffix-	"C" for cano	oy, and -"S"fo py, and -"B"fo	or silent type		
	Canopy ty	pe		YEG17	ODTLC	YEG23	RODTLC	YEG45	50DTLC	-	_	-	-		
Model*1	Silent type			YEG17	ODTLS	YEG23	BODTLS	YEG48	50DTLS	YEG65	ODTLS	YEG75	0DTLS		
	Frequency			50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
		Stand-by	kVA	13.8	16.7	18.7	22.7	37.4	44.4	54.1	64.1	62.0	74.0		
	Outout	power rating	kW	11.1	13.4	14.9	18.1	29.9	35.5	43.3	51.3	49.6	59.2		
	Outout	Prime power	kVA	12.6	15.2	17.0	20.6	33.4	39.6	49.2	58.3	56.2	67.2		
		rating	kW	10.1	12.1	13.6	16.5	26.7	31.7	39.3	46.6	45.0	53.8		
	Voltage		V				50Hz	z : 380,415	60Hz : 38	0,220					
	Current(pri	me power)	Α	19.1,17.5	23.1/39.9	25.8/23.7	31.3/54.1	50.7/46.5	60.2/104	74.8/68.4	88.6/153	85.4/78.2	102/176		
Generator	Voltage(sir	ngle phase)	V				50Hz	: 220,240	60Hz : 220	,127					
	Revolution	s min	¹(rpm)	1500	1800	1500	1800	1500	1800	1500	1800	1500	1800		
	Phase and	wire						3-phase	e, 4-wire						
	Power fact	or	%					80(d	delay)						
	Insulation							F(State	or,rotor)						
	No. of pole	es							4						
	Excitation						Brus	hless (with	damper coil)AVR					
	Туре						Vertica	I, 4-cycle, v	vater-coole	d diesel					
	Model*2	Canopy type		3TNV88	3-GGB1C	4TNV88	3-GGB1C	4TNV98	-GGB1C	-	_	-	-		
	Model 2	Silent type		3TNV88	3-GGB1B	4TNV88	3-GGB1B	4TNV98	-GGB1B	4TNV 106	6-GGB1B	4TNV 106	ST-GGB1		
	No. of cyls	s-bore x stroke	mm	3 - 88	3 X 90	4 - 88	3 X 90	4 - 98	X 110	4 - 106	X125	4 - 106	X125		
	Displaceme	ent	lit.	1.6	342	2.	190	3.0	319	4.4	112	4.4	12		
	Continuous	s rating output	kW	12.2	14.9	16.5	19.9	30.7	36.4	44.9	53.3	51.4	61.5		
	Rated outp	out	kW	13.4	16.4	18.2	21.9	34.1	40.8	49.4	58.7	56.6	67.7		
	Revolution	s min	-1(rpm)			•		1500	/1800						
	Combustic	n system						Direct i	njection						
	Cooling sy	stem						Rac	liator						
	Aspiration						N	١A				T	С		
Engine	Lubricating	system						Forced I	ubrication			•			
_	Starting sy	stem						Ele	otric						
	Fuel							Diese	el fuel						
	Lubricant							API service	e:CD grade						
	Cooling	Engine	lit.		2	2	2.7	4	.2	(3	6	3		
	water	Radiator	lit.	1	.2	2	2.2	3	.8	3	.8	3.	8		
	Lubricant	Total	lit.	6	.7	7	.4	10).5	1	4	1	4		
	qty	Effective	lit.	2	.8	3	3.4	5	.5	(9	9)		
	Starting m	otor	V-kW	12-	-1.2	12	-1.4	12	-2.3	12-	-3.0	12-	3.0		
	Charging of	lynamo	V-A	12V	-15A	12V	′-15A	12V	-20A	12V-	-60A	12V-	-60A		
	Battery (5H	HR)	V-AH	12-60	(75D31)	12-60	(75D31)	12-64	95D31)	12-88(115E41)	12-88(115E41)		
	Fuel consun	nption (70% load)	lit./hr	2.31	2.87	2.94	3.71	5.53	6.86	8.82	10.57	10.36	12.39		
UNIT	Noise leve	I (4/4load, 7m)	dB(A)	72	74	74	76	78	81	-	-	-	-		
(canopy	Fuel tank of	capacity	lit.	6	60	7	70	1:	20	-	-	-	-		
type)	Dry weight		kg	4	40	5	15	7	15	-	_	-	-		
UNIT	Noise leve	l (4/4load, 7m)	dB(A)	59	64	63	65	63	65	68.5	69.5	65	69.5		
(silent	Fuel tank of	capacity	lit.	6	60	7	70	1:	20	10	30	13	30		
					75		35				10	4-106 X1 4.412 53.3 51.4 58.7 56.6 TC TC 6 3.8 14 9 12-3.0 12V-60 4.1) 12-88(115 0.57 10.36			

