RATING & DIMENSION

	Model				YTG11TLV	YTG15TLV	YTG20TLV	YTG30TLV	YTG40TLV	YTG50TLV	YTG65TLV	YTG75TLV
AC Generator	Output rating (kVA)	50 Hz	380V	Prime	10	11	15	20	33	40	50	60
				Standby	11	12	16.5	22	35	44	55	66
		60 Hz	440V	Prime	12	13	18	25	38	55	60	65
				Standby	13.5	14.5	20	27.5	43.1	60	65	70
	Rated current (A)	50 Hz	Prime		15.2	16.7	22.8	30.4	50.1	60.8	76	91.3
			Standby		16.7	18.2	25.1	33.4	53.2	67	83.6	100.4
		60 Hz	Prime		15.7	17.1	23.6	32.8	49.9	72.1	78.7	85.3
			Standby		17.3	19.0	26.2	36.1	56.4	78.7	85.3	91.8
	Rated frequency / rated speed	50 Hz	1500 RPM									
		60 Hz	1800 RPM									
	No. of poles	4 poles										
	Phase and wire	3-phase - 4-wire										
	Power factor	0.8 (lagging)										
	Voltage regulation	Within +/- 1.5 %										
	Excitation	Brushless, Rotating Exciter (with AVR)										
	Insulation	Class 'F' / 'H'										
Engine	Model				3TNV82A	3TNV88	4TNV88	4TNV84T	4TNV98	4TNV98T	4TNV106	4TNV106T
	Type of combustion chamber				Direct Injection							
	Air intake system				NA			TC	NA	TC	NA	TC
	Output rating (kW)	1500 RPM (50 Hz)			9.9	12.2	16.4	19.1	30.7	37.7	49.4	56
		1800 RPM (60 Hz)			12	14.7	19.6	24.2	36.4	45.3	58.7	66.9
	Rated speed (50/60 Hz, rpm)				1500 / 1800							
	Bore (mm) x stroke (mm)				82 x 84	88 x 90	88 x 90	84 x 90	98 x 110		106 x 125	
	Compression Ratio				19.2	19.1	19.1	18.9	18.5	18.1	18	
	Piston displacement (liter)				1.331	1.642	2.190	1.995	3.319		4.412	
	No. of cylinders				3		4					
	Fuel consumption (L/hr) at 100% load	50 Hz			2.89	3.56	4.78	5.57	8.95	11.10	11.50	11.70
	Lubricating oil capacity (L)				5.5	6.7	7.4	7.4	10.5		14	14
	Coolant capacity (L)				1.8	2	2.7	2.7	4.2		6	6
	Fuel tank capacity (L)	soundproof			40	55			80		140	
		open skid			70	110					155	
	Starting motor (v-kW)				12 - 1.2	12 - 1.4			12 - 2.3		12 - 3.0	
	Charging generator (V-A)				12 - 40						12 - 60	
	Battery capacity (V-Ah)				12 - 65 x 1							
	Starting system				Electric Starting Motor							
	Cooling system				Radiator with Fan							
	Lubricating system				Forced Lubrication with Trochoid pump							
Diesel generator Dimension		L		mm	1655	1655	1900	1900	2100	2100	2400	2400
SOUNDPROOF		W		mm	800	800	800	800	860	860	910	910
(approx)		H		mm	1100	1100	1100	1100	1150	1150	1300	1300
Approx dry weight				kg	540	700	770	825	1012	1096	1210	1254
Sound level dBA from 1 meter / 7 meters				dBA	73 / 63	73 / 63	73 / 63	71 / 61	76 / 66	78 / 68	78 / 68	78 / 68
Diesel generator Dimension		L		mm	1500	1500	1500	1500	1780	1780	1780	1780
OPEN TYPE		W		mm	600	600	600	600	700	700	700	700
(approx)		H		mm	1250	1250	1250	1250	1250	1250	1250	1250
Approx dry weight				kg	443	515	580	585	747	831	882	926

Note :

Prime output rating : Supplies electric power continuously at variable load
No limitation to the annual hours of operation and can supply 10% overload power for 1 hour in 12 hours
Conforms with SAE J816B continuous, DIN 6270, BS 6270, BS 5514 or 649 continuous &
ISO 3046/I continuous power

Standby output rating : Supplies electricity during normal utility power failure at variable load
No overload is permitted on this rating
Conforms with SAE J816B intermittent, DIN 6270, BS 5514 or 649 one hours &
ISO 3046 / 1 fuel stop power

Engine output represents at ISO 3046, standard conditions :
Air temperature : 25C
Relative humidity : 30%
Barometric pressure : 750mmHg

* Specification is subject to change without notice due to our continuous improvement

