



EJC 65

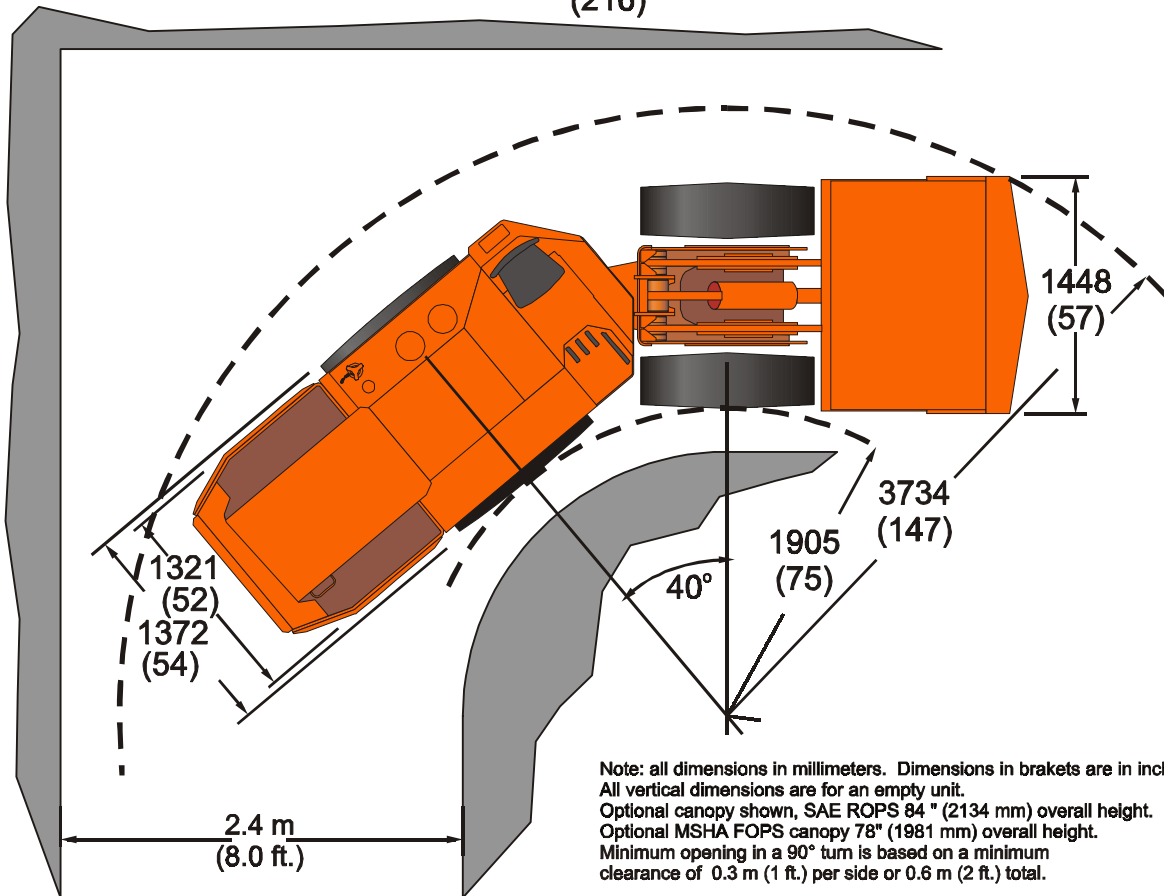
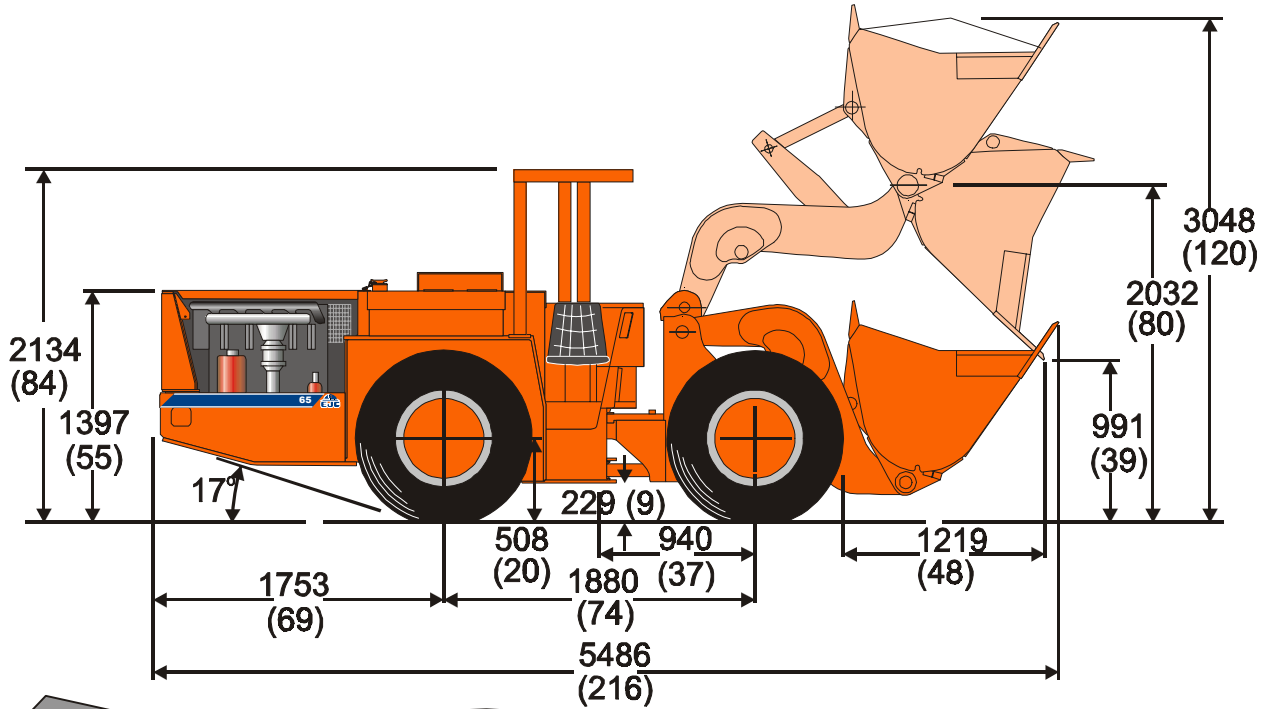
TECHNICAL SPECIFICATION

