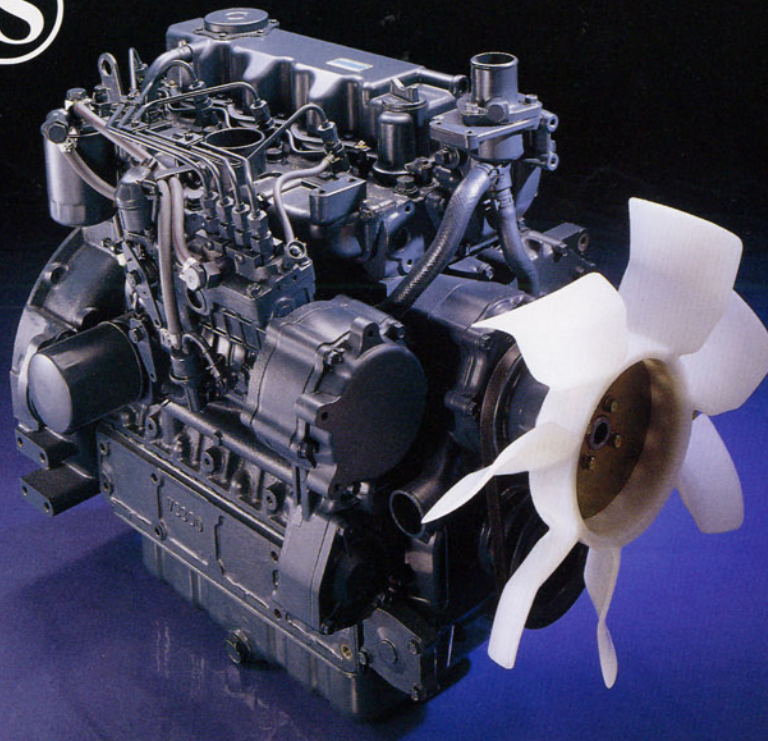


Kubota

KUBOTA DIESEL ENGINE V3300/V3300-T (Turbo)

