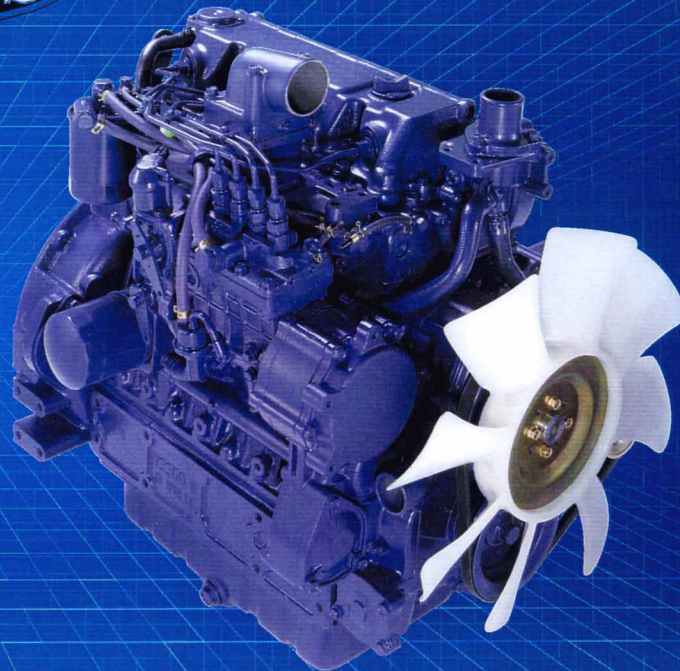


Kubota

KUBOTA DIESEL ENGINE V3 SERIES (DI)

E-CDIS



Liquid-Cooled Diesel Engines featuring 4-Valve E-CDIS

Displacement: 3,318cc/3,769cc

Maximum Output: 53.0 to 70.6 KW

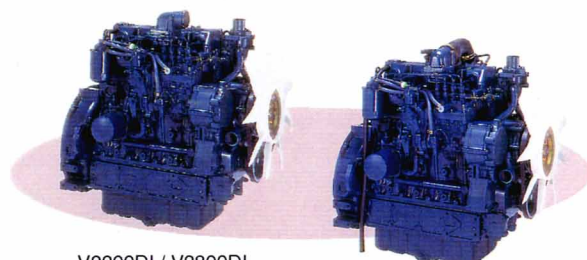


ISO 9001 Certified KUBOTA ENGINE PLANTS - SAKAI/TSUKUBA/SAKAI-RINKAI -

V3 SERIES

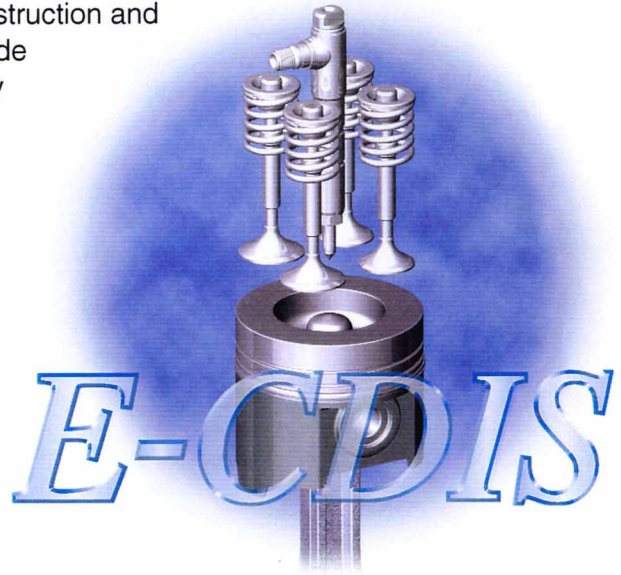
Four New DI Models Join the V3 Series

Kubota presents the world's first E-CDIS (Center Direct Injection System) type combustion system diesel engine series for construction and agricultural uses. This advanced 4-valve system, made exclusively for the V3 DI series, available as normally aspirated or turbo-charged, achieved higher output power, higher torque rise and cleaner emission all at the same time. If you are in the market for a direct-injection type engine in the 3.3 or the 3.8 liter class, look no further. Kubota has the answer.



