

BRUSHLESS GENERATORS

YTG series

Capacity
5~15kVA





YTG10S



YTG15T



Control panel

SPECIFICATIONS

		Single Phase(2Wire)			3 Phase(4Wire)				
Model		YTG5.0S	YTG6.5S	YTG10S	YTG6.5T	YTG9.0T	YTG12.5T	YTG15T	
Alternator	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
	Insulation Class	H							
	Operation Condition	Ambient temperature not exceeding 50°C Attitude not exceeding 1000m							
Engine	YANMAR	TF90M	TF120M	TF160M	TF90M	TF120M	TF160M	TF190R	
	Type	Horizontal, 4-cycle, water-cooled diesel engine							
	Bore x stroke	mm	85x87	92x96	102x105	85x87	92x96	102x105	110x106
	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
	Revolutions	min ⁻¹ (rpm)	2400						2200
	Starting system	Hand Starting or electric starting(optional)							
	Cooling system	Radiator							
	Lubricating system	Fully sealed forced lubrication with trochold pump & hydraulic regulator valve							
	Combustion system	Direct injection							
	Lub. Oil capacity	liters	2.2	2.8	3.0	2.2	2.8	3.0	3.6
	Fuel tank capacity	liters	10.5	11.0	14.3	10.5	11.0	14.3	13.7
	Generator set	Capacity	kVA	5	6.5	10	6.5	9	12.5
		kW	5	6.5	10	5.2	7.2	10	12
Frequency		Hz	Available in either 50Hz or 60Hz						
Revolutions		min ⁻¹ (rpm)	3000 for 50Hz/3600 for 60Hz						
No.of phase		Single Phase(2 Wire)			3Phase(4 Wire)				
Power factor		1			0.8				
Excitation system		Brushless,self-excitation system							
Drive system		V-belt drive							
Voltage(Standard)		V	220			220/380			
Recommend cable dia		mm	6-16						
Recommend earth cable	Equal to the conductor size								
Dimension	Ampere	A	22.7	29.5	45.5	9.9	13.7	19	22.8
	Dimension length	mm	1170	1220	1287	1235	1290	1337	1444
	Dimension width	mm	480	559	599	599	599	599	650
	Dimension height	mm	600	684	704	684	704	704	764
	Net weight(dry)	kg	170	180	307	198	243	318	388

Optional:

1. Voltage for 3Phase 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

Note : All data subject to alteration without notice.

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Overview & Full Specifications of Yanmar YTG9.0T 9 KVA Generator

The Yanmar 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:

The Yanmar 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 re-fuelling 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 V-belts 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.

Yanmar 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

Yanmar YTG9.0T 9 KVA Generator