

eG•YEG series

Generator Output 7.5kVA~74.0kVA

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All data subject to change without notice.

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 top-quality, 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 extra-low noise that is ideal for use in urban and residential areas.

The all-round people-friendliness 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, 4-wire 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 space.

The TNV are Yanmar's state-of-the-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 high-efficiency 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.



Silent bonnet



Side view



DIESEL GENERATORS

YEG series [2-pole] | Generator Output 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

Model*1	Canopy type		YEG150DSHC		YEG200DSHC		YEG300DSHC		YEG400DSHC		YEG500DSHC			
	Silent type		YEG150DSHS		YEG200DSHS		YEG300DSHS		YEG400DSHS		YEG500DSHS			
Generator	Frequency		50Hz		60Hz		50Hz		60Hz		50Hz			
	Outout	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			
Outout	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			
Generator	Voltage		V 110,220,230,240 (110/220,115/230,120,240)											
	Revolutions		min ⁻¹ (rpm) 3000		3600		3000		3600		3000		3600	
Phase and wire		Single-phase, 2-wire												
Power factor		%												
Insulation		F (Stator, rotor)												
No. of poles		2												
Excitation		Brushless (with damper coil) AVR												
Type		Vertical, 4-cycle, water-cooled diesel												
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			
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				
Displacement		lit. 0.854		1.116		1.496		1.995		1.995				
Continuous rating output		kW 12.1		14.5		15.1		17.7		22.4		26.1		
Rated output		kW 13.3		16		16.5		19.5		24.6		28.7		
Revolutions		min ⁻¹ (rpm) 3000/3600												
Combustion system		Swirl pre-combustion (IDI)				Direct injection								
Cooling system		Radiator												
Aspiration		NA				TC								
Lubricating system		Forced lubrication												
Starting system		Electric												
Fuel		Diesel fuel												
Lubricant		API service:CD grade												
Cooling water	Engine		lit. 0.9		0.9		2		2.7		2.7			
	Radiator		lit. 1.2		1.2		1.2		2.4		2.4			
Lubricant qty	Total		lit. 3.8		4.4		7.5		7.9		7.9			
	Effective		lit. 1.7		2.1		2		2.5		2.5			
Starting motor		V-kW 12-1.0		12-1.1		12-1.2		12-1.4		12-1.4				
Charging dynamo		V-A 12V-15A												
Battery (5HR)		V-AH 12-52 (65D26R)				12-60 (75D31R)								
Fuel consumption (70% load)		lit./hr 3.1		3.6		3.9		4.5		4.6		5.7		
UNIT (canopy type)	Noise level (4/4load, 7m)		dB(A) 74		76		76		80		83		87	
	Fuel tank capacity		lit. 40		310		60		70		430		500	
Dry weight		kg 300		435		585		685		715				
UNIT (silent type)	Noise level (4/4load, 7m)		dB(A) 68		71		70		73		67		73	
	Fuel tank capacity		lit. 50		70		70		70		430		500	
Dry weight		kg 400		435		585		685		715				

DIMENSIONS Unit:mm(in.)

Construction	Canopy type					Silent type				
	W	L	H	W	L	H	W	L	H	
2-pole, Single-phase	YEG150DSHC	YEG200DSHC	YEG300DSHC	YEG400DSHC	YEG500DSHC	YEG150DSHS	YEG200DSHS	YEG300DSHS	YEG400DSHS	YEG500DSHS
2-pole, 3-phase	YEG150DTHC	YEG200DTHC	YEG300DTHC	YEG400DTHC	YEG500DTHC	YEG150DTHS	YEG200DTHS	YEG300DTHS	YEG400DTHS	YEG500DTHS
L	1200(47.24)	1300(51.18)	1480(58.27)	1400(55.12)	1600(62.99)	1830(72.05)				
W	610(24.02)	670(26.38)	670(26.38)	660(25.98)	700(27.56)	700(27.56)				
H	850(33.46)	920(36.22)	920(36.22)	900(35.43)	950(37.40)	950(37.40)				

SPECIFICATIONS [2-pole, 3-phase]

