



# TMTL

## YOUR POWER TO SUCCESS

BEST FUEL ECONOMY  
BEST COST OF OWNERSHIP

BEST IN RELIABILITY  
BEST IN CLASS SERVICE



Authorised  
OEA



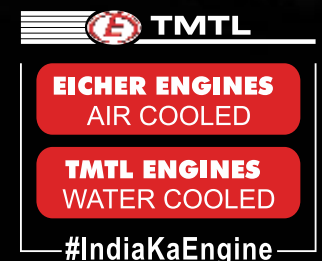
Shine Metal Udyog Pvt. Ltd.



\* Terms and conditions apply



You can rely on us...



## OUR HERITAGE

As one of the pioneers in manufacturing diesel engines in the country with a heritage of more than 65 years lending to its expertise, TMTL Engines Division envisages growing exponentially in the power generation segment by providing cutting edge technology, best fuel efficiency, and lowest cost of ownership. In 2005, Tractors and Farm Equipment Limited (TAFE) acquired the tractors, gears, transmission and engines business from Eicher Motors Limited through its wholly owned subsidiary TAFE Motors and Tractors Limited (TMTL). Along with the plant and machinery, TAFE also acquired the right to use the Eicher Engines brand name for engines up to 46.8 hp (35 kVA).

Through technical collaboration with companies such as Ricardo Consulting (UK), Sisu Diesel and Valtra (Finland), a new range of Engines from 82.3 HP to 160 HP was developed and marketed under the TMTL Engines brand name. Currently both Eicher Engines (5 kVA to 35 kVA) and TMTL Engines are being sold under the umbrella brand of E-TMTL.

TMTL Engines Division offers economical power solutions with custom built products and services to cater to a wide range of institutional and retail customers ranging from banking and finance, rentals, commercial, construction and infrastructure, hospitality, information technology, government and public sector, small and medium enterprises, petrol pumps, educational institutes, residential and hospitals etc., and has an existing base of over 1 million highly satisfied customers.

With an emphasis to meet global standards of quality and productivity, TMTL Engines Division employs quality management tools like TQM, TPM, SGA and Kaizen extensively. The engines plant at Alwar is certified under ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

TMTL Engines Division is one of the fastest growing engines manufacturers in India. Backed by a strong, vast and ever-expanding service network it enjoys a dominant market share in the Telecom segment where timely and quality service is a critical factor.

TMTL engines division offers wide range of air and water cooled engines with CRS and non CRS technology which is helping TMTL carve a unique identity for itself in its quest to truly become #IndiaKaEngine.



Eicher Engines are Manufactured and Marketed by TAFE Motors and Tractors Limited, under a license from Eicher Goodearth Private Limited. "EICHER" is the exclusive trademark of Eicher Goodearth Private Limited.

## FEATURES & BENEFITS

### ENGINE

Cutting Edge Technology	Best in Class Fuel Efficiency Lowest Maintenance Longest Oil Change Period Longest Overhauling Period Most Economical Genset
CRS - Electronic G3 Governing (20 kVA onwards) Mechanical G2 Governing (up to 15 kVA)	Quality of Power Lowest Flickering and Fluctuation
High Moment of Inertia and Torque	Best in Class Block Loading Capability Better Performance at Varying Loads
Individual Blowers (Air Cooled Range)	Even cooling of all the cylinders Better efficiency
Turbo Charger with Inter Cooler (30 kVA onwards)	Better Engine Efficiency
Most Reliable Engines	Prime Power Rating available across range Most Powerful Engines in their Class

### ACOUSTIC ENCLOSURE

CRCA Sheet	Longer Life Thickest in its class
40 mm PU Foam (5 to 60 kVA)	Low noise and vibration level Super Silent Options available
Silencer Inside the Canopy	Better Aesthetics Longer life of Silencer
Compact Size	Saves Space Suitable for roof top installation
Large Doors on Both Sides Drain Provided for Lube Oil and Fuel Tank Unitary Front and Back Panel Canopy with Internal Bolting Stainless Steel Hinges with SS Studs SS Slam Locks with Barrel & Padlock arrangement	Ease of Maintenance      Higher Degree of Safety
Dual Fuel Lock S-bend Fuel Pipe Stainless Steel Fuel Strainer	Pilferage Proof
State of Art Powder Coating Plant	Long Life Weather Protection

