

| Prime Ratings Range | |
|---------------------|-----------|
| | GGP7.5EKL |
| | 50Hz |
| kVA | 7.5 |



The GGP-Escorts Kubota Advantage

- One-stop solution for the generating system and accessories
- Manufactured in India with global expertise
- Compact design with ease of maintenance
- Max winding provides excellent motor starting capability
- Flexible & creative customized solutions to meet customer needs
- Fast response time
- Two-years or 5000 hours as per standard warranty terms from date of initial startup

Special Features

Natural aspirated industrial diesel engine with superior efficiency and operating economy

- Integral vibration isolation eliminates the need for under-unit vibration spring isolators
- Advanced Digital Controller (ADC) with 3 auto crank cycles and inbuilt AMF logic
- Alternator features:
 - Alternator meets Indian and international standards
 - Self-ventilated and drip proof of IP23 construction
 - Superior voltage waveform by 2/3 pitch wound stator
 - Sustained short circuit current of up to 300% of the rated current
- Silencer located inside canopy

Standard Features

- Engine mounted battery charging alternator
- Single - bearing alternator with insulation Class H
- Unit mounted radiator with 50°C ambient temperature
- Base frame mounted fuel tank with minimum 8 hrs running capacity
- Dry type air filter with restriction indicator
- DG circuit breaker
- Electric start with battery
- Conveniently located fuel level indicator
- Exhaust tail pipe as standard scope of supply
- Weather proof enclosures to withstand harsh climate
- Ease of accessibility for all routine service points
- Riser blocks for lifting and handling

Conformance Standards

- ISO 9001-2015
- BS 5514
- ISO 14001

Generator Set Ratings

| Genset | Engine | Alternator | Voltage | Phase | Hz | Prime Rating | | Amps |
|-----------|--------|-------------------|---------|-------|----|--------------|-----|------|
| | | | | | | kWe | kVA | |
| GGP7.5EKL | G12-IV | Stamford/Meccalte | 415 | 3 | 50 | 6 | 7.5 | 10 |
| GGP7.5EKL | G12-IV | Stamford/Meccalte | 230 | 1 | 50 | 6 | 7.5 | 32 |

PRIME POWER RATINGS: Prime power ratings apply to installations where utility power is unavailable or unreliable. At varying load, the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1 and BS 5514. For limited running time and base load ratings, consult the factory. Obtain the technical information bulletin (TIB-101) on ratings guidelines for the complete ratings definitions.

Engine Specifications

| Specifications | 7.5 kVA |
|--|--|
| Engine model | G12-IV |
| Engine aspiration | Natural aspiration |
| No. of cylinders & arrangement | 2, Inline |
| Displacement, L (cu) | 1560 |
| Bore and stroke, mm | 95 x 110 |
| Compression ratio | 17.5:1 |
| Governor: type, Class | Mechanical, Class A1 |
| Frequency regulation, steady state | IS 8528 P2 |
| Air cleaner type, Qty | Dry, 1 |
| Unit-mounted radiator ambient temperature °C (°F) | 50 (122) |
| Max. power kWm (BHP) @ rated speed (rpm) | 11 (14.8) @ 1500 |
| Diesel Fuel Consumption | |
| 100% Load (Lph) | 2.24 |
| Fuel System | |
| Fuel priming | Manual |
| Fuel filter : Type, Qty | Combo fuel filter, 1 |
| Recommended fuel | HSD-ASTM D2 |
| Fuel tank capacity, Ltr | 95 |
| Fuel filter change period | Initial - 100 hrs / 3 months, Subsequent 500 hrs / 12 months whichever is earlier |
| Lubrication System | |
| System type | Forced lubrication |
| Lube oil type | CF4-15W40 |
| Oil pan capacity with filter, Ltr | 5.5 |
| Oil filter: Quantity, Type | 1, spin on & by-pass |
| Oil and oil filter change period | Initial - 100 hrs / 3 months, Subsequent 500 hrs / 12 months whichever is earlier |
| Exhaust System | |
| Max. allowable back pressure, KPa (in.Hg) | 4 (1.2) |
| Exhaust outlet size at engine hookup, mm (in) | 75 (2.95) |
| Silencer Type, Quantity | Residential, 1 |
| Exh. temperature at rated kW, dry exhaust, °C (°F) | 550 (1022) |
| Cooling System | |
| Ambient temperature, °C (°F) | 50 (122) |
| Coolant capacity including engine, L (gal) | 3.8 (0.83) |
| Water pump type | Impeller |
| Fan diameter, including blades, mm (in.) | 350 (14) |
| Engine Electrical System | |
| Starter Motor rated voltage VDC | 12 V |
| Battery charging alternator | 12 V , 35 Amp |
| Ground (negative/positive) | Negative |
| Battery type- | Lead acid |
| Amp/hour | 60 |
| Quantity | 1 |
| Battery voltage, VDC | 12 |

