INDUSTRIAL DIESEL ENGINE

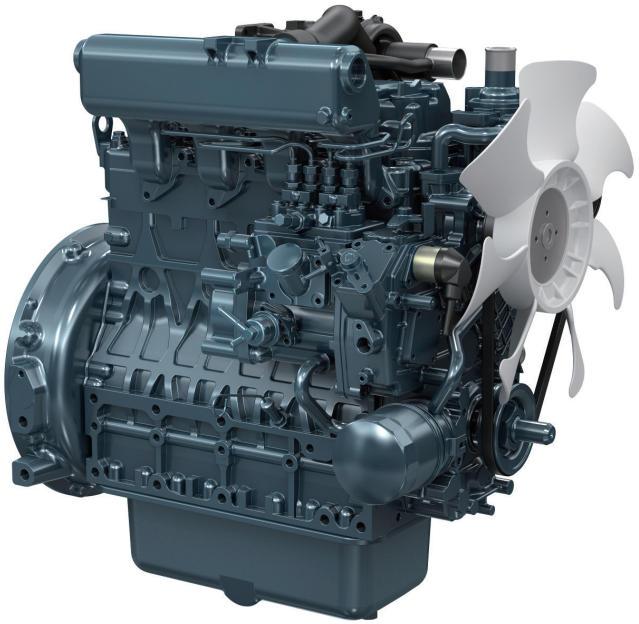
Kubota 03 Series (4-Cylinder)

V2403-M-DI-T-E3B

EPA/CARB 4 TIER Int. | EU STAGE IIIA

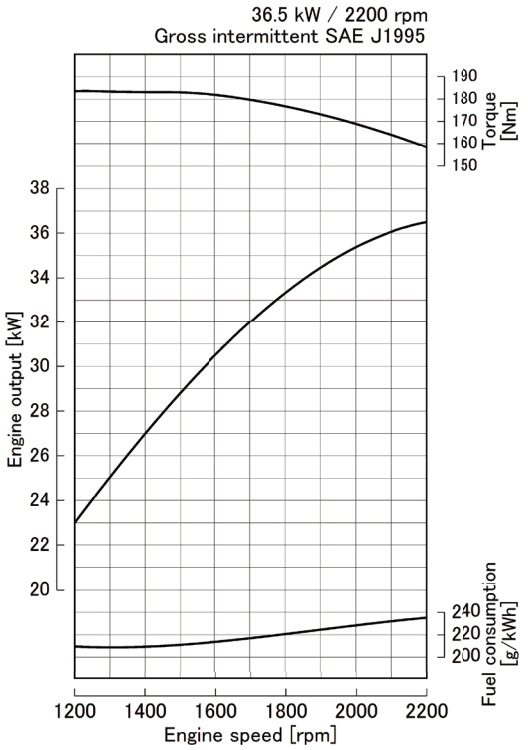
Rated Power

36.5 kW @ 2200 rpm



Photograph may show non-standard equipment.

Performance Curves



Features and Benefits

Emissions

The V2403-M turbocharged engine complies with the EPA/CARB interim Tier 4 + EU Stage IIIA emissions regulations.

Durable Power

The Kubota 03-M Series is well known for its industrial applications. With numerous features such as a built-in solenoid, low fan position, and single-side serviceability, this engine provides excellent performance and flexibility.

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.

The V2403-M-DI turbocharged engine offers a seamless transition from EPA Tier 2 to EPA interim Tier 4 by maintaining the same footprint and hardware mounting points with minimal performance changes from EPA Tier 2 engines.

Clean and Quiet Power

Kubota has increased the fuel injection pressure to achieve more complete combustion to reduce particulate matter (PM) levels. The half-float valve cover and MoS2-coated pistons reduce noise levels by 1.0-2.0 dBA compared to conventional diesel engines and decrease vibrations transmitted from the valve area.

Options

Kubota 03-M Series engines offer side power take-off (PTO) in response to the trend of the use of hydraulic control devices in industrial machines. A hydraulic pump can be installed at the two side PTO locations.

Indirect-Injection engines are also available.

For Earth, For Life

Kubota

V2403-M-DI-T-E3B

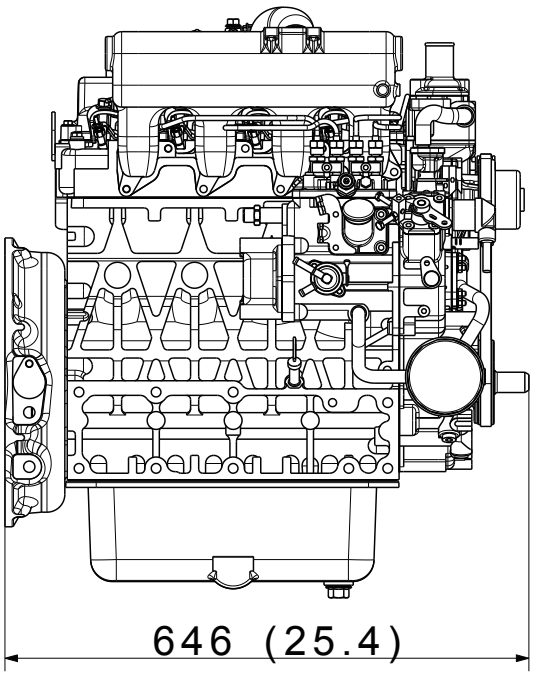
Engine Specifications

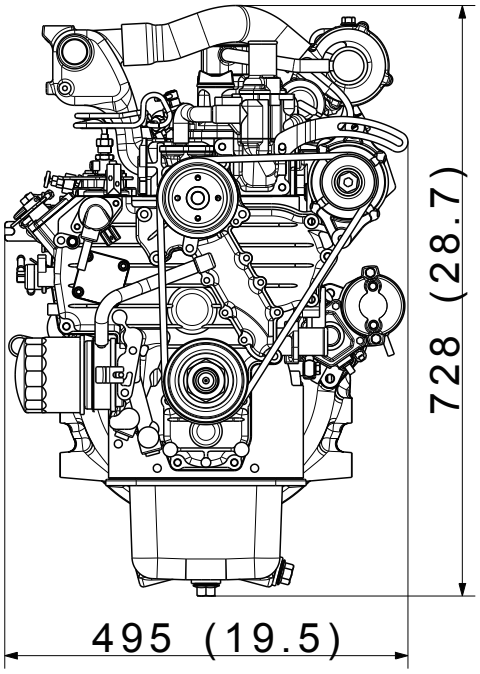
Engine model		V2403-M-DI-T-E3B
Emission regulation		EPA/CARB interim Tier 4 level + EU Stage IIIA
Type		Vertical, water cooled 4-cycle diesel engine
Cylinders		4
Bore and stroke	mm (in)	87.0 x 102.4 (3.43 x 4.031)
Displacement	L (cu.in)	2.434 (148.5)
Aspiration		Turbocharged
Aftertreatment		-
Rated output / speed *1	kW (HP) / rpm	36.5 (48.9) / 2200
Maximum torque / speed *1	Nm (lb-ft) / rpm	183.0 (135.0) / 1200
Combustion system		Direct injection
Fuel system		In-line pump
Length x Width x Height *2 **(without aftertreatment unit)**	mm (in)	646 x 495 x 728 (25.4 x 19.5 x 28.7)
Length x Width x Height *3 **(with aftertreatment unit)**	mm (in)	-
Dry weight *3	kg (lbs)	201 (443)

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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