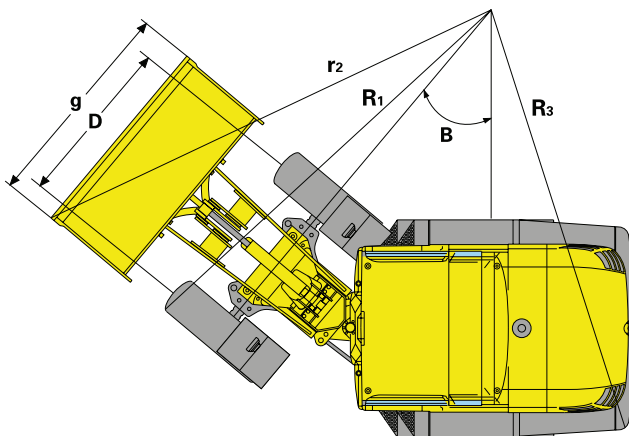
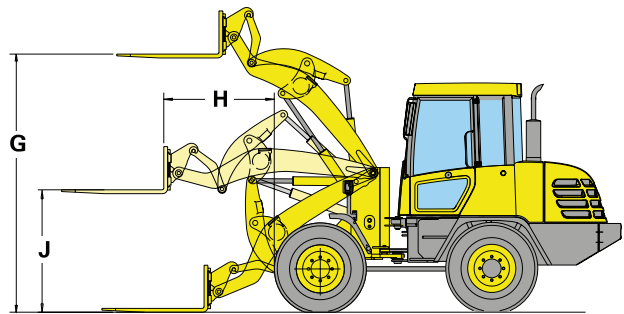
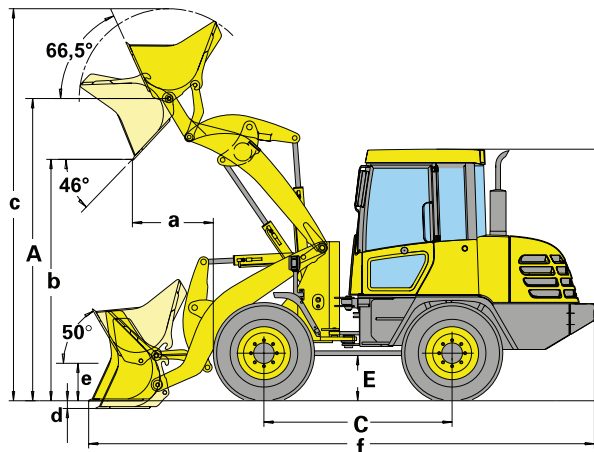


DIMENSIONS & WORKING VALUES



Dimensions – Main features

| | | |
|----|-------------------------|----------|
| A | Centre hinge pin height | 3.195 mm |
| R1 | Turning radius | 3.775 mm |
| R3 | Turning radius | 3.775 mm |
| B | Articulation angle | 40° |
| C | Wheelbase | 2.000 mm |
| D | Track width | 1.550 mm |
| E | Ground clearance | 450 mm |
| F | Overall height | 2.640 mm |

Dimensions – with fork tines

| | | |
|---|--------------------------------------|----------|
| G | Max. stacking height | 2.995 mm |
| H | Max. reach | 1.315 mm |
| J | Height of fork at max. reach | 1.410 mm |
| | Max. tipping load, straight ISO 8313 | 2.900 kg |
| | Max. tipping load, articulated | 2.500 kg |
| | Max. payload as per EN 474-3, 80% | 2.000 kg |
| | Max. payload as per EN 474-3, 60% | 1.550 kg |

(Fork carrier and tines in standard version. When using with fork carrier and tines, use of bolt-on counterweight is recommended)

