

# specifications

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	HD09V5	HD12VXE	HD17VXE	HD18V5
<b>GENERAL PERFORMANCE</b>				
Standard bucket capacity	0.022 m <sup>3</sup>	0.036 m <sup>3</sup>	0.044 m <sup>3</sup>	0.04 m <sup>3</sup>
Standard bucket width	350 mm	400 mm	400 mm	400 mm
Machine weight	948 kg	1180 kg	1615 kg	1780 kg
Operating weight	1049 kg	1255 kg	1690 kg	1855 kg
Transport dimensions	2780 x 765 x 2330 mm	3110 x 870 x 2280 mm	3380 x 980 x 2330 mm	3450 x 990 x 2390 mm
Gradeability	30°	30°	30°	30°
Ground contact pressure	27.9 kPa (0.28 kgf / cm <sup>2</sup> )	26.2 kPa (0.27 kgf / cm <sup>2</sup> )	25.6 kPa (0.26 kgf / cm <sup>2</sup> )	30 kPa (0.30 kgf / cm <sup>2</sup> )
Minimum ground clearance	160 mm	170 mm	175 mm	170 mm
<b>ENGINE</b>				
Model	Kubota D722-E4B	Yanmar 3TNM68	Yanmar 3TNV70	Yanmar 3TNV74
No. of cylinders and engine size	3 / 719 cc	3 / 784 cc	3 / 854 cc	3 / 993 cc
Bore for stroke	67 x 68 mm	68 x 72 mm	70 x 74 mm	74 x 77 mm
Rated output (ISO 1585)	7.4 kW / 2000 rpm	9.4 kW / 2200 rpm	10.5 kW / 2300 rpm	10.5 kW / 2300 rpm
Fuel consumption	252 g / kWh	260 g / kWh	272 g / kWh	273 g / kWh
Engine oil pan capacity	3.2 L (Maximum level)	2.5 L (Maximum level)	3.8 L (Maximum level)	3.8 L (Maximum level)
<b>ELECTRICAL EQUIPMENT</b>				
Voltage	12 V	12 V	12 V	12 V
Battery	12 V - 37 Ah	12 V - 45 Ah	12 V - 45 Ah	12 V - 45 Ah
Alternator	12 V - 14 A	12 V - 20 A	12 V - 20 A	12 V - 20 A
Starter motor	12 V - 1.2 kW	12 V - 1.2 kW	12 V - 1.1 kW	12 V - 1.1 kW
<b>HYDRAULIC SYSTEM</b>				
Pumps maximum flow rate	22.4 L / min	13.2 L / min x 2	17.2 L / min x 2 + 12 L / min	17.2 L / min x 2 + 12 L / min
Max Pressure / Setting	16 MPa (163 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )
Control	DCS controls (Direct Control System)	assisted hydraulic controls	assisted hydraulic controls	assisted hydraulic controls
<b>DOUBLE ACTION HYDRAULIC CIRCUIT FOR ACCESSORIES</b>				
Maximum flow rate	22.4 L / min	26 L / min	29.2 L / min	29.2 L / min
Max setting pressure	16 MPa (163 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )	20.6 MPa (210 kgf / cm <sup>2</sup> )
<b>END-OF-STROKE CUSHIONING</b>				
Arm cylinder	rod fully extended	rod fully extended	rod fully extended	rod fully extended
Rocker arm cylinder	-	-	-	-
<b>SLEWING SYSTEM</b>				
Slewing speed	8.0 min <sup>-1</sup>	8.5 min <sup>-1</sup>	9.4 min <sup>-1</sup>	8.5 min <sup>-1</sup>
Turret braking	automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake
<b>BUCKET PERFORMANCE</b>				
Bucket digging force (ISO 6015)	10.6 kN (1090 kgf)	11.86 kN (1210 kgf)	15.7 kN (1600 kgf)	16.4 kN (1670 kgf)
Bucket accumulation force (ISO 6015)	6.2 kN (630 kgf)	7.84 kN (800 kgf)	9.35 kN (950 kgf)	9.6 kN (980 kgf)
<b>LOWER FRAME</b>				
Undercarriage length	1220 mm	1339 mm	1570 mm	1570 mm
Extendible undercarriage	720 / 950 mm	870 / 1135 mm	980 / 1300 mm	990 / 1300 mm
Tracks width	180 mm	200 mm	230 mm	230 mm
Lower / upper rollers per side	2	3	3	3
Track tension	with grease pump	with grease pump	with grease pump	with grease pump
Blade dimensions (wxh) mm	720 / 950 mm x 240 mm	870 / 1135 mm x 230 mm	980 / 1300 mm x 235 mm	990 / 1300 mm x 235 mm
Upward movement	220 mm	230 mm	230 mm	300 mm
Downward movement	150 mm	210 mm	340 mm	230 mm
<b>TRAVEL SYSTEM</b>				
Travel speed (1a / 2a)	1.8 / 3.2 km / h	2.3 / 4.0 km / h	2.1 / 4.2 km / h	2.1 / 4.0 km / h
<b>CAPACITY</b>				
Fuel tank capacity	11 L	12.5 L	20 L	22 L
Hydraulic tank capacity	9.6 L	17 L	19 L	16 L
Hydraulic circuit total capacity	15.4 L	26 L	23 L	21 L
Engine coolant	2.7 L	3.6 L	3.6 L	3.5 L
<b>EXCAVATION ARM</b>				
Right swing angle	90°	80°	80°	70°
Left swing angle	50°	50°	55°	55°
<b>OTHER DATA</b>				
Sound power level Lwa	90 dB	93 dB	93 dB	93 dB