STANDARD AND OPTIONAL FOUIPMENT

Safety equipment	HD25V5	HD30V5	HD35V5	Working	gequipment	HD25V5	HD30V5	HD35V5
ROPS canopy	0	0	0		0.04m ³ %2	•	•	-
TOPS canopy	•	•			0.05m ³ %2	•	•	-
Safety lock lever	0	O	0		0.055m ³	-	-	•
Retractable seat-belt	0	O	O		0.06m ³	•	•	-
Boom working light %1	0	O	O		0.07m ³	•	•	-
LED boom working light %1	•	•		Bucket	0.08m ³	0	•	•
Front and Rear working light(Only cabin: Front 2, Rear 1)	•	•	•		0.09m ³	•	0	-
Rear side mirror (only cabin)	•	•	•		0.10m ³	-	•	-
Automatic parking brake			-		0.11m ³	-	-	0
(slewing table)	0	0	O		0.12m ³	-	-	•
Automatic parking brake	0	0	0	Arm	STD Arm	0	0	O
(traveling)		_	_	Ann	Long Arm (+300mm)	•	•	•
Caution indication	0	0	0	Dozer blad	e Reinforced type	0	0	0
Reinforced hose(partial)	0	0	0	Additional counterweight				
Rear side reflective plate	0	0	0	(+140kg)		-	-	•
Engine fan guard	0	0	0	Additional counterweight				
Secondary engine stop switch	-	0	0	(+200kg)		-	•	-
Tie down point	O	O	-					
Front guard(ROPS, cabin)	•	•		Operation room		HD25V5	HD30V5	HD35V5
Traveling alarm	•	•		4-post car	nopy (ROPS)	0	0	0
Operation seat	HD25V5	HD30V5	HD35V5	2-post car	nopy (TOPS)			•
12V electric supply port	ND25V5	©	©	Cabin (RO	PS)	•		•
Cup holder	0	0	0					
Arm rest	0	0	0				110001/5	
Electric control throttle				System		HD25V5	HD30V5	HD35V5
knob	0	0	O	Mode selection (Vmax mode / ECO mode)		0	0	0
Multiple one-key	•	•		Auto-idling mode		0	0	0
Manual storage box	0	O	O	Auto transmission		0	0	O
Analogue monitor	0	-	-	Expandable undercarriage track		-	-	O
Analogue monitor(engine error code)	-	0	0					
Seat suspension	0	O	O	Traveling equipment		HD25V5	HD30V5	HD35V5
				25	Omm rubber shoe	0	-	-
Operation room option	HD25V5	HD30V5	HD35V5	30	Omm high-durability		0	0

5	Piping and others	HD25V5	HD30V5	HD35V5
	Anti-drift valve	-	•	•
	1st aux. piping for	0	0	0
	attachment(W/A selectable)	0	0	
	2nd aux. piping for attachment %3	•	•	•
	3rd aux. piping for attachment	•	•	•
	Aux. piping proportional control %4	•	•	•
	Stop valve for 1st aux piping port	•	•	•
	Pattern change valve(AB) *5	•	•	•
	Pattern change valve(AF) %5	•	•	•
	Pattern change valve(ABCD) *5	•	•	•
	Cold region battery	•	•	•
	Designated paint	•	•	•
	Relief valve for aux			
-	port(13.7MPa)	•	•	•
	Relief valve for aux			
	port(17.2MPa)			

D35V5	Maintenance	HD25V5	HD30V5	HD35V5
•	Double element air cleaner	0	0	0
•	Cartridge type return filter	0	0	0
	Hydraulic oil tank with air	0	0	0
	breather system	0	0	
D35V5	Side by side cooling	O	O	0
0	Plastic fuel tank	O	O	0
0	Large fuel filter	0	O	O
0	Water separator with electric	0	0	0
0	sensor			
•	Dustproof net in front of radiator	•	•	•
	Castle nut for adjustment	0	0	0
D35V5	(boom tip)			
-	Castle nut for adjustment	•	•	•
0	(arm link)	-	-	-
	Engine error code display	-	0	0
-	Engine diagnosis CAN service	-	0	0
•	connector			
0	Tool set	0	0	O

*1 Cannot be installed at the same time *2 Side cutter cannot be installed *3 2nd or 2nd and 3rd aux piping cannot be selected without the 1st aux piping *4 E grip type *5 Cannot be installed at the same time

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SPECIFICATION AND COMBINATION OF BUCKET • : General purpose \Box : Light work \times : Unusable