DIESEL GENERATOR [POWERED BY MINIMAX ENGINE]

YEG140

Generator Output 8.8~14.0kVA

- Quiet and Good to the Environment
- Compact, Powerful and Long-lasting
- Fuel Thrifty and Easy to Run, Simple to Maintain
- All the Safety of Yanmar



SPECIFICATIONS

Model				YEG14	40DSHS	YEG14	40DTHS
Frequency			Hz	50	60	50	60
		Stand-by	kVA	8.8	11.0	11.8	14.0
	_	power rating	kW	8.8	11.0	9.5	11.2
	Outout	Prime power	kVA	8.0	10.0	10.8	12.7
		rating	kW	8.0	10.0	8.6	10.2
	Voltage		V	220,230,240	110/220(Dual) 120/240(Dual)	380,400,415	380/220(Dual)
Generator	Current(Pr	ime)	А	36.4,34.8,33.3	90.9/45.5,83.3/41.7	16.4, 15.6, 15.0	19.3/33.3
	Phase and	wire		Single Phase, 2-wire	Single Phase,3-wire(Dual)	3-Phase, 4-wire	3-Phase, 4-wire(Dual)
	Power fact	or	%	1	00	}	30
	Insulation of	class			Class F (St	ator,rotor)	
	No. of pole	es			2		
	Excitation				Brushless (with d	amper coil) AVR	
	Туре				Vertical, 4-cycle, w	ater-cooled diesel	
	Model				3TNM68	-HGB2B	
	No. of cycle	es-bore x stroke	e mm		3-68	x 72	
	Displaceme	ent	lit.		0.7	84	
	Continuous	rating output	kW	10.5	12.4	10.5	12.4
	Rated outp	out	kW	11.5	13.7	11.5	13.7
	Revolutions	s min ⁻	¹(rpm)	3000	3600	3000	3600
	Combustio	n system			Indirect inj	ection(IDI)	
	Cooling sys	stem			Radi	ator	
	Aspiration				Natural A	spiration	
Engine	Lubricating				Forced lubrication		
Liigiiie	Starting sy	stem			Electric		
	Fuel				Diesel fuel(BS2869		
	Lubricant				SAE 10W-30, API 0		
	Cooling	Engine	lit.		1.		
	water	Radiator	lit.		1.		
	Lubricant	Total	lit.		3.		
	qty	Effective	lit.		1.	-	
	Starting m		V-kW		12-		
	Charging c		V-A		12-		
	Battery (5		V-AH		12-45(4		
		1 /	lit./hr	2.9	3.8	2.9	3.8
		(4/4 load, 7m)		68	70	68	70
	Fuel tank of		lit.		38		
UNIT	D::	Length	mm		130		
	Dimension	Width	mm		64		
	D	Height	mm		69		
	Dry weight		kg		29	9	

DIESEL INVERTOR GENERATOR



Inverter

- High Quality Power Supply
- High Output
- Lightweight
- Compact Design Low Noise Level
- Energy-saving
- Operation



GAS ENGINE GENERATORS

YEG-Gseries 9.6~25.2kVA

Lifetime Economy

- The Long-Life, Ultra-Efficient Gas Engine
- The Long Service Intervals (Ignition plug, lube oil, lube oil filter etc.)