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								
Generator	Frequency		50Hz		60Hz		50Hz		60Hz		50Hz								
	Outout	Stand-by power rating	kVA	13.3	16.0	16.9	20.0	25.2	29.4	35.0	40.1	45.2							
kW			10.6	12.8	13.5	16.0	20.1	23.5	28.0	32.0	36.1								
Outout	Prime power rating	kVA	12.0	14.5	15.3	18.2	23.0	26.8	31.8	36.9	40.0								
		kW	9.6	11.6	12.3	14.5	18.4	21.4	25.4	29.5	32.0								
Generator	Voltage		V 380 380/220 380 380/220 380 380/220 380 380/220 380 380/220 380																
	Current (prime power)		A 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
Generator	Voltage (single phase)		V 220 220/127 220 220/127 220 220/127 220 220/127 220 220/127 220																
	Revolutions		min ⁻¹ (rpm) 3000		3600		3000		3600		3000		3600		3000				
Phase and wire		3-phase, 4-wire																	
Power factor		%																	
Insulation		F (Stator, rotor)																	
No. of poles		2																	
Excitation		Brushless (with damper coil) AVR																	
Type		Vertical, 4-cycle, water-cooled diesel																	
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								
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									
Displacement		lit. 0.854		1.116		1.496		1.995		1.995									
Continuous rating output		kW 12.1		14.5		15.1		17.7		22.4		26.1							
Rated output		kW 13.3		16		16.5		19.5		24.6		28.7							
Revolutions		min ⁻¹ (rpm) 3000/3600																	
Combustion system		Swirl pre-combustion (IDI)				Direct injection													
Cooling system		Radiator																	
Aspiration		NA				TC													
Lubricating system		Forced lubrication																	
Starting system		Electric																	
Fuel		Diesel fuel																	
Lubricant		API service:CD grade																	
Cooling water	Engine		lit. 0.9		0.9		2		2.7		2.7								
	Radiator		lit. 1.2		1.2		1.2		2.4		2.4								
Lubricant qty	Total		lit. 3.8		4.4		7.5		7.9		7.9								
	Effective		lit. 1.7		2.1		2		2.5		2.5								
Starting motor		V-kW 12-1.0		12-1.1		12-1.2		12-1.4		12-1.4									
Charging dynamo		V-A 12V-15A																	
Battery (5HR)		V-AH 12-52 (65D26R)				12-60 (75D31R)													
Fuel consumption (70% load)		lit./hr 3.1		3.6		3.9		4.5		4.6		5.7							
UNIT (canopy type)	Noise level (4/4load, 7m)		dB(A) 74		76		76		80		83		87						
	Fuel tank capacity		lit. 40		310		60		70		430		500						
Dry weight		kg 300		435		585		685		715									
UNIT (silent type)	Noise level (4/4load, 7m)		dB(A) 68		71		70		73		67		73						
	Fuel tank capacity		lit. 50		70		70		70		430		500						
Dry weight		kg 400		435		585		685		715									

DIESEL GENERATORS

YEG series [4-pole] | Generator Output 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 and 450, 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

Model*1	Canopy type		YEG170DSLCL		YEG230DSLCL		YEG450DSLCL		-		-		
	Silent type		YEG170DSLSL		YEG230DSLSL		YEG450DSLSL		YEG650DSLSL		YEG750DSLSL		
Frequency		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz	
Generator	Outout	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
		Prime power rating	kVA	9.8	11.8	13.1	15.7	25.2	29.8	35.1	41.3	41.5	49.3
Voltage		V		50Hz : 220,240 60Hz : 110/120, 120/240									
Revolutions		min ⁻¹ (rpm)		1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Phase and wire		Single-phase, 2-wire											
Power factor		%		100									
Insulation		F(Stator,rotor)						H(Stator,rotor)					
No. of poles		4											
Excitation		Brushless (with damper coil)AVR											
Type		Vertical, 4-cycle, water-cooled diesel											
Model*2	Canopy type		3TNV88-GGB1C		4TNV88-GGB1C		4TNV98-GGB1C		-		-		
	Silent type		3TNV88-GGB1B		4TNV88-GGB1B		4TNV98-GGB1B		4TNV106-GGB1B		4TNV106T-GGB1		
No. of cyls-bore x stroke		mm		3-88 X 90		4-88 X 90		4-98 X 110		4-106 X 125		4-106 X 125	
Displacement		lit.		1.642		2.190		3.319		4.412		4.412	
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 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									
Combustion system		Direct injection											
Cooling system		Radiator											
Aspiration		NA						TC					
Lubricating system		Forced lubrication											
Starting system		Electric											
Fuel		Diesel fuel											
Lubricant		API service: CD grade											
Cooling water	Engine	lit.	2	2.7	4.2	6	6						
	Radiator	lit.	1.2	2.2	3.8	3.8	3.8						
Lubricant qty	Total	lit.	6.7	7.4	10.5	14	14						
	Effective	lit.	2.8	3.4	5.5	9	9						
Starting motor		V-kW		12-1.2		12-1.4		12-2.3		12-3.0		12-3.0	
Charging dynamo		V-A		12V-15A		12V-15A		12V-20A		12V-60A		12V-60A	
Battery (5HR)		V-AH		12-60(75D31)		12-60(75D31)		12-64(95D31)		12-88(115E41)		12-88(115E41)	
Fuel consumption (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 (canopy type)	Noise level (4/4load, 7m)	dB(A)		72	74	74	76	78	81	-	-	-	-
	Fuel tank capacity	lit.		60		70		120		-		-	
Dry weight		kg		440		515		715		-		-	
UNIT (silent type)	Noise level (4/4load, 7m)	dB(A)		59	64	63	65	63	65	68.5	69.5	65	69.5
	Fuel tank capacity	lit.		60		70		120		130		130	
Dry weight		kg		575		635		890		1210		1230	