E-TVCS



EPA Tier I Certified

Liquid-Cooled Diesel Engine featuring Multi-Valve E-TVCS

Displacement: 3,318 cc

Maximum Output : 50.7/ 61.9 (Turbo) kW



ISO 9002 Certified KUBOTA ENGINE PLANTS – SAKAI/TSUKUBA/SAKAI-RINKAI-

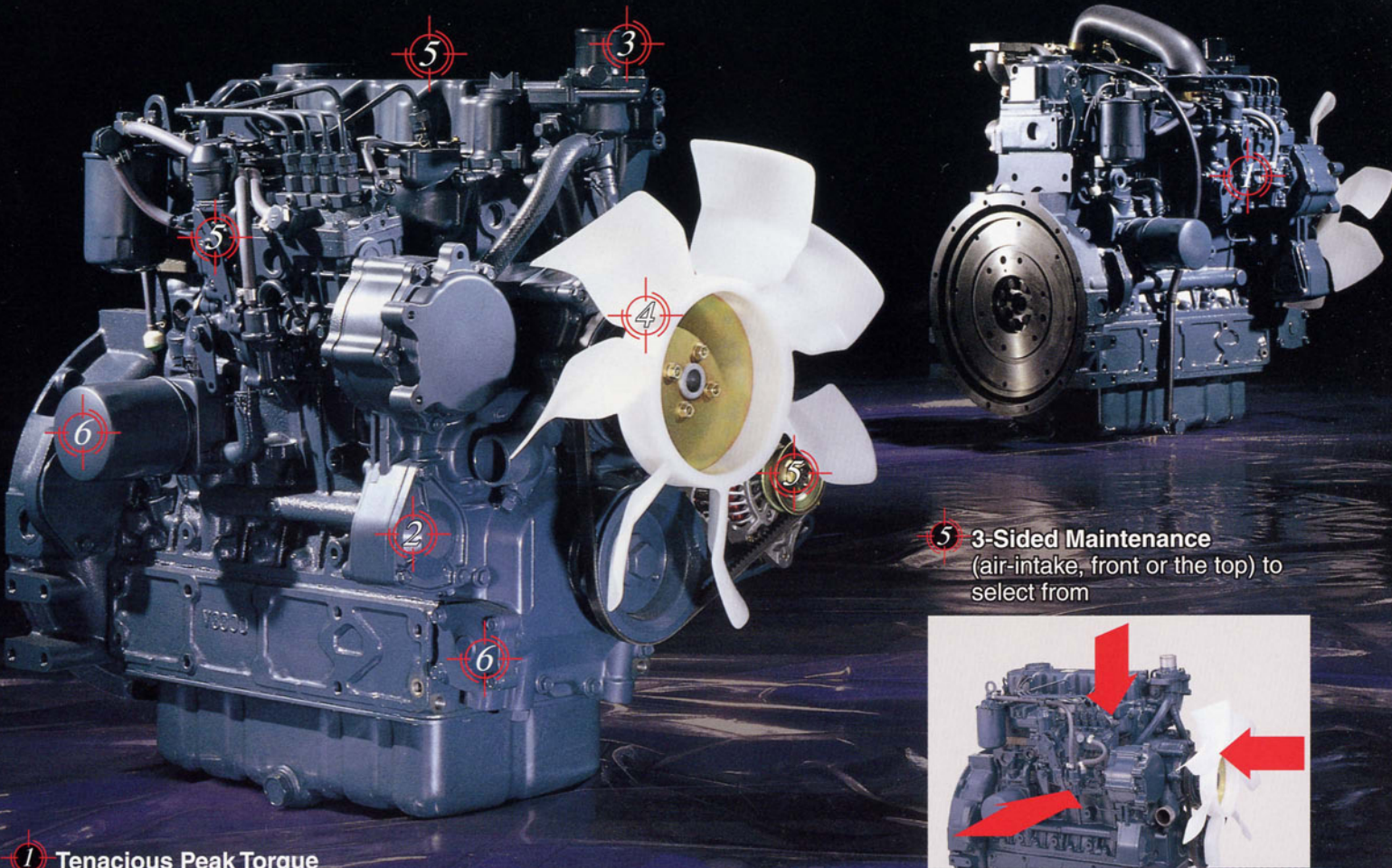
An Ideal Match between Cleaner Exhaust and High Power

The Essence of Engine Performance, New Multi-Valve E-TVCS V3300/V3300-T Engines

People and environment friendly.

Kubota's E-TVCS engine was the first in the world to pass the CARB (California Air Resource Board) ULGE (Utility, Lawn and Garden Equipment) regulations for diesel engines under 25 HP in April, 1993. V3300/V3300-T are the latest diesel engines to follow in its footsteps.

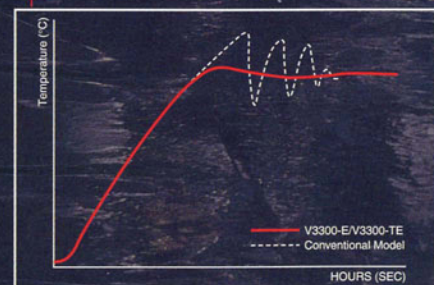
Kubota's advanced technology uses a new 3-valve per cylinder construction that boasts high output and torque while keeping both vibration and exhaust emissions down to a minimum. Our aim is to achieve a harmonious existence between nature and technology. Kubota's V3300/V3300-T engines mark a new beginning for engine possibilities.



