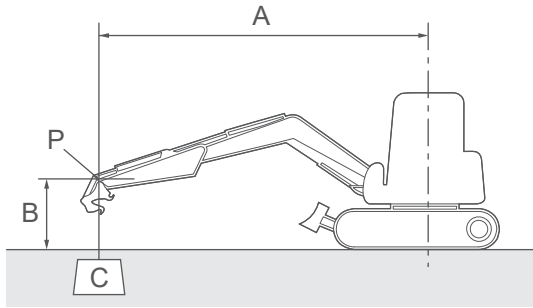


Lifting Capacity



With: Cabin, rubber track and quick coupler
Without: Bucket

A: Reach from swing center line [m (in.)]

B: Load point height [m (in.)]

C: Lifting load [kg (lbs.)]

P: Load point

: Rating over front

: Rating over side or 180 degrees

Loads shown in table include weight of standard bucket [195kg (430lbs.)].

Blade on ground

Unit: kg (lbs.)

| A [m (in.)] | Max. | | 5.0 (196.9) | | 4.0 (157.5) | | 3.0 (118.1) | |
|--------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| B [m (in.)] | | | | | | | | |
| 5.0 (196.9) | *1650 (3638) | 1240 (2734) | - | - | *1620 (3572) | *1610 (3550) | - | - |
| 4.0 (157.5) | *1550 (3417) | 1040 (2293) | *1550 (3417) | 1160 (2557) | *1620 (3572) | *1600 (3528) | - | - |
| 3.0 (118.1) | *1580 (3483) | 890 (1962) | *1640 (3616) | 1140 (2513) | *1920 (4233) | *1890 (4167) | *2480 (5468) | *2500 (5512) |
| 2.0 (78.7) | *1520 (3351) | 790 (1741) | *1790 (3946) | 1080 (2381) | *2280 (5027) | *1850 (4079) | *3120 (6879) | *2580 (5688) |
| 1.0 (39.4) | *1540 (3395) | 770 (1697) | *1930 (4255) | 1040 (2293) | *2590 (5710) | *1720 (3792) | *3470 (7651) | *2300 (5071) |
| 0 (0) | *1530 (3373) | 790 (1741) | *1960 (4321) | 1010 (2227) | *2660 (5865) | *1690 (3726) | *3660 (8070) | *2410 (5314) |
| -1.0 (-39.4) | *1510 (3329) | 890 (1962) | *1840 (4057) | 1010 (2227) | *2480 (5468) | *1670 (3682) | *3440 (7585) | *2550 (5622) |
| -2.0 (-78.7) | *1350 (2976) | 1090 (2403) | - | - | *2040 (4498) | *1700 (3748) | *2820 (6218) | *2690 (5931) |

Blade above ground

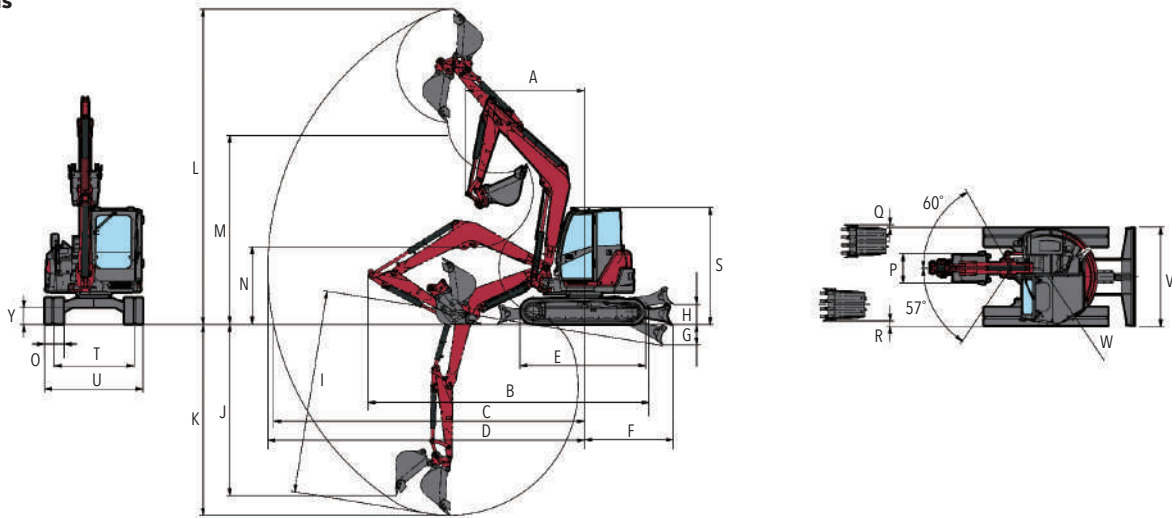
Unit: kg (lbs.)

