

features

	9VXE	12VXE	17VXE
GENERAL SPECIFICATIONS			
Standard bucket capacity	0.022 m ³	0.036 m ³	0.040 m ³
Standard bucket width	370 mm	400 mm	400 mm
Machine weight RS* Canopy / Cab	890 kg (no canopy)	1180 kg	1615 kg
Operating weight RS* Canopy / Cab	965 kg (no canopy)	1255 kg	1690 kg
Transport dimensions	720 x 2700 x 1405 mm	3100 x 870 x 2280 mm	3380 x 980 x 2330 mm
Gradeability	30°	30°	30°
Ground pressure RS/SS* Canopy	26.8 kPa (0.27 kgf / cm ²)	26.2 kPa (0.27 kgf / cm ²)	25.6 kPa (0.26 kgf / cm ²) / 27.3 kPa (0.28 kgf / cm ²)
Minimum ground clearance	160 mm	175 mm	175 mm
* RS/SS Rubber Shoe/Steel Shoe			
ENGINE			
Model	Yanmar 2TNV70	Yanmar 3TNM68	Yanmar 3TNV70
N° cylinders and displacement	2 / 570 cc	3 / 784 cc	3 / 854 cc
Bore for stroke	70 x 74 mm	68 x 72 mm	70 x 74 mm
Rated output (ISO 1585)	7.3 kW / 2400 rpm	9.5 kW / 2200 rpm	10.5 kW / 2300 rpm
Fuel consumption	286 g / kWh	260 g / kWh	272 g / kWh
Engine oil pan capacity	1.7 L (Maximum level)	2.5 L (Maximum level)	3.8 L (Maximum level)
ELECTRICAL SYSTEM			
Voltage	12 V	12 V	12 V
Battery	12 V - 34 Ah	12 V - 45 Ah	12 V - 45 Ah
Alternator	12 V - 20 A	12 V - 20 A	12 V - 20 A
Starter motor	12 V - 1.0 kW	12 V - 0.9 kW	12 V - 0.9 kW
HYDRAULIC SYSTEM			
Pumps maximum flow rate	11.1 L / min x 2	13.2 L / min x 2	17.2 L / min x 2 + 12 L / min
Max Pressure / Setting	16.2 MPa (165 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)
Control	DCS (Direct Control System) controls	hydraulic remote control	hydraulic remote control
DOUBLE ACTION HYDRAULIC CIRCUIT FOR ACCESSORIES			
Maximum flow rate	22.2 L / min	26 L / min	29.2 L / min
Max. setting pressure	16.2 MPa (165 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)
END-OF-STROKE CUSHIONING			
Arm cylinder	rod fully extended	rod fully extended	rod fully extended
Rocker arm cylinder	-	-	-
SLEWING SYSTEM			
Slewing speed	8.7 min ⁻¹	8.5 min ⁻¹	9.4 min ⁻¹
Turret braking	automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake
BUCKET PERFORMANCE			
Max bucket digging force (ISO 6015)	10.6 kN (1090 kgf)	11.86 kN (1210 kgf)	15.7 kN (1600 kgf)
Max arm digging force (ISO 6015)	6.2 kN (630 kgf)	7.84 kN (800 kgf)	9.35 kN (950 kgf)
LOWER FRAME			
Undercarriage length	1220 mm	1339 mm	1570 mm
Variable gauge undercarriage	700 / 950 mm	870 / 1135 mm	980 / 1300 mm
Tracks width	180 mm	200 mm	230 mm
Lower rollers / upper each side	2	3	3
Track tension	tension spring and grease cylinder	tension spring and grease cylinder	tension spring and grease cylinder
Dozer blade size (width x height) mm	700 / 950 mm x 240 mm	870 / 1130 x 230 mm	980 / 1300 mm x 235 mm
Lift above ground	220 mm	230 mm	230 mm
Drop below ground	150 mm	210 mm	340 mm
TRAVEL SYSTEM			
Travel speed (1st/ 2nd)	1.7 / 3.5 km / h	2.3 / 4.0 km / h	2.1 / 4.0 km / h
CAPACITY			
Fuel Tank Capacity	8.5 L	12.5 L	20 L
Hydraulic reservoir capacity	8.2 L	17 L	19 L
Hydraulic circuit total capacity	14 L	26 L	23 L
Engine coolant	2.2 L	3.6 L	3.6 L
ARM SWING SYSTEM			
Right swing angle	90°	80°	80°
Left swing angle	50°	50°	55°
OTHER DATA			
Noise level LwA	91 dB	93 dB	92 dB