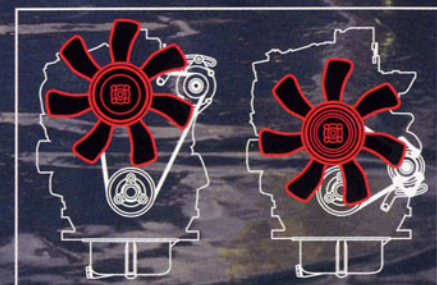
1 Tenacious Peak Torque Control Mechanism greatly supports cleaner exhaust

2 Large Capacity Side PTO is the largest in its class

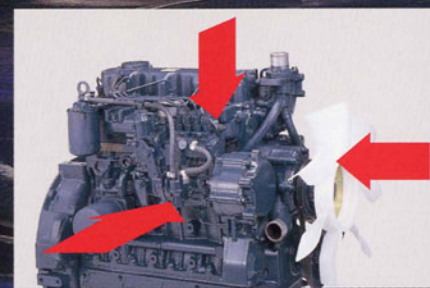
3 3 Step-Valve Type Thermostat



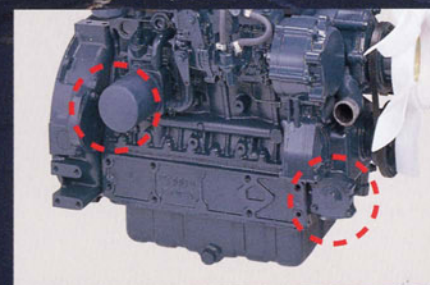
4 Fan Attachment can be selected from 2 different locations to match the user's needs



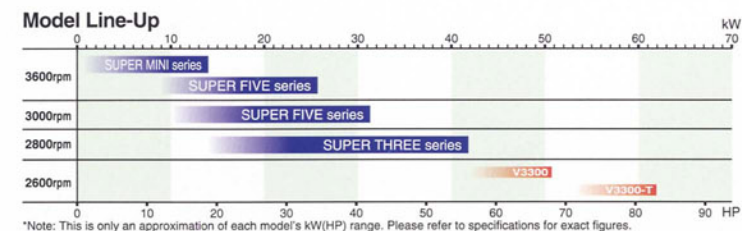
5 3-Sided Maintenance (air-intake, front or the top) to select from



6 Oil Filter Position can be varied to simplify engine service operations



*Photographs of the engines used in this catalog may vary from the actual product.



FEATURES

More Stable Output

The all new injection pump assembly is equipped with an original governor and a torque peak adjuster (a mechanism that precisely sets the torque rise). High torque rise and improved engine performance result in stable output and cleaner exhaust.

Meets a Variety of Uses

Largest capacity side PTO in its class. The placement of the fan and the starter can be changed according to the size of the machine's hood and where the engine is placed. These engines are ideal for all types of applications at any work site.

Easy to Access

Easy one side maintenance of your choice. Select one of three sides or directions (air intake, top or the front side) to simplify and quicken engine maintenance and inspection. Select one of two sides for filter position, while the filter can be set in one of three (horizontally, top, or bottom) different positions.

Low Noise and Vibration

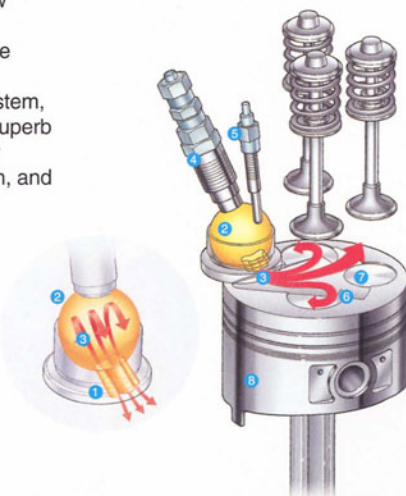
Kubota uses a new 3 step open thermostat to ensure a smooth water temperature rise. Piston slapping sound has been successfully reduced by narrowing the clearance between the piston and the cylinder wall.

Kubota's Advanced Technology Created the First Heavy Duty Diesel Engine with 3 Valve Heads

An ideal blend of 3 valve per cylinder construction, 3 vortices and 3 valve recesses

These engines' unique combustion system is based on, but built even better than the innovative E-TVCS system. The new 3 valve construction, made up of 2 air-intake and 1 exhaust valves per cylinder, improved the air intake rate over that of the conventional E-TVCS engines. It's now possible to pack a large displacement engine more compact. Thanks to this ingenious combustion system, V3300/V3300-T display superb performance with cleaner exhaust, quieter operation, and higher torque.

