

KUBOTA HORIZONTAL WATER-COOLED DIESEL ENGINES



RT100DI / RT125DI / RT125DI-ES / RT140 DI-ES

Displacement: 547cc / 666cc / 709cc

Maximum Output: 10HP / 12.5HP / 14HP

KUBOTA HORIZONTAL WATER COOLED

Kubota Stationary Engines are used throughout Australia in the harshest conditions and are reknowned for their reliability



New design piston delivering a better fuel and air mix ratio.



Stainless steel valves increase cylinder head durability.



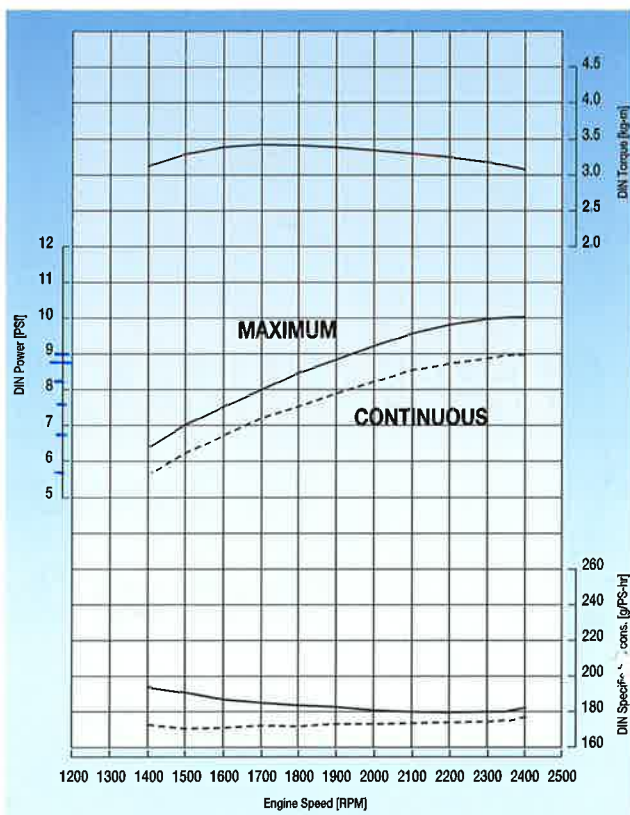
High efficiency injection pump and more nozzle sprayers combine to increase fuel efficiency.

NEW PISTON DESIGN

The new piston design with deep trochoidal bowls, allows the air to swirl into the bowl faster and smoother, ensuring the fuel and air are mixed in the correct ratio. The complete combustion delivers 3-5% more torque when operating at low revs.

DIRECT INJECTION (DI) COMBUSTION SYSTEM

Fuel is injected directly into the combustion chamber. The resulting heat and pressure is transformed to force, directly driving the piston head providing enhanced horsepower, decreased fuel consumption and an engine that is capable of continuous operation even under heavy work loads.



RT100DI

DIESEL ENGINES

*in some of the
and durability.*



INCREASED DURABILITY

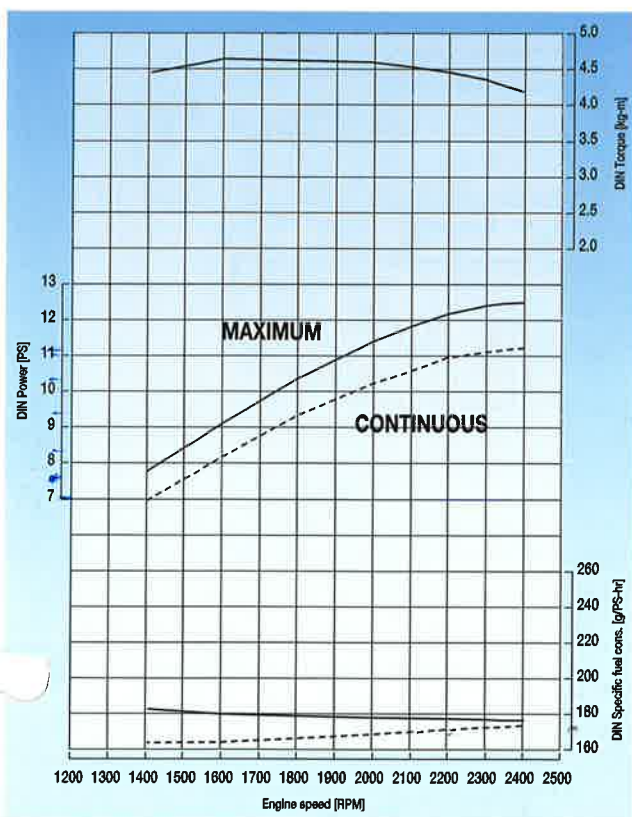
Stainless steel valves are stronger and more heat tolerant, resulting in longer lasting cylinder head, saving rebuild costs.

