



EJC 115

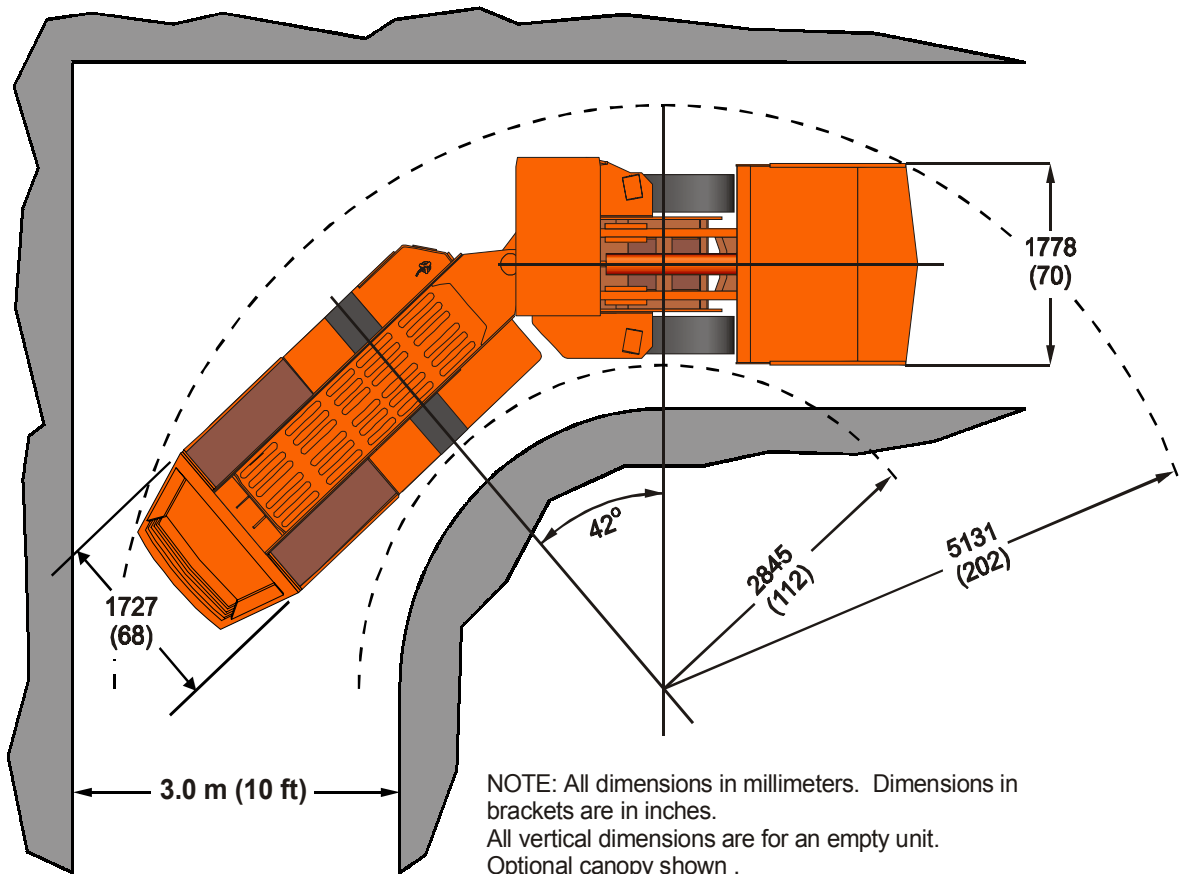
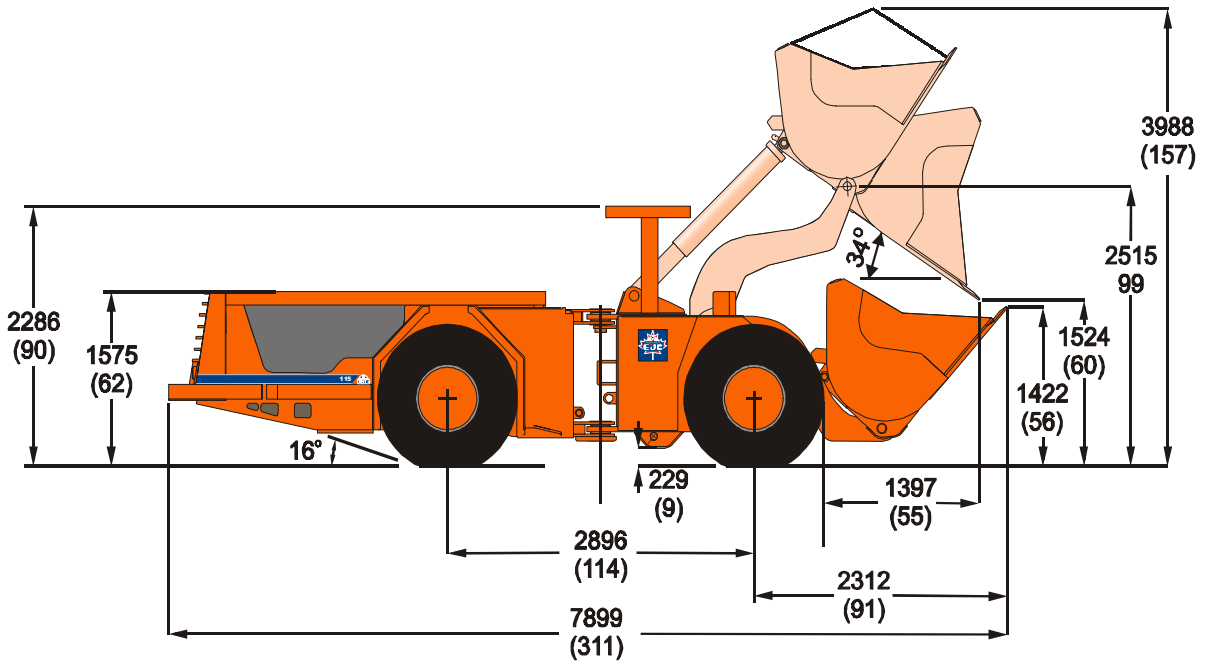
TECHNICAL SPECIFICATION