Dependable Electric Power

● Superior Governor Control ● Brushless with Damper Coil AVR

SPECIFICATIONS

Model*1:Suffix-"C" for canopy, and -"S" for silent type
Model*2:Suffix-"C" for canopy, and -"B" for silent type
*3 Fuel Heat Value (NET)kcal/m³:Natural gas = 8605 Propage gas = 21615

	Canopy typ	oe .		YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSH
Model*1	Silent type									19	
	Frequency		Hz	12010011120	50		1201001020	12020011110			120200101
	, , , , , , , , , , , , , , , , , , , ,	Stand-by	kVA	12.6	/15.2	9.6/	11.5	25			9.2
		power rating	kW		/12.1	9.6/		20.1			9.2
	Outout	Prime power	kVA	11.6	/13.9	8.8/	10.6	23	.0	1	7.5
		rating	kW	9.3/		8.8/		18			7.5
	Voltage	•	V	38	30	22	20	38	SO	2	20
Generator	Current (Pri	ime)	Α	17.6	/21.1	40.0/	48.2	34	.9	79	9.5
	Phase and	wire		3-Phase	e, 4-wire	Single Phase	, 2 or 3-wire	3-Phase	, 4-wire	Single Phase	e, 2 or 3-wire
	Power fact		%	80(la	gging)	1(80 (lag	ging)		00
	Insulation of	class			30 0		Class F (S	ator, rotor)			
	No. of pole	es			4	1			2	2	
	Excitation					Br	ushless (with o	damper coil) AV	'R		
	Type					Ver	tical, 4-cycle,	water-cooled	gas		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Canopy type		3GP88-GB1NC	3GP88-GB1PC	3GP88-GB1NC	3GP88-GB1PC	3GP88-GB2NC	3GP88-GB2PC	3GP88-GB2NC	3GP88-GB2F
	Model*2	Silent type									
	No. of cycle	es-borexstrok	e mm					x 90			
	Displaceme	ent	lit.				1.6	642			
	Continuous	rating output	kW		11.3	/13.6			22	1.3	
	Rated outp	out	kW		12.3	/14.8			24	5	
	Revolutions	s min ⁻	¹(rpm)		1500.	/1800			30	00	
	Combustio	n system				Sp	ark ignition(fu	II transistor typ	e)		
	Cooling sys	stem					Rad	iator			
	Lubricating	system				Ford	ed lubrication	by trochoid pu	ımp		
Engine	Starting sys	stem					Electric	starting			
	Fuel			Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane ga
	Lubricant					SAE 10	N-30, API clas	ss : SH grade c	r higher		
	Cooling	Engine	lit.				2	.0			
	water	Radiator	lit.				1	.2			
	Lubricant	Total	lit.				7	.5			
	qty	Effective	lit.				2	.0			
	Starting mo	otor	V-kW				12-	1.2			
	Charging d	lynamo	V-A				12	-15			
	Battery (5H	HR)	V-AH				12-60(7	'5D31R)			
	Fuel consul (4/4 load)*3		3/kWh	0.338	0.167	0.338	0.167	0.338	0.167	0.338	0.167
UNIT	Noise level	I (4/4 load, 7m)	dB(A)		71,	/73			 8	1	1
(canopy type)			kg			-	4:	30			
UNIT	,	I (4/4load, 7m)			58,	/61			6	8	
(silent type)	Dry weight		kg		00,			1 35		_	