- 1 Sharp of the combustion chamber throat
- 2 Combustion chamber
- 3 Three vortex
- 4 Injection nozzle
- 5 Glow plug
- 6 Fan-shaped concave
- 7 Valve recess
- 8 Piston



Friendly To The environment

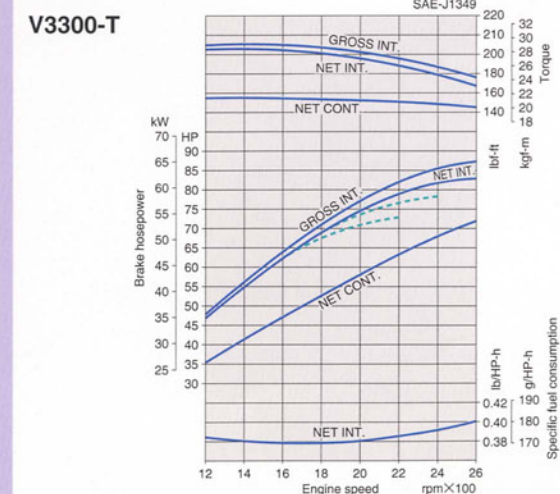
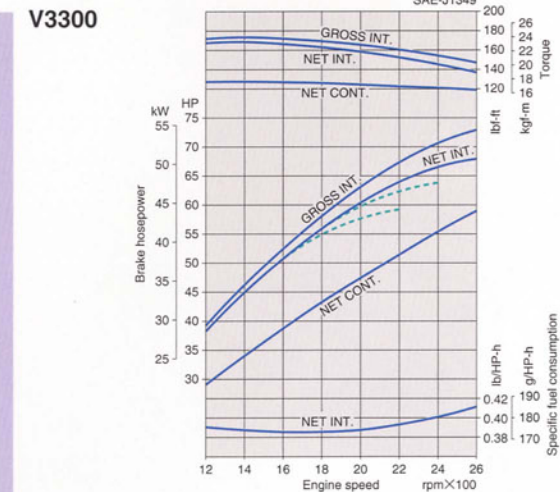
Kubota-made diesel engines are now in compliance with the U.S. E.P.A., the European EC, and the Japanese MOC regulations. Kubota will continue to work aggressively toward meeting all future emission standards.