300mm steel shoe

Traveling frame undercover

rubber shoe 250mm steel shoe

			HD25V5			HD30V5						HD35V5						
Bucket capacity (JIS	M3) (m ³)	0.04	0.05	0.06	0.07	0.08	0.09	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.055	0.08	0.11	0.12
Dualest width (mm)	without side cutter	250	320	370	420	470	520	250	320	350	400	450	500	550	350	450	550	610
Bucket width(mm)	with side cutter	-	-	400	450	500	550	-	-	400	450	500	550	600	400	500	600	660
Number of	of bucket teeth	2	3	3	3	4	4	2	3	3	3	4	4	4	3	3	4	4
Star	ndard arm	•	•	•	•	•		•	•	•	•	•	•		•	•	•	
Long arm		•	•	•	×	×	×	•	•	•	•	х	×	×	•	•	×	×

SHOE

(only cabin)

Air Conditioner

Heater

AM radio

	HD2	25V5	HD30V5	HD35V5			
Туре	Rubber	Steel	High-durability rubber(tough track)	Steel	High-durability rubber(tough track)		
Shoe width(mm)	250		300		300		
Overall width(mm)	1,5	550	1,550		[Max./Min.]1,800/1,550		
Ground pressure(kPa)	30	32	28	29	29	30	

Before using this machine, read the instruction manual precautions thoroughly to operate it correctly.

Specifications are subject to change without notice for improvement purposes.

HD25V5 HD30V5 HD35V5

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Photographs shown in the catalog were taken for publication and therefore may differ in some cases from actual objects.

When operating the mini excavator, wear clothing and equipment in accordance to local legal and safety regulations.

Contact for enquiry:



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YouTube



zero tail 🕻 swing

ΚΑΤΟ



Advanced low center of gravity design

Powerful Strong Reliable

Ultra slewing mini excavators fit various job sites

Workability&Economy

Enhancement of stability

Stability is enhanced in comparison to the previous model by lowering the center of gravity. The workability has been improved for efficient operation.

Vmax mode and ECO mode

Operation mode is selectable from Vmax mode which is operation speed oriented and ECO mode which ensures low fuel consumption.

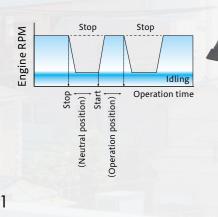


Enhanced dumping height

Dumping height is higher than previous model(110mm higher than HD30/35V4). Workability has been improved.

Auto-idling is standard feature

Optimum engine speed will be provided automatically in few seconds after returning the operation lever to the neutral position. It saves the fuel consumption by approx. 10%.



Enhanced operability

The reaction at start and stop is significantly improved. The low gravity design suppresses vibration and enables for a non-stress operation.

Traveling auto shifting mode

Traveling speed 1 and 2 are automatically changed according to the traveling motor load. Can set only speed 1 by operating the switch on the dozer lever.

Safety

ROPS compliant 4-post canopy

4-post canopy with a retractable seat belt is available as standard feature. Safety of operator has significantly improved (Fasten your seat belt when you operate).

Engine start system & safety lock system

The engine is turned on when that lever is in the neutral position. Auto-parking brake is activated when the lock lever is raised (Including dozer blade and swing). It offers high operating safety and prevents unexpected movements.





equipped as Standard (HD30/35V5)



Working light under the boom The light is installed to under the boom and protected from damages.

Reinforced boom cylinder cover

The V-shaped double structure reinforced boom cylinder cover prevents the cylinder from damages.

Fully versatile easy skimming work

The closer distance between bucket teeth and dozer blade allows it to skim the ground easier.



Extendable undercarriage(HD35V5)

This undercarriage design is efficient for transportation and traveling in confined spaces ensuring compactness and high stability.







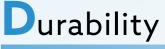
Traveling & Slewing parking brake

Parking brake is equipped to prevent unexpected movement and secure safety.

Emergency engine stop switch (HD30/35V5)

It is possible to stop the engine from outside of cabin at emergency situation.





High-durability Tough Track rubber shoes are

The durability is improved by spiral structure with great rug pattern and anti-corrosion steel cord.





	Conventional	Tough Tracl
Core metal shape		
Core metal edge FEM analysis		

Boom swing pin

Single large size pin reduces the wearing and the rattling sounds.



Reinforced dozer blade

Dozer blade arm adopts sturdy square tube structure. It is strong and durable against twist.

X-shaped under carriage(HD25/30V5)

It enhanced the strength against twist. Mud drainage performance has increased and cleaning is now carried out with ease.