17VXT

19VXT

27V4

0.044 m ³	0.044 m ³	0.064 m ³
400 mm	400 mm	500mm
1655 / 1815 kg	1670 / 1830 kg	2560 / 2730 kg
1730 / 1890 kg	1745 / 1905 kg	2635 / 2805 kg
3590 x 980 x 2345 mm	3665 x 980 x 2340 mm	4000 x 1550 x 2460 mm
30°	30°	30°
26.3 kPa (0.27 kgf / cm ²) / 27.8 kPa (0.29 kgf / cm ²)	26.6 kPa (0.27 kgf / cm ²) / 28.3 kPa (0.29 kgf / cm ²)	31 kPa (0.32 kgf / cm ²) / 32.3 kPa (0.33 kgf / cm ²)
220 mm	380 mm	300 mm
Yanmar 3TNV70	Yanmar 3TNV70	SHIBAURA S773-C
3 / 854 cc direct injection	3 / 854 cc direct injection	3 / 1131 cc
70 x 74 mm	70 x 74 mm	77 x 81 mm
10.5 kW / 2300 rpm	10.5 kW / 2300 rpm	13.6 kW / 2400 rpm
279 g / kWh	279 g / kWh	280 g / kWh
3.8 L (Maximum level)	3.8 L (Maximum level)	4.2 L (Maximum level)
12 V	12 V	12 V
12 V - 45 Ah	12 V - 45 Ah	12 V - 60 Ah
12 V - 20 A	12 V - 20 A	12 V - 40 A
12 V - 1.1 kW	12 V - 1.1 kW	12 V - 2.0 kW
17.2 x 2 + 12 L / min	17.2 x 2 + 12 L / min	28.8 L / min x 2 + 19.2 L / min
20.6 MPa (210 kgf / cm ²)	20.6 MPa (210 kgf / cm ²)	21.6 MPa (220 kgf / cm ²)
hydraulic remote control	hydraulic remote control	hydraulic remote control
29.2 L / min	29.2 L / min	48.0 L / min
20.6 MPa	20.6 MPa	21.6 MPa (220 kgf / cm ²)
rod fully extended	rod fully extended	rod fully extended
-	-	rod fully extended
9.4 min ⁻¹	9.4 min ⁻¹	9 min ⁻¹
automatic multi-disc brake	automatic multi-disc brake	automatic multi-disc brake
15.7 kN (1600 kgf)	15.7 kN (1600 kgf)	21.0 kN (2140 kgf)
10.3 kN (1050 kgf)	9.4 kN (950 kgf)	14.0 kN (1430 kgf)
1570 mm	1570 mm	1900 mm
-	980 / 1300 mm	-
230 mm	230 mm	250 mm
3	3	3/1
tension spring and grease cylinder	tension spring and grease cylinder	tension spring and grease cylinder
980 mm x 235 mm	980-1300 mm x 235	1550 mm x 380 mm
220 mm	220 mm	355 mm
340 mm	340 mm	410 mm
2.1 / 4.1 km / h	2.1 / 4.1 km / h	2.5 / 4.4 km / h
20 L	20 L	42 L
19 L	19 L	33 L
23 L	23 L	50 L
3.6 L	3.6 L	4.4 L
80°	80°	80°
55°	55°	50°
92 dB	92 dB	93 dB