DIMENSIONS Unit=mm(in.)

Construction	Canopy type			Silent type					
	W	L	H	W	L	H	W	L	H
4-pole, Single-phase	YEG170DSLCL	YEG230DSLCL	YEG450DSLCL	YEG170DSLSL	YEG230DSLSL	YEG450DSLSL	YEG650DSLSL	YEG750DSLSL	
4-pole, 3-phase	YEG170DTLCL	YEG230DTLCL	YEG450DTLCL	YEG170DTLSL	YEG230DTLSL	YEG450DTLSL	YEG650DTLSL	YEG750DTLSL	
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)	

SPECIFICATIONS [4-pole, 3-phase]

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		YEG170DTLCL		YEG230DTLCL		YEG450DTLCL		-		-		
	Silent type		YEG170DTLSL		YEG230DTLSL		YEG450DTLSL		YEG650DTLSL		YEG750DTLSL		
Frequency		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz	
Generator	Outout	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
		Prime power rating	kVA	11.1	13.4	14.9	18.1	29.9	35.5	43.3	51.3	49.6	59.2
Voltage		V		50Hz : 380,415 60Hz : 380,220									
Current(prime power)		A		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
Voltage(single phase)		V		50Hz : 220,240 60Hz : 220,127									
Revolutions		min ⁻¹ (rpm)		1500	1800	1500	1800	1500	1800	1500	1800	1500	1800
Phase and wire		3-phase, 4-wire											
Power factor		%		80(delay)									
Insulation		F(Stator,rotor)											
No. of poles		4											
Excitation		Brushless (with damper coil)AVR											
Type		Vertical, 4-cycle, water-cooled diesel											
Model*2	Canopy type		3TNV88-GGB1C		4TNV88-GGB1C		4TNV98-GGB1C		-		-		
	Silent type		3TNV88-GGB1B		4TNV88-GGB1B		4TNV98-GGB1B		4TNV106-GGB1B		4TNV106T-GGB1		
No. of cyls-bore x stroke		mm		3-88 X 90		4-88 X 90		4-98 X 110		4-106 X 125		4-106 X 125	
Displacement		lit.		1.642		2.190		3.319		4.412		4.412	
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 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									
Combustion system		Direct injection											
Cooling system		Radiator											
Aspiration		NA						TC					
Lubricating system		Forced lubrication											
Starting system		Electric											
Fuel		Diesel fuel											
Lubricant		API service: CD grade											
Cooling water	Engine	lit.	2	2.7	4.2	6	6						
	Radiator	lit.	1.2	2.2	3.8	3.8	3.8						
Lubricant qty	Total	lit.	6.7	7.4	10.5	14	14						
	Effective	lit.	2.8	3.4	5.5	9	9						
Starting motor		V-kW		12-1.2		12-1.4		12-2.3		12-3.0		12-3.0	
Charging dynamo		V-A		12V-15A		12V-15A		12V-20A		12V-60A		12V-60A	
Battery (5HR)		V-AH		12-60(75D31)		12-60(75D31)		12-64(95D31)		12-88(115E41)		12-88(115E41)	
Fuel consumption (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 (canopy type)	Noise level (4/4load, 7m)	dB(A)		72	74	74	76	78	81	-	-	-	-
	Fuel tank capacity	lit.		60		70		120		-		-	
Dry weight		kg		440		515		715		-		-	
UNIT (silent type)	Noise level (4/4load, 7m)	dB(A)		59	64	63	65	63	65	68.5	69.5	65	69.5
	Fuel tank capacity	lit.		60		70		120		130		130	
Dry weight		kg		575		635		890		1210		1230	