Working values – use of buckets *

| Bucket type | | Universal bucket | | Lightmaterial bucket | | Universal bucket (4-in-1) | Highdump bucket |
|-------------------------------------|------------------|------------------|-------|----------------------|-------|---------------------------|-----------------|
| | | 0,8 | 0,9 | 1,0 | 1,25 | | |
| Bucket (contents heaped) | m ³ | 0,8 | 0,9 | 1,0 | 1,25 | 0,75 | 1,25 |
| Dumping weight | t/m ³ | 1,8 | 1,6 | 1,4 | 1,1 | 1,8 | 0,9 |
| Bucket weight without teeth | kg | 335 | 380 | 380 | 410 | 660 | 700 |
| Stat. tipping load, straight | kg | 3.750 | 3.715 | 3.670 | 3.620 | 3.200 | 2.980 |
| Stat. tipping load, 40° articulated | kg | 3.250 | 3.195 | 3.140 | 3.100 | 2.720 | 2.530 |
| Max. breakout force | kN | 48,6 | 48,6 | 43,9 | 38,0 | 41,3 | 24,2 |
| Max. lifting capacity | kN | 38,7 | 38,7 | 38,6 | 38,4 | 37,7 | 35,6 |
| Operating weight | kg | 4.880 | 4.925 | 4.925 | 4.955 | 5.205 | 5.245 |
| a Reach at 45° | mm | 890 | 890 | 915 | 1.000 | 930 | 1.290** |
| b Dumping height at 45° | mm | 2.555 | 2.555 | 2.485 | 2.400 | 2.440 | 3.940** |
| c Height bucket top edge | mm | 4.090 | 4.160 | 4.100 | 4.220 | 4.030 | 5.140 |
| d Digging depth | mm | 105 | 105 | 130 | 130 | 140 | 135 |
| e Height bucket transport | mm | 370 | 370 | 370 | 330 | 370 | 370 |
| f Overall length | mm | 5.395 | 5.370 | 5.465 | 5.530 | 5.515 | 5.845 |
| g Bucket width | mm | 1.950 | 2.050 | 2.100 | 2.100 | 2.000 | 2.100 |
| r2 Turning radius over bucket | mm | 4.210 | 4.260 | 4.325 | 4.350 | 4.250 | 4.650 |

* All data with 405/70 R18 SPT9 tyres

** at max. dump angle

TECHNICAL DATA



ENGINE

| | |
|---------------------------|--|
| Type | Komatsu 4D 98E |
| Horsepower | 42,5 kW/58 PS (ISO 9249) |
| at engine speed | 2.500 rpm |
| Torque/engine speed | max. 210 Nm/1.600 rpm |
| No. of cylinders | 4 |
| Bore/stroke | 98/110 mm |
| Displacement | 3.318 cc. |
| Type of combustion | Direct injection |
| Cooling system | Dual circuit, liquid coolant, thermostat-controlled |
| Electrical system | 12 V |
| Battery | 1 × 12 V, 92 Ah |
| Alternator | 80 A |
| Air filter type | Dry air filter with pre-filter and safety cartridge |



TRANSMISSION

Hydrostatic transmission, capable of gear shifting in all directions under full power.

| | |
|------------------------|--------------|
| Gears | |
| Forwards/reverse | 2/2 |
| Travel speeds | |
| 1st gear | 0 - 7,5 km/h |
| 2nd gear | 0 - 20 km/h |
| Option | 0 - 30 km/h |



CHASSIS AND TYRES

| | |
|--------------------------|---|
| System | 4-wheel drive |
| Axles | Planetary rigid axles with automatic limited-slip differential in both axles |
| Articulation | Articulated/oscillating joint |
| Articulation angle | +/- 12° |
| Tyres | 405/70 R18 SPT 9 (standard) |
| | 335/80 R20 SPT 9 |
| | 12,5 - 20 MPT |
| | 14,5 - 20 MPT |
| | 365/80 R20 SPT 9 |
| | 375/75 R20 XM 27 TL, Michelin |
| | 405/70 R20 PG 75 R, Dunlop |
| | 405/70 R20 SPT 9, Dunlop |



STEERING SYSTEM

| | |
|---|---|
| System | Articulated frame steering |
| Type | Hydrostatic steering (closed center) |
| Steering angle to either side | 40° |
| Steering pump | Gear pump |
| Working pressure | 175 bar |
| Minimum turning radius (outer corner of tyre) | 3,77 m |



BRAKES

| | |
|------------------------|--|
| Operating brakes | combined inch brake pedal actuates brakes on all four wheels maintenance-free via the hydrostatic drive. Axle-integrated, oil-bath submerged multiple-disc brakes. |
| Parking brake | Mechanically-operated, oil-bath submerged multiple-disc brake. |



HYDRAULIC SYSTEM

| | |
|--|-------------------------|
| System | Closed hydraulic system |
| Working pressure | 205 bar |
| Circulating capacity of the hydraulic pump | 64 l/min |
| Lifting time | 4,9 s |
| Lowering time | 2,6 s |
| Dumping time | 1,0 s |



SERVICE REFILL CAPACITIES

| | |
|--|---------|
| Fuel tank | 90 l |
| Engine cooling system | 12,25 l |
| Engine oil | 9,4 l |
| Attachment, steering and motive power hydraulics | 95,0 l |
| Front axle | 6,1 l |
| Rear axle with transmission gears | 6,5 l |