

KUBOTA Diesel Engine

RT PLUS⁺



Kubota

Powerfully Responsive, Durable, Tough, Fuel Saving

RT Di PLUS⁺

Direct Injection



3 Year
Warranty
Cylinder Head

(Super Valve only)

Special

Combustion system Direct Injection, Valve seat are **3-times** more durable

KUBOTA Diesel Engine

From our future innovative inspiration, we combine novel advance in production technology together with art and science in designing extremely responsive product. In consequence, it leads to the emergence of Kubota Diesel Engine RT Plus, with stylish and modernized design, together with the combination of excellent engine capability.

Full Capability with



Direct Injection System

With direct injection system, the fuel is injected into the combustion chamber directly at the piston head. This increases horse power and reduces engine temperatures and in turn improves engine endurance for long working hours and also diminishes engine erosion. Consequently, it can save the fuel consumption up to 37% when comparing to a power tiller driven by other brands of diesel engine.



Piston

New piston with Deep Troidal Bowl Type is designed to let the intake air swirl in the bowl faster and smoother. It causes fuel and intake air mixed in proper ratio. The complete combustion enhances more torque when operation at low RMP by 3-5%.



More Durability

Stainless valve enhances the strength and heat tolerance, causing cylinder head to be 3 time more durable. The valve is replaceable without changing the whole cylinder head (available only in Super Valve Model)



Fuel Saving

New Multi-injection Port augments more nozzle sprayer from 4 to be 5 sprayers, as well as downsizes injector puncture to cooperate with high efficient injection pump. Therefore, it can attain pressure up to 220 kg/cm². Fuel then better splits into small particle and widespread to cover every combustion spot. It leads to complete combustion and reduces air pollution. Besides, Build-in Edge Filter inside nozzle can prevent dirtiness clogging up at injector (available only in RT100DI and RT110DI).

Specifications

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Direct Injection Combustion System



Model	RT100DI	RT100DI-ES	RT110DI-H	RT110DI	RT110DI-ES	RT125DI	RT125DI-ES	RT140DI-H	RT140DI	RT140DI-ES
Type	Water-cooled 4-stroke horizontal diesel engine									
Number of Cylinder	1									
Bore x Stroke	mm. 88x90		92x90		94x96		97x96			
Displacement	cc. 547		598		666		709			
Max Output	ps(kW)/rpm 10/2,400 (7.4kW/2,400)		11/2,400 (8.1kW/2,400)		12.5/2,400 (9.2kW/2,400)		14/2,400 (10.3kW/2,400)			
Continuous Rated Output	ps(kW)/rpm 9/2,400 (6.6kW/2,400)		10/2,400 (7.4kW/2,400)		11/2,400 (8.1kW/2,400)		12.5/2,400 (9.2kW/2,400)			
Specific Fuel Consumption (at continuous rated output) g/ps-hr	170 (231 g/ps-hr)									
Compression Ratio	18:1									
Valve Clearance	mm. 0.195 - 0.235									
Max. Torque	kg-m/rpm 3.4/1,600		3.8/1,600		4.7/1,600		5.0/1,600			
Cooling Water Capacity	l. 2.1				12		10		2.1	
Fuel Tank Capacity	l. 11				10		11			
Crankcase Oil Capacity	l. 2.8									
Fuel	Light Diesel Oil (SAE No. 2-D)									
Lubrication Oil	SAE 40 API CF									
Combustion System	Direct Injection									
Cooling System	Radiator		Hopper		Radiator		Hopper		Radiator	
Lubricating System	Forced Lubrication with Trochoid Pump									
Air Cleaner Type	Wet Type									
Starting System	Double speed hand starting / The ES models feature an electric starter									
Battery (ES Model)	12 V., 30 Amp									
Direction of Revolution	Clockwise as viewed from the starting handle (right hand rotation)									
Dry Weight	Kg. 107	114	112	114	116	114	116	114	116	



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