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	YEG140DSHS				YEG140DTHS				
Frequency	Hz		50	60	50	60			
Generator	Output	Stand-by power rating	kVA	8.8	11.0	11.8	14.0		
		Prime power rating	kW	8.8	11.0	9.5	11.2		
		Stand-by power rating	kVA	8.0	10.0	10.8	12.7		
		Prime power 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)			
	Current(Prime)	A	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 factor	%	100		80				
	Insulation class		Class F (Stator,rotor)						
	No. of poles		2						
	Excitation		Brushless(with damper coil) AVR						
Engine	Type		Vertical, 4-cycle, water-cooled diesel						
	Model		3TNM68-HGB2B						
	No. of cycles-bore x stroke	mm	3-68 x 72						
	Displacement	lit.	0.784						
	Continuous rating output	kW	10.5	12.4	10.5	12.4			
	Rated output	kW	11.5	13.7	11.5	13.7			
	Revolutions	min ⁻¹ (rpm)	3000	3600	3000	3600			
	Combustion system		Indirect injection(IDI)						
	Cooling system		Radiator						
	Aspiration		Natural Aspiration						
	Lubricating system		Forced lubrication by trochoid pump						
	Starting system		Electric starting						
	Fuel		Diesel fuel(BS2869A1 or equivalent)						
	Lubricant		SAE 10W-30, API class : CD or higher						
Cooling water	Engine	lit.	1.0						
		Radiator	lit.	1.6					
	Lubricant qty	Total	lit.	3.2					
		Effective	lit.	1.5					
Starting motor	V-kW	12-1.2							
Charging dynamo	V-A	12-40							
Battery (5HR)	V-AH	12-45(46B24)							
Fuel consumption(75% load)	lit./hr	2.9	3.8	2.9	3.8				
Noise level (4/4 load, 7m)	dB(A)	68	70	68	70				
Fuel tank capacity	lit.	38							
UNIT	Dimension	Length	mm	1300					
		Width	mm	640					
		Height	mm	690					
	Dry weight	kg	299						

DIESEL INVERTOR GENERATOR

eG100i | Generator Output 7.5kVA

Inverter

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



SPECIFICATIONS

Model	eG100i									
Frequency	Hz		50/60							
Generator	Output	Stand-by Power rating	kVA	7.5						
		Prime power rating	kW	7.5						
		Stand-by power rating	kVA	7.0						
		Prime power rating	kW	7.0						
	Voltage	V	110/120/220/230/240							
	Current(Prime)	A	31.8							
	Phase and wire		Single Phase, 2-wire							
	Power factor	%	100							
	Insulation class		Class B							
	No. of poles		Multipole							
	Excitation		PMG type							
Inverter	Control system		CVCF (Voltage & frequency control system)							
	Voltage wave		Sine wave							
Engine	Type		2TNV70-ASG							
	No. of cycles-bore x stroke	mm	2-70 x 74							
		lit.	0.570							
	Continuous rating output	kW/min ⁻¹ (rpm)	8.5 / 3600							
Rated output	kW/min ⁻¹ (rpm)	9.3 / 3600								
Revolutions	min ⁻¹ (rpm)	2300 ~ 3400								
Combustion system		Indirect injection (IDI)								
Cooling system		Radiator								
Aspiration		Natural Aspiration								
Lubricating system		Forced lubrication by trochoid pump								
Starting system		Electric starting								
Fuel		Diesel fuel(BS2869A1 or equivalent)								
Lubricant		SAE 10W-30, API class: CD or higher								
Cooling water qty	Engine	lit.	0.9							
	Radiator	lit.	1.6							
Engine	Lubricant qty	Total	lit.	2.2						
		Effective	lit.	1						
	Starting motor	V-kW	12 - 1.0							
		V-A	12 - 40							
Battery(5HR)	V-AH	12 - 36(55B24L)								
Fuel consumption		25% load	lit./hr	1.1						
		50% load	lit./hr	1.6						
		75% load	lit./hr	2.2						
		100% load	lit./hr	3.0						
Noise level (7m)	25% load	dB(A)	63.5							
	75% load	dB(A)	65.5							
	100% load	dB(A)	67.5							
Fuel tank capacity	lit.	32								
UNIT	Dimension	Length	mm	1080						
		Width	mm	647						
		Height	mm	686						
Dry weight	kg	257								

