

features

| | HD27V5 | HD33V5 | HD37V5 |
|---|---------------------------------------|---------------------------------------|---------------------------------------|
| GENERAL SPECIFICATIONS | | | |
| Standard bucket capacity (ISO) | 0.08 m ³ | 0.09 m ³ | 0.11 m ³ |
| Standard bucket width | 500 mm | 550 mm | 600 mm |
| Machine weight RS / SS* Canopy | 2500 / 2630 kg | 3020 / 3070 kg | 3450 / 3500 kg |
| Machine weight RS / SS* Cab | 2650 / 2780 kg | 3170 / 3220 kg | 3600 / 3650 kg |
| Operating weight RS / SS* Canopy | 2575 / 2705 kg | 3095 / 3145 kg | 3525 / 3575 kg |
| Operating weight RS / SS* Cab | 2725 / 2855 kg | 3245 / 3295 kg | 3675 / 3725 kg |
| Ground pressure | 31 kPa (0.32 kgf / cm ²) | 28 kPa (0.29 kgf / cm ²) | 29 kPa (0.30 kgf / cm ²) |
| *RS/SS Rubber Shoes/Steel Shoes | | | |
| ENGINE | | | |
| Model | Kubota D1305-E4B | Yanmar 3TNV88F | Yanmar 3TNV88F |
| No. of cylinders and displacement | 3 / 1261 cc | 3 / 1642 cc direct injection | 3 / 1642 cc direct injection |
| Bore x stroke | 78 x 88 mm | 88 x 90 mm | 88 x 90 mm |
| Rated output (ISO 1585) | 17.6 kW (23.9 hp) at 2400 rpm | 17.2 kW (23.4 hp) at 2200 rpm | 17.2 kW (23.4 hp) at 2200 rpm |
| Fuel Consumption | 272 g / kWh | 238 g / kWh | 238 g / kWh |
| Engine oil pan capacity | 5.7 l (Maximum level) | 6.7 l (Maximum level) | 6.7 l (Maximum level) |
| DIMENSIONS | | | |
| Length | 4000 mm | 4460 mm | 4750 mm |
| Canopy/Cab Height | 2440 mm / 2470 mm | 2460 mm / 2490 mm | 2460 mm / 2490 mm |
| Width | 1550 mm | 1550 mm | 1550-1800 mm |
| Undercarriage length | 1900 mm | 2100 mm | 2265 mm |
| Undercarriage width | 1550 mm | 1550 mm | 1550-1800 mm |
| Distance between drive sprocket and front idler | 1470 mm | 1650 mm | 1815 mm |
| Shoes width | 250 mm | 300 mm | 300 mm |
| Minimum ground clearance | 280 mm | 290 mm | 250 mm |
| BUCKET PERFORMANCE | | | |
| Maximum digging radius | 4560 mm | 4880 mm | 5210 mm |
| Max. digging depth | 2440 mm | 2700 mm | 3060 mm |
| Maximum height of cutting edge | 4220 mm | 4670 mm | 4990 mm |
| Maximum dumping height | 2900 mm | 3320 mm | 3460 mm |
| Maximum vertical wall | 1840 mm | 2320 mm | 2570 mm |
| SLEWING SYSTEM | | | |
| Travel speed | 2.5 / 4.4 km / h | 2.7 / 4.7 km / h | 2.7 / 4.7 km / h |
| Gradeability | 30° | 30° | 30° |
| Swing speed | 9 min ⁻¹ | 9 min ⁻¹ | 9 min ⁻¹ |
| Bucket digging force | 21 kN (2140 kgf) | 29.1 kN (2970 kgf) | 29.1 kN (2970 kgf) |
| CAPACITIES | | | |
| Fuel tank capacity | 42 l | 42 l | 42 l |
| Hydraulic reservoir capacity | 33 l | 33 l | 33 l |
| Hydraulic circuit total capacity | 50 l | 50 l | 50 l |
| ELECTRICAL SYSTEM | | | |
| Battery | 12 V - 60 Ah | 12 V - 60 Ah | 12 V - 60 Ah |
| Alternator | 12 V - 40 A | 12 V - 40 A | 12 V - 40 A |
| Governor | IC type | IC type | IC type |
| Starter motor | 12 V - 1.2 kW | 12 V - 1.7 kW | 12 V - 1.7 kW |
| ARM SWING SYSTEM | | | |
| Minimum front swing radius | 2030 mm | 2030 mm | 2140 mm |
| Standard arm length | 1100 mm | 1200 mm | 1280 mm |
| Main boom length | 2000 mm | 2250 mm | 2420 mm |
| Rear swing minimum radius | 775 mm | 795 mm | 900 mm |
| Right-hand swing | 80° | 80° | 80° |
| Left-hand swing | 50° | 50° | 50° |
| HYDRAULIC SYSTEM | | | |
| Pressure | 21.6 MPa (220 kgf / cm ²) | 24.5 MPa (250 kgf / cm ²) | 24.5 MPa (250 kgf / cm ²) |
| Pumps maximum delivery | 28.8 x 2 + 19.2 l / min | 37.4 x 2 + 23.1 l / min | 37.4 x 2 + 23.1 l / min |
| Control system | joystick | joystick | joystick |
| Number of pumps | 3 | 3 | 3 |
| BLADE | | | |
| Width | 1550 mm | 1550 mm | 1550 mm |
| Height | 370 mm | 370 mm | 370 mm |
| Upward movement (distance from ground) | 345 mm | 370 mm | 370 mm |
| Maximum downward movement | 430 mm | 455 mm | 445 mm |
| OTHER DATA | | | |
| Sound power level LWA (2000/14/EC) | 94 dB | 94 dB | 94 dB |