Alternator Specifications

| Specifications | 7.5 kVA |
|---|-------------------|
| Type | 2 Pole |
| Exciter type | Brushless |
| Voltage regulator | AVR |
| Insulation - Material - Temperature rise, Prime | Class H 125° C |
| Bearing: Quantity, Type | 1, Sealed |
| Coupling | Close coupled |
| Voltage regulation | +/- 1% |
| Excitation | Self-excitation |
| Frequency, Fixed, Hz | 50 |
| Full load current - 3 phase - 1 phase | 10 32 |
| Prime at 125° C, kVA | 7.5 |

Advanced Digital Controller (DSE4520)

Standard Features

- Master switch: Control On/Off
- Event Log
- Remote two-wire start/stop capability
- One-source responsibility for generating system & accessories
- Automatic start with programmed cranking cycle
- Field software upgrade possibility
- Operating temperature: -20° C to 70° C (-4° F to 158° F)
- Storage temperature: -60° C to 70° C (-76° F to 158° F)
- Humidity: 0-95% condensing
- Control Panel
 - Alternator to control panel connection with copper cable only
 - MCCB/MCB details : with short circuit and overload protection
 - Inbuilt AMF controller

| | |
|---|---------|
| Up to 200 meter cable length | 7.5 kVA |
| Output copper cable size (Sq. mm) : 3 Ph. (1 run) | 3.0 |
| Output copper cable size (Sq. mm) : 1 Ph. (1 run) | 8.0 |



Optional Features

- Microprocessor based AMF change over panel
- Remote monitoring system

Controller Information

| LCD Display | LCD Display Faults | Display Warnings | Optional Accessories | Power Requirements |
|----------------------|------------------------------|----------------------|---------------------------|-----------------------------------|
| Runtime hours | High engine temperature | Low battery voltage | Battery charger 12 V | 8 to 35 V DC with fuse protection |
| Engine speed | Low oil pressure | High battery voltage | Earth leakage protection | 85 mA @ 12 VDC |
| Power factor KVA | Over speed / under speed | Low fuel level | VAF meter (multifunction) | 96 mA @ 24 VDC |
| Current | Over and under voltage | Maintenance alarm | kWh meter | |
| Voltage | Over and under frequency | | Remote monitoring system | |
| Frequency | E-stop | | | |
| Engine temperature | Auxiliary fault | | | |
| Engine oil pressure | Low fuel level | | | |
| Battery voltage | Over load current | | | |
| Kilowatt & kVA | Phase reversal - for 3 phase | | | |
| Fuel level (in %age) | | | | |

Regulatory Compliance

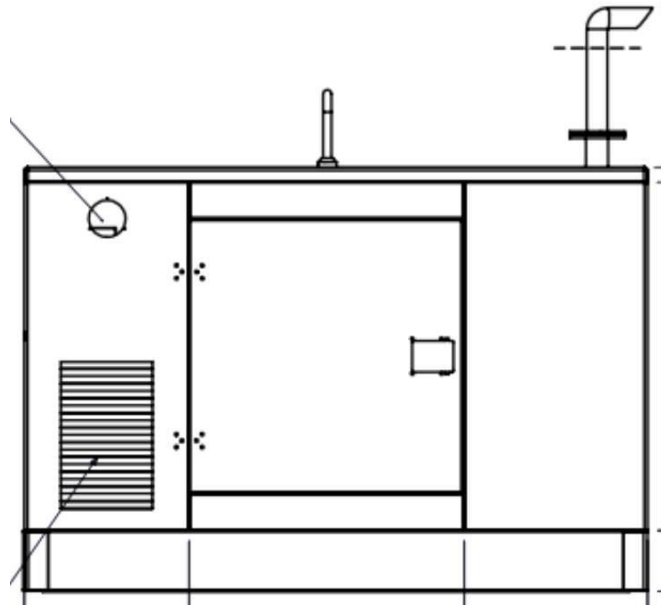
| Specifications | 7.5 kVA |
|--|--------------------|
| As per ISO 8178-5 mode cycle (Engine emission) | CPCB-IV+ compliant |
| Noise level measured at 1 meter distance | < 75 dB (A) |

Dimensions and weight

| Specifications | 7.5 kVA |
|------------------------------|---------------|
| Overall Size, L x W x H (mm) | 1775X950X1300 |
| Weight, dry, max (kg) | 700 |

NOTE : Drawing provided is for reference only and should not be used for planning installation. Please contact the Company for latest updated details.

* All the data is as per respective manufacturers' specification. Please refer O & M manual for maintenance and preservation guidelines.



* Fuel consumption data is based on HS Diesel having specific gravity of 0.85 and conforming to IS:1460 Standard. Fuel consumption tolerance is +5%.

GGP reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

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Authorized Channel Partner:

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