GAS ENGINE GENERATORS

YEG-Gseries | Generator Output 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	Canopy type		YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC
	Silent type		YEG160NTLS	YEG160PTLS	YEG160NSLS	YEG160POLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG250PSHS
	Frequency		Hz				50 / 60			
Generator	Output	Stand-by power rating	kVA	12.6/15.2		9.6/11.5		25.2		19.2
		Prime power rating	kW	10.1/12.1		9.6/11.5		20.1		19.2
		Stand-by power rating	kVA	11.6/13.9		8.8/10.6		23.0		17.5
		Prime power rating	kW	9.3/11.1		8.8/10.6		18.4		17.5
	Voltage	V	380		220		380		220	
	Current(Prime)	A	17.6/21.1		40.0/48.2		34.9		79.5	
	Phase and wire		3-Phase, 4-wire		Single Phase, 2 or 3-wire		3-Phase, 4-wire		Single Phase, 2 or 3-wire	
	Power factor	%	80(lagging)		100		80(lagging)		100	
	Insulation class		Class F (Stator,rotor)							
	No. of poles		4				2			
	Excitation		Brushless (with damper coil) AVR							
Engine	Type		Vertical, 4-cycle, water-cooled gas							
	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
	No. of cycles-bore x stroke	mm	3-88 x 90							
	Displacement	lit.	1.642							
	Continuous 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			
	Combustion system		Spark ignition(full transistor type)							
	Cooling system		Radiator							
	Lubricating system		Forced lubrication by trochoid pump							
	Starting system		Electric starting							
	Fuel		Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane gas	Natural gas	Propane gas
	Lubricant		SAE 10W-30, API class : SH grade or higher							
Cooling water	Engine	lit.	2.0							
		Radiator	lit.	1.2						
Lubricant qty	Total	lit.	7.5							
		Effective	lit.	2.0						
Starting motor	V-kW	12-1.2								
Charging dynamo	V-A	12-15								
Battery (5HR)	V-AH	12-60(75D31R)								
Fuel consumption (4/4 load)*3	Nm ³ /kWh	0.338	0.167	0.338	0.167	0.338	0.167	0.338	0.167	
UNIT (canopy type)	Noise level (4/4 load, 7m) dB(A)	71/73				81				
	Dry weight	kg				430				
UNIT (silent type)	Noise level (4/4load, 7m) dB(A)	58/61				68				
	Dry weight	kg				565				

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, Propane gas = 21615

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

○:Standard ▲:Option

Model	Canopy type	YEG150DSHC/DTHC	YEG200DSHC/DTHC	YEG300DSHC/DTHC	YEG400DSHC/DTHC	YEG500DSHC/DTHC	
	Silent type	YEG150DSHS/DTHS	YEG200DSHS/DTHS	YEG300DSHS/DTHS	YEG400DSHS/DTHS	YEG500DSHS/DTHS	
Generator control panel	Frequency meter	○(silent type only)	○(silent type only)	○	○	○	
	AC voltmeter	○	○	○	○	○	
	AC ammeter	○(silent type only)	○(silent type only)	○	○	○	
	Ammeter select switch	▲(silent type only)	▲(silent type only)	▲	▲	▲	
	Voltage regulator	○(silent type only)	○(silent type only)	○	○	○	
	Circuit breaker	○	○	○	○	○	
	Pilot lamp	○(silent type only)	○(silent type only)	○	○	○	
Engine control panel	Hour meter	○	○	○	○	○	
	Fuel level gauge	○	○	○	○	○	
	Starting key switch	○	○	○	○	○	
	Emergency stop button	○(silent type only)	○(silent type only)	○	○	○	
	Warning lamp	Water temp.	○	○	○	○	○
		L.O press.	○	○	○	○	○
		Battery charge	○	○	○	○	○
Protection system	High water temp.	○	○	○	○	○	
	Low oil press.	○	○	○	○	○	
	Battery charge	○	○	○	○	○	
	Over current shut off trip	○	○	○	○	○	
Output terminal	3-phase, 4-wire terminals	○	○	○	○	○	
	Single-phase, 2-wire terminals	○	○	○	○	○	
	Ground terminal	○	○	○	○	○	
Others	Remote start/stop system	▲	▲	▲	▲	▲	
	Automatic start/stop system	▲	▲	▲	▲	▲	
	Tarminal for AMF/ATS panels	▲	▲	▲	▲	▲	
	Wheel	▲	▲	▲	▲	▲	

