Main dimensions
Total length 9 680 mm (381")
Width without bucket 2 485 mm (98")
Maximum width 2 550 mm (100")
Std. height with safety canopy or cabin 2 395 mm (94")
Opt. height with safety canopy or cabin 2 515 mm (99")

Weights
Operating weight 26 200 kg (57 760 lb)
Total loaded weight 36 200 kg (79 800 lb)
Shipping weight 26 000 kg (57 320 lb)
Axle weights without load:
front axle 11 700 kg (25 800 lb)
rear axle 14 500 kg (31 970 lb)
Axle weights with load:
front axle 27 050 kg (59 600 lb)
rear axle 9 150 kg (20 200 lb)

Capacities
Tramming capacity 10 000 kg (22 000 lb)
Breakout force, lift 184 kN (18 800 kg) (41 400 lb)
Breakout force, tilt 163 kN (16 600 kg) (36 600 lb)
Tipping load 23 400 kg (51 600 lb)
Bucket std. 4,6 m³ (6.0yd³), HB500/400

Bucket motion times
Raising time 7.5 sec.
Lowering time 4.0 sec.
Tipping time 2.2 sec.

Driving speeds forward and reverse
1st gear 5.0 km/h (3.1 mph)
2nd gear 9.2 km/h (5.7 mph)
3rd gear 15.2 km/h (9.4 mph)
4th gear 26.5 km/h (16.5 mph)

Frame
Rear and front frame Welded steel construction
Material Raex 384 (St 52-3)
Central hinge Adjustable upper bearing
Material Raex 384 (St 52-3)

Standard engine
Detroit S-50 DDEC IV
Output 187 kW (250 hp) / 1800-2100 r/min
Torque 1085 Nm/1350 r/min
Number of cylinders in line 4
Displacement 8 500 cm³
Cooling system Water cooled
Combustion principle 4-stroke/turbo, intercooler
Electric system 24V
Air filtering Donaldson
Exhaust system Catalytic purifier and muffer
Fuel tank capacity 310 l (80 gal.)

Standard converter and gearbox
Dana SOH, MHR33425

Standard axles
Front axle Dana SOH, 19D 2748 Posi-Stop, with Posi-Torq differentials, fixed
Rear axle Dana SOH, 19D 2748 Posi-Stop, with Posi-Torq differentials, oscillating ± 8°. Oscillation with roller bearings

Standard Canopy
ROPS / FOPS certified canopy.
Height 2395 mm (94")

Steering hydraulics
Full hydraulic, centre-point articulation, power steering with two double acting cylinders. Steering controlled by stick. Interlock protection. Emergency steering is optional.
Turning angle ±42.5°
Turning radius with std bucket inner 3270 mm (129")
Turning radius with std bucket outer 6515 mm (256")

Standard Canopy
AIR FILTER: Donaldson

Main components in steering system:
Main valve Rexroth
Servo control valve Rexroth
Steering cylinders 2 pcs, 125 mm (4.9")
Steering and servo hydraulic piston type, Rexroth
Pumps
Pressure settings:
Steering hydraulics, main relief valve 12.0MPa(120 bar)
Shock load valves 18.0MPa(180 bar)

Bucket hydraulics
Monostick bucket and boom control (hydraulic). The bucket hydraulics has two pumps. One is for the servo circuit and other delivers oil to the bucket hydraulic main valve. The oil flow from steering hydraulic pump is directed to bucket hydraulics when steering is not used.

Main components:
Main valve Rexroth
Servo control valve Rexroth
Pump for bucket hydraulics Piston type, Rexroth
Fittings ORFS

Pressure setting for:
Servo circuit 3.5 MPa (35 bar)
Bucket hydraulics 25 Mpa (250 bar)
Shock load valves 28 MPA (280 bar)

Hydraulic oil tank capacity appr. 250 l (66 gal)
Standard brakes
Service brakes are spring applied, hydraulically released
multidisc wet brakes (Posi-Stop) on all wheels, two separate
circuits for the front and rear axle. Service brakes also
function as an emergency and parking brake. Electrically
driven pump for brake releasing.
Main components in the brake system:
- Pressure accumulator
- Brake pedal valve
- Charging valve

Standard Lubrication system
Centralized manual lubrication,
dog bone pins with grease chamber

Electrical equipment
- Alternator: 70 A
- Batteries: 2 x 12 V
- Starter: 9 kW
- Driving and working lights: front, 4 pcs (H1 55 W),
  rear, 4 pcs (H1 55 W)
- Electrical gauges: fuel gauge, signal light for hydraulic oil
  level

Others
- Fire audited.
- Decal language ENG/FIN/SWE/RUS/SPA/DEU/FRA.

Standard manuals
- 3pcs Spare part manual:
  - Operation instructions: main European languages
  - Maintenance instructions: main European languages
  - Engine spare part information: English
  - Machine spare part information: English
- Workshop manual:
  - Operation instructions: main European languages
  - Maintenance instructions: main European languages
  - Engine workshop manual: Original
  - Power train components manual: Original
  - Optional equipment instructions: English

Optional equipment
- * replaces standard equipment
- * Deutz BF6M1013-ECP, 182 kW/2100 r/min (247 hp)
- * Bucket size 4.0 m³ (5.2 yd³), width 2550 mm (100"),
  HB500/400.
- * Bucket size 5.0 m³ (6.5 yd³), width 2550 mm (100"),
  HB500/400.
- * Bucket size 5.4 m³ (7.0 yd³), width 2550 mm (100"),
  HB500/400.
- * Ejector bucket size 4.6 m³ (6.0 yd³), width 2770 mm (109"),
  HB500/400.
- * ROPS/FOPS safety cabin incl. air cond., Electric steering &
  bucket & boom controls with sticks, height 2395 mm (94")
- * Automatic central lubrication.
- * Tyre 23.5" 25 LS/BS.
- Automatic gear shift control.
- Fire suppression system ANSUL, two tank system with 8
  nozzles (CEN).
- Fire extinguisher 12 kg (CEN).
- Additional spare part manual.
- Additional workshop manual.
- Cat Base spare part manual.
- TORO RRC system, complete.
- RRC interface (TORO std.).
- RRC recovery kit, hook incl.
- Automatic brake activation ABA.
- Ride control system for boom.
- Load weighing device, Tamtron PKV 200
- Emergency steering (CEN).
- Exhaust pipe covering, GREY SLEEVE (CEN).
- HTI covered Turbo.
- HTI covered exhaust manifold.
- Auto engine shut down, ANSUL / DDEC.
- Hydraulic oil fill up pump (through filter).
- Repair kit for hydraulic pipes.
- Spare wheel 18.00*25LS/BS.
- Spare rim (18.00*25).
- Accordance with CE-norms (CEN).
- Disassembly needed shaft dim: _____ mm x _____ mm.