V3300DI / V3800DI

V3300DI-T / V3800DI-T



An Original E-CDIS

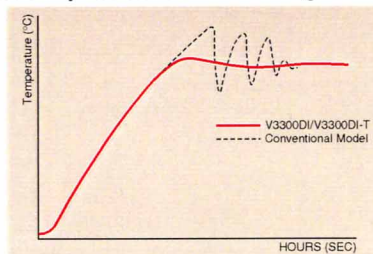
Kubota's new DI version of the V3 series incorporates a new four-valve-per-cylinder head with a new injection system, the E-CDIS. This system, with an injector located in the center of each cylinder, drastically improved fuel efficiency.

High Power Density

The V3 series shares the same engine dimensions, yet the V3800 is 14 % greater in displacement, and 10 % greater in output and torque rise than the V3300.

Superb Noise and Vibration Control

The half float structured head cover successfully reduces the radiating noise from the upper part of the engine. Moreover, the MoS2 coated piston and the three step open thermostat help reduce piston slap by optimizing piston/cylinder wall clearance as the engine coolant comes up to temperature. A built-in twin balancer is available as a factory option for reducing vibration even further.

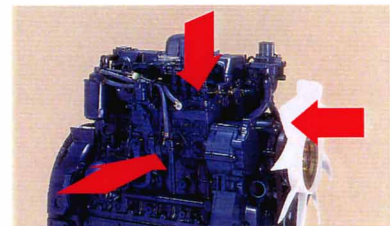


High Torque Rise and Environmental Friendly.

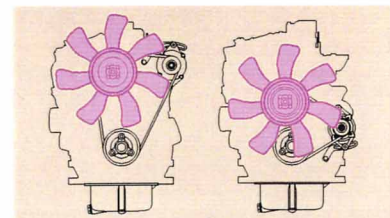
High Torque Rise and Environmental Friendly. The DI version retains Kubota's integral governor and peak torque adjuster. This system promotes higher torque rise, while maintaining targeted emission levels. With our eyes set on even stricter future emission regulations, the technology used in the V3 series enable it to clear the EPA Tier III standards.

Flexibility for industrial uses

- Side mounted PTO can deliver as much as 66% of total N.A.'s engine power.



- Maintenance position can be selected from air-intake, front, or the top.



- Fan position is selectable (Low or High).
- Structural type engine block (e.g. for agricultural tractor) is available.
- Various other options, including higher output starter and Turbo direction, are also available.

