Power

Industrial engines



D2862

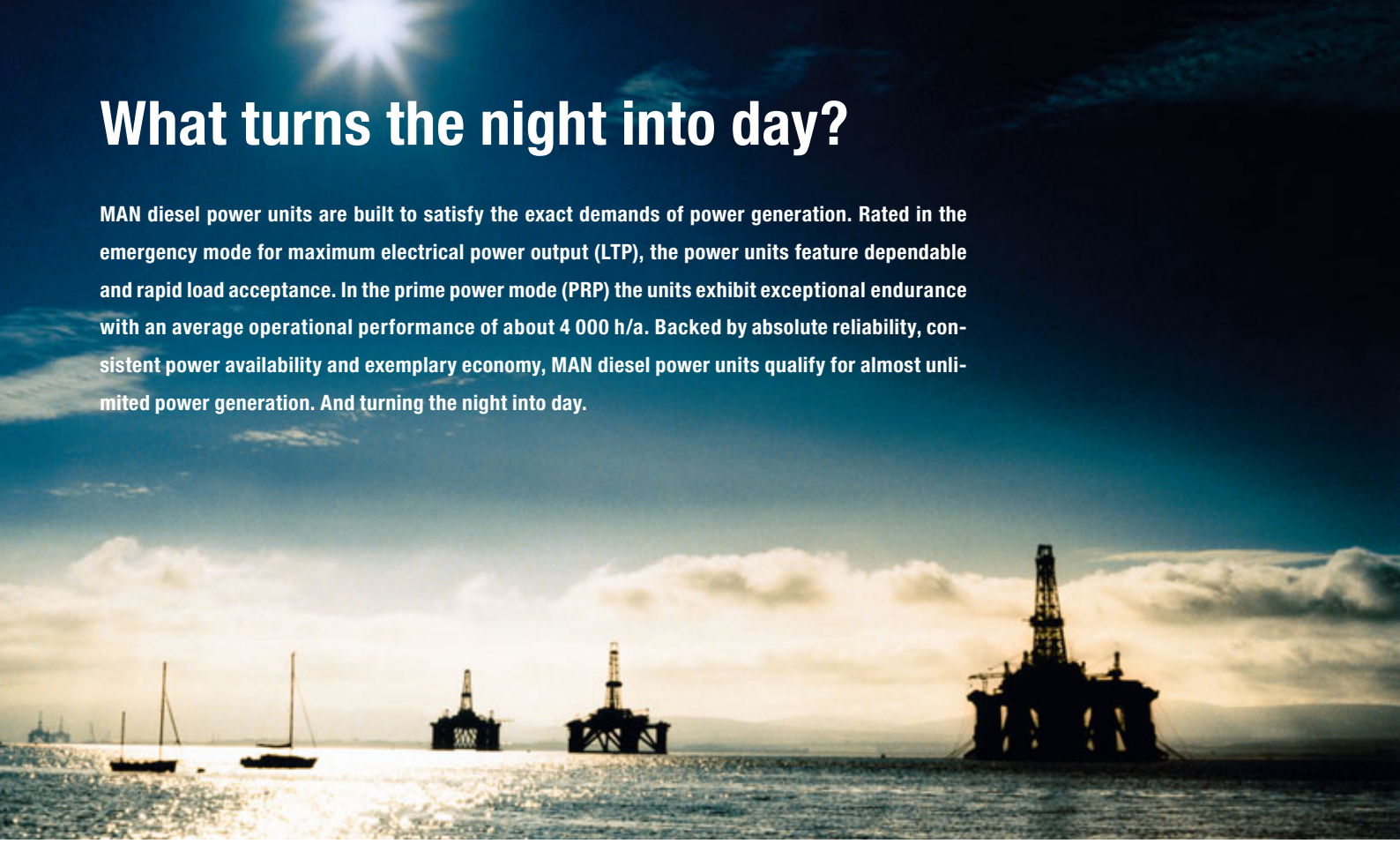
New V12 diesel engine for power generation.

Powered by MAN.

MAN Nutzfahrzeuge Group

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 D2862

Characteristics

Cylinder and arrangement	12 cylinder in V-configuration
Operation mode	4-stroke diesel engine with Common Rail
Charging	Exhaust turbocharger with intercooler
Type of cooling	Air-to-air intercooler
Injection	Common Rail with 1 600 bar injection pressure
Engine control	Electronic engine control unit EDC7 with optional MAN Monitoring and Diagnostic System (MMDS)

Dimensions D2862

A-Overall length with fan-cooled radiator	mm	2 419
B-Overall width with fan-cooled radiator	mm	1 540
C-Overall height with fan-cooled radiator	mm	1 782
D-Height from bottom of engine to crankshaft centre	mm	432
Weight (dry)	kg	1 950

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 D2862

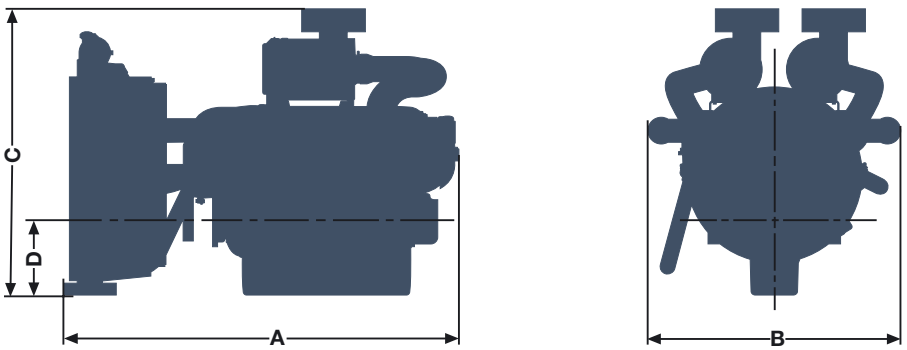
Operation		**LTP**		**PRP**	
at speed	**rpm**	**1 500 (50 Hz)**	**1 800 (60 Hz)**	**1 500 (50 Hz)**	**1 800 (60 Hz)**
Type of engine		LE 223	LE 223	LE 221	LE 221
Bore	mm	128	128	128	128
Stroke	mm	157	157	157	157
Displacement	l	24.2	24.2	24.2	24.2
ISO fuel stop power[1]	kW	880	1 117	-	-
Torque	Nm	5 603	5 926	-	-
ISO standard rating[2]	kW	-	-	700	800
Torque	Nm	-	-	4 457	4 244
Genset rating net	kVA	1 000	1 250	800	900

[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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