ACCESSORIES [YEG-G series]

○:Standard ▲:Option

Model	Canopy type	YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC	
	Silent type	YEG160NTLS	YEG160PTLS	YEG300NSLS	YEG160PSLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG300PSHS	
Generator control panel	Frequency meter	○	○	○	○	○	○	○	○	
	AC voltmeter	○	○	○	○	○	○	○	○	
	AC ammeter	○	○	○	○	○	○	○	○	
	Ammeter select switch	▲	▲	▲	▲	▲	▲	▲	▲	
	Voltage regulator	○	○	○	○	○	○	○	○	
	Circuit breaker	○	○	○	○	○	○	○	○	
	Pilot lamp	○	○	○	○	○	○	○	○	
Engine control panel	Hour meter	○	○	○	○	○	○	○	○	
	Fuel level gauge	○	○	○	○	○	○	○	○	
	Starting key switch	○	○	○	○	○	○	○	○	
	Emergency stop button	○	○	○	○	○	○	○	○	
	Warning lamp	Water temp.	○	○	○	○	○	○	○	○
		L.O press.	○	○	○	○	○	○	○	○
		Battery charge	○	○	○	○	○	○	○	○
Protection system	High water temp.	○	○	○	○	○	○	○	○	
	Low oil press.	○	○	○	○	○	○	○	○	
	Battery charge	○	○	○	○	○	○	○	○	
	Over current shut off trip	○	○	○	○	○	○	○	○	
Output terminal	3-phase, 4-wire terminals	○	○	-	-	○	○	-	-	
	Single-phase, 2-wire terminals	-	-	○	○	-	-	○	○	
	Ground terminal	○	○	○	○	○	○	○	○	
Others	Remote start/stop system	▲	▲	▲	▲	▲	▲	▲	▲	
	Automatic start/stop system	▲	▲	▲	▲	▲	▲	▲	▲	
	Tarminal for AMF/ATS panels	▲	▲	▲	▲	▲	▲	▲	▲	
	Wheel	○	○	○	○	○	○	○	○	

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

○:Standard ▲:Option

Model	Canopy type	YEG170DSL/DTLC	YEG230DSL/DTLC	YEG450DSL/DTLC	—	—	
	Silent type	YEG170DSL/DTLS	YEG230DSL/DTLS	YEG450DSL/DTLS	YEG650DSL/DTLS	YEG750DSL/DTLS	
Generator control panel	Frequency meter	○(silent type only)	○(silent type only)	○	○	○	
	AC voltmeter	○	○	○	○	○	
	AC ammeter	○(silent type only)	○(silent type only)	○	○	○	
	Ammeter select switch	▲(silent type only)	▲(silent type only)	▲	▲	▲	
	Voltage regulator	○(silent type only)	○(silent type only)	○	○	○	
	Circuit breaker	○	○	○	○	○	
	Pilot lamp	○(silent type only)	○(silent type only)	○	○	○	
Engine control panel	Hour meter	○	○	○	○	○	
	Fuel level gauge	○	○	○	○	○	
	Starting key switch	○	○	○	○	○	
	Emergency stop button	○(silent type only)	○(silent type only)	○	○	○	
	Warning lamp	Water temp.	○	○	○	○	○
		L.O press.	○	○	○	○	○
		Battery charge	○	○	○	○	○
Protection system	High water temp.	○	○	○	○	○	
	Low oil press.	○	○	○	○	○	
	Battery charge	○	○	○	○	○	
	Over current shut off trip	○	○	○	○	○	
Output terminal	3-phase, 4-wire terminals	○	○	○	○	○	
	Single-phase, 2-wire	○	○	○	○	○	
	Ground terminal	○	○	○	○	○	
Others	Remote start/stop system	▲	▲	▲	▲	▲	
	Automatic start/stop system	▲	▲	▲	▲	▲	
	Tarminal for AMF/ATS panels	▲	▲	▲	▲	▲	
	Wheel	▲	▲	▲	▲	▲	

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.



Control panel:YEG500DSHC
Control panel:YEG500DTHC



Control panel:YEG450DSLS
Control panel:YEG450DTLS



Control panel:eG100i



Control panel:YEG140

Terminal for AMF/ATS panels