***UNIQUE ADAPTABILITY
CAPACITY: 6500 LBS (2900 KG)***





Main Dimensions



Note: all dimensions in millimeters. Dimensions in brackets are in inches.
 All vertical dimensions are for an empty unit.
 Optional canopy shown, SAE ROPS 84" (2134 mm) overall height.
 Optional MSHA FOPS canopy 78" (1981 mm) overall height.
 Minimum opening in a 90° turn is based on a minimum clearance of 0.3 m (1 ft.) per side or 0.6 m (2 ft.) total.





Specification Sheet

	<p>SANDVIK TAMROCK EJC Loaders Division EJC 65</p> <p>January 1, 2000</p>
	<p>STANDARD UNIT</p> <p>Deutz F5L-912W diesel engine, 68 hp (51kW) Donaldson dry type air intake ECS catalytic exhaust purifier Rexroth hydrostatic transmission Clark gear drive transfer case Dynamic service braking through hydrostatic transmission Clark axles 9.00 X 20-18 ply L5R tube type tires 1.5yd3 (1.2m3) bucket with 500 BHN lip Electro/mechanical two lever bucket control Electro/mechanical single lever steer control Electric gauges 24-volt DC electrical system Central manual lube SAE type hose fittings Four (4) English parts manuals 4 operator and 4 service manuals</p> <p>A1 = no impact on delivery time; A2 = delivery time on request</p> <p>OPTIONAL EQUIPMENT</p> <p>A1 * Fume diluter exhaust with purifier A2 * Ejector bucket 1.25yd3 (1.0m3) 56" (1422mm) wide A1 * Rock Bucket 1.7 yd3 (1.3m3) 56" (1422mm) wide</p> <p>A1 Altitude compensation kit for Deutz F5L-912W engine _____ft(meters) ____ Temperature A1 SAE, ROPS/FOPS canopy A1 MSHA FOPS canopy A1 Fire suppression system, Ansul 4 nozzle A1 Auto. fire suppression system, Ansul 4 nozzle (Checkfire II) A1 Hand held fire extinguisher 10 lb A1 Radio remote control (with receiver cover/cable and interface), Tamrock proportional A1 Radio remote control interface A1 Radio remote control fire suppression (Requires RRC and fire suppression system) A1 Back-up alarm, audible A1 Spare rim & tire, standard A1 Spare rim A1 Additional spare parts manuals A1 Additional workshop manuals</p> <p>(*) Replaces the standard equipment</p>





Standard Unit Specifications

Main dimensions

Total length	5 486 mm (216")
Width over tires	1 372 mm (54")
Maximum width	1 448 mm (57")
Height with canopy	2 134 mm (84")

Weights

Operating weight	6 759 kg (14 900 lb.)
Total loaded weight	9 706 kg (21 400 lb.)

