

GAS ENGINE GENERATORS

YEG-Gseries

Generator Output
9.6~25.2kVA



DIMENSIONS Unit=mm(in.)

Construction	Canopy type				Silent type			
Model	YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG160NTLS	YEG160PTLS	YEG160NSLS	YEG160PSLS
	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG250PSHS
L	1300(51.18)				1600(62.99)			
W	670(26.38)				700(27.56)			
H	920(36.22)				950(37.40)			

ACCESSORIES

○:Standard ▲:Option

Model	Canopy type	YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC
	Silent type	YEG160NTLS	YEG160PTLS	YEG160NSLS	YEG160PSLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG250PSHS
Generator control panel	Frequency meter	○	○	○	○	○	○	○	○
	AC voltmeter	○	○	○	○	○	○	○	○
	AC ammeter	○	○	○	○	○	○	○	○
	Ammeter select switch	▲	▲	▲	▲	▲	▲	▲	▲
	Voltage regulator	○	○	○	○	○	○	○	○
	Circuit breaker	○	○	○	○	○	○	○	○
Engine control panel	Pilot lamp	○	○	○	○	○	○	○	○
	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, 2/3-wire terminal	-	-	○	○	-	-	○	○
	Ground terminal	○	○	○	○	○	○	○	○
Others	Remote start/stop system	▲	▲	▲	▲	▲	▲	▲	▲
	Automatic start/stop system	▲	▲	▲	▲	▲	▲	▲	▲
	Terminal 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.



Terminal for AMF/ATS panels



Control panel:YEG250PTHs

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Note : All data subject to alteration without notice.

Going Steady? Dependability and Economy that Carry On

Quiet, safe, clean and ready to use, the New YEG series generator sets are the top-quality, straightforward answer to your power needs.



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.

The all-round people-friendliness is obvious in the exhaust data, too, thanks to the Yanmar GP gaseous engines.

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.

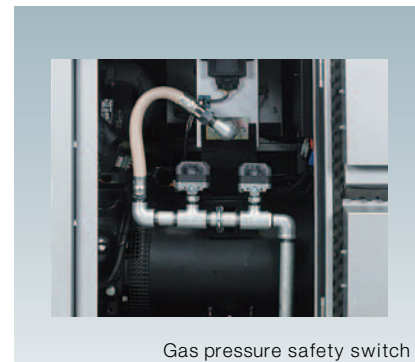
Compact, Powerful and Long-lasting

Yanmar has a long tradition of producing world-beating small, high-speed, hard-working engines. Their combination here with superb 3-phase, 4-wire / single phase, 2 or 3-wire generators has been tried and tested in many harsh working environments.

The GP are Yanmar's state-of-the-art small gaseous 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.



Silent bonnet



Gas pressure safety switch



Side view

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

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 minimizes fuel consumption.

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.

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. Gas pressure safety switch is equipped to prevent any gas leak from either engine or fuel line.



Canopy type



Silent type

SPECIFICATIONS

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

*3Fuel Heat Value(NET)kcal/m³: Natural gas = 8605, Propane gas = 21615

Model*1	Canopy type		YEG160NTLC	YEG160PTLC	YEG160NSLC	YEG160PSLC	YEG250NTHC	YEG250PTHC	YEG250NSHC	YEG250PSHC			
	Silent type		YEG160NTLS	YEG160PTLS	YEG160NSLS	YEG160PSLS	YEG250NTHS	YEG250PTHS	YEG250NSHS	YEG250PSHS			
Generator	Frequency		50 / 60Hz				50Hz						
	Output	Stand-by power rating	kVA	12.6/15.2		9.6/11.5		25.2		19.2			
			kW	10.1/12.1		9.6/11.5		20.1		19.2			
		Prime power rating	kVA	11.6/13.9		8.8/10.6		23.0		17.5			
	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											
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 (4/4 load, 7m)		dB(A)				58/61		68				
	Dry weight		kg				565						