

# KUBOTA DIESEL ENGINE RT SERIES

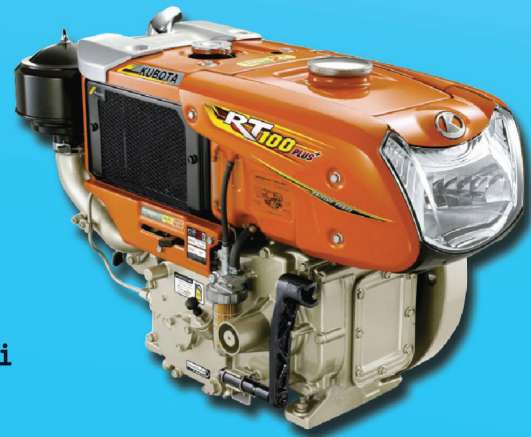


**RT plus THUNDER**

Responsiveness increased by 16% with KGS-i

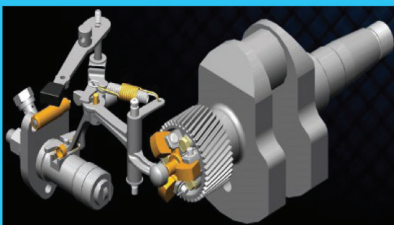


Unleashing maximum power and high responsiveness with KGS-i



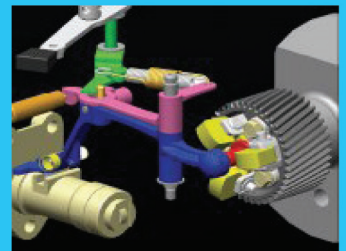
## KUBOTA Governor System Intelligence (KGS-i)

Developed and designed by KUBOTA, delivers fuel efficiency, making sure that none usable energy gets wasted. With a complete combustion, responsiveness to acceleration is increase by 16%.



## Control Arm

It was manufactured from ductile cast iron for strength and durability, working with stainless valve seats, it is designed for optimal fuel distribution and 11% in fuel economy.



## Multi-reflector Headlight

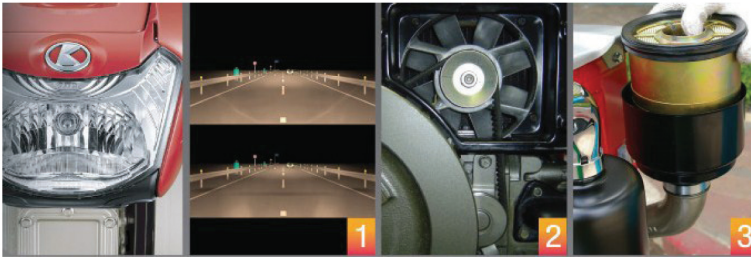
The brighter and stylish multi reflector headlights are designed for better visibility.



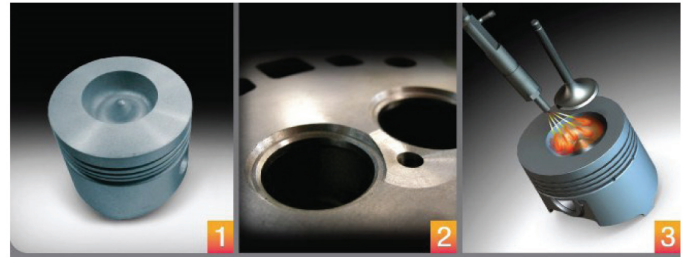
# SPECIFICATIONS

MODEL	RT 100		RT 125		RT140	
Type	Water-Cooled, Four Stroke, Horizontal Diesel Engine					
Number of Cylinder	1					
Bore x Stroke	mm	88x90	94x96		97x96	
Displacement	cc	547	666		709	
Maximum Output	hp/rpm	10 (7.4/2,400)	12.5 (9.2/2,400)		14 (10.3/2,400)	
Continuous Rated Output	hp/rpm	9 (6.6/2,400)	11 (8.1/2,400)		12.5 (9.2/2,400)	
Specific Fuel Consumption (at Continuous Rated Output)	g/ps-hr	170 (231)				
Compression Ratio	18:01					
Valve Clearance	mm	0.195 - 0.235				
Maximum Torque	kg-m/rpm	3.4/1,600	4.7 /1,600		5.0/1,600	
Cooling Water Capacity	L	2.1				
Fuel Tank Capacity	L	11				
Crankcase Oil Capacity	L	2.8				
Fuel Type	Diesel Fuel (SAE No. 2-D)					
Lubricating Oil	SAE 40 API CF					
Combustion System	Direct Injection					
Cooling System	Radiator					
Lubricating System	Forced lubrication with Trochoid Pump					
Air Cleaner Type	Wet type					
Starting System	Double Speed Hand Starting					
Direction of Revolution	Clockwise when viewing from the starting handle (right rotation)					
Engine Weight	kg	107	114		116	

Specifications and design are subject to change without notice.



1. **Headlight** delivers better visibility and it is easy to change the light bulb.
2. **Notched fan belt (RPF type)** The raw edge power flex (RPF) reduces friction in the rubber sheet as a result of the belt flex when operating on an engine pulley. The belt is designed to avail notch and raw edges which enhance an ability to cling engine pulley. It is better than an ordinary belt since their edges are made of canvass wrapped with a rubber sheet. Moreover, it also lessens friction between a belt and an engine pulley, tripling a useful life of the belt.
3. **Stainless filter** Made of stainless material, it is rustles and not corrosive



1. **Deep Troidal Bowl Type Piston** The design is to maximize air flow and deliver an efficient mixture of air and fuel for a complete combustion. A low-speed torque is increased by 3-5%, making it perfect for heavy-duty performance and rugged terrain.
2. **Durable Valve seats** Stainless valve seats are manufactured for compressive strength and heat resistance. Its robustness provides three times more durability to a cylinder head. Valve seats can be replaced without a need to change the cylinder head.
3. **Fuel Economy optimized by Multi-injection nozzle** With a five-hole nozzle and a high-performance fuel pump that creates pressure of 200 kg/cm<sup>2</sup>, the injection delivers the pressurized fuel spray evenly in the combustion chamber for a complete combustion—a process that reduces pollution. A built-in edge filter prevents waste that decreases performance of the injector

For more information, please contact:

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