Comfortability

Comfortable operating space Ergonomic wide comfortable operating space has

been designed to fit operator.

Monitor

Brand new display with improved visibility of display due to the always lit LED light. Engine error code on the display supports efficient maintenance.



12V electric supply port Equipped with an electric supply port. (12V 10A)



Comfortable lever control

Appropriate lever length and remote valve enhance lever operating comfortability. It also reduces the operators fatigue.

Great access

Access to the operator seat has been improved by lowering the step height.





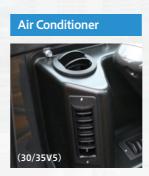


Maintenance

Wide openable engine cover

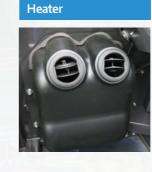
Engine and right-side covers are openable without using any tools. Daily maintenance such as engine check have been made easier.











Traveling pedal



TOPS canopy







ROPS cabin









Steel pressed cover

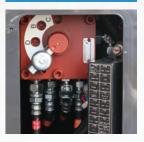
Durable steel cover is adopted and it is easier to repair damage such as scratch and dent.



Proportional control lever







Additional counterweight



HD25 HD30 HD35

Technical Specification

HD25V5

Model

Overall width

Max. ground

Crawler length

Tail slewing radius 900mm

clearance

Shoe wid

····· 1,800mm

250mm

2,265mn

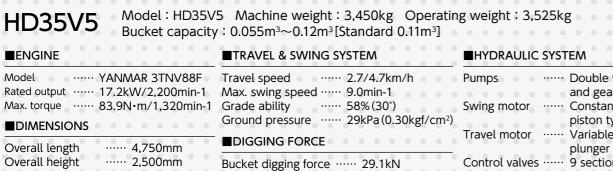
1,550mm(Min.)

Model : HD25V5 Machine weight : 2,500kg Operating weight : 2,575kg Bucket capacity : 0.04m³~0.09m³[Standard 0.08m³]

■ENGINE .	TRAVEL & SWING SYSTEM	HYDRAULIC SYSTEM
Model KUBOTA D1305-E4B Rated output 17.6kW/2,400min-1 Max. torque 79.0N•m/1,600min-1 DIMENSIONS	Travel speed2.5/4.4km/hMax. swing speed9.0min-1Grade ability58% (30°)Ground pressure30kPa(0.31kgf/cm²)	Pumps Double variable piston pump and gear pump Swing motor Constant displacement piston type with swing brake
Overall length······4,000mmOverall height······2,480mmOverall width······1,550mmMax. ground clearance·····280mmTail slewing radius·····775mm	■DIGGING FORCE Bucket digging force ······ 21kN Arm digging force ······ 14kN ■CAPACITY	Travel motor ······ Variable displacement plunger motor Control valves ······ 9 section multiple control valves Max. pressure ····· 21.6MPa (220kgk/cm ²)
Crawler length 1,900mm Shoe width 250mm	Hydraulic tank ······ 33L(reference capacity) Fuel tank ····· 42L	

Model : HD30V5 Machine weight : 3,020kg Operating weight : 3,095kg Bucket capacity : 0.04m³~0.10m³ [Standard 0.09m³] HD30V5

	TRAVEL & SWING SYSTEM	HYDRAULIC SYSTEM						
Model ······· YANMAR 3TNV88F Rated output ······ 17.2kW/2,200min-1	Travel speed 2.7/4.7km/h Max. swing speed 9.0min-1	Pumps Double variable piston pump and gear pump						
Max. torque ······ 83.9N•m/1,320min-1 ■DIMENSIONS	Grade ability ······ 58% (30°) Ground pressure ····· 28kPa (0.29kgf/cm ²)	Swing motor ······ Constant displacement piston type with swing brake						
Overall length 4,460mm		Travel motor Variable displacement						
Overall height • • • • • 2,500mm	Bucket digging force 29.1kN	• • • • • • • plunger motor • • • •						
Overall width	Arm digging force 18.1kN	Control valves 9 section multiple						
Max. ground clearance 290mm Tail slewing radius 795mm	CAPACITY	control valves Max. pressure 24.5MPa (250kgk/cm²)						
Crawler length 2,100mm Shoe width 300mm	Hydraulic tank ······ 33L(reference capacity) Fuel tank ····· 42L							



■CAPACITY Hydraulic tank 331 (reference capa

Arm digging force

17.1kN

Max. pressure

······ Double variable piston pun and gear pump Constant displacement piston type with swing brake

Variable displacement plunger motor 9 section multiple contro valves 24 5MPa

