

INDUSTRIAL DIESEL ENGINE

Kubota Super Mini Series (3-Cylinder)

D902-E3B

EPA/CARB
TIER
4

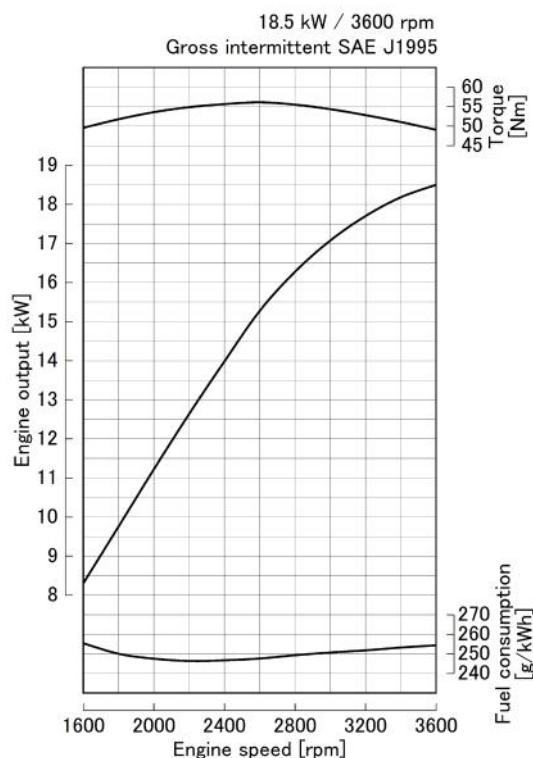
Rated Power

18.5 kW @ 3600 rpm



Photograph may show non-standard equipment.

Performance Curves



Features and Benefits

Emissions

The Kubota Super Mini Series features compact multi-cylinder liquid cooled industrial diesel engines which comply with EPA / CARB Tier 4 emissions level.

Durable Power

The D902 engine delivers the highest output among the Kubota Super Mini Series engines.

By expanding the bore and stroke, Kubota has increased engine displacement while maintaining its compact size. The use of an extended shallow oil pan keeps the engine height lower than that of the D722, providing a compact engine package.

The cooling water passages between the cylinder bores features Kubota's original casting technology as a countermeasure against the heat load caused by high power density, providing both superior endurance and reliable engine performance.

This engine offers a seamless transition from EPA Tier 2 to EPA Tier 4 by maintaining the same level of performance and physical characteristics.

Alternative fuel engines WG972-G (gasoline) and WG972-GL (dual fuel: gasoline / LPG) are available with the same footprint as the D902 engine.

Clean and Quiet Power

Kubota's original E-TVCS (Three Vortex Combustion System) has been improved. The piston recess has been optimized to achieve lower particulate matter (PM) levels at an extremely small size. The half-float valve cover and MoS2-coated pistons reduce noise levels and decrease vibrations transmitted from the valve area, providing enhanced noise reduction.

D902-E3B

Engine Specifications

Engine model		D902-E3B
Emission regulation		EPA/CARB Tier 4 level
Type		Vertical, water cooled 4-cycle diesel engine
Cylinders		3
Bore and stroke	mm (in)	72.0 x 73.6 (2.83 x 2.90)
Displacement	L (cu.in)	0.898 (54.80)
Aspiration		Naturally aspirated
Aftertreatment		-
Rated output / speed *1	kW (HP) / rpm	18.5 (24.8) / 3600
Maximum torque / speed *1	Nm (lb-ft) / rpm	56.1 (41.4) / 2600
Combustion system		Indirect injection
Fuel system		In-line pump
Length x Width x Height *2 (without aftertreatment unit)	mm (in)	434 x 401 x 544 (17.1 x 15.8 x 21.4)
Length x Width x Height *3 (with aftertreatment unit)	mm (in)	-
Dry weight *3	kg (lbs)	72 (159)

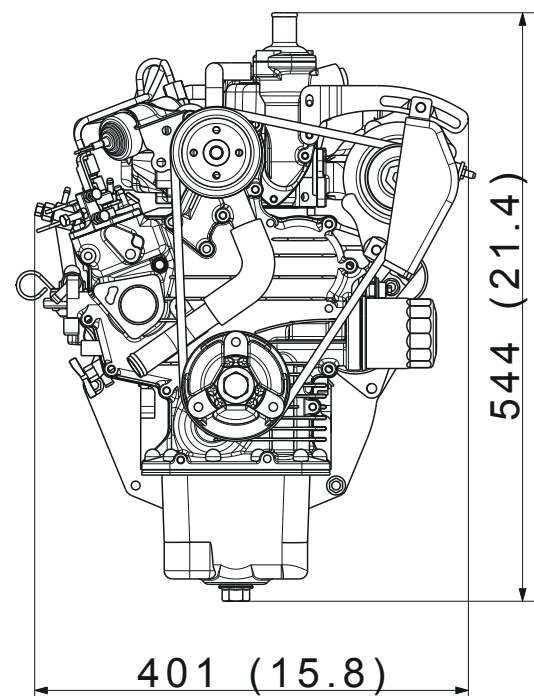
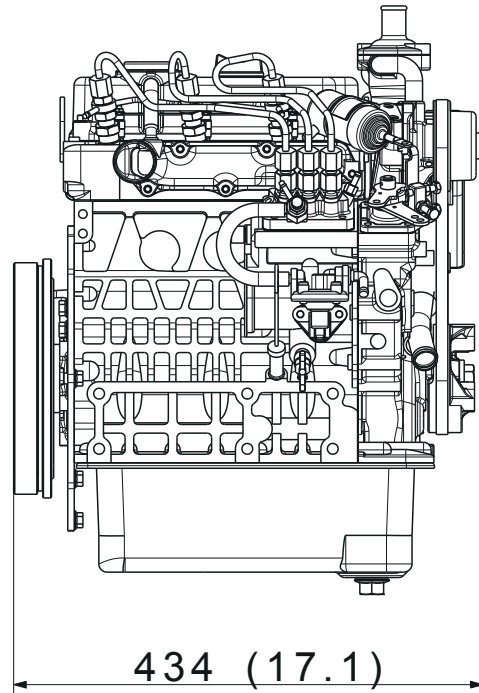
Specifications are subject to change without notice.
Dimensions and dry weight are according to Kubota's standard specification.
Dimensions and weight depend on completed specifications.

*1: SAE J1995 gross intermittent

*2: Exclude cooling fan and exclude aftertreatment unit

*3: Exclude cooling fan and include aftertreatment unit on engine

Dimensions



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<https://engine.kubota.com/en/>



ASP-D902-E3B1808-R1-I