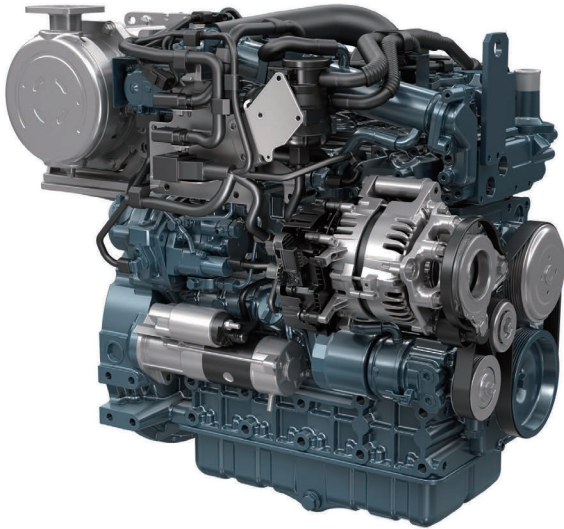


V3307 Micro Hybrid (P0 Hybrid)

Rated Power (Engine)

55.4 kW @ 2600 rpm



Photograph may show non-standard equipment.

Features and Benefits

Minimal Development Work

The Kubota Micro Hybrid (P0) Engine has a simple design with three main components: a DC converter, a lithium-ion battery, and a motor generator attached to the existing engine model. In addition, it is around the same size as common rail engines, keeping it easy to install. Customers do not need to change the design of their products, and Kubota offers a package of the required peripheral components.

High Torque, High Response

The motor's quick response and high torque boosts work efficiency. At low speeds, the motor provides up to 70 N-m of torque assistance. For example, if the motor is installed on a V3307-CR-TI engine, the maximum torque will be 400 N-m or greater.

Lower Running Costs

By choosing the Kubota micro hybrid engine, it will fit compactly in the mounting space because there is no aftertreatment device SCR required for diesel engines with output of 56 kW or more. Eliminating the need for SCR saves maintenance work and eliminates the running cost of DEF. In addition, the motor-assist function can also be expected to help reduce fuel consumption.

CONTACT US

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Engine Specifications

Engine	Engine model		V3307-CR-T
	Emission regulation		EPA/CARB Tier4 + EU Stage V
	Type		Vertical, water cooled 4-cycle diesel engine
	Cylinders		4
	Bore and Stroke	mm (in)	94 × 120 (3.70 × 4.72)
	Displacement	L (cu.in)	3.331 (203.27)
	Aspiration		Turbocharged
	Aftertreatment		Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF)
	Rated output / speed *1	kW (HP) / rpm	55.4 (74.3) / 2600
	Maximum torque / speed *1	Nm (lb-ft) / rpm	265 (195.5)
	Combustion system		Direct Injection
Fuel system		Common rail system	
Motor Generator	Type		AC synchronous motor
	Rated output	kW	10
	Length × Width × Height *2 (without aftertreatment unit)	mm (in)	900 × 592 × 753 (35.4 × 23.3 × 29.6)
	Dry weight *2	kg (lb)	330 (727.5)

Battery Specifications for Motor Generator

	Type		Lithium Ion
	Voltage	V	48

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

*1: Gross intermittent SAE J1995
*2: Exclude cooling fan