

**POWER
TO YOU**



Technical Specifications: 3 Phase DG SETS

TATA MOTORS GENSETS

TATA MOTORS ENGINE RANGE	4SP RANGE								497 RANGE		697 RANGE	
GENSET SPECIFICATION												
Genset Model	TMG25	TMG30	TMG35	TMG40	TMG40 HD	TMG45	TMG50	TMG58.5	TMG70	TMG82.5	TMG100	TMG125
Power Rating (kVA)	25	30	35	40	40	45	50	58.5	70	82.5	100	125
Power Rating (kW)	20	24	28	32	32	36	40	46.8	56	66	80	100
Power Factor	0.8 (lagging)											
Voltage	415 V											
Current per phase (Amperes)	35	42	49	56	56	63	70	81	97	114	139	174
RPM / Frequency	1500 RPM / 50 Hz											
DG Set Noise at 1 meter	< 75 dB											
Fuel Tank Capacity (Approx In Ltrs.)	120				150				180		250	
Note: Do not overfill the diesel tank above it's given capacity to maintain adequate air space.												
CANOPY DIMENSION												
Length (mm)	2250				2550				2800		3300	
Width (mm)	1100				1100				1100		1250	
Height (mm)	1530				1530				1730		1930	
ENGINE												
Make	4SP								497		697	
	497SPTC88				497SPTC89				497TC57		697TC60	
Horse Power	43	43	43	43	74	74	74	74	103	103	160	160
Performance class	ISO 8528											
Governing class	G3											
Displacement (cc)	2956								3784		5675	
Number of Cylinders	4										6	
Bore X Stroke	97 x 100								97 x 127			
Rated Speed (rpm)	1500											
Aspiration	TCIC											
Ambient Temperature Range	-10 to 50 deg C											
Fuel System	CRDI											
Lube oil change period	500											
Total lubrication system capacity (Ltrs.)	8.3								11.5		16	
Total coolant capacity including engine & radiator (Ltrs.)	12								16		23	
DEF Capacity (Ltrs.)	NA								25			
Starting Voltage	12V											
Fuel recommended	High Speed Diesel											
Lube oil recommended	TMGO - CK4 15W40											
ALTERNATOR												
Make	Stamford or Equivalent											
Enclosure type	IP23											
Class of Insulation & Excitement	Class H & Self Excited											
Voltage regulation	+/-1%											
Bearing & Type	Single Bearing & Brushless											
Maximum unbalanced load across phases	Up to 25%											
Max Time to build up rated voltage at rated RPM	<2 Seconds, provided engine reach the rated speed											

*Ratings are as per BS:5514 / ISO3046 / ISO8528 Power Rating, under standard reference conditions.

**Specifications are subject to change without prior notice due to continuous upgradation. For single phase generators please refer to us



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