

## YTG series

BRUSHLESS GENERATORS

Capacity  
5~15kVA



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Capacity  
5~15kVA



YTG 10S



YTG 15T



Control Panel

## SPECIFICATION

		Single Phase (2Wire)			3 Phase (4Wire)			
Model		YTG5.0S	YTG6.5S	YTG10S	YTG6.5T	YTG9.0T	YTG12.5T	YTG15T
Alternator Model		S16F-180/B	S20FS-160/A	S20FS-200/A	ECO3-1S	ECO3-2S	ECO3-3S	ECO3-1L
Alternator Weight      kg		33.2	50	57	57	63	69	78
Insulat ion Class		H						
Operation Condition		Ambient temperature not exceeding 50°						
		Attitude not exceeding 1000m						
YANMAR		TF90M	TF120M	TF160M	TF90M	TF120M	TF160M	TF190R
Type								
Bore x stroke      mm		85x 87	92x 96	102 x105	85x87	92x96	102x105	110 x106
Displacement      liters		0.493	0.638	0.857	0.493	0.638	0.857	1.007
Cont. output      hp		8.5	10.5	14	8.5	10.5	14	16
Rated output      hp		9.5	12	16	9.5	12	16	19
Revolut ions      min\rpm		2400						
St arting system		Hand Start ing or elect ric st art ing (opt ional)						
Cooling system		Radiator						
Lubricating system		Fully sealed forced lu bricat ion with t rochold pump & hydraulic regulator valve						
Combustion system		Direct injection						
Lub. Oil capacity liters      lit/h		2.2	2.8	3.0	2.2	2.8	3.0	2200
Fuel tank capacity      liters		10.5	11.0	14.3	10.5	11.0	14.3	3.6
Capacity		kva	5	6.5	10	6.5	9	12.5
		kw	5	6.5	10	5.2	7.2	10
Frequency      hz		Availa ble in either 50Hz or 60Hz						
Revolutions      min\rpm		3000 for 50Hz /3600 for 60Hz						
No.of phase		Single Phase (2 Wire)				3 Phase (4 Wire)		
Power factor		1				0.8		
Excitation system		Brushless,self- excit ation system						
Drive system		V- belt drive						
Volt age (Standard)    V		220				220/380		
Recommend cable dianmm		6.16						
Recommend earth cable		Equal to the conductor size						
Ampere      A		22.7	29.5	45.5	9.9	13.7	19	12
Dimension length      mm		1170	1220	1287	1235	1290	1337	22.8
Dimension width      mm		480	559	599	599	599	599	1444
Dimension height      mm		600	684	704	684	704	704	650
Net weight (dry)      kg		170	180	307	198	243	318	764
								388

Optional:

1. Voltage for 3 Phase model:127/220V, 230 /400V, 240/415V
2. Electric Starting
3. Battery and cables
4. Wheel Castors

Standard Scope of Supply:

1. Tool kits
2. Additional V-Belt
3. Element F.O Strainer
4. Instruction Manual

## OVERVIEW & FULL SPECIFICATIONS OF YANMAR YTG9.0T 9 KVA GENERATOR

This YTG9.0 KVA generator features patented brushless technology. The generator maintenance is quick, as it does not have carbon brushes. It has built-in silicon rectifier rotors, which act as a sort of AVR. This minimises voltage fluctuation when the load is started from 0% to 100%. Less voltage fluctuation enhances the life of the equipment. The Yanmar YTG generators have low interference. This makes it suitable for telecommunication equipment and automation system.

### Size and Dimensions:

This YTG9.0 is a compact and portable diesel generator. The dimension of the generator is 1290mm (W) x 599mm (H) x 704mm (L). The overall dry weight of the generator is 243 kg, which includes alternator weight of approx. 63kg. It has fuel capacity of 11.0 litres and lubricant oil capacity of 2.8 litres. For smaller loads, this is very useful and does not need require refuelling the generator.

### Technical features:

The Yanmar YTG9.0T is 4-cycle horizontal water-cooled diesel engine and uses water based cooling system. The radiator works efficiently and continuously to prevent stopping of the generator due to overheat. The generator uses compensation winding which minimises the voltage fluctuation. The user can use both three phase and single-phase load appliances at the same time without worrying about voltage fluctuation. The bore and stroke of the engine is 92mm x 96mm and displacement is 0.638 litres. As a standard option, hand start is available, but the user can go for electric start if required. With combustion type direct injection, the generator starts easily without having to create extra efforts.

### Application:

Yanmar YTG9.0T comes in two frequencies either it can be 50Hz or 60Hz. The rated speed differs depending of the frequency. At 50 Hz, it gives 3000rpm and 60Hz it gives 3600rpm. The rated current is 13.7Amp with output of 7.2kw and 9.0KVA. Since it is 3phase 4 wire system, the power factor is 0.8pf.

### Other features:

The generator comes with tool kits for operation and maintenance. It comes with additional Vbelts as a standby. It has element FO strainer for doing routine maintenance. All the instructions are well versed to have smooth and trouble free operation.

YTG9.0T 9 KVA Generator Specs

Fuel Type:	Diesel
Cylinders:	0
Phase:	Three Phase
Warranty:	0
Power Rating Range:	9

Fuel Tank Capacity Range:	11 Litres
Weight Range:	243
Speed:	2400 rpm
Battery Capacity:	0 Ah
Color:	Red
Style:	Portable Generators
LxWxH(Weight):	1290x599x704
Rating (kVA):	9
Rated kW:	7.2
BHP:	0