

Technical Specification - 1 Phase DG Sets

TATA MOTORS ENGINE RANGE	4SP Range				497 Range	
Gensent Rating (KVA)	25	30	35	40	45HD	62.5
KW	20	24	28	32	36	50
Phase	1	1	1	1	1	1
Power Factor (Lag)	0.8		0.8		0.8	
Current Output (A)	109	130	152	174	196	272
RPM	1500		1500		1500	
Governing Type	Mechanical		Mechanical		Mechanical	
Starting System	12V		12V		12V	
Fuel Tank (Ltr)	120		120		150	
Dimension (mm) (L X B X H)	2250 X 1030 X 1330		2250 X 1030 X 1330		3000 X 1100 X 1500	
Wight (Kg)	1075	1095	1250	1295	1320	1395
Conformation Standard	CPCB II & Rule 95 of Enviroment					
Engine Specifications	TATA MOTORS LIMITED					
Model	4975PTC78		4975PTC76		497TC76	497TC74
BHP	40		56		63	90
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Cylinders	4	4	4	4	4	4
Bore X Strokes	97 X 100	97 X 100	97 X 100	97 X 100	97 X 128	97 X 128
Displacement	2960	2960	2960	2960	3800	3800
Total Lube Oil Capacity (Ltrs)	7	7	7	7	9	9
Radiator Coolant Capacity	13	13	13	13	14	14
Conformation Standard	IS10000					



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99.99% PROVEN UP-TIME | ROBUST DESIGN | HIGHLY FUEL
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KEY FEATURES OF TATA ENGINES



Highly
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100% Continuous
Operations



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Service Support



Environment
Friendly



Low Operation
& Maintenance Cost



Compact
Size



Low Carbon
Footprint



Most Reliable
Engine Even Under
Extreme Conditions



AWARDS & RECOGNITIONS
BY TATA MOTORS



ABOUT GENGUARD ENGINEERS:

Established with a vision to redefine power solutions, Genguard Gensets has emerged as a trusted name in the industry. With a robust commitment to excellence and innovation, we specialize in offering a comprehensive range of gensets tailored to meet diverse power needs. Proudly associated with Tata Gensets, our offerings not only reflect unmatched quality but also the reliability and performance that customers worldwide have come to trust. Beyond products, Genguard is dedicated to fostering lasting relationships with its clientele, providing unparalleled support and service every step of the way. Join us on our journey as we power the future with precision and passion.

Technical Specification - 3 Phase DG Sets

TATA MOTORS ENGINE RANGE	45P Range					497 Range					697 Range			
Gensent Rating (KVA)	25	30	35	40	45	45HD	50	62.5	75	82.5	82.5HD	100	125C	125
KW	20	24	28	32	36	36	40	50	60	66	66	80	100	100
Phase	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Power Factor (Lag)	0.8					0.8			0.8		0.8			
Current Output (A)	35	42	49	56	63	63	70	87	104	114	114	139	174	174
RPM	1500					1500			1500		1500			1500
Governing Type	Mechanical					Mechanical			Mechanical		Mechanical			Mechanical
Starting System	12V					12V			12V		12V			12V
Fuel Tank (Ltr)	120					150			150		170			200
Dimension (mm) (L X B X H)	2250 X 1030 X 1330					2500 X 1100 X 1500			3000 X 1100 X 1500		3300 X 1200 X 1800			3300 X 1200 X 1800
Wight (Kg)	1075	1095	1150	1195	1225	1320	1360	1395	1470	1490	1850	1920	1950	2250
Conformation Standard	CPCB II & Rule 95 of Enviroment					CPCB II & Rule 95 of Enviroment					CPCB II & Rule 95 of Enviroment			
Engine Specifications	TATA MOTORS LIMITED					TATA MOTORS LIMITED					TATA MOTORS LIMITED			
Model	497SPTC78		497SPTC76			497TC76	497TC75	497TC74	497TC74	497TC74	697CS51/14	697CS52/13	697TC10	697TC10
BHP	40		56			63	75	90	99	99	109	125	154	154
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Cylinders	4	4	4	4	4	4	4	4	4	4	6	6	6	6
Bore X Strokes	97 X 100	97 X 100	97 X 100	97 X 100	97 X 100	97 X 128	97 X 128	97 X 128	97 X 128	97 X 128	97 X 128	97 X 128	97 X 128	97 X 128
Displacement	2960	2960	2960	2960	2960	3800	3800	3800	3800	3800	5700	5700	5700	5700
Total Lube Oil Capcity (Ltrs)	7	7	7	7	7	9	9	9	9	9	14	14	14	14
Radiator Coolant Capacity	13	13	13	13	13	14	14	14	14	14	18	18	18	23
Conformation Standard	IS10000					IS10000					IS10000			

TATA MOTORS APPROVED ALTERNATORS	
Make	STAMFORD OR EQUIVALENT
Enclousere Type	IP23
Voltage Regulation	+/- 1%
Class of Insulation & Excitment	Class H & Self Excited
Bearing Type	Single Bearing & Brushless
Conformation Standard	IS13364, IS4722 & BS5000



Powering Healthcare Industry



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Service Industry

The nature of healthcare industry requires uninterrupted power supply, failing which lives would be lost. With adequate fuel stored onsite, hospitals can have backup for over 48 hours. Hence hospitals and even hotels across India, use Tata Motors Gensets to maintain their commitment to the people.

Rental

Renting is popular among businesses as rental expenditure can be written off as revenue expenditure in the same year, whereas owning the Genset would mean incurring capital expenditure that can be amortized in the future years. Many businesses, thus, use renting as a strategic tool. Tata Motors Gensets are known for their fuel efficiency, and are best suited for rental application.

Offices & Warehouses

In any office, a power failure can not only cause interrupted service delivery and losses in revenue, but also IT challenges, security risks, and safety issues affecting customer trust, regardless of industry. And, of course, warehouses across the nation are critical to India’s supply chain and any power failure can have far-reaching consequences. Hence, Tata Motors Gensets are preferred for the industry application.