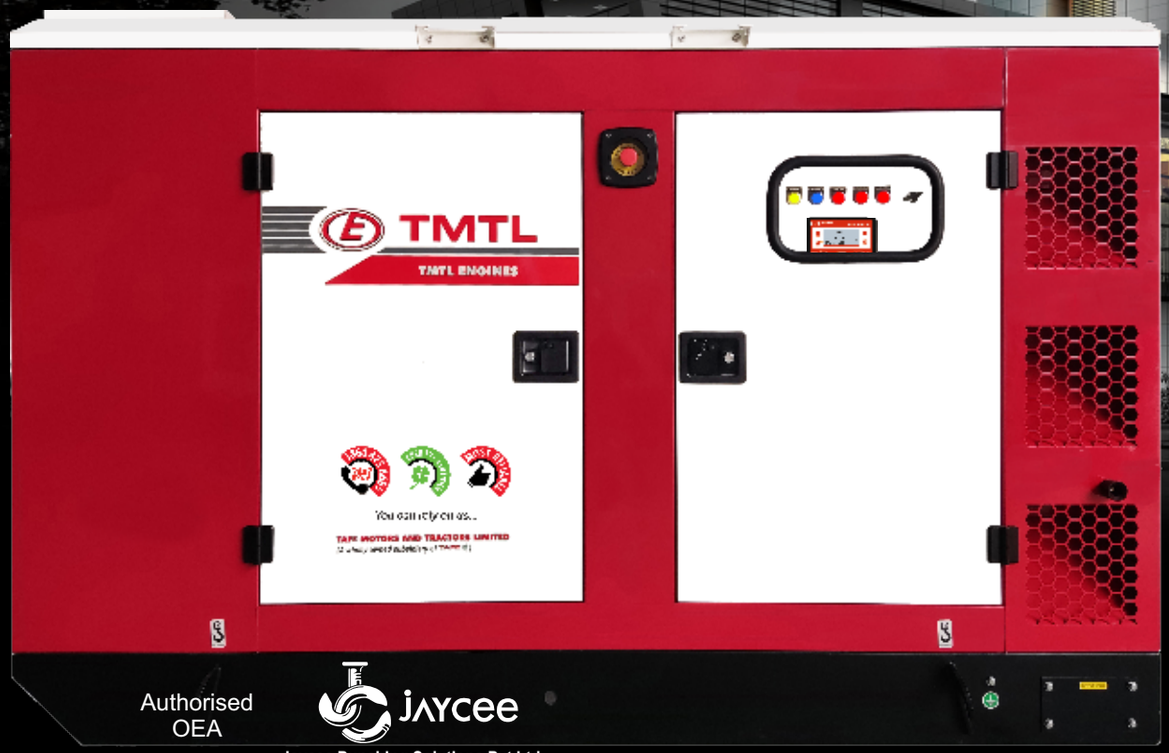
TMTL

YOUR POWER TO SUCCESS

BEST FUEL ECONOMY
BEST COST OF OWNERSHIP
BEST IN RELIABILITY
BEST IN CLASS SERVICE



5 Years* WARRANTY

* Terms and conditions apply

Authorised OEA

JAYCEE

Jaycee Punching Solutions Pvt.Ltd.

1860 425 8685 24x7 TMTL CARE

CPCB IV+ CERTIFIED

MOST RELIABLE

You can rely on us...

TMTL

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 Most Economical Genset
CRS - Electronic G3 Governing (25 kVA onwards) Mechanical G2 Governing (up to 20 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
40 mm PU Foam (5 to 60 kVA) 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 Suitable for roof top installation
Large Doors on Both Sides Drain Provided for Lube Oil and Fuel Tank	Ease of Maintenance
Unitary Front and Back Panel Canopy with Internal Bolting Stainless Steel Hinges with SS Studs SS Slam Locks with Barrel & Padlock arrangement	Higher Degree of Safety
Dual Fuel Lock Temper Proof Fuel Filling Arrangement	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
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
DG Dimensions in mm B	850	850	850	900	900	900	900	1000	1000	1000	1000	1100	1300	1300	1300
DG Dimensions in mm 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	128.3	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

