

EXPRESS GENSETS

Powered by
TATA
engine

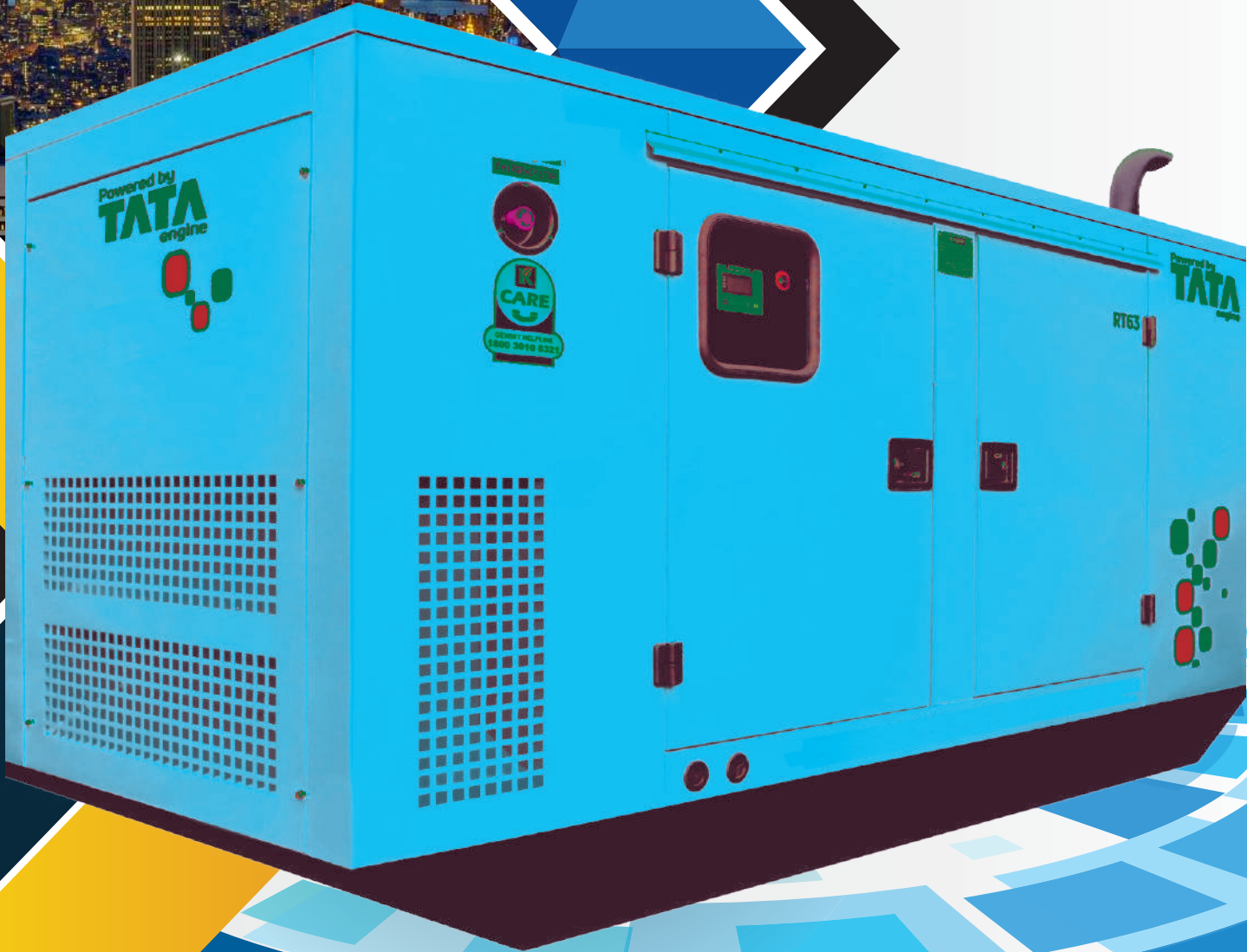
POWER WITH CARE

★★★★★ WORLD CLASS GENSET WITH ★★★★★

1 NO.

DIESEL ENGINE OF INDIA | TATA
STEEL OF INDIA | TATA STEEL
LEAD ACID BATTERY OF INDIA | EXIDE
SWITCHGEARS OF WORLD | SCHNEIDER
AC GENETRATOR OF WORLD | STAMFORD
CONTROL PANEL OF WORLD | WOODWARD

