

FEATURES AND BENEFITS

ENGINE

Cutting Edge Technology	Best in Class Fuel Efficiency Lowest Maintenance Longest Oil Change Period Longest Overhauling Period Most Economical Genset
A1/ Isochronous* Governing	Quality of Power Zero Flickering and Fluctuation
High Moment of Inertia and Torque	Best in Class Block Loading Capability Better Performance at Varying Load
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	Ease of Maintenance
Unitary Front and Back Panel Canopy with Internal Bolting Stainless Steel (SS) Hinges with SS Studs SS Slam Locks with Barrel & Padlock arrangement	Higher Degree of Safety
Dual Fuel Lock S-bend Fuel Pipe SS Fuel Strainer	Pilferage Proof

* Available in 125 kVA

CUSTOM OPTIONS

- Special control panel options
- Super silent option (65 db)
- Ultra super silent option (58 db)
- Fuel tank available with different capacity/configurations
- RTU DG sets
- Custom made options for telecom industry

OUR CLIENTS



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SOLVING YOUR POWER NEEDS



CONTACT US

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MADE IN INDIA
MADE FOR THE WORLD



TECHNOLOGY
HAS A NEW NAME

- BEST FUEL ECONOMY
- BEST COST OF OWNERSHIP
- BEST IN RELIABILITY
- BEST IN CLASS LIFE



You can rely on us...



ABOUT JAYCEE

Established in 2009, Jaycee Punching Solutions Pvt. Ltd. is part of "Jaycee" group. The company is one of the leading players in genset business and is an OEA (Original Equipment Assembler) for Eicher Engines (TMTL). The company has sold more than 60,000 gensets in the Indian and Overseas Market.

The company has state of the art plant in Prithla, Haryana for manufacturing Diesel Generators and Electrical Stampings. Jaycee Generator division provides economical power solutions with custom built products and services to cater to a wide range of institutional and retail customers ranging from Telecom Operators, Banking and Finance, rental agents, commercial, construction and real estate, Hospitality, petrol pumps, educational institutions, hospitals and residential etc.

The manufacturing facilities are ISO 9001:2015 Certified for quality, ISO 14001:2015 for environment and OHSAS 18001:2007 Certified

ABOUT TMTL

As one of the pioneers in manufacturing diesel engines in India with a heritage of more than 55 years of expertise, TMTL – TAFE MOTORS AND TRACTORS LTD is a wholly owned subsidiary of Tractors and Farm Equipment Ltd (TAFE). In 2005 TAFE acquired the Tractors, Gears, Transmission and the Engine business from Eicher Motors Limited through its wholly owned subsidiary TMTL along with plant and Machinery.

TMTL manufactures both air cooled (12 to 67 HP) and liquid cooled engines (49 to 160 HP). TMTL is one of the few engine manufacturers in India that have developed all its engines in-house with help of renowned technology partners such as Ricardo Engines and AVL from UK and Sisu Diesel and Valtra of Finland. TMTL engines known for long running hours & longest life are first choice in harshest climatic conditions due to Engine's Ruggedness and robustness

TMTL has an existing base of over 1 million highly satisfied customers. With an emphasis to global standards of quality and productivity, TMTL Engines Division employs quality management tools such as TQM,TPM,SGA and Kaizen extensively. The engine plant at Alwar is certified under ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

JAYCEE MANUFACTURING FACILITIES

- The Diesel Generator manufacturing plants are spread over an area of 23000 sq mtrs in industrial town of Prithla which is about 15 km from Faridabad.
- The combined manufacturing capacity of both units is 1850 Diesel Generators per month and has capacity to store 1000 dg sets at one time. Separate sheds are demarcated for engine and alternator storage.
- The Diesel Generators are assembled on a roller based conveyor line.
- The latest machinery used in fabrication and manufacturing include 4 nos Turret Punching machines from Amada, Japan and Trumpf, Germany and 8 nos Bending machines, also from Amada/ Trumpf. A Laser Cutting Machine is also installed.
- Nine Tank Sheet metal cleaning and processing unit has been installed for ultimate cleansing, degreasing and phosphating.
- Powder coating plant is imported from Wagner, Germany. It has a CNC controlled Reciprocator for even and good quality coating finish.



