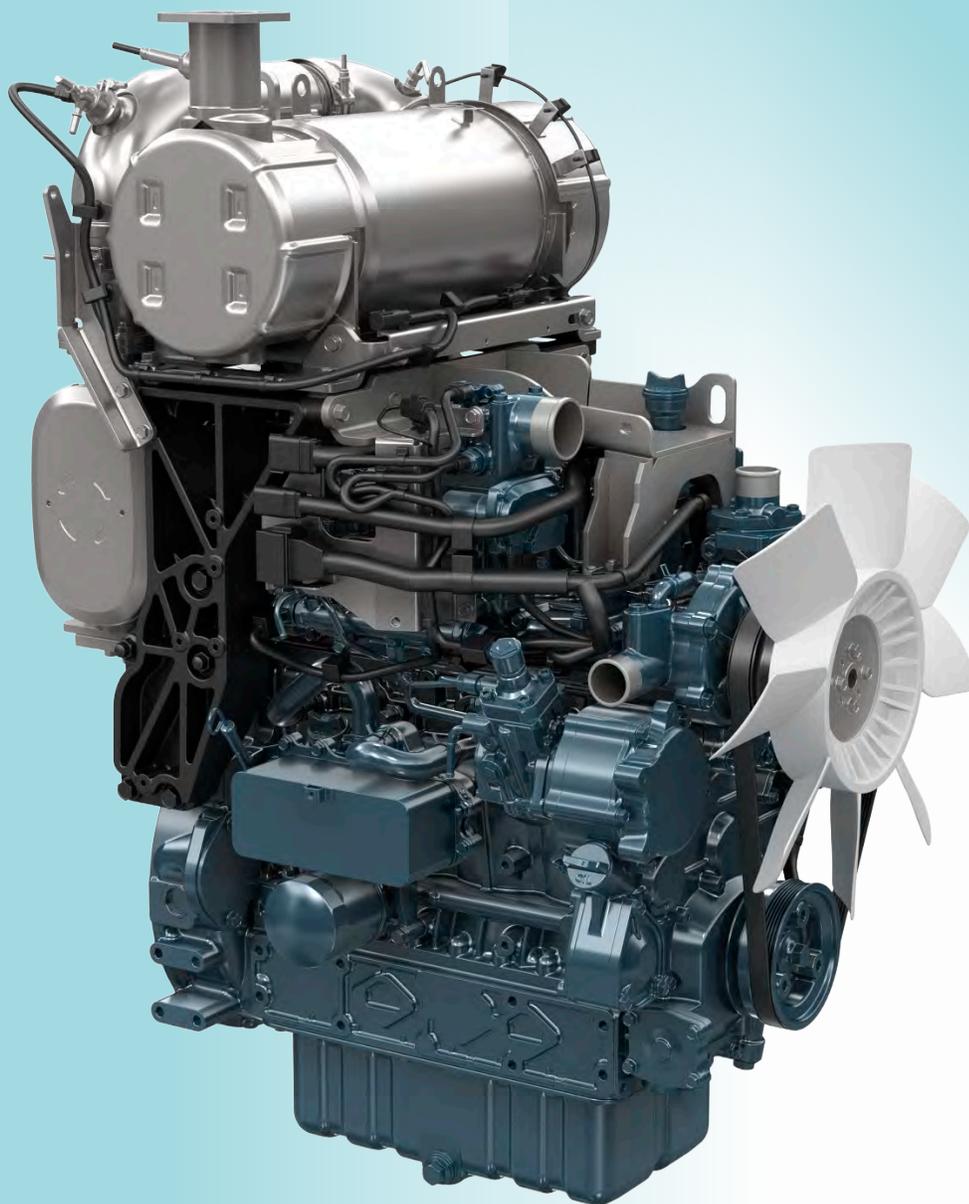


V3800-TIE5HB-KEA-1

KUBOTA V3 SERIES
STANDARD ENGINES

Kubota Diesel Engines



Kubota

V3800-TIE5HB-KEA-1

Everything you demand from a Kubota engine. Power your machine with Kubota's powerful, reliable and durable V3 Series engine.

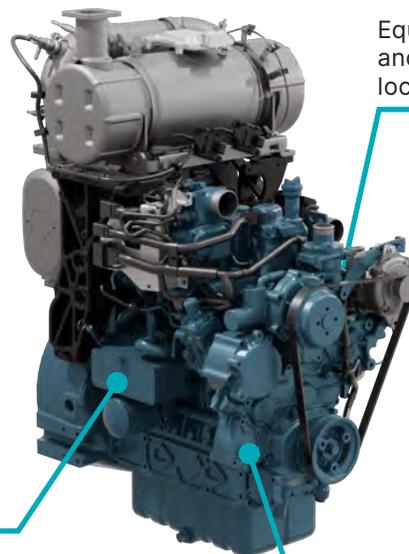
Reduce emissions. Keep the performance.