★★★★★



SALIENT FEATURES

- **Built for High Temperature:** All the Silent Generators of Rishabh Are Designed to withstand the ambient temperature of 45°C, though the radiators used are able to withstand ambient temperature of 50°C.
- **Sturdy:** TATA Engines are most sturdy as they are originally designed for Commercial vehicle application & can go up to 5000 RPM.
- **Lowest Fuel Consumption:** Rishabh Generators powered by TATA engines have the lowest fuel consumption as more available power of the engine allows optimal fuel flow & there by the generator runs smoothly & efficiently.
- **Widest Service Network:** In India We at Rishabh | TATA Give you the most widespread Service network, with over 1800 Service dealers across India, we have the most extensive service network.
- Extended warranty Option available.

WORLD CLASS GENSETS MADE IN INDIA FOR THE WORLD

Our world class Gensets come with:

- India's Diesel Engine | **TATA**
- World's AC Generator | **STAMFORD**
- India's Steel for Acoustics | **TATA STEEL**
- World's Genset Controllers | **WOODWARD**
- India's Foam For Acoustics | **Sheela**
- India's Lead Acid Battery | **EXIDE**
- India's A.V.M. Pads | **POLYBOND**
- World's Switchgear | **Schneider Electric**
- World Class Self Starter & Dynamo | **Lucas TVS**
- World Class Radiator | **TATA TOYO**
- 5 Years Warranty On 5 Cs

NUMBER
ONE

ACOUSTIC ENCLOSURE

Our Silent Gensets use India's No 1 Steel in our gensets by **TATA STEEL**

- Aesthetically designed, weather and sound resistant enclosure.
- Designed for Ease of Access and Serviceability.
- Acoustic Enclosures come with UV resistant powder coating which can withstand extreme weather conditions.
- Smallest Footprint giving an edge to optimize your valuable space.
- Ease of handling with appropriately located Center/ Single lifting arrangement & Forklift Slots for easy shifting.
- Inbuilt Silencer up-to 75kVA, above 75kVA Silencer Comes with Bird Protection.
- Practically located fuel filling point.
- Rishabh Silent Gensets Come with India's No.1 Sheela Foam (makers of Sleepwell Mattress).
- Certified for stringent and latest MoEF / CPCB II norms of less than 75 dB at 1 meter.
- Super Silent models for special applications which have 68-70 dB sound level at 1 meter in open field conditions.
- The Foam Used is Fire retardant enclosure.

GENSET CONTROLLER / SWITCHGEAR EQUIPMENT

Our Generators come with World No.1 controllers from **WOODWARD**

- Fault recognition by name unlike other controllers which display fault code.
- Microprocessor based.
- Brilliant LCD Screen.
- Lowest battery consumption in ideal condition.
- Manual Breaker operation with tactile buttons on front panel.
- IP 65 protection against water seepage.



- World class DG Set monitoring & protection features.
- Available with Automatic & Manual Functions on demand.
- Rishabh Generators come with World No. 1 Switchgear from Schneider Electric / ABB