| A [m (in.)] | Max. | | 5.0 (196.9) | | 4.0 (157.5) | | 3.0 (118.1) | |
|--------------|-----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| B [m (in.)] | | | | | | | | |
| 5.0 (196.9) | *1610 (3550) | 1240 (2734) | - | - | *1570 (3461) | *1610 (3550) | - | - |
| 4.0 (157.5) | 1090 (2403) | 1030 (2271) | 1240 (2734) | 1130 (2491) | *1550 (3417) | *1600 (3528) | - | - |
| 3.0 (118.1) | 920 (2028) | 860 (1896) | 1210 (2668) | 1110 (2447) | *1870 (4123) | *1880 (4145) | *2420 (5336) | *2510 (5534) |
| 2.0 (78.7) | 830 (1830) | 770 (1697) | 1140 (2513) | 1050 (2315) | 1630 (3594) | 1540 (3395) | *2800 (6174) | 2180 (4806) |
| 1.0 (39.4) | 800 (1764) | 760 (1675) | 1080 (2381) | 1020 (2249) | 1560 (3439) | 1440 (3175) | 2070 (4564) | 1930 (4255) |
| 0 (0) | 830 (1830) | 780 (1719) | 1060 (2337) | 980 (2160) | 1500 (3307) | 1430 (3153) | 2210 (4873) | 2060 (4542) |
| -1.0 (-39.4) | 920 (2028) | 870 (1918) | 1050 (2315) | 980 (2160) | 1490 (3285) | 1400 (3087) | 2330 (5137) | 2120 (4674) |
| -2.0 (-78.7) | 1130 (2491) | 1100 (2425) | - | - | 1530 (3373) | 1450 (3197) | 2400 (5292) | 2250 (4961) |

Note:

The lifting load with the asterisk (*) mark is limited by hydraulic lifting capacity rather than tipping. The lifting capacity shown in the above list is based on the ISO Standard No. 10567 and represents either 87% of hydraulic lifting capacity or 75% of tipping load, which is smaller.

●Dimensions



Rubber track specification
Unit: mm (in.)

| ViO80-1 Cabin | | A <at boom swing> | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | Y |
|---------------|-----------------------|-----------------------------|------------|------------|------------|------------|-------------|------------|------------|----------------------------|------------|------------|------------|------------|-------------|------------|-------------|-----------|------------|------------|-------------|-------------|-------------|-------------|------------|
| | With quick coupler | 2720 (107) <2370 (93.3)> | 6460 (254) | 7140 (281) | 7280 (287) | 2890 (114) | 1990 (78.3) | 480 (18.9) | 460 (18.1) | 4680 (184) <4440 (175)> | 3940 (155) | 4400 (173) | 7230 (285) | 4620 (182) | 1750 (68.9) | 450 (17.7) | 750 (29.53) | 60 (2.36) | 120 (4.72) | 2680 (106) | 1870 (73.6) | 2270 (89.4) | 2260 (89.0) | 1135 (44.7) | 390 (15.4) |
| | Without quick coupler | 2470 (97) <2130 (83.9)> | 6410 (252) | 6820 (269) | 6960 (274) | | | | | | | | | | | | | | | | | | | | |

●Specifications

| MODEL | | | | ViO80-1 | | | |
|------------------|--|---|---------------|---|--|----------------------------|--|
| TYPE | | | | Cabin | | | |
| | | | | With quick coupler | | Without quick coupler | |
| WEIGHT | Operating weight | Rubber track | kg (lbs.) | 8225 (18136) | | 8065 (17783) | |
| | | Steel track | kg (lbs.) | 8285 (18268) | | 8125 (17916) | |
| ENGINE | Type | Vertical 4-cylinder water-cooled direct injection diesel engine | | | | | |
| | Model | 4TNV98-ZWBV2 | | | | | |
| BUCKET | Rated output, gross | | kW (HP) / rpm | 39.3 (52.7) / 1900 | | | |
| | Capacity, standard | | cu.m (cu.ft) | 0.28 (9.89) | | | |
| PERFORMANCE | Width, standard | | mm (in.) | 750 (29.53) | | | |
| | Max. digging force | Bucket | kN (lbs.) | 50.4 (11332) | | 63.5 (14275) | |
| | | Arm | kN (lbs.) | 37.2 (8356) | | 40.8 (9172) | |
| | Max. digging depth <at the blade down> | | mm (in.) | 4400 (173) <4680 (184)> | | 4150 (163) <4440 (175)> | |
| | Max. vertical wall digging depth | | mm (in.) | 3940 (155) | | 3800 (150) | |
| | Max. cutting height | | mm (in.) | 7230 (285) | | 6790 (267) | |
| | Max. dumping height | | mm (in.) | 4620 (182) | | 4680 (184) | |
| | Max. digging radius of the ground | | mm (in.) | 7140 (281) | | 6820 (269) | |
| | Front min. swing radius <at swinging the boom> | | mm (in.) | 2720 (107) <2370 (93)> | | 2470 (97) <2130 (83.9)> | |
| | Boom swing angle: left / right | | degrees | 57 / 60 | | | |
| SPEED | Travel speed: high / low | Rubber track | km/h (mph) | 4.5 (2.8) / 2.5 (1.6) | | | |
| | | Steel track | km/h (mph) | 4.1 (2.5) / 2.3 (1.4) | | | |
| | Swing speed | | rpm | 9 | | | |
| GROUND PRESSURE | With standard track | Rubber track | kPa (PSI) | 35.8 (5.19) | | 35.1 (5.09) | |
| | | Steel track | kPa (PSI) | 36.2 (5.25) | | 35.5 (5.15) | |
| TANK CAPACITY | Fuel tank | | L (gal) | 115 (30.4) | | | |
| | Hydraulic oil tank | | L (gal) | 60 (15.8) | | | |
| HYDRAULIC SYSTEM | Pump displacement | | L/min (gpm) | 70.3 (18.6)×2 <Variable displacement pump> 53.2 (14.1)×1, 19 (5.0)×1 <Gear pump> | | | |
| | Relief set pressure | | MPa (PSI) | 25.5 (3698)×2, 24.0 (3481)×1, 2.9 (421)×1 | | | |
| | Max. P.T.O. output | | L/min (gpm) | 120 (31.7) | | | |

All data are subject to change without notice. Note that the standard equipment may vary. Consult your YANMAR dealer for confirmation.

YANMAR COMPACT EQUIPMENT



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