### BEST IN CLASS SERVICE

Single Point of Contact Round the Clock Assistance Pan India Service Network Highly Qualified & Trained Service Team Post Service Feedback Mechanism	Delighted Customer
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### TMTL CARES

24X7 TMTL Care Number	1 860 425 8685
Assistance in Load Calculation	Optimum Sizing of the Genset
Installation Guidance	Better Life and performance
Training of Genset Operators	Better Maintenance & Optimization
Customized AMCs/CMCs	Lifelong association

# TECHNICAL SPECIFICATIONS

GENSET														
Power (kVA)	5	7.5	10	12.5	15	20	25	30	35	40	45	50	60	
Genset Model	SMU/1051R1	SMU/1081R1	SMU/1101R1	SMU/1131R1	SMU/1152R1	SMU/1203R1	SMU/1253R1	SMU/1303R1	SMU/1353R1	SMU/1403R1	SMU/1453R1	SMU/1503R1	SMU/1603R1	
	SMU/3051R1	SMU/3081R1	SMU/3101R1	SMU/3131R1	SMU/3152R1	SMU/3203R1	SMU/3253R1	SMU/3303R1	SMU/3353R1	SMU/3403R1	SMU/3453R1	SMU/3503R1	SMU/3603R1	
Duty	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	
Control Panel		Options Available for AMF/Manual Control												
Acoustic Insulation		PU FR- Acoustic Foam												
DG Dimensions in mm	L	1500	1500	1800	1800	1800	2050	2050	2150	2250	2350	2350	2500	2500
	B	850	850	900	900	900	900	900	1000	1000	1000	1000	1100	1100
	H	1250	1250	1275	1275	1275	1275	1275	1425	1425	1425	1425	1575	1575
Fuel Tank Capacity (Lt.)	50	50	75	80	80	100	100	100	100	100	100	125	125	
Weight of DG Set (Kg) **	650	700	890	837	837	1035	1050	1190	1225	1250	1300	1470	1470	
ENGINE														
Engine Manufacturer	TAFE Motors and Tractors Limited													
Engine Brand	Eicher Engines									TMTL Engines				
Engine Model	110A1-EG008	110A0-EG008	115A0-EG010	220A0-EG015	220A0-EG015	329A0-EG025	329A0-EG025	329A0-EG030	329A0-EG035	333W0-EG040	333W0-EG045	333W0-EG050	333W0-EG060	
No. of Cylinders	1	1	1	2	2	3	3	3	3	3	3	3	3	
Aspiration	Naturally Aspirated							Turbo Charged Inter-cooled						
Engine BHP (gross)	10.7	11.3	17.7	24	24	35	35	41	46	54	60	74.8	74.8	
Reference Standard	Engine - BS: 5514, ISO: 3046, IS: 10000, Genset - ISO: 8528						Engine - BS: 5514, ISO: 3046, Genset - ISO : 8528							
Displacement (cc)	982	982	1558	1963	1963	2945	2945	2945	2945	3298	3298	3298	3298	
Compression Ratio	17.5±0.5 : 1	17.5±0.5 : 1	18.0±0.5 : 1	17.0±0.5 : 1	17.0±0.5 : 1	17.0±0.5 : 1	17.0±0.5 : 1	18.0±0.5 : 1	18.5±0.5 : 1	18.5±0.5 : 1	18.5±0.5 : 1	17.5±0.5 : 1	17.5±0.5 : 1	
Type/Class of Governing	Mechanical G2	Mechanical G2	Mechanical G2	Mechanical G2	Mechanical G2	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	CRS Electronic G3	
Bore x Stroke (mm)	100x125	100x125	115x150	100x125	100x125	100x125	100x125	100x125	100x125	100x125	100x125	108x120	108x120	
Type of cooling	Air Cooled									Water Cooled				
Lub oil Sump capacity (with filters)	5	5	7.5	8	8	9.5	9.5	9.5	9.5	8.0	8.0	8.0	8.0	
Engine Electrical System	12V, 60/65 Ah		12V, 88/90 Ah							12V, 99/100 Ah				
ALTERNATOR														
Phase	1 Phase-2 wire / 3 Phase-4 wire													
Voltage	230 V AC / 415 V AC													
Power Alternator Type	Single Bearing, Brushless, Single / Three Phase, Insulation Class H, Voltage regulation +/- 1%, make - CG / Leroy Somer / Meccalte / Stamford													
Power Factor	0.8 lag													
Rated speed / Freq	1500 RPM / 50 Hz													

