

**YANMAR®**

DIESEL GENERATOR

# YEG140

[POWERED BY MINIMAX ENGINE]

Generator Output  
8.8~14.0kVA



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

Quiet, safe, clean and ready to use, the New YEG140 generator set are the top-quality, straightforward answer to your power needs. You get the advantages of 2-pole generation in a newly enhanced, durable, cost-saving form.

## Quiet and Good to the Environment

The first thing you notice about the New YEG140 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 MiniMax engines. The New YEG140 satisfy EPA Tier 4.

The New YEG140 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 Single-phase, 2or3 wire or 3-phase, 4-wire generators, tried and tested in many harsh working environments.

The MiniMax 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

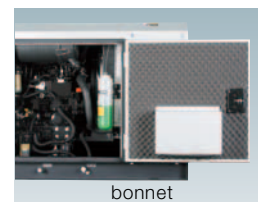
Yanmar has developed a remarkable new shape for the air flow of the combustion chamber through a rigorous process of experimentation and analysis. It achieves great mixing of fuel with air that maximizes air use and minimizes fuel consumption. The combination of low fuel consumption engines with high-efficiency 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. 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.



bonnet



Control panel:YEG140

## 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
		kW 8.8	11.0	9.5	11.2	
	Prime power rating	kVA 8.0	10.0	10.8	12.7	
		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					
Type	Vertical, 4-cycle, water-cooled diesel					
Model	3TNM68-HGB2B					
No. of cycles - bore x stroke	mm 3-68x72					
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 <sup>-1</sup>	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 qty	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 (4/4load, 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				

Note : All data subject to alteration without notice.

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