

RATING & DIMENSION

Model				YTG10TLV	YTG15TLV	YTG20TLV	YTG30TLV	YTG40TLV	YTG50TLV	YTG65TLV	YTG75TLV	
A C G e n e r a t o r	Output rating (kVA)	50 Hz	380V	Prime	8	12.5	15	20	33	40	50	60
				Standby	8.8	13.75	16.5	22	35	44	55	66
		60 Hz	440V	Prime	-	13	16	22	35	44	55	65
				Standby	-	14.3	17.6	24.2	38.5	48.4	60.5	70
	Rated current (A)	50 Hz		Prime	12.1	19.0	22.8	30.4	50.2	60.8	76.1	91.3
				Standby	13.4	20.9	25.1	33.4	53.2	67	83.7	100.4
		60 Hz		Prime		17.1	20.9	28.8	45.9	57.7	72.1	85.3
				Standby		18.7	23.1	31.7	50.5	63.5	79.3	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 +/- 1.0 %											
Excitation	Brushless, Rotating Exciter (with AVR)											
Insulation	Class 'H'											

Model			3TNV76	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)		8.2	12.3	16.4	19.1	30.7	37.7	49.4	56	
	1800 RPM (60 Hz)		9.8	14.8	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)			76 x 82	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)			904	1.642	2.190	1.995	3.319		4.412		
No. of cylinders			3			4					
Fuel consumption (L/hr) at 100% load	50 Hz		2.41	3.56	4.74	5.57	8.95	9.96	11.60	13.80	
Lubricating oil capacity (L)			3.5	6.7	7.4	7.4	10.5		14	14	
Coolant capacity (L)			1.0	2	2.7	2.7	4.2		6	6	
Fuel tank capacity (L)	soundproof		76	130	150	150	185		230		
	open skid		70			110				130	
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	1500	1655	1900	1900	2100	2100	2375	2375
SOUNDPROOF	W	mm	700	800	800	800	860	860	920	920
(approx)	H	mm	1000	1160	1225	1225	1280	1280	1480	1480
Approx dry weight		kg	400	703	810	817	960	1062	1362	1362
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	1511	1527	1644	1644	1900	1900	2150	2150
OPENTYPE	W	mm	600	670	750	750	750	750	750	750
(approx)	H	mm	1125	1140	1140	1140	1140	1140	1157	1157
Approx dry weight		kg	350	621	700	708	747	945	1045	1045

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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DEALER



YTG SERIES
POWER GENERATORS
SILENT



POWERED BY :

