



TMTL

YOUR POWER TO SUCCESS

BEST FUEL ECONOMY
BEST COST OF OWNERSHIP


BEST IN RELIABILITY
BEST IN CLASS SERVICE



* Terms and conditions apply



You can rely on us...



EICHER ENGINES
AIR COOLED

TMTL ENGINES
WATER COOLED

#IndiaKaEngine

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 (40 kVA to 125 kVA) 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
	Longer Oil Change Period
	Longer Overhauling Period
CRS - Electronic G3 Governing (25 kVA onwards) Mechanical G2 Governing (up to 20 kVA)	Most Economical Genset
	Quality of Power
High Moment of Inertia and Torque	Lowest Flickering and Fluctuation
	Best in Class Block Loading Capability
Individual Blowers (Air Cooled Range)	Better Performance at Varying Loads
	Even cooling of all the cylinders
Turbo Charger with Inter Cooler (30 kVA onwards)	Better efficiency
	Better Engine Efficiency
Most Reliable Engines	Prime Power Rating available across range
	Most Powerful Engines in their Class

ACOUSTIC ENCLOSURE

CRCA Sheet	Longer Life
40 mm PU Foam (5 to 60 kVA)	Low noise and vibration level
50 mm PU Foam (82.5 to 125 kVA)	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	Ease of Maintenance
	Higher Degree of Safety
Unitary Front and Back Panel	Higher Degree of Safety
Canopy with Internal Bolting	
Stainless Steel Hinges with SS Studs	
SS Slam Locks with Barrel & Padlock arrangement	Pilferage Proof
Dual Fuel Lock	
Temper Proof Fuel Filling Arrangement	
State of Art Powder Coating Plant	Long Life Weather Protection

BEST IN CLASS SERVICE

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

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	6	7.5	10	15	20	25	30	35	40	45	60	82.5	100	125	
Genset Model	TMTL-5-SP TMTL-5-TP	TMTL-6-SP TMTL-6-TP	TMTL-7.5-SP TMTL-7.5-TP	TMTL-10-SP TMTL-10-TP	TMTL-15-SP TMTL-15-TP	TMTL-20-SP TMTL-20-TP	TMTL-25-SP TMTL-25-TP	TMTL-30-SP TMTL-30-TP	TMTL-35-SP TMTL-35-TP	TMTL-40-SP TMTL-40-TP	TMTL-45-SP TMTL-45-TP	TMTL-60-TP	TMTL-82.5-TP	TMTL-100-TP	TMTL-125-TP	
Duty	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	
Control Panel	Options Available for Manual and AMF															
Acoustic Insulation	PU Fire Retardant															
DG Dimensions in mm	L	1500	1500	1500	1800	1800	2050	2050	2150	2150	2350	2350	2500	3300	3300	3300
	B	850	850	850	900	900	900	900	1000	1000	1000	1000	1100	1300	1300	1300
	H	1250	1250	1250	1275	1275	1275	1275	1425	1425	1425	1425	1575	1700	1700	1700
Fuel Tank Capacity (Ltr)	50	50	50	80	80	100	100	100	100	100	100	125	250	250	250	
Weight of DG Set (Kg) **	692	699	705	830	870	1020	1030	1110	1130	1115	1180	1375	1960	2020	2050	
ENGINE																
Engine Manufacturer	TAFE Motors and Tractors Limited															
Engine Brand	Eicher Engines										TMTL Engines					
Engine Model	110A1-EG008	110A1-EG008	110A0-EG008	115A0-EG010	220A0-EG015	329A0-EG020	329A0-EG025	329A0-EG030	329A0-EG035	333W0-EG040	333W0-EG045	333W0-EG060	449W0-EG083	449W0-EG100	449W0-EG125	
No. of Cylinders	1	1	1	1	2	3	3	3	3	3	3	3	4	4	4	
Aspiration	Naturally Aspirated							Turbo Charged Inter-cooled								
Engine BHP (gross)	10.7	10.7	11.3	17.6	24	25.7	35	40.5	47.5	54	60	74.8	102.2	123.3	160.5	
Reference Standard	Engine : As per ISO 3046-1, Genset : As per ISO 8528															
Displacement (cc)	981	981	981	1557	1963	2945	2945	2945	2945	3298	3298	3298	4910	4910	4910	
Compression Ratio	17±0.5 : 1	17±0.5 : 1	17±0.5 : 1	18±0.5 : 1	17±0.5 : 1	17±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	17.5±0.5 : 1	17±0.5 : 1	17±0.5 : 1	17±0.5 : 1	
Type/Class of Governing	Mechanical G2	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	CRS Electronic G3	
Bore x Stroke (mm)	100x125	100x125	100x125	115x150	100x125	100x125	100x125	100x125	100x125	108x120	108x120	108x120	108x134	108x134	108x134	
Type of cooling	Air Cooled								Water Cooled							
Lub oil Sump capacity (with filters)	5	5	5	7.5	8	9.5	9.5	9.5	9.5	8.0	8.0	8.0	18.0	18.0	18.0	
Coolant capacity - Total (Ltr)	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	11	13	24	24	24	
Coolant capacity - Radiator(Ltr)	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	4.5	5.0	7.4	7.4	7.4	
Engine Electrical System	12V, 60/65 Ah		12V, 88/90 Ah								12V, 99/100 Ah			12V, 120 Ah		
Exhaust After Treatment System	-	-	EGR	EGR	EGR	EGR	EGR + DOC	EGR + DOC	EGR + DOC	EGR + DOC	EGR + DOC	EGR + DOC	DOC + SCR	DOC + SCR	DOC + SCR	
ALTERNATOR																
Phase	1 Phase-2 wire / 3 Phase-4 wire											3 Phase-4 wire				
Voltage	230 V AC / 415 V AC											415 V AC				
Power Alternator Type	Single Bearing, Brushless, 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)