INCREASED FUEL EFFICIENCY

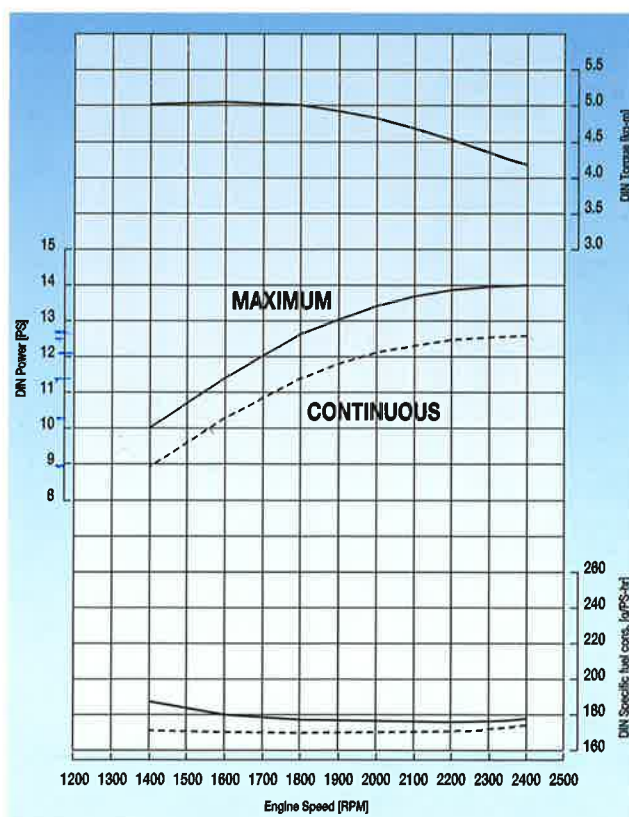
The new multi injection port increases the number of nozzle sprayers from 4 to 5. The high efficiency injection pump delivers pressure up to 220 kg/cm.

Fuel is split into smaller particles and widespread to increase combustion, resulting in complete combustion and reduced air pollution.

The edge filter inside the nozzle can prevent clogging within the nozzle sprayer, resulting in a cleaner engine.



RT125DI

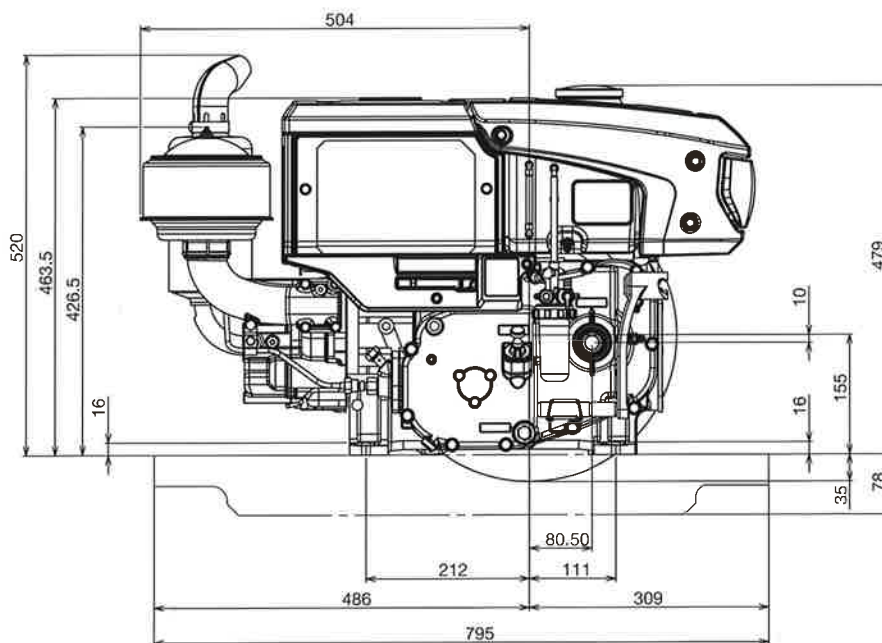
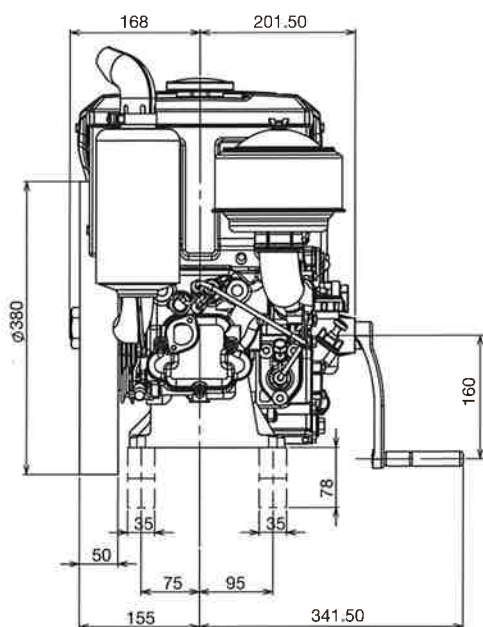


RT140DI

KUBOTA HORIZONTAL WATER COOLED DIESEL ENGINES

SPECIFICATIONS

MODEL		RT100 DI	RT125 DI / RT125 DI-ES	RT140 DI-ES
Number of Cylinders		1	1	1
Bore x Stroke	mm	88x90	94x96	97x96
Displacement	cc	547	666	709
Max Output	HP (Kw) / rpm	10/2,400 (7.4kW/2,400)	12.5/2,400 (9.2kW/2,400)	14/2,400 (10.3kW/2,400)
Continuous Rated Output	HP (Kw) / rpm	9/2,400 (6.6kW/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 / HP-hr	170 (231 g/HP-hr)		
Compression Ratio		18.1		
Valve Clearance	mm	0.195 - 0.235		
Max. 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		Light Diesel Oil (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	Wet/Dry Type	
Starting System		Manual	Manual / Electric	Electric
Battery (ES Model)		12 V. 30 Amp up		
Direction of Revolution		Counter-clockwise Facing Fly Wheel		
Dry Weight	Kg	107	114	116



Kubota

KUBOTA TRACTOR AUSTRALIA PTY LTD 25-29 Permas Way, Truganina Vic 3029 ABN 72 005 300 621
Tel (03) 9394 4400 Fax (03) 9394 4430 FREECALL 1800 334 653 Email: sales@kubota.com.au www.kubota.com.au

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