The V3800-TIE5HB-KEA-1 is the highest power engine in the V3 Series. It is EPA Tier 4 and EU Stage V certified to meet challenging emission regulations with robust performance and efficiency. This compact and versatile 4-cylinder engine can be easily integrated into a wide range of applications. The V3800-TIE5HB-KEA-1 is well-suited for construction and industrial markets, including open and closed power units, horizontal drills, forestry and agricultural equipment, hydraulic excavators, air compressors, and many more.



Versatile, pre-installed.

The V3800-TIE5HB-KEA-1 comes ready to add the available A-Pad adapter to drive your pump or other devices. An engine mounted aftertreatment unit streamlines drop-in packaging across a wide range of applications, shortening development and installation time. For demanding duty cycles, a high-capacity oil cooler keeps temperatures in check, delivering reliable performance under High load periods and harsh conditions.



Oil cooler

Equipped with CCV breather and factory-installed heaters, located on exhaust side

SAE A Pad Adapter Compatible
(adapter/pump not in standard by default)

Flexibility to meet your needs

Kubota's V3800 engine is engineered to adapt. Whether your equipment demands compact packaging, custom configurations or rugged performance in extreme conditions, this engine delivers the modular options and mounting flexibility to meet the challenge – without compromising on power or reliability. The intake system offers flexible positioning options that make this suitable for a wide range of applications. Remote aftertreatment configurations are available. Contact your Kubota application engineer to explore the right setup for your equipment.



**Remote Mount Aftertreatment
(DOC + DPF + SCR)**



Intake Flexibility Options

Engine Specifications		
Engine model		V3800-TIE5HB-KEA-1
Emission regulation		EPA/CARB Tier 4 +EU Stage V
Type		Vertical, water cooled 4-cycle DI diesel engine
Cylinders		4
Bore and stroke	mm (in)	100.0 × 120.0 (3.937 × 4.724)
Displacement	L (cu. in)	3.769 (230.0)
Aspiration		Turbocharged + Turbo After Cooler
Aftertreatment		Diesel Oxidation Catalyst (DOC) + Diesel Particulate Filter (DPF) + Selective Catalytic Reduction (SCR)
Rated output / speed *1	kW (HP) / rpm	96.4 (129.3) / 2400
Maximum torque / speed *1	Nm (lb-ft) / rpm	446.6 (329.4) / 1800
Combustion system		Direct Injection
Fuel system		Common Rail System
EGR		External Cooled EGR
Length x Width x Height *2 (without aftertreatment unit)	mm (in)	720 × 617 × 872 (28.3 × 24.3 × 34.3)
Length x Width x Height *3 (with aftertreatment unit)	mm (in)	864 × 638 × 1226 (34.0 × 25.1 × 48.26)
Dry weight *2	kg (lb)	423 (933)

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: SAE J1995 gross intermittent
*2: Exclude cooling fan and exclude aftertreatment unit
*3: Exclude cooling fan and include aftertreatment unit on engine

Get the most out of your engine

Kubota strives to meet your needs with unrivaled experience and expertise in industrial engines. With a long engine life, Kubota's V3800-TIE5HB-KEA-1 Series keeps your efficiency high and costs low. Ease your engine installation process and speed to market by utilizing Kubota's factory-approved kits. With Kubota's wire harness kit and 20L DEF tank mounting kit, you can mount engine ECU, aftertreatment DOC + DPF + SCR, DEF tank and pump systems with flexibility for various configurations. Consult your Kubota application engineer for additional information.



20L DEF Tank Kit
(12V and 24V Kit)

Global emission compliance

The optimized fuel system of the V3800-TIE5HB-KEA-1 brings enhanced cylinder pressures and low emissions for the highest engine performance. This design complements the low engine load and low coolant temperature diesel oxidation catalyst (DOC) and diesel particulate filter (DPF) regeneration strategy to operate its super clean running aftertreatment system. The long maintenance DPF with 6,000-hour ash cleaning is a clear winner for cost of ownership. With its seamless regeneration, your customer will not even know it's there.

The selective catalytic reduction system knocks out NO^x (nitrogen oxides) to meet emission regulations for any highly regulated market. V3800-TIE5HB-KEA-1 delivers the emission compliance and engine performance you demand from Kubota.



Wire Harness Kit