

D2840



V10 diesel engine for power generation.

Engineering the Future – since 1758.
MAN Nutzfahrzeuge



What turns the night into day?

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. And turning the night into day.



Engine description D2840.

Characteristics

Cylinder and arrangement	10-cylinder V-design
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 D2840

A-Overall length with fan-cooled radiator	mm	2,125
B-Overall width with fan-cooled radiator	mm	1,600
C-Overall height with fan-cooled radiator	mm	1,826
D-Height from bottom of engine to crankshaft centre	mm	456
Weight (dry)	kg	1,480

Customer benefits

- High power ratings with environmentally-friendly operation
- Robust, compact design
- Fast response characteristic to load changes and safe handling of peak load
- Reliable operation and long lifetime
- High efficiency due to low fuel and lube oil consumption as well as low maintenance

Technical data D2840

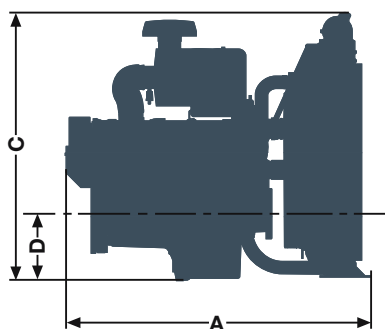
Operation		LTP				PRP			
		1,500 (50 Hz)		1,800 (60 Hz)		1,500 (50 Hz)		1,800 (60 Hz)	
Type of engine		LE 203	LE 213	LE 203	LE 213	LE 201	LE 211	LE 201	LE 211
at speed	rpm	1,500 (50 Hz)		1,800 (60 Hz)		1,500 (50 Hz)		1,800 (60 Hz)	
Bore	mm	128	128	128	128	128	128	128	128
Stroke	mm	142	142	142	142	142	142	142	142
Displacement	l	18.3	18.3	18.3	18.3	18.3	18.3	18.3	18.3
ISO fuel stop power IFN ¹	kW	545	610	585	660	-	-	-	-
Torque	Nm	3,470	3,820	3,140	3,480	-	-	-	-
ISO standard rating ICXN ²	kW	-	-	-	-	451	495	515	565
Torque	Nm	-	-	-	-	2,820	3,151	2,732	2,923
Genset rating net	kVA	620	700	660	750	510	550	570	620

¹ Continuous power for limited period without overload capability. ² 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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We reserve the right to make modifications in the course of technical progress.

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