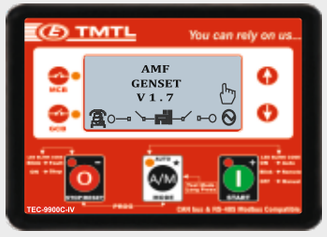
** 1. The weight of the DG Sets is approximate only (With engine lube oil and coolant as applicable but without the Diesel). 2. Tolerance applicable on the weight of the DG Sets +/- 50 Kg owing to variation in the genset accessories and different makes of the alternator.

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)
* 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

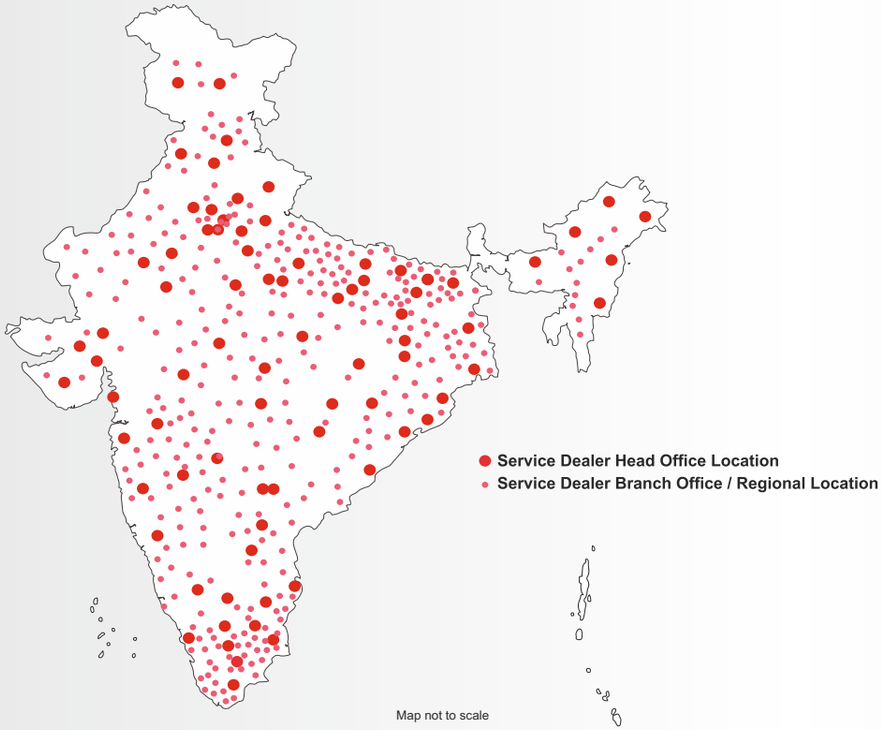
Protection for Over / Under Voltage / Frequency / Speed, Over load, Canopy FAN fault[#], Load unbalance, Low Lube oil pressure, High cylinder / water temperature, Low Fuel level, Radiator water low, Charging alternator / V-Belt failure etc. Service due prompt - Control unit, will display the Service 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



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CPCB IV+ CERTIFIED

MOST RELIABLE

You can rely on us...

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9555912222

JAYCEE PUNCHING SOLUTIONS PVT. LTD.
Authorised OEA of TAFE Motors and Tractors Limited

Factory : 50 Km Milestone, Mathura Road Highway, Behind Pooja Forge & Container Depot, Prithla - 121002, District Palwal, Haryana
Corporate & Marketing Office: 8th Floor, 801, SSR Corporate Park, Opp. NHPC Metro Station, 13/6 Mathura Road, NH – 2, Faridabad – 121003 (Haryana)
Phone : 0129-4250800, **email :** info@jayceepower.com, **website** : www.jayceepower.com

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

Dealer Stamp

DOM/DG/ENG/03-25:07