Axle weights without load

front axle	2 327 kg (5 130 lb.)
rear axle	4 432 kg (9 770 lb.)

Axle weights with load

front axle	6 813 kg (15 021 lb.)
rear axle	2 893 kg (6 379 lb.)

Capacities

Tramming capacity	2 948 kg (6 500 lb.)
Breakout force, lift	37 kN (3 791 kg) (8 340 lbf)
Breakout force, tilt	46 kN (4 750 kg) (10 450 lbf)
Tipping load	6 468 kg (14 230 lb.)
Buckets	0.96 - 1.3 m ³ (1.25 - 1.73 yd. ³)

Bucket motion times

Raising time	6.5 sec.
Lowering time	4.3 sec.
Dumping time	3.0 sec.

Driving speeds forward and reverse

0 to 15.5 km/h (9.6 m.p.h.)

Frame

Frames	Welded steel box construction
Material	G40.21 - 50WT-CAT#3
Central hinge	Welded steel box construction with hardened steel spherical bearings

Material	G40.21 - 50WT-CAT#3
Lift arms	Solid plate construction
Material	G40.21 - 50WT-CAT#3
Tanks are welded to frame.	

Standard engine

Diesel engine	Deutz F5L-912W
Output	51 kW (68 Hp) @ 2300 rpm
Torque	229 Nm (169 lbf-ft) @ 1550 rpm
Number of cylinders	In line, 5
Displacement	4.7 l (287 in ³)
Cooling system	Air cooled
Combustion principle	Swirl chamber, four stroke
Air filtration	Donaldson, dry type
Electric system	24 V
Exhaust purification	ECS catalytic purifier

Transfer case

Clark	Gear drive 2.39:1
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Transmission

Rexroth AA4V56	Hydrostatic transmission with forward and reverse
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Standard axles

Front axle	Clark 12D0840, conventional differential, fixed.
Rear axle	Clark 12D0840, no-spin differential, fixed.

Centre articulation/oscillation 16°

Standard tires

Tire size	9.00 X 20, 18 PLY
Type	Michelin XMD2 tube type tires
Air pressure, front	517 kPa (5.17 bar) (75 psi)
Air pressure, rear	517 kPa (5.17 bar) (75 psi)

Steering hydraulics

Closed centre, fixed displacement gear. One double acting steer cylinder equipped with electro./mechanical control lever.

Turning radius (with std bucket):

Right	inner	1905 mm (75 ")
	outer	3734 mm (147 ")

Turning angle 40°

Main components in steering system:

Hydraulic pump	Gear
Control valve	Electro. / mechanical
Steering cylinders	EJC 3.5" bore x 1.75" rod (89 mm x 44 mm)

Pressure settings:

Main relief	15.2 MPa (152 bar) (2 200 psi)
Port relief valves	17.2 MPa (172 bar) (2 500 psi)

Bucket hydraulics

Full hydraulic open-centre system with one gear pump. Equipped with electro./mechanical control lever, two lift cylinders and one dump cylinder.

Main components:

Lift cylinders	EJC 4.0" bore x 2.0" rod (102 mm x 51 mm)
Dump Cylinder	EJC 6.5" bore x 3.5" rod (165 mm x 89 mm)
Hydraulic pump	Gear
Control valve	Electro. / mechanical

Pressure Settings:

Main relief	15.2 MPa (152 bar) (2200 psi)
Bucket dump	5.5 MPa (55 bar) (800psi)
Bucket roll back	17.2 MPa (172 bar) (2500 psi)
Raise/lower arms	17.2 MPa (172 bar) (2500 psi)
Hyd. oil tank cap.	Appro. 114 l (28 gal)

Standard brakes

Dynamic service braking through the hydrostatic transmission. The parking brake is a spring applied, hydraulically released dry disc brake mounted on the front axle pinion.

Main components in the parking brake system:

Pressure accumulator	Piston type with charge valve
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Electrical equipment

Alternator	24 V 35 A min.
Batteries	2 x 12 V, 950 CCA
Starter	24 V Heavy Duty
Driving and working lights	2 front, 2 rear

Standard manuals (customer)

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

Standard manuals (market area)

1 Spare parts manual	English
1 Operators manual	English
1 Service manual	English





Speeds on Grade

