



# TMTL

## TECHNOLOGY HAS A NEW NAME

BEST FUEL ECONOMY

BEST COST OF OWNERSHIP

BEST IN RELIABILITY

BEST IN CLASS SERVICE



**SWASTIK**

GREEN SOLUTIONS LLP

YOUR PROBLEM, OUR SOLUTION



*You can rely on us...*

**TMTL**

**EICHER ENGINES**  
5 TO 45 kVA

**TMTL ENGINES**  
62.5 TO 125 kVA

#IndiaKaEngine

\*Terms and conditions apply

# 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

Quality of Power

Lowest Flickering and Fluctuation

## A 1 Governing

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)

Thickest in its class

50 mm PU Foam (82.5 to 125 kVA)

Low noise and vibration level

Super Silent Options available

Silencer Inside the Canopy

Better Aesthetics

Longer life of Silencer

Compact Size

Saves Space

Large Doors on Both Sides

Suitable for roof top installation

Drain Provided for Lube Oil and Fuel Tank

Ease of Maintenance

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

Dual Fuel Lock

Pilferage Proof

S-bend Fuel Pipe

Stainless Steel Fuel Strainer

Long Life Weather Protection

State of Art Powder Coating Plant

## 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

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	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						
Engine																						
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)																					
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	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																					
Alternator																						
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.

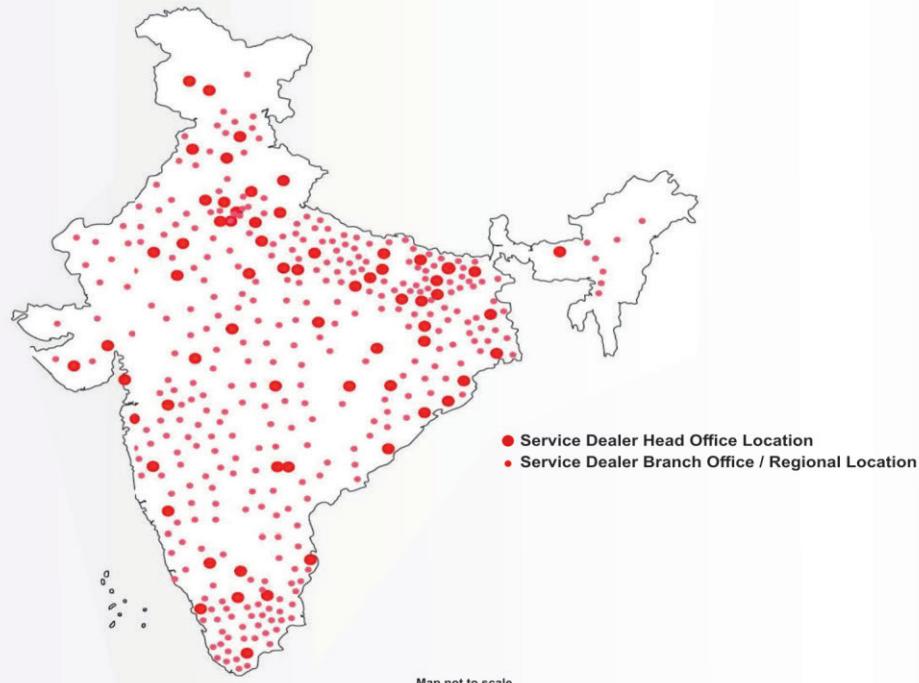
\*Applicable for Air-cooled DG sets only.

# 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...

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Dealer Stamp