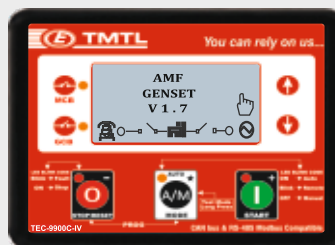
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PRIME POWER (PRP)

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,[#] 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

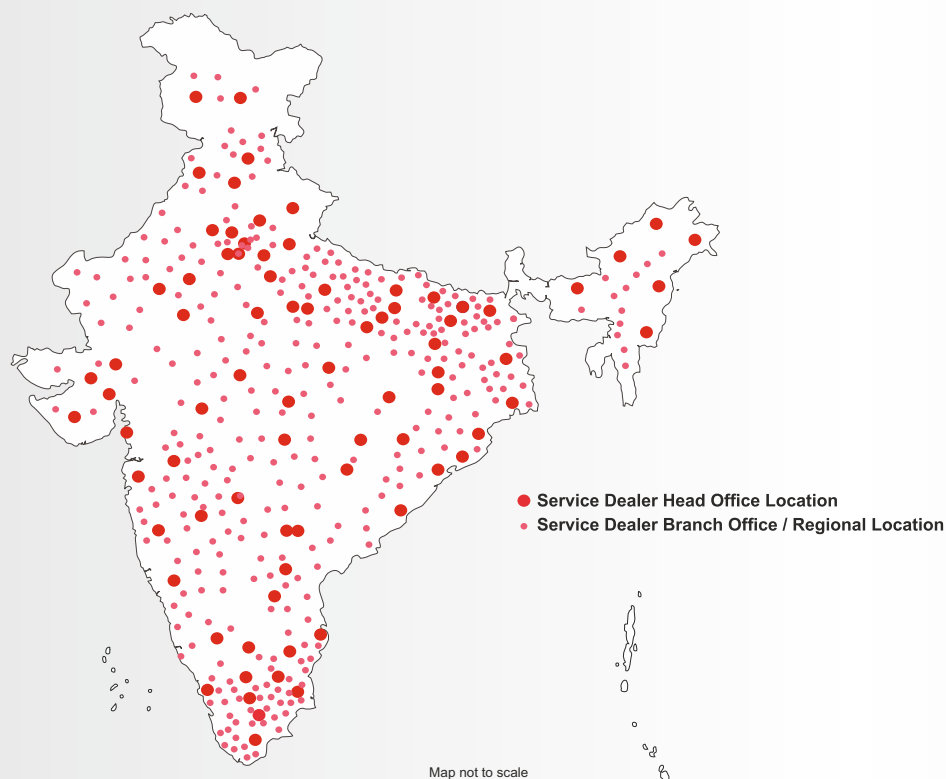
[#]Applicable for Air-cooled DG sets only.

EXISTING CLIENTS



All client names and logos featured are the property of their respective trademark or copyright owners and do not belong to TMTL.

PAN INDIA SERVICE NETWORK



You can rely on us...

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