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#### Main dimensions

Total length	10 220 mm (402")
Total width	3 220 mm (127")
Height	2 720 mm (107")
Max. height of the box	2 960 mm (117")

#### Weights

Operating weight	32 500 kg (71 650 lb)
Total loaded weight	82 500 kg (181 880 lb)
Axle weights without load:	
front axle	23 200 kg (51 150 lb)
rear axle	9 300 kg (20 500 lb)
Axle weights with load:	
front axle	36 800 kg (81 130 lb)
rear axle	45 700 kg (100 750 lb)

#### Capacities

Payload capacity*	50 000 kg (110 232 lb)
Box std.	20.0 m <sup>3</sup> (26yd <sup>3</sup> )

#### Dump box movements

Discharging time	16,5 sec
Dumping angle	62°

#### Driving speeds forward and reverse

1st gear	6.1 km/h (3.8 mph)
2nd gear	8.0 km/h (5.0 mph)
3rd gear	11.0 km/h (6.8 mph)
4th gear	14.5 km/h (9.0 mph)
5th gear	19.2 km/h (11.9 mph)
6th gear	25.5 km/h (15.8 mph)
7th gear	35.0 km/h (21.7 mph)
Reversing with 1st and 3rd gear	

#### Frame

Rear and front frame	Welded steel construction, Box constructed
Material	Raex 384 (St 52-3)
Central hinge	Adjustable lower bearing
Firewall	

#### Standard engine

Diesel engine	Detroit S-60 DDEC IV
(Euro Stage II / Tier II)	
Output	392 kW / 2100 rpm (525 hp)
Torque	2373 Nm / 1350 RPM
Number of cylinders	in line 6
Displacement	14 000 cm <sup>3</sup>
Cooling system	Water cooled
Combustion principle	Direct injected, turbo + inter cooler, 4- stroke
Air filtering	Donaldson
Exhaust system	HTI covered exhaust manifold & turbo.
Fuel tank capacity	700 l (185 gal.)

#### Standard converter

Dana SOH, CL 8672	One stage, Offset 1.00:1
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#### Gearbox

Dana SOH 8821	Power shift transmission with electric remote shifting system
	Eight gears forwards and two reverse

#### Standard axles

Front axle	Dana SOH 21D 4354, oscillation ±13°.
Rear axle	Dana SOH, 21D 4354, fixed

#### Standard tyres

Size and type	29.5R25, Bridgestone
Air pressure	front 450 kPa (4.5 bar) (65 psi)
	rear 700 kPa (7.0 bar) (102 psi)

Other type of tyres available to user's choice. In certain applications the productive capabilities of the truck may exceed the TKPH value given by tyre manufacturer. Sandvik Tamrock recommend that the user consult their tyre supplier to evaluate conditions and to find the best solution for application.

#### Cabin

Safety canopy with electric gear shift control	
Height	2720 mm (107")

#### Steering hydraulics

Full hydraulic, center articulated, power steering with two double acting cylinders. Steering is equipped with load sensing Danfoss system and a steering wheel.

Turning angle	± 42.5°.
Turning radius, inner	4899 mm (193")
Turning radius, outer	9074 mm (357")

Main components in steering system:

Steering pump	David Brown
Steering cylinders	Tamrock
Steering valves	Danfoss

Pressure setting for

steering hydraulic circuit	17.5 MPa (175 bar)
port relief valves	24.0 MPa (240 bar)

#### Box hydraulics

Full hydraulic servo controlled system, equipped with heavy-duty gear pump. Oil flow to box hydraulic system from the steering hydraulics. Oil flow from the servo circuit pump is divided also to the oil cooler motor and brake system.

Pressure setting for:

servo circuit	2,5 MPa (25 bar)
dump box hydraulics	21.0 MPa (210 bar)
port relief valves:	
piston end	25.0 MPa (250 bar)
piston rod end	10.0 MPa (100 bar)

Main components:

Cylinders for dump box	Tamrock
Valves for dump box	David Brown
Pump for dump box hydraulics	Commercial
Pump for servo circuit	David Brown
Fittings	ORFS
Hoses	High temperature

Oil cooler for hydraulic oil

Hydraulic oil tank capacity	appr. 350 liters (92 gal)
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#### Standard brakes

Service and emergency brakes are fully hydraulic Dana SOH liquid cooled brakes (LCB), two circuits for the service brakes and one for the emergency brake. Parking brake consists of two spring applied, hydraulically released drive line disc brake.

#### Standard Lubrication system

Centralized manual lubrication

#### Electrical equipment

Alternator	28 V 2*140 A, Bosch
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Batteries	2 pcs, 12 V 160 Ah
Starter	24 V
Driving and working lights,	
forward	2 pcs (H4 70W), 3 pcs (H1 70W)
reverse	5 pcs (H1 70W)
Electrical gauges	

#### Others

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
- \* Dump box capacity 19,0 m<sup>3</sup> (25 yd<sup>3</sup>), width 3260/3540mm, flat top.
- \* Dump box capacity 20,0 m<sup>3</sup> (26 yd<sup>3</sup>), width 3260/3540mm, flat top.
- \* Dump box capacity 20,0 m<sup>3</sup> (26 yd<sup>3</sup>), width 2960/3240mm, flat top.
- \* Dump box capacity 22,0 m<sup>3</sup> (29 yd<sup>3</sup>), width 2760/2980mm.
- \* Dump box capacity 24,0 m<sup>3</sup> (31 yd<sup>3</sup>), width 3260/3540mm.
- \* Dump box capacity 25,5 m<sup>3</sup> (33 yd<sup>3</sup>), width 3260/3540mm.
- \* Dump box capacity 28 m<sup>3</sup> (37 yd<sup>3</sup>), width 3260/3540mm.
- \* Ejector box, capacity 16.5m<sup>3</sup> (22 yd<sup>3</sup>).
- \* ROPS/FOPS safety cabin with air cond. And stereos, height 2720mm (107") (CEN).
- \* Automatic central lubrication.
- \* Posi-stop brakes.
- Automatic brake activation ABA.
- Auto engine shut down, Ansul/DDEC.
- Tail gate.
- Load weighing gauge.
- Load weighing device, Tamtron AWI 200.
- Electrical retarder TELMA.
- Exhaust brake "Jake Brake".
- Signal horn for dump box up.
- Blinkers, braking lights.
- Reverse blinkers and reverse horn.
- Signal lights for hydr.oil level, fuel level and dump box up.
- Emergency steering (CEN).
- Fire suppression system ANSUL, two tank system with 12 nozzles (CEN).
- Extinguisher 12kg.
- Additional spare part manuals.
- Additional workshop manuals.
- Cat Base spare part manual.
- Spare wheel 29.5\*25, Bridgestone VLTS E4.
- Spare rim (29.5R25).
- Shiftronics automatic gear shifting, lock up.
- Reverse camera.
- accordance with CE-norms (CEN)
- Disassembly needed shaft dim: \_\_\_\_\_ mm x \_\_\_\_\_ mm.