



TMTL

YOUR POWER TO SUCCESS

BEST FUEL ECONOMY

BEST COST OF OWNERSHIP

BEST IN RELIABILITY

BEST IN CLASS SERVICE



AFFINITY POWER PRIVATE LIMITED

Authorised OEM of Eicher Engines

A unit of TAFE MOTORS AND TRACTORS LIMITED

(A wholly owned subsidiary of)

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* Terms and conditions apply

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You can rely on us...



EICHER ENGINES
AIR COOLED

TMTL ENGINES
WATER COOLED

#IndiaKaEngine

TECHNICAL SPECIFICATIONS

| GENSET | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------|-------------|-------------|--------------------------|----------------|------|--|--|--|--|--|--|--|--|--|--|
| Power (kVA) | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 100 | 125 | | | | | | | | | | | |
| Genset Model | AP005 - SP AP005 - TP | AP007 - SP AP007 - TP | AP010 - SP AP010 - TP | AP015 - SP AP015 - TP | AP020 - SP AP020 - TP | AP025 - SP AP025 - TP | AP030 - SP AP030 - TP | AP035 - SP AP035 - TP | AP040 - SP AP040 - TP | AP045 - SP AP045 - TP | AP050 - TP | AP060 - TP | AP100 - TP | AP125 - TP | | | | | | | | | | | |
| Duty | Prime | Prime | Prime | 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 | L | 1500 | 1500 | 1800 | 1800 | 2050 | 2050 | 2250 | 2250 | 2350 | 2350 | 2500 | 2500 | 3300 | 3300 | | | | | | | | | | |
| | B | 850 | 850 | 900 | 900 | 900 | 900 | 1000 | 1000 | 1000 | 1000 | 1100 | 1100 | 1300 | 1300 | | | | | | | | | | |
| | H | 1250 | 1250 | 1275 | 1275 | 1275 | 1275 | 1425 | 1425 | 1425 | 1425 | 1575 | 1575 | 1700 | 1700 | | | | | | | | | | |
| Fuel Tank Capacity (Lt.) | 50 | 50 | 75 | 80 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 125 | 125 | 250 | 250 | | | | | | | | | | |
| Weight of DG Set (Kg) ** | 650 | 700 | 890 | 900 | 1035 | 1050 | 1200 | 1225 | 1270 | 1330 | 1470 | 1470 | 2125 | 2125 | | | | | | | | | | | |
| ENGINE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engine Manufacturer | TAFE Motors and Tractors Limited | | | | | | | | | | | | | | | | | | | | | | | | |
| Engine Brand | Eicher Engines | | | | | | | | | | | | | | | | | | | | | | | | |
| Engine Model | 110A0-EG008 | 110A0-EG008 | 115A0-EG010 | 220A0-EG015 | 329A0-EG025 | 329A0-EG025 | 329A0-EG030 | 329A0-EG035 | 333W0-EG040 | 333W0-EG045 | 333W0-EG060 | 333W0-EG060 | 449W0-EG100 | 449W0-EG125 | | | | | | | | | | | |
| No. of Cylinders | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | | | | | | | | | | | |
| Aspiration | Naturally Aspirated | | | | | | | | Turbo Charged Inter-cooled | | | | | | | | | | | | | | | | |
| Engine BHP (gross) | 11.3 | 11.3 | 17.6 | 24 | 35 | 35 | 41 | 46 | 54 | 60 | 74.8 | 74.8 | 160 | 160 | | | | | | | | | | | |
| Reference Standard | Engine - BS: 5514, ISO: 3046, IS: 10000, Genset - ISO: 8528 | | | | | | | | | | | | | | | | | | | | | | | | |
| Displacement (cc) | 982 | 982 | 1558 | 1963 | 2945 | 2945 | 2945 | 2945 | 3298 | 3298 | 3298 | 3298 | 4910 | 4910 | | | | | | | | | | | |
| Compression Ratio | 17.5 : 1 | 17.5:1 | 18:1 | 17:1 | 17:1 | 17:1 | 17:1 | 17:1 | 17.5:1 | 17.5:1 | 17.5:1 | 17.5:1 | 17:01 | 17:01 | | | | | | | | | | | |
| Type/Class of Governing | Mechanical / G2 | | | | Electronic / G3 | | | | | | | | Electronic / Isochronous | | | | | | | | | | | | |
| Bore x Stroke (mm) | 100x125 | 100x125 | 115x150 | 100x125 | 100x125 | 100x125 | 100x125 | 100x125 | 108x120 | 108x120 | 108x120 | 108x120 | 108x134 | 108x134 | | | | | | | | | | | |
| Type of cooling | Air Cooled | | | | | | | | Water Cooled | | | | | | | | | | | | | | | | |
| Lub oil Sump capacity (with filters) | 5 | 5 | 7.5 | 8 | 9.5 | 9.5 | 9.5 | 9.5 | 8 | 8 | 8 | 8 | 18 | 18 | | | | | | | | | | | |
| Engine Electrical System | 12V, 60/65 Ah | | | | 12V, 88/90 Ah | | | | 12V, 99/100 Ah | | | | 12 V DC, 130 Ah | | | | | | | | | | | | |
| ALTERNATOR | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phase | 1 Phase-2 wire / 3 Phase-4 wire | | | | | | | | | | | | 3 Phase-4 wire | 3 Phase-4 wire | | | | | | | | | | | |
| Voltage | 240 V AC / 415 V AC | | | | | | | | | | | | 415 V AC | 415 V AC | | | | | | | | | | | |
| Power Alternator Type | Single Bearing, Brushless, Single / Three Phase, Insulation Class H, Voltage regulation +/- 1%, make - CG / Leroy Somer / Mecalte / 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 SC 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 imbalance, 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

#Applicable for Air-cooled DG sets only.