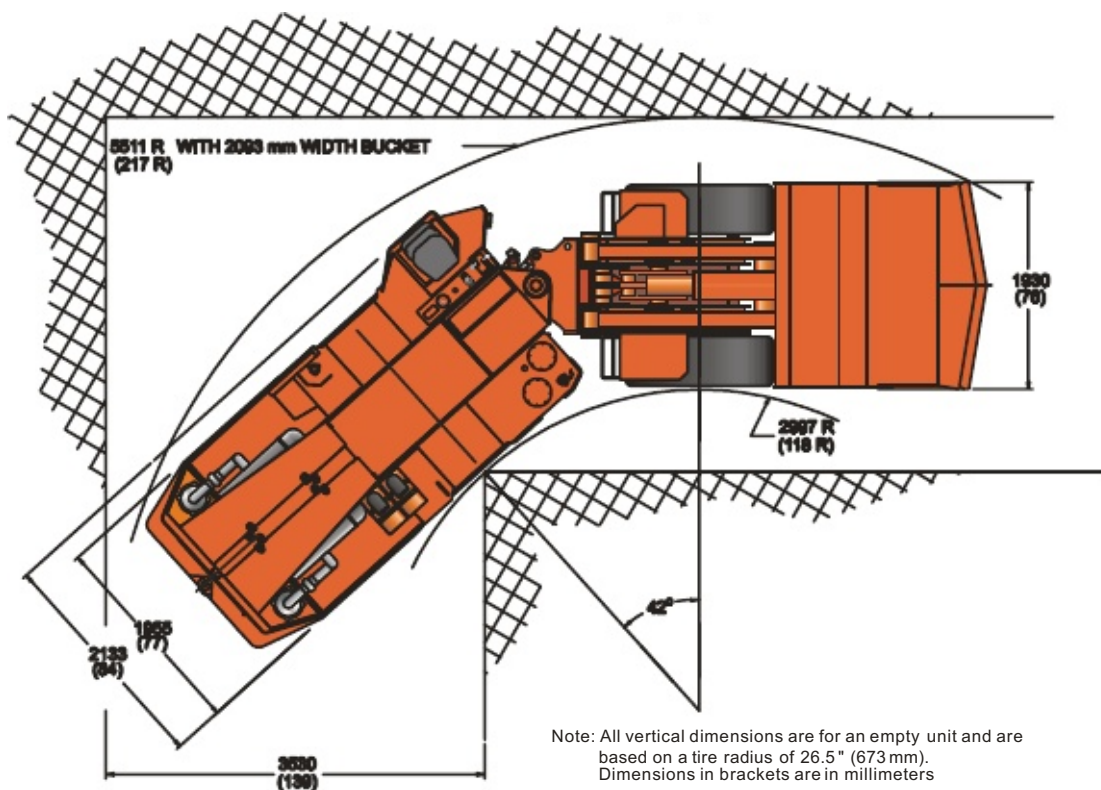
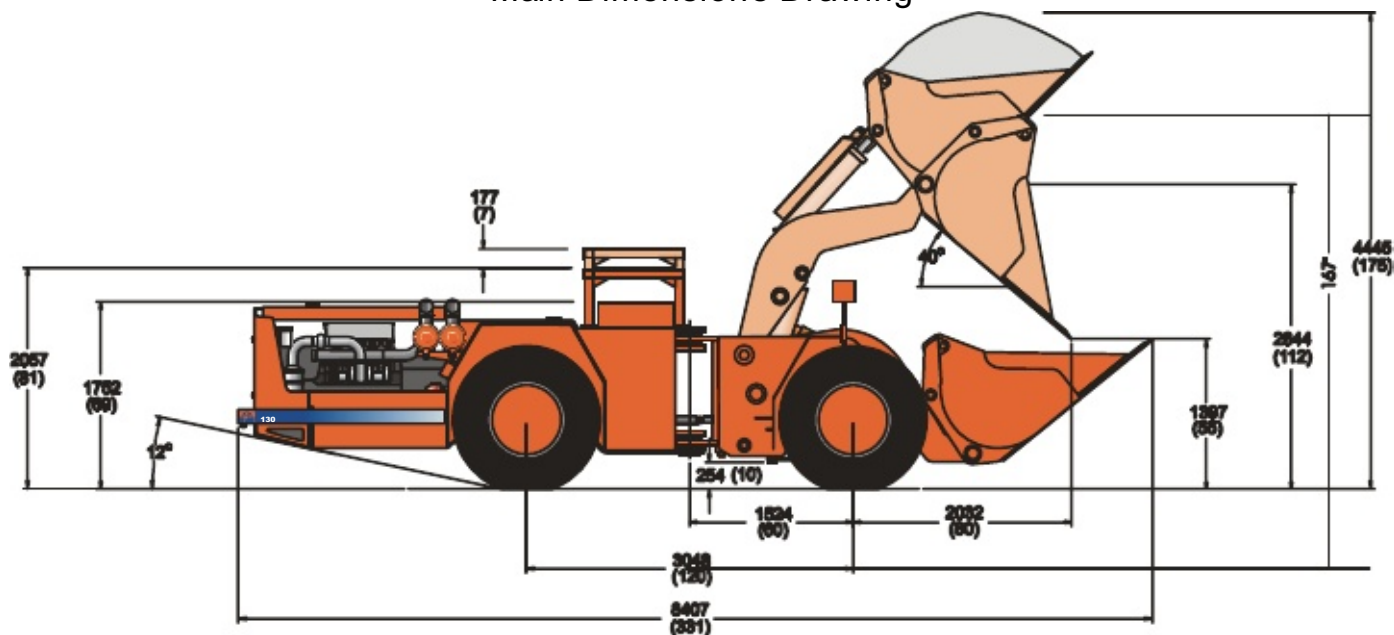