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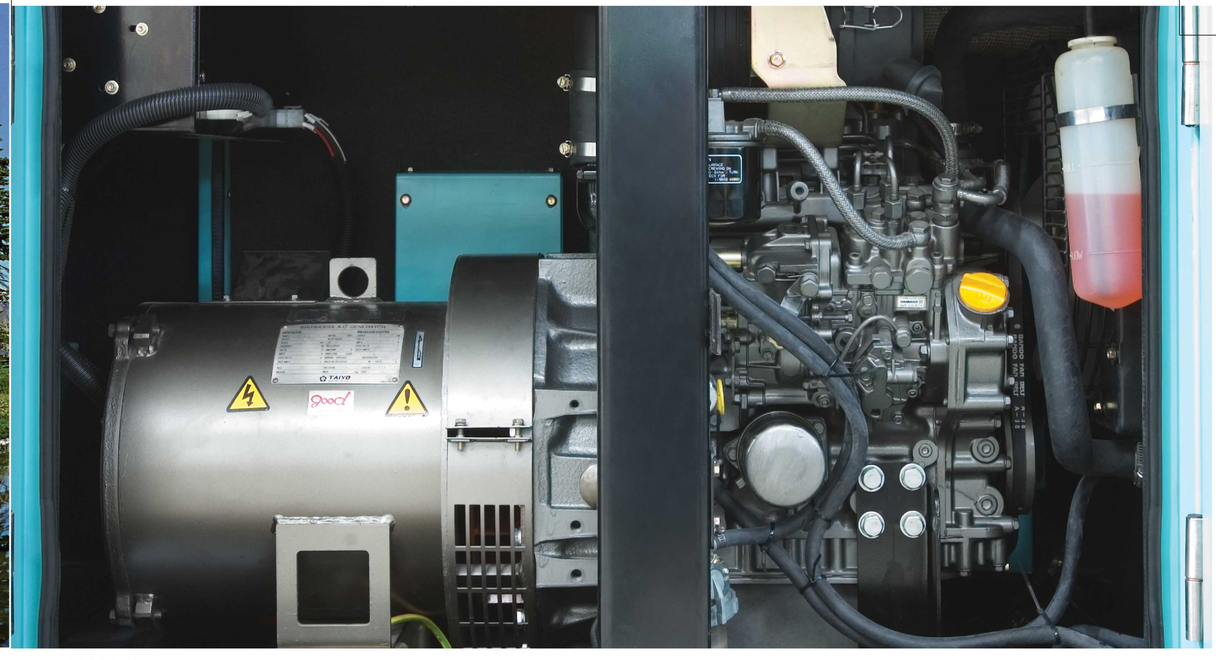
POWERED BY :

YANMAR TAIYO ELECTRIC CO.LTD. STAMFORD power generation



YTG3OTLV

OUR PRODUCT

Once again, Yamagen have created a world-class-diesel generating sets to meet the requirement of the growing demand for the non-standard high specification generating plant. With Yamagen experience of more than 3O years and the combination of the new technology, we proudly present to you our latest YTG series, featuring the durable Yanmar water cooled diesel engine, which is sophisticated yet practical, and now available in 6-models selection. The YTG series are also packed in three useful ways to suit your site requirements, namely in a open frame, bonnet, and on a tough transport bed.

YTG11TLV YTG15TLV YTG20TLV / YTG30TLV YTG40TLV YTG50TLV / YTG65TLV / YTG75TLV

TOTAL PACKAGES

Over the years, our company have had the facilities, experiences, and capabilities to offer design and application engineering, manufacturing, installation and servicing of a comprehensive product range of highly reliable and durable generating sets developed to meet the needs for high performance and economical cost of ownership.

SPECIAL FEATURES

- Compact and light with all components mounted on a single bed.
- Brush-free exciter takes away the need for brush inspection and maintenance.
- All regular maintenance points are on the same side.
- Self-protecting unit with auto shutdown in the event of oil pressure drop of overheating.
- 3 phase - 4 wires applicable for single-phase operation.
- Fuel-efficient with operating stability.
- Better block cooling.
- Enhanced durability.
- Stiffer crank and pistons.
- Ability to perform in some of the world's most adverse condition.

YANMAR

DIESEL ENGINES

TNV series

EPA Tier 3 / Interim Tier 4 / Tier 4

EC Stage IIA / Stage IIIA

CUSTOMER SUPPORT

It is our aim to fully support our customers with a technical advisory service, whether the requirement is as simple as starting the generators, or multiple sets installation. Our customer support is provided not only at the time of sales, but also for the years to come. The owners of the Yamagen YTG series can rely on our after sales services provided for the maintenance of any of the generating sets in operating condition. We also hold the detailed records of the make-up parts of every set, so that our customers can easily obtain the spare equipment from our own stocks. Prompt dispatch, delivery and installation integral to this service is offered throughout the Far East region.