



# TMTL

## TECHNOLOGY HAS A NEW NAME

**BEST FUEL ECONOMY**  
**BEST COST OF OWNERSHIP**

**BEST IN RELIABILITY**  
**BEST IN CLASS SERVICE**



\*Terms and conditions apply



You can rely on us...

**TMTL**

**EICHER ENGINES**  
5 TO 45 kVA

**TMTL ENGINES**  
62.5 TO 125 kVA

#IndiaKaEngine

**PERFECT**  
SOLVING YOUR POWER NEEDS ...



# OUR HERITAGE

As one of the pioneers in manufacturing diesel engines in the country with a heritage of more than 55 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 60 hp (45 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 (62.5 kVA to 125 kVA) was developed and marketed under the TMTL Engines brand name. Currently both Eicher Engines (5 kVA to 45 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, rental agents, commercial, construction and real estate, 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 7,00,000 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: 9001:2000, ISO: 9001:2008, OHSAS 18001: 2007, ISO-14001:2004 and Ts16949.

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's flagship product, 125 kVA genset, is one of the most technologically advanced gensets in India with indigenously developed CRDI engine and Isochronous Governing, 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
A 1 Governing	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 (Water Cooled Range)	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 62.5 kVA) 50 mm PU Foam (82.5 to 125 kVA)	Thickest in its class 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

GENERATOR MODEL	PECH-5	PECH-7.5	PECH-10A	PECH-12.5A	PECH-15A	PECH-20 A1	PECH-25A	PECH-30	PECH-35	PECH-40A	PECH-45 A	PECH-50	PECH-62.5	PECH-82.5	PECH-100	PECH-125		
KVA Rating	5	7.5	10	12.5	15	20	25	30	35	40	45	50	62.5	82.5	100	125		
Duty	Prime	Prime	Prime	Standby	Prime	Standby	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime	Prime		
Control Panel	Options available for AMD / Manual Control Panel																	
Acoustic	PU - FR Acoustic Foam																	
GENERATOR DIMENSION L x W x H (MM)	1500 x 850 x 1225	1500 x 850 x 1225	1700 x 900 x 1250	1700 x 900 x 1250	1700 x 900 x 1250	1700 x 900 x 1250	2050 x 900 x 1250	2250 x 1030 x 1400	2250 x 1030 x 1400	2450 x 1030 x 1400	2450 x 1030 x 1400	2650 x 1100 x 1550	2650 x 1100 x 1550	3300 x 1300 x 1700	3300 x 1300 x 1700	3300 x 1300 x 1700		
DG Weight - Kg	650	650	770	770	775	790	1070	1100	1100	1170	1170	1302	1302	1775	1825	1875		
FUEL TANK	50 LTR	50 LTR	60 LTR	60 LTR	75 LTR	75 LTR	100 LTR	100 LTR	100 LTR	100 LTR	100 LTR	125 LTR	125 LTR	250 LTR	250 LTR	250 LTR		
<b>Engine</b>																		
Engine Brand	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	EICHER	TMTL	TMTL	TMTL	TMTL	TMTL		
Engine Model	198 ES	198 ES	222 ES	222 ES	322 ES	323 ES	422 ES	422 TC	422 TC	422 TCI	422 TCI	881 ES	881 ES	1121 ES	1401 ES	1751 ES		
No. of Cylinders	1	1	1	1	2	2	3	3	3	3	3	3	3	4	4	4		
Aspiration	Naturally Aspirated						Turbo Charged			Turbo Charges Inter-Cooled								
Engine BHP Gross	11.6	11.6	18.7	18.7	25.2	25.7	35.4	48.3	48.3	60.1	60.1	82	82	102	128	161		
Ref. Standard	Engine - BS 5514, ISO : 3046, IS : 10000, Genset : ISO 8528																	
Displacement (cc)	981	981	1557	1557	1963	1963	2945	2945	2945	2945	2945	3298	3298	4910	4910	4910		
Compression Ratio	17.5:1	17.5:1	17.8:1	17.8:1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1	17 : 1		
Type/Class of Governing	Mechanical / A1 (As per BS 5514)															ISO - Chronous		
Air Cleaner	Dry Type																	
Cooling	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	AIR Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lube Oil Sump Capacity with Filters	5	5	7.5	7.5	8	8	9.5	9.5	9.5	9.5	9.5	8	8	15	15	18		
Engine Electrical System	12 V DC																	
<b>Alternator</b>																		
Phase	1 Phase / 3 Phase											3 Phase						
Voltage	240 V AC, 415 V AC											415 V AC						
Power Alternator Type	Single Bearing, Brushless, Single / Three Phase, Insulation Class H																	
Power Factor	0.8 Lag																	
Rated Speed/ Freq.	1500 RPM / 50 Hz																	

## 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 verifying 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 imbalance, Low Lube oil pressure, High cylinder / water temperature, Low Fuel level, will display the Service due alert based on running hours.