TECHNICAL SPECIFICATION

PARAMETER	SPECIFICATIONS															
GENSET																
Power (kVA)	5 kVA	7.5 kVA	10 kVA	12.5 kVA	15 kVA	20 kVA	25 kVA	30- 35 kVA	40 - 45 kVA	35 kVA	40 - 45 Kva	62.5 kVA	82.5 kVA	100 kVA	125 kVA	
Genset Model	JPS/5001A JPS/5003A	JPS/7051A JPS/7053A	JPS/1101R JPS/3101R	JPS/1132R JPS/3132R	JPS/1151R JPS/3151R	JPS/1201R JPS/3201R	JPS/1255A JPS/3255A	JPS/1307A/30 JPS/3307A/30 JPS/1357A/35 JPS/3357A/35	JPS/1403AA/40 JPS/3403AA/40 JPS/1453AA/45 JPS/3453AA/45	JPS/1354A JPS/3354A	JPS/1404A/40 JPS/3404A/40 JPS/1454A/45 JPS/3454A/45	JPS/3636A	JPS/3083A	JPS/3100A	JPS/3125A	
Duty	Prime	Prime	Prime	Standby	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 (LXBXH)	1500 850 1225	1500 850 1225	1700 900 1250	1700 900 1250	1700 900 1250	1700 900 1250	2050 900 1250	2250 1030 1400	2450 1030 1400	2450 1030 1400	2450 1030 1400	2650 1100 1550	3300 1300 1700	3300 1300 1700	3300 1300 1700	
Fuel Tank Capacity (Lt.)	50	50	55	55	75	80	100	100	100	100	100	125	250	250	250	
Weight of DG Set (Kg)*	650	700	925	900	900	900	1050	1200/1225	1270/1330	1260/1320	1260/1320	1470	1980	2000	2050	
ENGINE																
Engine Manufacturer	TAFE Motors and Tractors Limited															
Engine Brand	EICHER ENGINES											TMTL ENGINES				
Engine Model	198 ES	198 ES	222 ES	222 ES	322 ES	323 ES	422 ES	422 TC	422 TCI	621 ES	621 ES	881 ES	1121 ES	1401 ES	1751 ES	
No.of cylinders (Nos)	1	1	1	1	2	2	3	3	3	3	3	3	4	4	4	
Aspiration	Naturally Aspirated								Turbo Charged	Turbo charged Inter Cooled	Turbo Charged		Turbo Charged Inter cooled			
Engine BHP (Gross)	11.5	11.5	18.7	18.7	25.1	25.7	35.5	48.2	60	59	59	82.3	102	128	160	
Reference Standard	Engine - BS 5514, ISO 3046, IS 10000, Genset - ISO 8528															
Displacement (cc)	981	981	1557	1557	1963	1963	2945	2945	2945	3298	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 : 01	17 : 01	17 : 1	17 : 1	17 : 1	17 : 1	
Type / Class of Governor	Mechanical / A1 (As per BS 5514)															Isosynchronous
Bore x Stroke (mm)	100x125	100x125	115x150	115x150	100x125	100x125	100x125	100x125	100x125	108x120	108x120	108x120	108x134	108x134	108x134	
Type of cooling	Air Cooled											Liquid Cooled				
Lub Oil system capacity (Including Oil Filter)	5 Litres	5 Litres	7.5 Litres	7.5 Litres	8 Litres	8 Litres	9.5 Litres	9.5 Litres	9.5 Litres	8 Litres	8 Litres	8 Litres	15 Litres	15 Litres	18 Litres	
ALTERNATOR																
Phase	1 Phase / 3 Phase											3 Phase				
Voltage	230 / 240 V AC, 415 V AC											415 V AC				
Type	Single Bearing, Brushless Single / Three phase, Insulation Class H															
Power factor	0.8 lag															
Rated Speed (RPM) / Freq. (Hz)	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.

