Full download: http://manualplace.com/download/kubota-v3-tier2-3-engine-training/

HYUNDAI HEAVY INDUSTRIES EUROPE

Training: (1) boto



V3 series IDI (TIER 2 & 3)



Instructor: Jean Joris

1 Service Departr

Kubota 🐯

- 1922: First kerosene engine produced. Start production of the horizontal type water-cooled kerosene engine "A" for agricultural use at the Funade-cho plant.



- 1950: Start production of the first horizontal type water-cooled diesel engine HD5,HD8,HD10).
- 1997: Development of the 110mm stroke series (V3300, V3300-T, V3300-TI)
- 2004: Development of the 120mm stroke series (V3600, V3800)



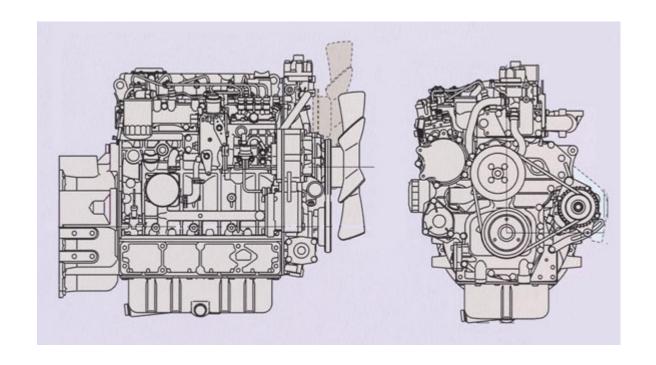
Instructor: Jean Joris



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Engine specifications:

Type: V3300-E2B-HHI-1





Specifications: V3300 Indirect Injection (IDI)

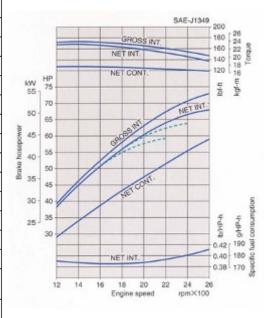
Model	-	KUBOTA V3300(IDI)	
Туре	-	4-cycle, in-line overhead valve	
Cooling Method	-	Water cooling	
Number of cylinders and arrangement	-	4 cylinders, in-line	
Firing order	-	1-3-4-2	
Combustion chamber type	-	In-direct injection	
Cylinder bore X stroke	mm	98×110(3.9×4.3)	
Piston displacement	oc ·	3318(202.5)	
Compression ratio	-	22.6	
Rated gross horse power	ps/rpm	64.5/2300	
Maximum gross torque at rpm	kgf ⋅ m/rpm	21.5/1700	
Engine oil quantity	l	13.2(3.5)	
Dry weight	kg	272(600)	
High idling speed	rpm	2500	
Low idling speed	rpm	860	
Rated fuel consumption	g/ps.hr	174	

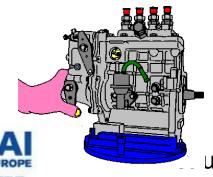


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Specifications: V3300 Indirect Injection (IDI)

Combustion Chamber	Spherical Type (E-TVCS)	
Fuel Injection Pump	Bosch Type Mini Pump	
Governor	All speed mechanical governor	
Direction of Rotation	Counter-clockwise (Viewed from flywheel side)	
Injection Nozzle	BOSCH Throttle-Type	
Injection Timing	0.21 rad. (12 °) before T.D.C.	
Firing Order	1-3-4-2	
Injection Pressure	13.73 MPa (140 bar)	
Compression Ratio	22.6	
Lubricating System	Forced lubrication by trochoid pump	
Oil Pressure Indicating	Electrical Type Switch	
Lubricating Filter	Full Flow Paper Filter (Cartridge Type)	
Cooling System	Pressurized radiator, forced circulation with water pump	
Fuel	Diesel Fuel No. 2-D (ASTM D975)	
Lubricating Oil	Class CF lubricating oil as per API classification is recommended. If this class of lubricating oil is not available, preferably use Class CD or CE lubricating oil.	
Lubricating Oil Capacity	13.2 L	
Weight (Dry)	241 kg	





Output	Gross Intermittent	kW (HP)/ rpm	54.5 (73.0)/2,600
	Net Intermittent	et Intermittent kW (HP)/ rpm	
	Net Continuous	kW (HP)/ rpm	44.1 (59.1)/2,600

uctor: Jean Joris

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