



CAPTAIN
GENERATORS

CAPTAIN
Gensets

Powerful | Durable | Reliable



Technical Specifications: 3 Phase DG SETS

TATA Genset Range	4SP Range					497 Range					697 Range			
Generator 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	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Current Output (A) (3 Phase)	35	42	49	56	63	63	70	87	104	114	114	139	174	174
RPM	----- 1500 -----					----- 1500 -----					----- 1500 -----		1500	1500
Governing Type	----- Mechanical -----					----- Mechanical -----					----- Electronic -----		Mechanical	Mechanical
Battery (mAh) & Volt.	----- 90 mAh (12V) -----					----- 90 mAh (12V) -----					----- 90 mAh (12V) -----		130 mAh (12V)	130 mAh (12V)
Fuel Tank (Ltrs)	120	120	120	120	120	150	150	150	150	150	170	170	170	200
Dimension (mm) (L x B x H)	----- 2250X1030X1300 -----					----- 2600X1100X1485 -----			----- 3000X1100X1485 -----		----- 3300X1050X1600 -----		3300X1050X1600	3300X1200X1800
Weight (Approx in Kg)	1075	1095	1150	1195	1225	1320	1360	1395	1470	1490	1850	1920	1950	2250
Conformation Standards	CPCB II & Rule 95 of Environment					CPCB II & Rule 95 of Environment					CPCB II & Rule 95 of Environment			

Engine Specification	497SPTC 78					497SPTC 76					497TC 76					497TC 75					497TC 74					497TC 74					697TC 51					697TC 52					697TC 10					697TC 10				
Model	497SPTC 78					497SPTC 76					497TC 76					497TC 75					497TC 74					497TC 74					697TC 51					697TC 52					697TC 10					697TC 10				
BHP	40	40	56	56	56	40	40	56	56	56	63	75	90	99*	99*	63	75	90	99*	99*	63	75	90	99*	99*	109	125	154	154	109	125	154	154																	
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6																		
Bore X Stroke	97 x 100	97 x 100	97 x 100	97 x 100	97 x 100	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	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	97 x 128	97 x 128	97 x 128	97 x 128																		
Displacement (CC)	2960	2960	2960	2960	2960	2960	2960	2960	2960	2960	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	3800	5700	5700	5700	5700	5700	5700																			
Fuelpump Make & Type	----- BOSCH (Inline) -----					----- BOSCH (Inline) -----					----- BOSCH (Inline) -----					----- BOSCH (Rotary) -----					----- BOSCH (Inline) -----																													
Total Lube Oil Capacity (Ltrs)	7	7	7	7	7	7	7	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	14	14	14	14	14	14																			
Radiator Coolant Capacity (Ltrs)	13	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	18	18	18	18	18	18																			
Conformation Standards	----- IS10000 -----					----- IS10000 -----					----- IS10000 -----					----- IS10000 -----																																		

APPROVED ALTERNATOR	
Make	STAMFORD / LEROY SOMER
Enclosure Type	IP23
Voltage Regulation	+/- 1%
Class of Insulation & Excitement	Class H & Self Excited
Bearing & Type	Single Bearing & Brushless
Conformation Standards	IS13364, IS4722 & BS5000

Power by
TATA Engine

STAMFORD
power generation

LEROY SOMER

NOTE:
 * Do not overfill diesel tank than the above mentioned capacity.
 * Detailed technical specification sheet separately available for each rating in soft copy.
 * Product innovation is a continuous process; hence data given is subject to change without any prior notice.

DEEPSEA SMART CONTROLLER

TATA MOTORS ROBUST ENGINE

STAMFORD ALTERNATOR

COMPACT CANOPY WITH INSIDE SILENCER



- How to calculate load**
- Put on only those equipments which you want to run on the Powerlux Silent Generator.
 - Go near the distribution box where you'll find four colored cables: Red, Yellow, Blue & Black.
 - Put the clamp meter around the Red, Yellow & Blue cable one by one and note down the ampere rating.
 - Now add the numbers in case of single phase requirement or pick the highest in case of three phase requirement.
 - Select your kVA from the ampere chart given in the technical specifications and see under which rating your requirement falls.



Note: After putting the clamp meter around the cable, turn off and on the heavy machines/equipments for better calculation.

GENERIC FEATURES

- 1 BRAND VALUE**
India's most valuable brand
- FIRE RETARDANT**
- PERFORMANCE**
Even at 52° celsius with TATA designed canopy
- STAMFORD ALTERNATORS**
- WORLD CLASS DEEPSEA CONTROLLERS**
- APPROVED**
All components in genset are TATA Motors approved
- COST EFFECTIVE**
- RADIATOR**
Coolant recovery technology
- ROBUST AND COMPACT ENGINE**
- GENUINE ENGINE PARTS**
- SERVICE**
Strongest spares & service support of TATA Motors
- COUPLING ACCURACY**
100% accuracy for best & smooth performance



Technical Specifications: 1 Phase DG SETS

TATA Engine Range	4SP Range				497 Range	
Generator 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	0.8	0.8	0.8
Current Output (A) (1 Phase)	109	130	152	174	196	272
RPM	1500		1500		1500	
Governing Type	Mechanical		Mechanical		Mechanical	
Battery (mAh) & Volt.	90 mAh (12V)		90 mAh (12V)		90 mAh (12V)	
Fuel Tank (Ltrs)	120		150		150	
Dimension (mm) (L x B x H)	2250X1030X1300		2600X1100X1485		2600X1100X1485	
Weight (Approx in Kg)	1075	1095	1250	1295	1320	1395
Conformation Standards	----- CPCB II & Rule 95 of Environment -----					

Engine Specifications

Model	497SPTC 78		497SPTC 76		497TC 76	497TC 74
BHP	40	40	56	56	63	90
Aspiration	TCIC	TCIC	TCIC	TCIC	TCIC	TCIC
Cylinders	4	4	4	4	4	4
Bore X Stroke	97 x 100	97 x 100	97 x 100	97 x 100	97 x 128	97 x 128
Displacement (CC)	2960	2960	2960	2960	3800	3800
Fuelpump Make & Type	--- BOSCH (Inline) ---		--- BOSCH (Inline) ---		--- BOSCH (Inline) ---	
Total Lube Oil Capacity (Ltrs)	7	7	7	7	9	9
Radiator Coolant Capacity (Ltrs)	13	13	13	13	14	14
Conformation Standards	----- IS10000 -----		----- IS10000 -----		----- IS10000 -----	



DSE **DEEP SEA**
ELECTRONICS