Main Dimensions Drawing


Note: All vertical dimensions are for an empty unit and are based on a tire radius of 26.5" (673 mm). Dimensions in brackets are in millimeters



Specification Sheet

<p>SANDVIK TAMROCK EJC Loaders Division EJC 130D</p>	<p>CUSTOMER: _____ P.O. NBR. _____ SHIP DATE _____</p>
<p>21/04/99</p>	
<p>STANDARD UNIT</p> <p>Deutz BF6M1013EC liquid cooled diesel engine, 185 hp (138 kW) Donaldson dry type air cleaner ECS catalytic exhaust purifier with silencer Clark modulated shift transmission Clark torque converter Clark axles with Posi-Stop brakes (incl. manual brake release) 17.5 x 25-20 PLY L5S tires 3.5yd3 (2.7m3) bucket with 500 BHN lip Pilot operated single lever joystick bucket control Pilot operated stick steer control Electric transmission controls Central hydraulic pressure test points Electric gauges 24-volt DC electrical system Central manual lube</p> <p>SAE type hose fittings Four (4) English parts manuals 4 operator and 4 service manuals</p> <p>BASE UNIT PRICE</p> <p>A1 = no impact on delivery time; A2 = delivery time on request</p> <p>OPTIONAL EQUIPMENT</p> <p><input type="checkbox"/> A1 * Deutz F8L-413FW diesel engine, 185 hp (138 kW) <input type="checkbox"/> A2 * Detroit diesel Series 40 rated at 190 hp (142 kW) <input type="checkbox"/> A1 * Caterpillar 3304 PCT rated at 165 hp (123 kW) <input type="checkbox"/> A2 * Clark Liquid Cooled brakes <input type="checkbox"/> A2 * Ejector bucket 3.5yd3 (2.7m3) 76"(1930mm) wide <input type="checkbox"/> A1 * 4 yd3 rock bucket <input type="checkbox"/> A1 * Automatic lubrication system (Lincoln Modular) <input type="checkbox"/> A2 * Fully enclosed operator's compartment with air conditioning</p> <p><input type="checkbox"/> A1 Altitude compensation For F8L-413FW <input type="checkbox"/> A1 SAE ROPS/FOPS canopy, Height 89" <input type="checkbox"/> A1 FOPS canopy, Height 82" <input type="checkbox"/> A1 Hydraulic/Brake systems guage panel (4 guages) <input type="checkbox"/> A1 Radio remote control (with receiver cover/cable and interface), Tamrock proportional <input type="checkbox"/> A1 Radio remote control interface <input type="checkbox"/> A1 Radio remote control fire suppression <input type="checkbox"/> A1 Hand held fire extinguisher 20 lb. <input type="checkbox"/> A2 Fire Suppression system, Ansul 8 nozzle, 2 resevoir <input type="checkbox"/> A1 Auto. fire suppression system, Ansul 8 nozzle (Checkfire II) <input type="checkbox"/> A1 Wheel chocks (2 pcs) <input type="checkbox"/> A1 Wheel chocks (4 pcs) <input type="checkbox"/> A1 Emergency steer system, accumulator <input type="checkbox"/> A1 Spare rim & tire (standard size) <input type="checkbox"/> A1 Spare rim</p> <p><input type="checkbox"/> A1 Additional spare parts manuals <input type="checkbox"/> A1 Additional workshop manuals <input type="checkbox"/> A1 CAT Base manuals</p>	
<p>(*) Replaces the standard equipment</p>	