FEATURES

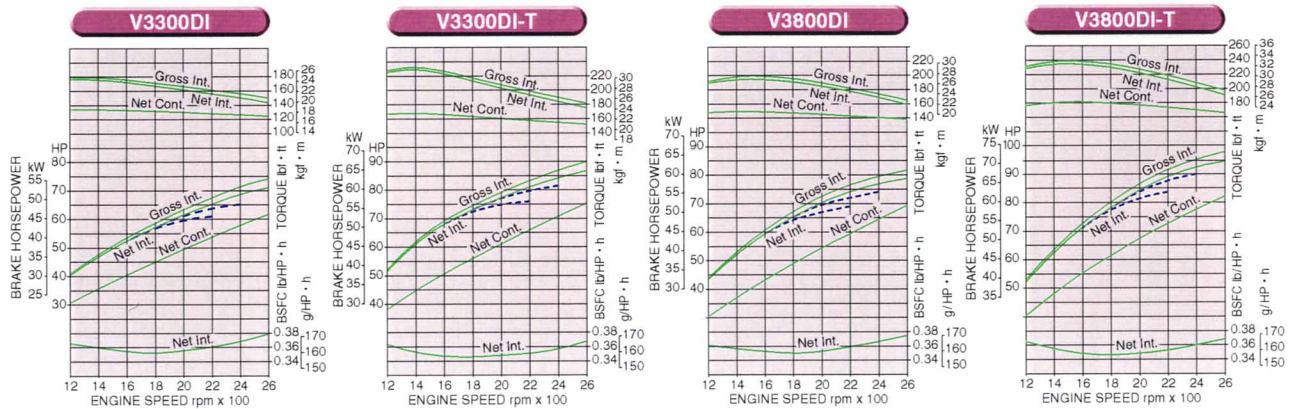
SPECIFICATIONS

Model		V3300DI	V3300DI-T	V3800DI	V3800DI-T	
Type		Vertical, 4-cycle liquid cooled Diesel				
Number of cylinders		4				
Bore x Stroke	mm (in.)	98 x 110 (3.86 x 4.33)		100 x 120 (3.94 x 4.72)		
Total Displacement	L (cu in.)	3.318 (202.53)		3.769 (230.00)		
Combustion system, Intake system		DI (E-CDIS*), Natural aspirated	DI (E-CDIS*), Turbo charged	DI (E-CDIS*), Natural aspirated	DI (E-CDIS*), Turbo charged	
Output	SAE Gross Intermit	kW (HP)/rpm	54.9 (73.6)/2600	66.9 (89.7)/2600	60.8 (81.5)/2600	72.8 (97.6)/2600
	SAE Net Intermit.	kW (HP)/rpm	53.0 (71.0)/2600	64.7 (86.7)/2600	58.8 (78.8)/2600	70.6 (94.6)/2600
	SAE Net Cont.	kW (HP)/rpm	46.0 (61.7)/2600	56.2 (75.3)/2600	51.1 (68.5)/2600	61.3 (82.2)/2600
	ISO 3046 Gross	kW (HP)/rpm	54.9 (73.6)/2600	66.9 (89.7)/2600	60.8 (81.5)/2600	72.8 (97.6)/2600
	ISO 3046 Overload	kW (HP)/rpm	53.0 (71.0)/2600	64.7 (86.7)/2600	58.8 (78.8)/2600	70.6 (94.6)/2600
ISO 3046 Cont.	kW (HP)/rpm	46.0 (61.7)/2600	56.2 (75.3)/2600	51.1 (68.5)/2600	61.3 (82.2)/2600	
Direction of Rotation		Counterclockwise (viewed from flywheel side)				
Governing		Centrifugal flyweight high speed governor				
Fuel		Diesel fuel No. 2-D (ASTM D975)				
Starter Capacity (standard)		V x kW				
Alternator Capacity (standard)		V x A				
Dry weight (Low Fan position)		kg (lbs.)	246.0 (542.4)	255.0 (562.2)	256.0 (564.4)	267.0 (588.7)
Dimensions	Low fan position + SAE housing (L x W x H)	mm (in.)	873.4 x 563.5 x 745.2 (343.9 x 221.9 x 293.4)	873.4 x 563.5 x 791.5 (343.9 x 221.9 x 311.6)	873.4 x 563.5 x 745.2 (343.9 x 221.9 x 293.4)	873.4 x 563.5 x 791.5 (343.9 x 221.9 x 311.6)
	Low fan position + Short housing (L x W x H)	mm(in.)	786.9 x 563.5 x 745.2 (309.8 x 221.9 x 293.4)	786.9 x 563.5 x 791.5 (309.8 x 221.9 x 311.6)	786.9 x 563.5 x 745.2 (309.8 x 221.9 x 293.4)	786.9 x 563.5 x 791.5 (309.8 x 221.9 x 311.6)
	High fan position + Short housing (L x W x H)	mm(in.)	746.9 x 536.0 x 745.2 (294.1 x 221.0 x 293.4)	746.9 x 536.0 x 791.5 (294.1 x 221.0 x 311.6)	746.9 x 536.0 x 745.2 (294.1 x 221.0 x 293.4)	746.9 x 536.0 x 791.5 (294.1 x 221.0 x 311.6)