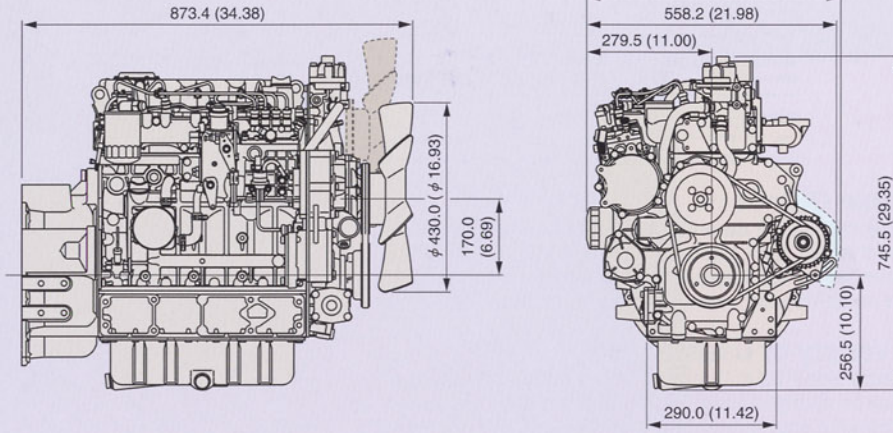
SPECIFICATIONS

Model	V3300	V3300-T
Type	Vertical, 4-cycle liquid cooled Diesel	
No. Of Cylinders	4	
Bore x Stroke	mm(in.) 98 x 110 (3.86 x 4.33)	
Total Displacement	L (cu. In.) 3.318 (202.53)	
Combustion System	E-TVCS	
Intake System	Natural aspirated	Turbo charged
Output	Gross Intermittent kW (HP)/ rpm	54.5 (73.0)/2,600 65.2 (87.4)/2,600
	Net Intermittent kW (HP)/ rpm	50.7 (68.0)/ 2,600 61.9 (83.0)/2,600
	Net Continuous kW (HP)/ rpm	44.1 (59.1)/2,600 53.8 (72.1)/2,600
No Load High Idling Speed	rpm	2800
No Load Low Idling Speed	rpm	700 ~ 750
Direction of Rotation	Counterclockwise (viewed from flywheel side)	
Governing	Centrifugal flyweight high speed governor	
Fuel	Diesel fuel No.2-D (ASTM D975)	
Starter Capacity	V-kW	12-2.5
Alternator Capacity	V-A	12-60
Dry Weight With SAE Flywheel and Housing	Kg (lbs.)	272 (600.0) 280 (617.0)

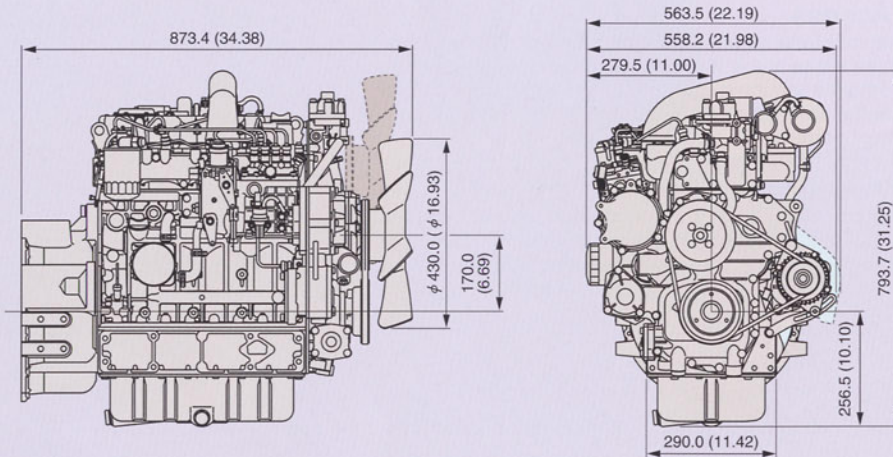
PERFORMANCE CURVES



MODEL: V3300



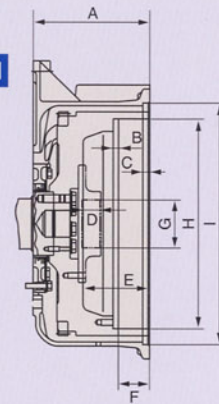
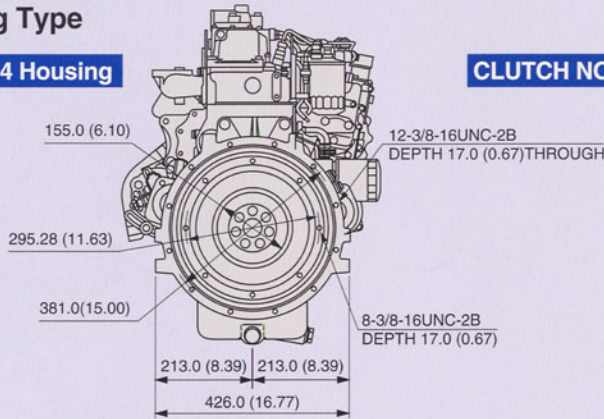
MODEL: V3300-T



SAE Flywheel and Housing Type

SAE NO.4 Housing

CLUTCH NO.10 Flywheel



A	171.5 (6.75)
B	8.0 (0.31)
C	10.0 (0.39)
D	28.0 (1.10)
E	100.1 (3.94)
F	45.8 (1.80)
G	ø72.0 ^{+0.030} ₀ (ø2.8346-2.8358)
H	ø314.32H8 ^{+0.081} ₀ (ø12.3748-12.3780)
I	ø361.95H8 ^{+0.089} ₀ (ø14.2500-14.2535)

*Specifications and dimensions are subject to change without prior notice.



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