Standard Unit

Main dimensions

Total length	8 407 mm (331")
Width without bucket	2 183 mm (84")
Maximum width	2 183 mm (84")
Height with safety canopy or cabin	2 057 mm (81")

Weights

Operating weight	16 497 kg (36 348 lb)
Total loaded weight	22 394 kg (49 348 lb)

Axle weights without load

front axle	6 599 kg (14 548 lb)
rear axle	9 888 kg (21 800 lb)

Axle weights with load

front axle	15 345 kg (33 831 lb)
rear axle	7 038 kg (15 517 lb)

Capacities

Tramming capacity	5 897 kg (13 000 lb)
Breakout force, lift	76 kN (7 711 kg) (17 000 lbf)
Breakout force, tilt	79 kN (8 074 kg) (17 800 lb)
Tipping load	17 690 kg (39 000 lb)

Buckets

Bucket motion times

Buckets	2.3 - 3.0 m ³ (3.0 - 4.0 yd ³)
Raising time	6.0 sec.
Lowering time	4.0 sec.
Tipping time	4.0 sec

Driving speeds forward and reverse

1st gear	5.7 km/h (3.4 mph)
2nd gear	11.3 km/h (7.0 mph)
3rd gear	19.7 km/h (12.2 mph)
4th gear	34.0 km/h (21.1 mph)

Frame

Rear and front frame	Welded steel box construction
Material	G40.21 - 44w
Central hinge	Welded steel box construction with hardened steel spherical bearings
Material	G40.21 - 44w

Tanks are welded to frame.

Standard engine

Diesel engine	Deutz BF6M 1013EC
Output	141 kW (190 Hp) @ 2 300 rpm
Torque	954 Nm (704 lbf-ft)@1 400 rpm
Number of cylinders	In line, 6
Displacement	7.14 l (436 in ³)
Cooling system	Liquid cooled
Combustion principle	Turbo charged, aftercooled, direct injected, 4 cycle

Air filtration	Donaldson, dry type
Electric system	24 V
Exhaust purification	ECS catalytic purifier

Standard converter

Clark C 273, single stage	Stall torque ratio: 3.095:1 Offset Ratio: 1.037:1
---------------------------	--

Transmission

Clark R32421	4-speed forward and reverse with modulation
--------------	---

Standard axles

Front axle	Clark 16D2149, no-spin differential, fixed
Rear axle	Clark 16D2149 standard differential, oscillating ± 10°.

Standard tires

Tire size	17.5 x 25, 20 PLY L5S
Type	Bridgestone
Air pressure, front	551 kPa (5.51 bar) (80 psi)
Air pressure, rear	551 kPa (5.51 bar) (80 psi)

Steering hydraulics

Full hydraulic power steering, center articulated with two double acting steer cylinders, open center system with a gear pump. Equipped with pilot operated control lever.

Turning radius (with std bucket):	
Right inner	2997 mm (118 ")
outer	5511 mm (217 ")
Turning angle	42.0 °

Main components in steering system:

Hydraulic pump	Commercial Shearing
Control valve	Commercial Shearing
Steering cylinders	EJC 3.5" bore x 2.0" rod (89 mm x 51 mm)

Pressure settings:

Main relief	17.2 MPa (172 bar) (2 500 psi)
Port relief valves	18.6 MPa (186 bar) (2700 psi)

Bucket hydraulics

Full hydraulic open-center system with one gear pump. Equipped with pilot operated joystick control lever, two lift cylinders and one dump cylinder.

Main components:

Lift cylinders	EJC 6.5" bore x 3.0" rod (165 mm x 76 mm)
Dump Cylinder	EJC 6.5" bore x 3.0" rod (165 mm x 76 mm)
Hydraulic pump	Commercial Shearing
Control valve	Commercial VG35

Pressure Settings:

Main relief	16.5 MPa (165 bar) (2300 psi)
Bucket dump	5.5 MPa (55 bar) (800psi)
Bucket roll back	17.2 MPa (172 bar) (2500 psi)
Lift arms raise/lower	17.2 MPa (172 bar) (2500 psi)
Pilot control	3.1 MPa (31 bar) (450 psi)
Hydraulic oil tank capacity	Appr. 303 l (80 gal)

Standard brakes

Service brakes are spring applied / hydraulically released, liquid cooled multi-disc brakes on all wheels, with two separate circuits for the front and rear axles. Service brakes also function as an emergency brake, when the emergency brake button is engaged.