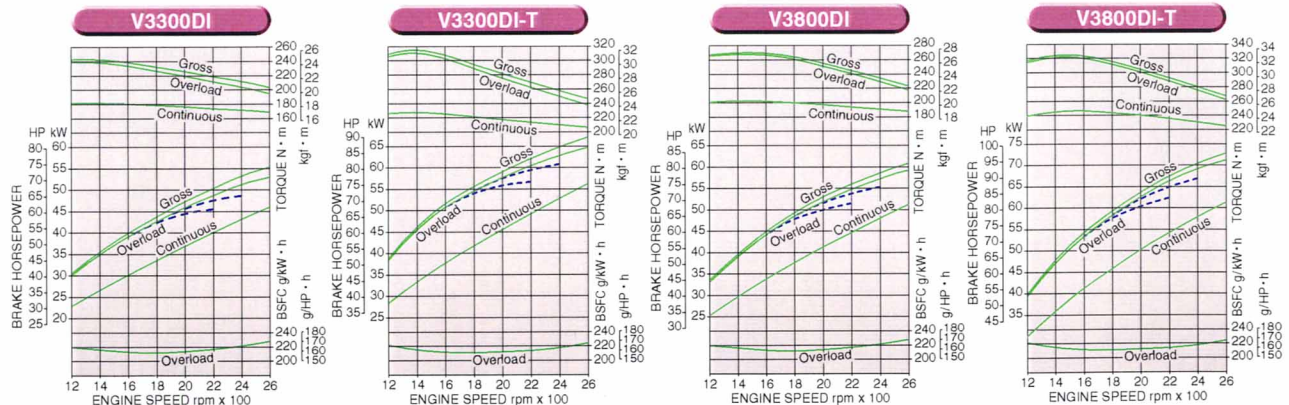
*Center Direct Injection System

PERFORMANCE CURVES

SAE-J1349

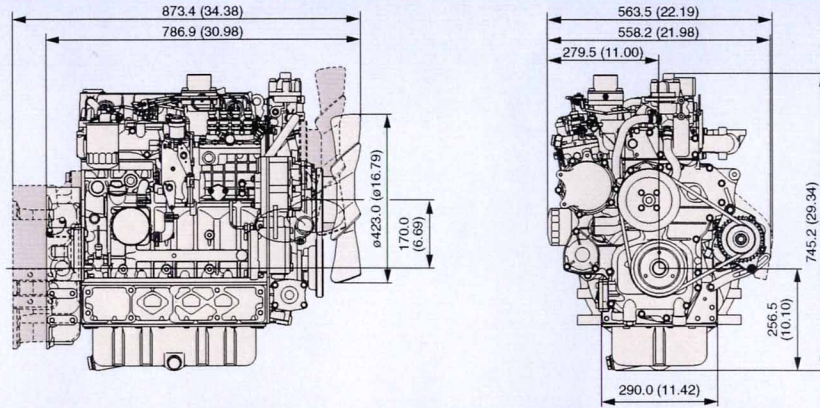


ISO-3046,2534

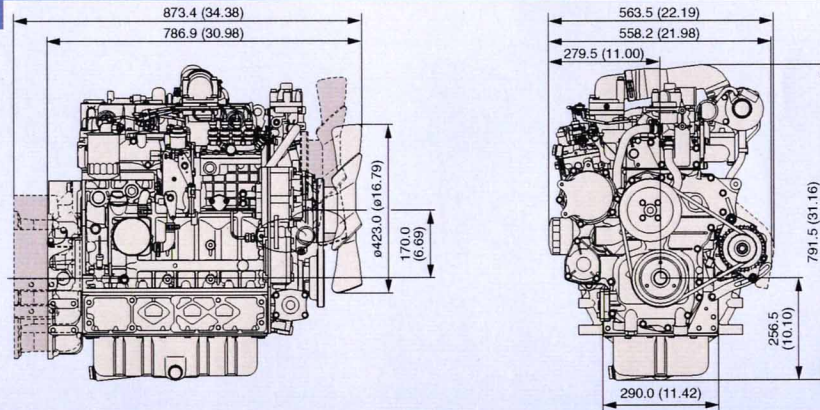


DIMENSIONS [mm(inch)]

V3300DI/3800DI

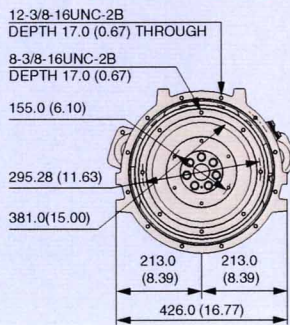


V3300DI-T/3800DI-T



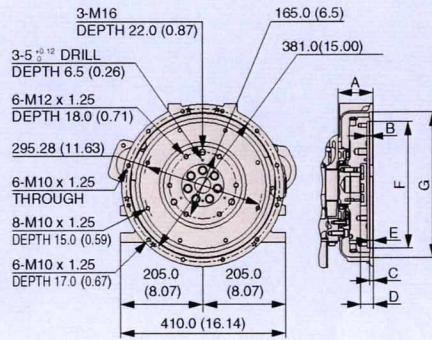
SAE Flywheel and Housing Type

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	98.1 (3.86)
F	45.8 (1.80)
G	∅72.0 ^{+0.030} (∅2.8346-2.8358)
H	∅314.32H8 ^{+0.081} (∅12.3748-12.3780)
I	∅361.95H8 ^{+0.089} (∅14.2500-14.2535)



A	87.0 (3.43)
B	7.0 (0.28)
C	9.0 (0.35)
D	32.5 (1.28)
E	8.0 (0.31)
F	∅314.32H8 ^{+0.081} (∅12.3748-12.3780)
G	∅361.95H8 ^{+0.089} (∅14.2500-14.2535)

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

Kubota

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