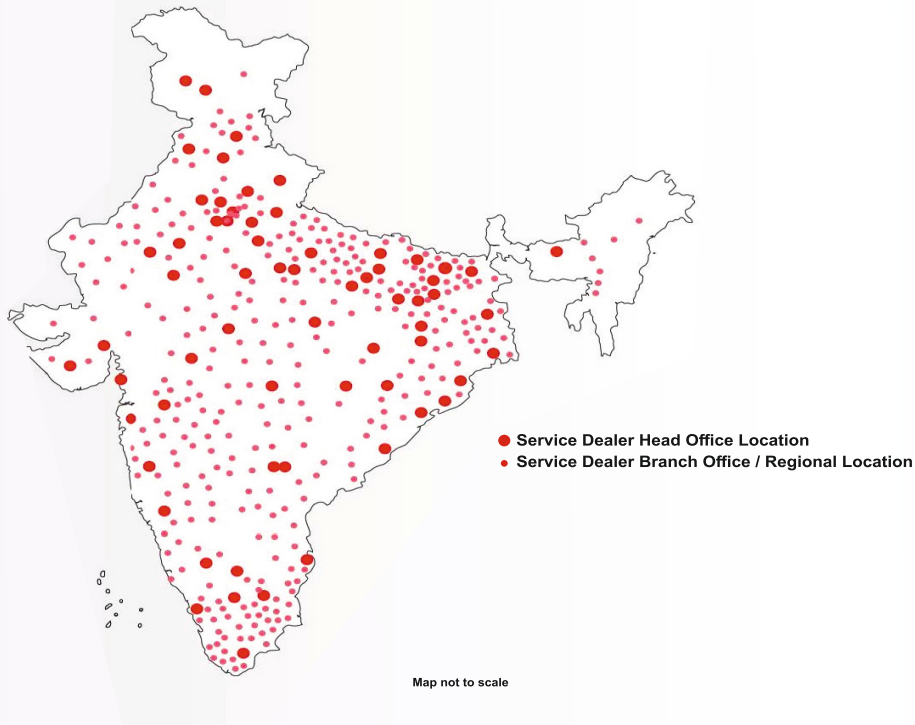
\*Applicable for Air-cooled DG sets only.

# 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...

- ☞ SMS "DG" to 56677
- ✉ dgsales@tmtl.co.in
- 🌐 eicherengines.tmtl.in
- 📘 fb.com/TMTLEngines

## PERFECT HOUSE PRIVATE LIMITED

**CORPORATE OFFICE :** 2nd Floor, 99C Kavya Aura, RTO Road, Tardeo, Mumbai - 400034.  
**PHONE :** +91-22-6261 1900 / 907 | **FAX :** +91-22-4120 7375 | **TOLL FREE :** 1800 88 96498

**Email :** sales@perfectgense.com | **WEBSITE :** www.perfecthousetld.in

**FACTORY ADDRESS :** M-7, J-2/5, J-2/6, Additional MIDC Satara - 415004, Maharashtra, India.

**NORTH REGIONAL OFFICE :** Tower B2, Spaze I Tech Park, 5th Floor, Unit No. 554 & 555, Soham Road, Gurgaon - 122002.

**SOUTH REGIONAL OFFICE :** Ground Floor, 83/112, Mount Road, (Adjacent Road of Hotel Klase) Guindy, Chennai - 600032

**WEST REGIONAL OFFICE :** 1011 -10th Floor "City Avenue" Wakad -Mumbai - Bangalore Highway Next to Phoenix The Millennium Mall PCMC, Maharashtra 411057

## TAFE MOTORS AND TRACTORS LIMITED

(A wholly owned subsidiary of TAFE)

Dealer Stamp