Main components in the brake system:

Pressure accumulator	Berendsen bladder type
Brake pedal valve	Mico
Charging valve	Mico

Electrical equipment

Alternator	24 V 60 A, Delco-Remy 30 S
Batteries	2 x 12 V, 700 CCA
Starter	5 kW, 24 V, Bosch
Driving and working lights	4pcs front, 4pcs rear

Standard manuals (customer)

9 pcs Spare parts manuals	English
3 Operators manual	English
3 Service manual	English

Standard manuals (market area)

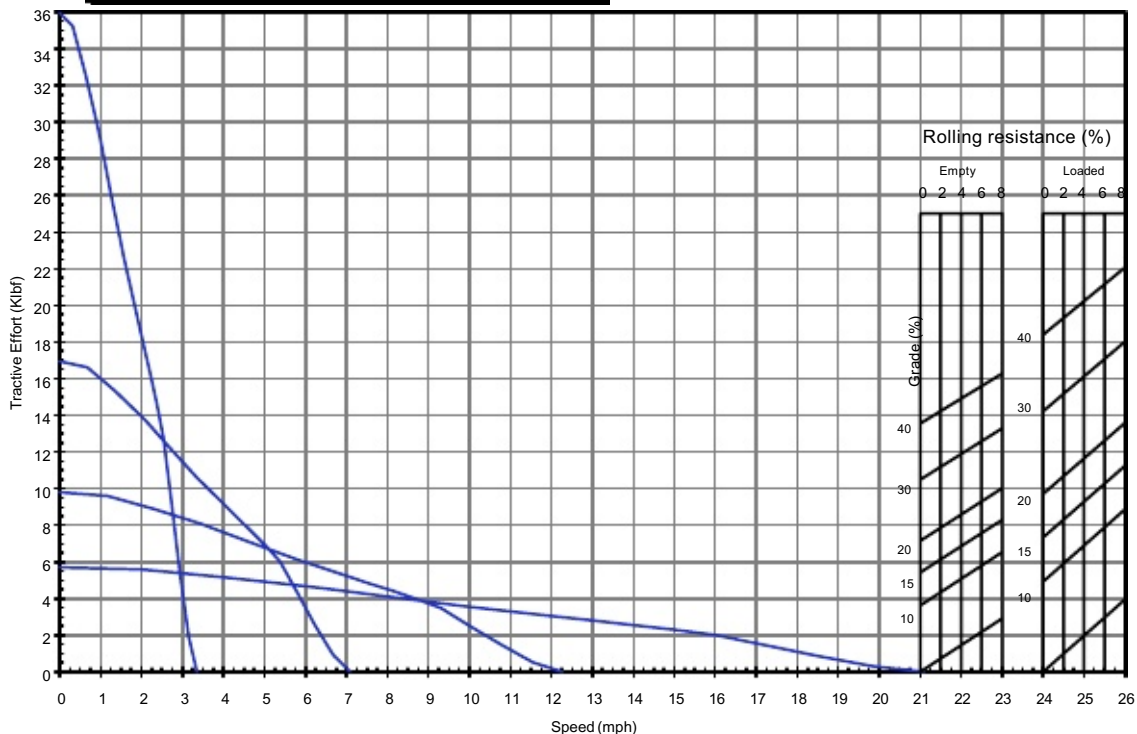
1 pcs Spare parts manuals	English
1 Operators manual	English
1 Service manual	English



Speeds On Grade

EJC 130 (Imperial Units)

ENGINE: DEUTZ F8L-413FW AXLES: 16D2149
 CONVERTER: CLARK C273 TIRES: 17.5 x 25, 20 PLY L5S
 TRANS: CLARK R32421 Payload (lbs): 13 000 lb



EJC 130 (Metric Units)

ENGINE: DEUTZ F8L-413FW AXLES: 16D2149
 CONVERTER: CLARK C273 TIRES: 17.5 x 25, 20 PLY L5S
 TRANS: CLARK R32421 Payload (lbs): 13 000 lb

