

INDUSTRIAL DIESEL ENGINE

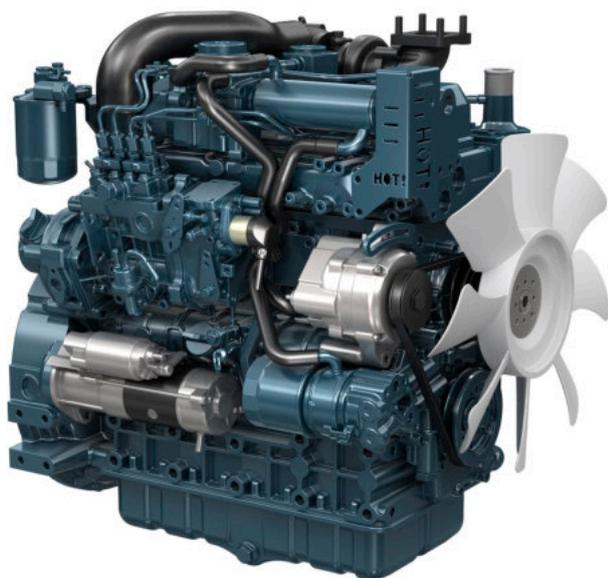
Kubota 07 Series (4-Cylinder)

V3307-DI-T-E3B



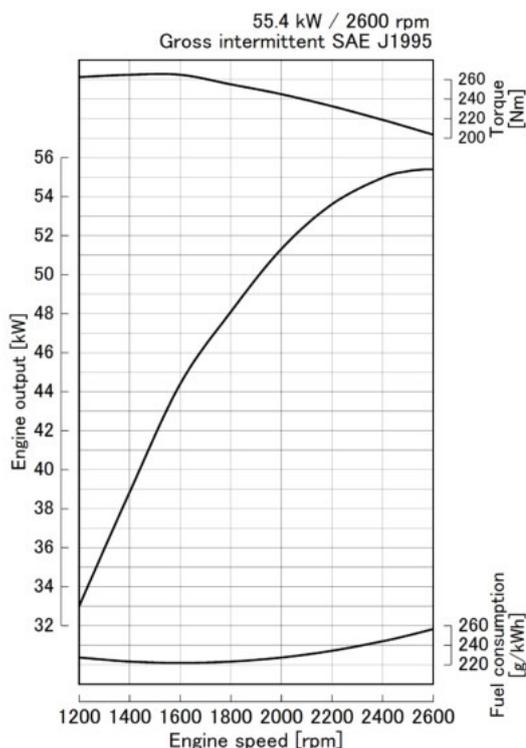
Rated Power

55.4 kW @ 2600 rpm



Photograph may show non-standard equipment.

Performance Curves



Features and Benefits

Proven Reliability and Technology

The Kubota 07 Series has been developed to meet the various requirements of a wide range of industrial applications.

Kubota's unique cylinder block design was developed using our original casting technology, enabling larger displacement within the current 2.4L compact engine package.

The improved cooling system, with a main water gallery and water passages between cylinder bores as a heat load countermeasure, provides high power density and superior endurance in the reliable Kubota 07 Series.

Emissions

Kubota 07 Series engines comply with EPA / CARB interim Tier 4 + EU Stage IIIA level emissions regulations.

These engines meet emissions regulations with minimal additional required devices. For example, NO_x is reduced by mechanical means alone, including the use of a compact cooled exhaust gas recirculation (EGR) system.

Clean and Quiet Power

Kubota's original E-CDIS (Center Direct Injection System) combustion system, renowned for the clean combustion it provides for the Kubota V3 (DI) Series, has been updated. The fuel injection pressure has been increased and the combustion chamber redesigned to achieve lower particulate matter (PM) levels, resulting in better conditions.

In addition, these engines have been designed to reduce transmitted vibrations and radiated sound, resulting in low noise levels.

