

# **D2876**

6-cylinder diesel engine for power generation



## **Unlimited Power Generation**

MAN diesel power units are built to satisfy the exact demands of power generation. Rated in the emergency mode for maximum electrical power output (LTP), the power units feature dependable and rapid load acceptance. In the prime power mode (PRP) the units exhibit exceptional endurance with an average operational performance of about 4 000 h/a. Backed by absolute reliability, consistent power availability and exemplary economy, MAN diesel power units qualify for almost unlimited power generation.

### **Engine Description D2876**

#### **Characteristics**

Cylinder and arrangement 6-cylinder in-line

Operation mode 4-stroke diesel engine with direct injection
Charging Exhaust turbocharger with intercooler

Type of cooling Water circulation by centrifugal pump on engine

Injection Bosch in-line pump with integrated, electromagnetic actuator
Engine control GAC-electronic control unit available in different variations

#### **Dimensions D2876**

| A-Overall length with fan-cooled radiator           | mm | 2 046 |
|---|----|-------|
| B-Overall width with fan-cooled radiator            | mm | 1 230 |
| C-Overall height with fan-cooled radiator           | mm | 1 754 |
| D-Height from bottom of engine to crankshaft centre | mm | 454   |
| Weight (dry)  | kg | 1 180 |

#### **Customer Benefits**

- High power ratings with environmentally-friendly operation
- Fast response characteristic to load changes and safe handling of peak load
- Robust, compact design

- High efficiency due to low fuel and lube oil consumption as well as low maintenance
- Reliable operation and long lifetime

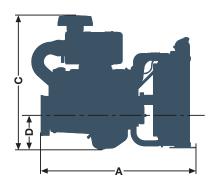
#### **Technical Data D2876**

| Operation  |     | LTP           |               | PRP           |               |  |
|--|-----|---------------|---------------|---------------|---------------|--|
| at speed   | rpm | 1 500 (50 Hz) | 1 800 (60 Hz) | 1 500 (50 Hz) | 1 800 (60 Hz) |  |
| Type of engine   |     | LE 203        | LE 203        | LE 201        | LE 201        |  |
| Bore   | mm  | 128           | 128           | 128           | 128           |  |
| Stroke   | mm  | 166           | 166           | 166           | 166           |  |
| Displacement   | I   | 12.8          | 12.8          | 12.8          | 12.8          |  |
|  |     |               |               |               |               |  |
| ISO fuel stop power <sup>1</sup>   | kW  | 451           | 507           | -             | -             |  |
| Torque   | Nm  | 2 871         | 2 690         | -             | -             |  |
| ISO standard rating <sup>2</sup>   | kW  | -             | -             | 355           | 405           |  |
| Torque   | Nm  | -             | -             | 2 260         | 2 146         |  |
| Genset rating net  | kVA | 510           | 560           | 400           | 450           |  |
| <sup>1</sup> Continuous power for limited period without overload capability. <sup>2</sup> Variable continuous power with 10% overload capability. |     |               |               |               |               |  |

#### **Definition of Application**

Engines for LTP (Limited Time Running Power) are designed for up to 300 annual operation hours at a load factor up to 100%. Normally the engines are used for emergency generating sets.

Engines for PRP (Prime Power) are designed for 4 000 annual operation hours at a load factor of 70%. These engines are used for peak-load operation.





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