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Main dimensions

Total length	10 217 mm (402")
Total width	2 990 mm (118")
Height	2 670 mm (105")
Max. height of the box	2 760 mm (109")

Weights

Operating weight	30 700 kg (67 700 lb)
Total loaded weight	70 700 kg (155 900 lb)
Axle weights without load	
front axle	22 200 kg (49 000 lb)
rear axle	8 500 kg (18 700 lb)
Axle weights with load	
front axle	33 400 kg (73 600 lb)
rear axle	37 300 kg (82 200 lb)

Capacities

Payload capacity	40 000 kg (88 125 lb)
Box std.	18.0 m ³ (24yd ³)

Dump box movements

Discharging time	13 sec
Dumping angle	62°

Driving speeds forward and reverse

1st gear	6.0 km/h (3.7 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	19.0 km/h (11.8 mph)
6th gear	25.5 km/h (15.8 mph)
7th gear	35.0 km/h (21.7 mph)
8th gear	45.0 km/h (27.9 mph)
Reversing with 1st and 3rd gear	

Frame

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

Firewall

Standard engine

Diesel engine	Detroit S-60 DDEC IV
(Euro Stage II / Tier II)	
Output	354 kW / 2100 r/min (475 hp)
Torque	2102 Nm / 1350 rpm
Number of cylinders	in line 6
Displacement	12 700 cm ³
Cooling system	Water cooled
Combustion principle	Direct injected, turbo + inter cooler, 4- stroke
Air filtering	Donaldson
Exhaust system	HTI covered exhaust manifold & Turbo, Double wall exhaust pipe, Catalytic purifier and muffler
Fuel tank capacity	550 l (145 gal.)

Standard converter

Dana SOH, CL 8672	one stage, offset 1.118:1
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Gearbox

Dana SOH, 8821	Power shift transmission with electric remote shifting system, eight gears forwards and two reverse
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Standard axles

Front axle	Dana SOH, 21D 3847, oscillation ± 9°.
Rear axle	Dana SOH, 21D 3847, fixed

Standard tyres

Size and type	26.5R25, Bridgestone VALS E4
Air pressure:	front 550 kPa (5.5 bar) (80 psi)
	rear 700 kPa (7.0 bar) (101 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	2600 mm (102")

Steering hydraulics

Full hydraulic, center articulated, power steering with two double acting cylinders, turning angle ± 42.5°. Steering is equipped with load sensing Danfoss system and a steering wheel.

Turning radius, inner	4944 mm (195")
Turning radius, outer	9000 mm (354")

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.

Main components:

Cylinders for dump box valves	Tamrock
Valves for dump box	David Brown
Pump for dump box hydraulics	Commercial
Pump for servo circuit	David Brown
Fittings	ORFS
Steel piping hydraulics	
Oil cooler for hydraulic oil	
Hydraulic oil tank capacity	appr. 350 liters (92 gal)

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)

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	24 V 140 A, Bosch
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	fuel gauge

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 18,0 m³(24yd³),width 2960/3240mm, flat front.
- * Dump box capacity 19,0m³(25yd³),width 3260/3540mm, flat front.
- * Dump box capacity 20,0m³(26 yd³),width 2760/2980mm.
- * Dump box capacity 20,0m³(26yd³),width 2960/3240mm, flat front.
- * Dump box capacity 20,0 m³(26yd³),width 3260/3540mm, flat front.
- * Dump box capacity 22,0m³(29 yd³),width 2760/2980mm.
- * Ejector box, capacity 16.5 m³ (22 yd³).
- * ROPS/FOPS safety cabin with air cond. and stereos, height 2670mm (105") (CEN).
- * Automatic central lubrication.
- * Posi-stop brakes.
- Heater for cabin.
- Exhaust pipe covering, Grey Sleeve (CEN).
- Automatic brake activation ABA.
- Auto engine shut down, ANSUL / DDEC.
- Emergency steering (CEN).
- 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 box up.
- Fire suppression system ANSUL, two tank system with 12 nozzles (CEN).
- Fire extinguisher 12kg (CEN).
- Additional spare part manuals.
- Additional workshop manuals.
- Cat Base spare part manual.
- Spare wheel 26.5*25, Bridgestone VALS E4.
- Spare rim (26.5R25).
- Shiftronics automatic gear shifting, lock up.
- Reverse camera.
- Accordance with CE-norms (CEN).
- Disassembly needed shaft dim: _____ mm x _____ mm.