Because of continuous improvements, product specifications and features described herein are subject to change without notice | DG Set Noise level conforming to CPCB norms

\*\* 1. The weight of the DG Sets is approximate only (With engine lube oil and coolant as applicable but without the Diesel). 2. Tolerance applicable on the weight of the DG Sets +/- 50 Kg owing to variation in the genset accessories and different makes of the alternator.

## WARRANTY TERMS

Warranty period covers 2 Years or 5000 Hours run\* (whichever is earlier)

Warranty on 5C covers 5 Years or 5000 Hours run\* (whichever is earlier)

\* Terms and conditions apply

## PRIME POWER (PRP)

Applicable for supplying power to varying electrical load for unlimited hours.

Prime Power (PRP) is in accordance with ISO 8528.

10% overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.



## TMTL GENSET CONTROL UNIT

Protection for Over / Under Voltage / Frequency / Speed, Over load, Canopy FAN fault,<sup>#</sup> Load unbalance, Low Lube oil pressure, High cylinder / water temperature, Low Fuel level, Radiator water low, Charging alternator / V-Belt failure etc. Service due prompt - Control unit, will display the Service due alert based on running hours, Cold Shut-down provisions, EGR related errors – Warning, Low Inducement, Severe Inducement Communication – CAN and RS-485

<sup>#</sup>Applicable for Air-cooled DG sets only.

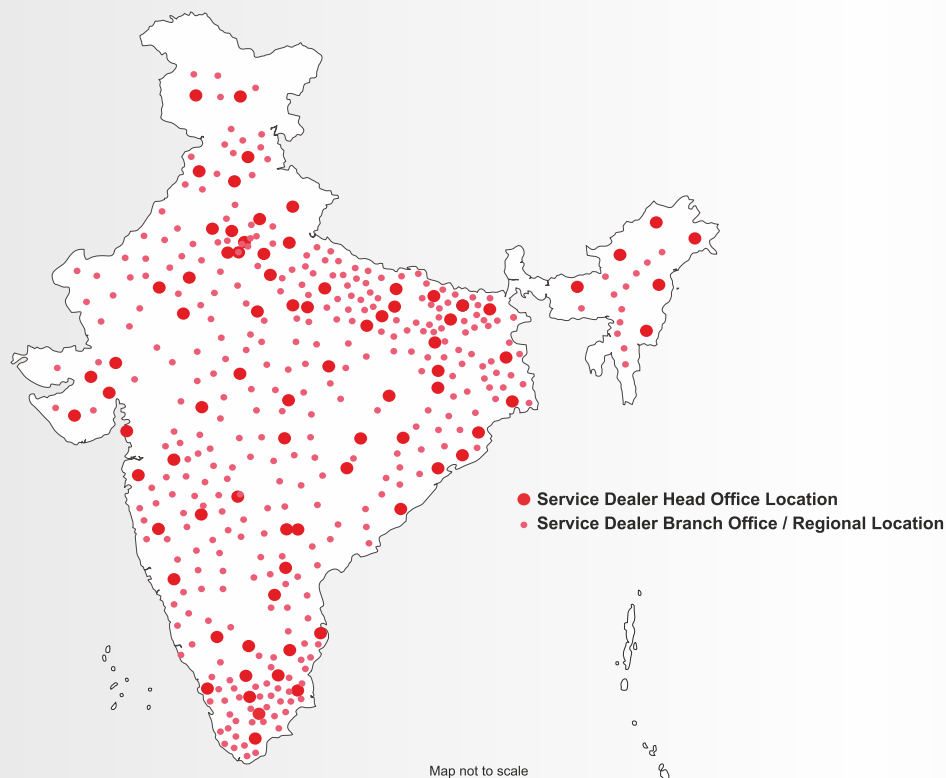


# EXISTING CLIENTS



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# PAN INDIA SERVICE NETWORK



You can rely on us...

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**TAFE MOTORS AND TRACTORS LIMITED**  
 (A wholly owned subsidiary of TAFE)

Dealer Stamp