SPECIFICATIONS

OF LOIL IC	SATION	10												
Model									eG100i					
Frequency			Hz	50/60		No. of cyc	les-bore x stroke	mm	2-70 x 74		Lubricant	Total	lit.	2.2
		Stand-by	kVA	7.5		Displacem	ent	lit.	0.570		qty	Effective	lit.	1
	Outout	Power ráting	kW	7.5		Continuous r	ating output kW/min ⁻¹ (i	pm)	8.5 / 3600		Starting mot	or	V-kW	12 - 1.0
	Output	Prime power	kVA	7.0		Rated out	out kW/min ⁻¹ (r	om)	9.3 / 3600		Charging dy	namo	V-A	12 - 40
		raiting '	kW	7.0		Revolution	s min ⁻¹ (rp	om)	2300 ~ 3400	Engine	Battery(5HR)	V-AH	12 - 36(55B24L)
	Voltage		V	110/120/220/230/240		Combustic	n system		Indirect injection (IDI)			25% load	lit./hr	1.1
Generator	Current(F	Prime)	Α	31.8		Cooling sy	stem		Radiator		Fuel	50% load	lit./hr	1.6
	Phase ar	nd wire		Single Phase, 2-wire		Aspiration			Natural Aspiration		consumption	75% load	lit./hr	2.2
	Power fa	ctor	%	100	Engine	Lubricating	, auatam		Forced lubrication by			100% load	lit./hr	3.0
	Insulation	n class		Class B		Lubricating	J SYSTEILI		trochoid pump		NI=i== I=::=I	25% load	dB(A)	63.5
	No. of po	les		Multipole		Starting sy	/stem		Electric starting		Noise level (7m)	75% load	dB(A)	65.5
	Excitation	1		PMG type		Fuel			Diesel fuel(BS2869A1 or		(*****)	100% load	dB(A)	67.5
				CVCF		ruei			equivalent)	UNIT	Fuel tank ca	oacity	lit.	32
la castas	Control	system		(Voltage & frequency		Lubricant			SAE 10W-30, API class:	ONLI		Length	mm	1080
Inverter				control system)		Lubricarit			CD or higher		Dimension	Width	mm	647
	Voltage v	wave		Sine wave		Cooling	Engine	lit.	0.9			Height	mm	686
Engine	Туре			2TNV70-ASG		water qty	Radiator	lit.	1.6		Dry weight		kg	257

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ACCESSORIES [2-pole, Single-phase / 2-pole, 3-phase]

○:Standard▲:Option

N 41 - 1	Canopy type		YEG150DSHC/DTHC	YEG200DSHC/DTHC	YEG300DSHC/DTHC	YEG400DSHC/DTHC	YEG500DSHC/DTHC
Model	Silent type		YEG150DSHS/DTHS	YEG200DSHS/DTHS	YEG300DSHS/DTHS	YEG400DSHS/DTHS	YEG500DSHS/DTHS
	Frequency me	ter	O(silent type only)	O(silent type only)	0	0	0
	AC voltmeter		0	0	0	0	0
	AC ammeter		O(silent type only)	(silent type only)	0	0	0
Generator control panel	Ammeter selec	ct switch	▲(silent type only)	▲(silent type only)	A	A	A
control parior	Voltage regula	tor	O(silent type only)	(silent type only)	0	0	0
	Circuit breaker		0	0	0	0	0
	Pilot lamp		O(silent type only)	(silent type only)	0	0	0
	Hour meter		0	0	0	0	0
	Fuel level gaug	ge	0	0	0	0	0
	Starting key s	witch	0	0	0	0	0
Engine control panel	Emergency sto	op button	O(silent type only)	(silent type only)	0	0	0
		Water temp.	0	0	0	0	0
	Warning lamp	L.O press.	0	0	0	0	0
		Battery charge	0	0	0	0	0
	High water ter	mp.	0	0	0	0	0
Protection system	Low oil press.		0	0	0	0	0
FroteCtion system	Battery charge	Э	0	0	0	0	0
	Over current s	hut off trip	0	0	0	0	0
	3-phase, 4-wir	re terminals	0	0	0	0	0
Output terminal	Single-phase,	2-wire terminals	0	0	0	0	0
	Ground termin	al	0	0	0	0	0
	Remote start/	stop system	A	A	A	A	A
Othoro	Automatic star	t/stop system	A	A	A	A	A
Others	Tarminal for Al	MF/ATS panels	A	A	A	A	A
	Wheel		A	A	A	A	A

ACCESSORIES [4-pole, Single-phase / 4-pole, 3-phase]