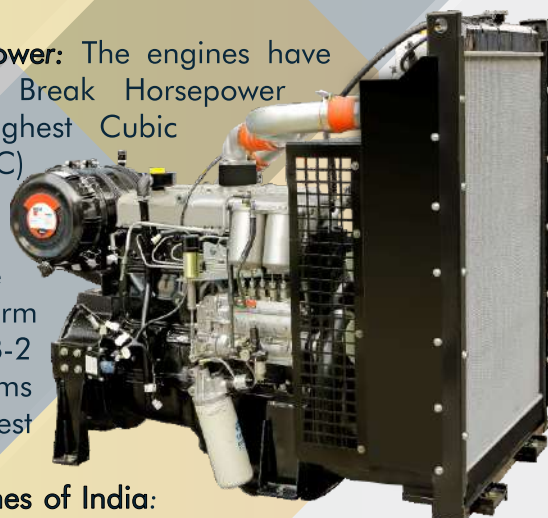
TECHNICAL SPECIFICATIONS - ZD SERIES																
DG SET	DG Set Model	RT-20^	RT-25	RT-30	RT-35	RT-40	RT-45	RT-50	RT-62.5	RT-75	RT-82.5*	RT-83	RT-100	RTS-125	RT-125	
	Rating (kVA)	20	25	30	35	40	45	50	62.5	75	82.5*	82.5	100	125	125	
	Rating (kW)	16	20	24	28	32	36	40	50	60	66	66	80	100	100	
ACOUSTIC ENCLOSURE	Starting System	12V DC														
	Battery (Ah)	90										100				
	Canopy Size : LxBxH (mm)	2350 x 1030 x 1425							2850 x 1100x 1550			3200 x 1200 x 1800				
	Weight (Kg)	950	1000	1020	1030	1040	1450	1500	1520	1580	1610	1750	1800	1850	2050	
	Fuel Tank Capacity (Ltrs)	130						180				250				
	Foam Thickness on Doors (mm)	40							50				75			
	Density of Foam for Sound Insulation	32							38				50			
	Steel Make & Thickness in Acoustic	TATA Steel Base 3 mm Rest of Canopy 1.6 mm														
ENGINE	Engine Model Family	497SP	497SPTC						497TC				697TC			
	Engine Make															
	Engine Power (Bhp)	32.5	40.2	48.2	56.3	56.3	56.3	75.7	90	99.8	99.8	120	125.3	156	156	
	Rated Speed (RPM)	1500														
	No. of Cylinders	4										6				
	Bore (mm)	97	97	97	97	97	97	97	97	97	97	97	97	97	97	
	Stroke (mm)	100	100	100	100	100	100	128	128	128	128	128	128	128	128	
	Total Displacement (CC)	2960							3800				5700			
	Lube oil Sump Capacity (Ltrs)	7							10				15			
	Total Coolant Capacity (Ltrs)	13							14				18			
	Oil Change Period	500 Hrs Or 6 Months Which Ever Is Earlier														
	Compression Ratio	17.5 : 01														
	Aspiration	Natural	Turbo Charged													
	Cooling System	Water/Coolant														
	FIP	Inline Pump (Mico Bosch)											Rotary / Inline Pump	Rotary Pump (Mico Bosch)	Inline Pump (Mico Bosch)	
	Governing Type	Mech-A1 Governing											Electronic / Mech-A1 Governing	Electronic-A0 Governing	Mech-A1 Governing	
	ALTERNATOR	Emission Norms	CPCB-II Compliant													
Alternator Make		Stamford														
Type (PF)		Brushless, H Class Insulation (0.8)														
Frequency (Hz)		50/60														
Voltage (V)		230/415 110/230														
Amperes (A) @ 415 V		27	34	41	48	55	62	69	86	104	114	114	139	173	173	
CONTROLLER	Controller Make	WoodWard 1400			WoodWard 1400 / 600											
	Type	Microprocessor Based, LCD fault display screen, Auto start / Stop Features														
	Display Parameters	Run Time Hours, Current, Voltage, Engine RPM, Frequency, Engine Temperature & Oil Pressure, Battery V, Service Due Hours, kVA, PF, KW, KWH														
	Modes Available	Automatic/ Manual														
	DG Protections	Under/Over Frequency ,Current Unbalance, Over Speed, Overload, RWL, LLOP, HWT, LFL, Charging Alternator/V-belt, Emergency-Off, Service Due Fail To Start Fail To Stop														
	MCB/MCCB	SCHNEIDER / ABB														

* Stand By Rating ^ Coming Soon, Note: In View of continuous product upgradation & design changes, above specifications & dimensions are subject to change without prior notice

ENGINE

What makes **TATA** diesel engine India's no. 1 selling diesel engine?

- **Maximum Power:** The engines have the highest Break Horsepower (BHP) & Highest Cubic Capacity (CC) in its class.
- **Environment Friendly:** The engines confirm to CPCB-2 India norms having lowest emissions.
- **Global Engines of India:** **TATA** engines are truly world class & are used by DGSET Manufacturers Globally.



A/C GENERATOR / ALTERNATOR

Salient Features of **STAMFORD** Alternators By Cummins Generator Technologies Ltd:

- Best in Class Efficiency.
- 2/3 pitch winding alternator for better handling of harmonic and un-balanced load.
- Brushless Type and Class H insulation.
- Self-excited, self-regulated Single Bearing, Brushless & Continuous Duty.
- Protection Degree IP21/IP23.



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