Options

A side PTO option is available. Kubota 07 Series engines offer a power take-off (PTO) located at the gear train on the flywheel side that is designed to enable compact positioning of PTO hydraulic devices. In response to the trend of the use of hydraulic control devices in industrial machines, we have made it possible to install up to three hydraulic pumps with different capacities.

Fan positions are available at two heights to enable two types of equipment configurations.

V3307-DI-T-E3B

Engine Specifications

Engine model		V3307-DI-T-E3B
Emission regulation		EPA/CARB interim Tier 4 level + EU Stage IIIA level
Type		Vertical, water cooled 4-cycle diesel engine
Cylinders		4
Bore and stroke	mm (in)	94.0 x 120.0 (3.70 x 4.724)
Displacement	L (cu.in)	3.331 (203.3)
Aspiration		Turbocharged
Aftertreatment		-
Rated output / speed *1	kW (HP) / rpm	55.4 (74.3) / 2600
Maximum torque / speed *1	Nm (lb-ft) / rpm	265.0 (195.0) / 1600
Combustion system		Direct injection
Fuel system		In-line pump
Length x Width x Height *2 (without aftertreatment unit)	mm (in)	655 x 500 x 739 (25.8 x 19.7 x 29.1)
Length x Width x Height *3 (with aftertreatment unit)	mm (in)	-
Dry weight *3	kg (lbs)	268 (591)

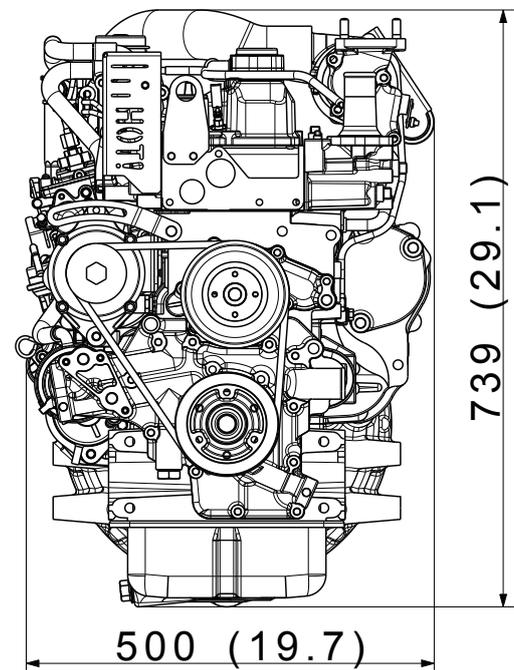
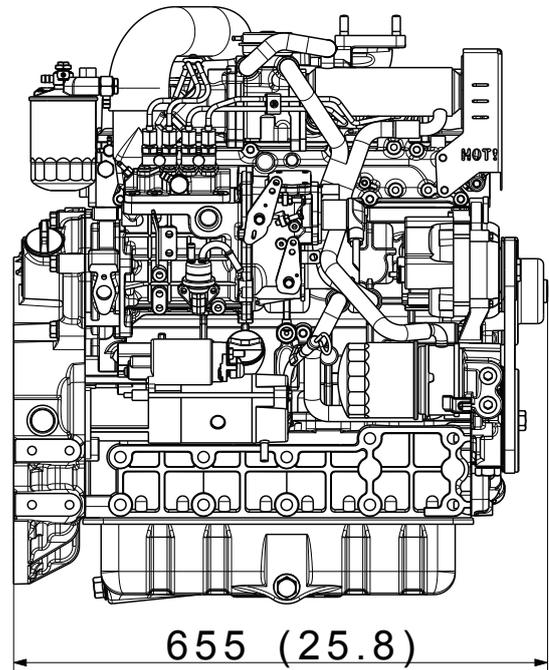
Specifications are subject to change without notice.
Dimensions and dry weight are according to Kubota's standard specification.
Dimensions and weight depend on completed specifications.

*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/>

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