○:Standard▲:Option

ACCESSORIE	:S [4-pole, S	single-phase	/ 4-pole, 3-pha	se」		O:S	tandard▲:Option
	Canopy type		YEG170DSLC/DTLC	YEG230DSLC/DTLC	YEG450DSLC/DTLC	_	_
Model	Silent type		YEG170DSLS/DTLS	YEG230DSLS/DTLS	YEG450DSLS/DTLS	YEG650DSLS/DTLS	YEG750DSLS/DTLS
	Frequency me	ter	O(silent type only)	(silent type only)	0	0	0
	AC voltmeter		0	0	0	0	0
_	AC ammeter		O(silent type only)	(silent type only)	0	0	0
Generator control panel	Ammeter selec	ot switch	▲(silent type only)	▲(silent type only)	A	A	A
outroi parioi	Voltage regula	tor	O(silent type only)	(silent type only)	0	0	0
	Circuit breaker		0	0	0	0	0
	Pilot lamp		O(silent type only)	(silent type only)	0	0	0
	Hour meter		0	0	0	0	0
	Fuel level gaug	ge	0	0	0	0	0
Facino	Starting key sv	witch	0	0	0	0	0
Engine control panel	Emergency stop button		O(silent type only)	(silent type only)	0	0	0
'		Water temp.	0	0	0	0	0
	Warning lamp	L.O press.	0	0	0	0	0
		Battery charge	0	0	0	0	0
	High water ten	np.	0	0	0	0	0
Protection system	Low oil press.		0	0	0	0	0
Protection system	Battery charge	9	0	0	0	0	0
	Over current si	hut off trip	0	0	0	0	0
	3-phase, 4-wir	e terminals	0	0	0	0	0
Output terminal	Single-phase, 2	2-wire	0	0	0	0	0
	Ground termin	al	0	0	0	0	0
	Remote start/s	stop system	A	A	A	A	A
Othoro	Automatic star	rt/stop system	A	A	A	A	A
Others -	Tarminal for Al	MF/ATS panels	A	A	A	A	A
	Wheel		A	A	A	A	A

ACCESSORIES [YEG-G series]

○:Standard▲:Option

Madal	Canopy type		YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC
Model	Silent type		YEG160NTLS	YEG160PTLS	YEG300NSLS	YEG160PSLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG300PSHS
	Frequency met	er	0	0	0	0	0	0	0	0
	AC voltmeter		0	0	0	0	0	0	0	0
	AC ammeter		0	0	0	0	0	0	0	0
Generator control panel	Ammeter selec	t switch	A							
control parior	Voltage regula	tor	0	0	0	0	0	0	0	0
	Circuit breaker		0	0	0	0	0	0	0	0
	Pilot lamp		0	0	0	0	0	0	0	0
	Hour meter		0	0	0	0	0	0	0	0
	Fuel level gaug	e	0	0	0	0	0	0	0	0
	Starting key switch		0	0	0	0	0	0	0	0
Engine control panel	Emergency sto	op button	0	0	0	0	0	0	0	0
outro, parie.		Water temp.	0	0	0	0	0	0	0	0
	Warning lamp	L.O press.	0	0	0	0	0	0	0	0
		Battery charge	0	0	0	0	0	0	0	0
	High water ten	np.	0	0	0	0	0	0	0	0
Protection system	Low oil press.		0	0	0	0	0	0	0	0
FIOLECTION System	Battery charge)	0	0	0	0	0	0	0	0
	Over current s	hut off trip	0	0	0	0	0	0	0	0
	3-phase, 4-wir	e terminals	0	0	-	-	0	0	-	-
Output terminal	Single-phase, 2	e-wire terminals	-	-	0	0	-	-	0	0
	Ground termin	al	0	0	0	0	0	0	0	0
	Remote start/	stop system	A							
Others	Automatic star	t/stop system	A							
Ouldis	Tarminal for AN	MF/ATS panels	A							
	Wheel		0	0	0	0	0	0	0	0

OPTIONAL PARTS

Automatic Mains Failure Panel

Against power cuts in the commercial supply, the YEG can be set to start automatically when the power goes off, and stop when it comes back on.

You know that you can trust the New YEG to do the work that is needed, and stop when you don't want it on.



Terminal for AMF/ATS panels





Control panel:YEG500DSHC Control panel:YEG500DTHC



Control panel:eG100i



Control panel:YEG450DSLS Control panel:YEG450DTLS



Control panel: YEG140



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