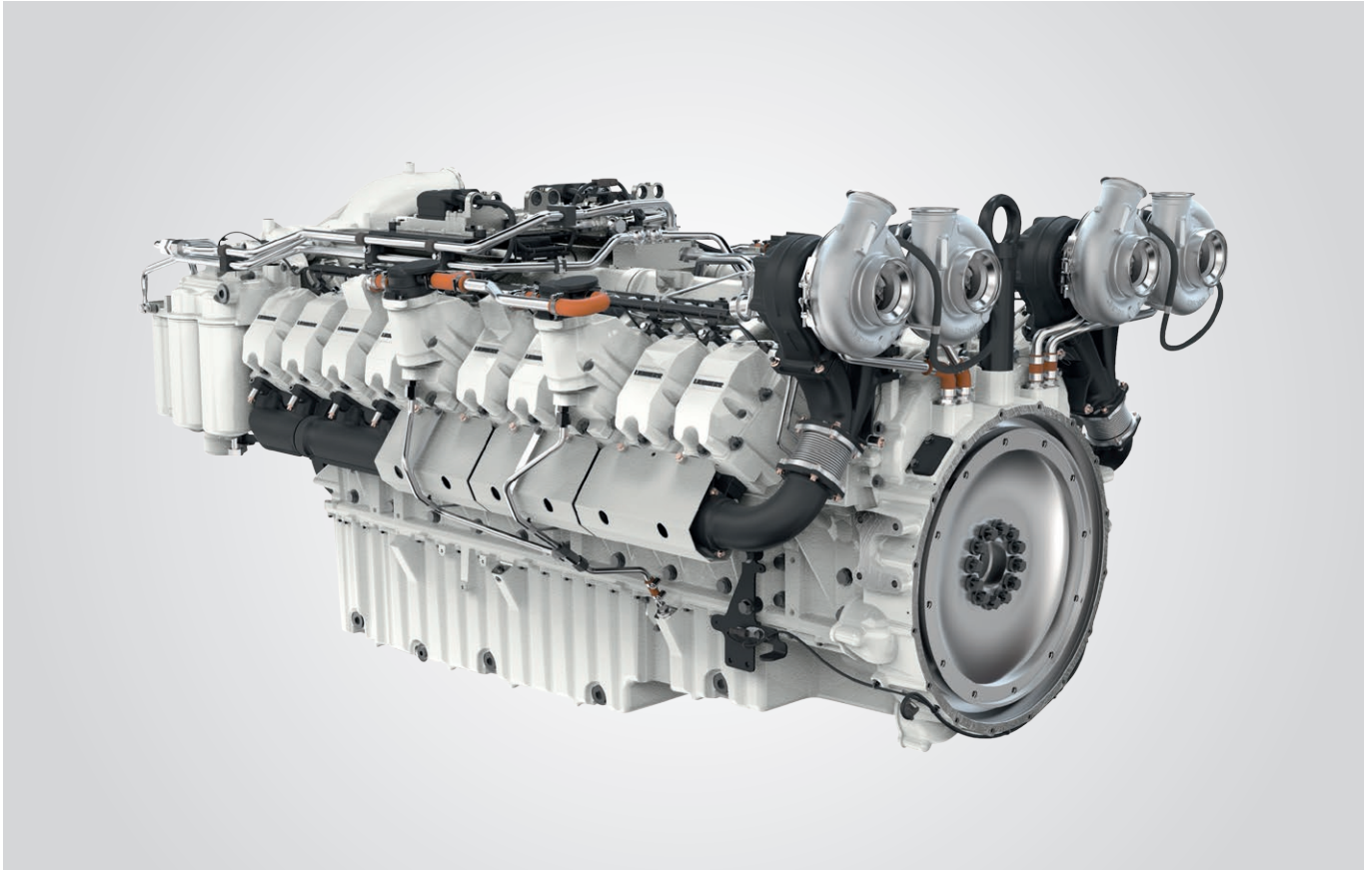


Short description

D9620 A7



The new D9620 is a V20 diesel engine rated at up to 1,700 kW at a speed of 1,800 rpm. It was developed especially for mobile applications such as mining equipment and railway. It can also power industrial applications like pump and drilling units. The cylinder banks are arranged in an angle of 108 degrees and the firing order was chosen to minimise the need for rotary vibration damping. These product features allow low-vibration motor function, which is a further advantage for customers. Equipped with the SCR

exhaust gas aftertreatment system, this new Liebherr engine complies with the EPA CARB Tier 4 final exhaust emission limits. As its fuel injection system, the new Common Rail 11.2 fuel injection system, which permits multiple fuel injection at a pressure of 2,200 bar, this engine represents the state of the art. Start of series production is planned for the end of 2016.

Date: 04.2016
Version: 0.1

Technical Data

D9620 A7

Engine D9620 A7

Configuration		V20
Displacement	dm ³	45
Bore	mm	135
Stroke	mm	157
Dry weight	kg	4,000
Dimensions (LxWxH)	mm	3,069 x 1,414 x 1,564
Max. power at 1,800 rpm	kW	1,300 - 1,700
Rated speed	rpm	1,500 - 1,900
Max. torque at 1,300 - 1,500 rpm	Nm	8,500 - 9,800

Options

Flywheel housing	SAE 00, other sizes upon request
Air compressor	on request
Air conditioning compressor	on request

Emission standards

Stage V*	SCR system, under development
EPA CARB Tier 4f	SCR system, under development
Tier 2	available
Fuel optimized (Tier 0)	available

* based on the published emission limits from October 2015

Applications

Mining, railway and industrial
