

6M26 Series

General Specifications

| | |
|-----------------------|-----------------|
| Bore x Stroke | 150 x 150 mm |
| Displacement | 15.9 L |
| N° of Cylinders | 6 |
| Cylinders Arrangement | In line |
| Fuel System | Mechanical Pump |
| Governor (Gov.) | Electronic |
| Aspiration (Asp.) | T/A-A |



| Diesel Engine | Speed Rpm | Gross Engine Output | | Typical Generator Output | | | | Asp. | Gov. |
|---------------|--------------|------------------------|--------------------------|--------------------------|-----|-------------------|-----|-------|------|
| | | Prime Power PRP kWm | Standby Power ESP kWm | Prime Power PRP | | Standby Power ESP | | | |
| | | | | kWe | kVA | kWe | kVA | | |
| 6M26G500/5 | 1500 | 407 | 447 | 360 | 450 | 400 | 500 | T/A-A | Elec |
| 6M26G550/5 | 1500 | 448 | 490 | 400 | 500 | 440 | 550 | T/A-A | Elec |
| 6M26G450/6 | 1800 | 460 | 506 | 400 | 500 | 450 | 563 | T/A-A | Elec |
| 6M26G500/6 | 1800 | 506 | 556 | 450 | 563 | 500 | 625 | T/A-A | Elec |

Aspiration : T/A-A = Turbocharged & Air-to-Air Aftercooled

Standard Equipment

Engine and block

- Cast iron cylinder block with inspection door per cylinder
- Cast iron cylinder liners, wet type and replaceable valves guides and seats
- Separate cast iron cylinder heads with 4 valves
- Hardened steel forged crankshaft with induction hardened journals, crankpins and radius
- Lube oil cooled light alloy pistons with high performance piston rings

Cooling system

- Radiator and hoses supplied separately
- Thermostatically-controlled system with belt driven coolant pump and pusher fan

Lubrication system

- Full flow screw able oil filters
- Lube oil purifier with replaceable cartridge
- Water cooled lube oil cooler

Fuel system

- In line fuel injection pump with flanged electronic governors
- Duplex fine filter and water separation filter assembly with transparent cup for better efficiency
- Electric fuel priming pump integrated in the filters support

Air intake and exhaust system

- Top mounted turbocharger optimized for gen-set application
- Special rear mounted air filter with restriction indicator
- Exhaust manifold and turbocharger shield for heat isolating

Electrical system

- 24 Vdc electric starter motor and battery charging alternator
- LOP + HWT sensors

Flywheel and housing

- SAE 1 flywheel housing and 14" flywheel

Ratings definitions

Emergency Standby Power (ESP)

Emergency Standby Power is the maximum power available for a varying load for the duration of a main power network failure. The average load factor over 24 hours of operation should not exceed 70% of the engine's ESP power rating. Typical operational hours of the engine is 200 hours per year, with a maximum usage of 500 hours per year. This includes an annual maximum of 25 hours per year at the ESP power rating. No overload capability is allowed. The engine is not to be used for sustained utility paralleling applications.

Unlimited Prime Rated Power (PRP)

Prime Power is the maximum power available for unlimited hours of usage in a variable load application. The average load factor should not exceed 70% of the engine's PRP power rating during any 24 hour period. An overload capability of 10% is available, however, this is limited to 1 hour within every 12 hour period.

Continuous Power (COP)

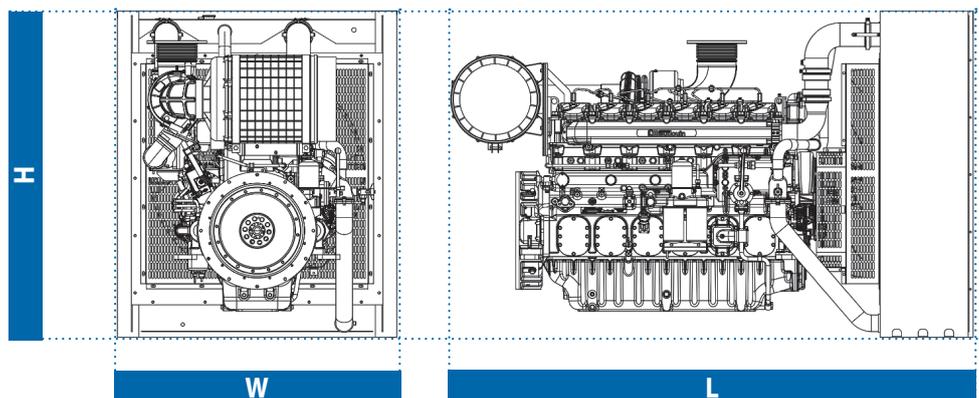
Continuous Power is the maximum power available for an unlimited period of use at a constant load factor. No overload capability is allowed.

1) All ratings are based on operating conditions under ISO 8528-1, ISO 3046, DIN6271. Performance tolerance of $\pm 5\%$.

2) Test conditions : 100 kPa, 25°C air inlet temperature, relative humidity of 30%, with fuel density 0.84 kg/L. Derating may be required for conditions outside these; please contact the factory for details.

3) Power output curves are based on the engine operating with fuel system, water pump and lubricating oil pump; not included are battery charging alternator, fan and optional equipment.

Dimensions and dry weight (mm / kg)



| Diesel Engine | Speed Rpm | Dimensions and dry weights including radiator | | | |
|---------------|--------------|---|---------|---------|---------------|
| | | L mm | W mm | H mm | Weight Kg. |
| 6M266500/5 | 1500 | 2808 | 1500 | 1764 | 2300 |
| 6M266550/5 | 1500 | 2808 | 1500 | 1764 | 2300 |
| 6M266400/6 | 1800 | 2808 | 1500 | 1764 | 2300 |
| 6M266450/6 | 1800 | 2808 | 1500 | 1764 | 2300 |