***LARGE CAPACITY IN A SMALL MACHINE SIZE
CAPACITY: 11500 LBS (5200 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 .





Specification Sheet

SANDVIK TAMROCK
EJC Loaders Division
EJC 115

CUSTOMER: _____
 P.O. NBR. _____
 SHIP DATE _____

4/21/99

STANDARD UNIT

Deutz BF4M 1013EC diesel engine rated at 140 hp (104 kW)
 Donaldson cyclopac two-stage dry type air cleaner
 ECS catalytic exhaust purifiers with silencers
 Clark modulated shift transmission
 Clark torque converter
 Clark axles with Posi-Stop brakes
 14:00 x 24-20 PLY L5S tires
 3.00 yd³ (2.3m³) 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
 SAE type hose fittings
 Four (4) English parts manuals
 4 operator and 4 service manuals

BASE UNIT PRICE

A1 = no impact on delivery time; A2 = delivery time on request

OPTIONAL EQUIPMENT

- A1 * Automatic lubrication system (Lincoln Modular)
- A2 * Ejector bucket 2.85yd³ (1.72m³) 65" (1651mm) wide
- A1 Altitude compensation kit for F6L-413FW (includes air cleaner and exhaust)
- A1 SAE ROPS/FOPS canopy
- A1 Fire suppression system, Ansul 8 nozzle
- A1 Auto. fire suppression system, Ansul 8 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 fire suppression system and RRC)
- A1 Back-up alarm, audible
- A1 Emergency steer system, accumulator
- A1 Hydraulic tow hook/brake release (LCBs)
- A1 Hydraulic tank manual fill
- A1 Spare rim & tire, standard
- A1 Spare rim
- A1 Additional spare parts manuals
- A1 Additional workshop manuals

(* Replaces the standard equipment)





Standard Unit

Main dimensions

Total length	7 899 mm (311")
Maximum width	1 778 mm (70")
Height without canopy	1 676 mm (66")
Height with canopy	2 286 mm (90")

Weights

Operating weight	12 700 kg (28 000 lb.)
Total loaded weight	17 916 kg (39 500 lb.)

Axle weights without load

front axle	5 352 kg (11 800 lb.)
rear axle	7 348 kg (16 200 lb.)

Axle weights with load

front axle	12 259 kg (27 026 lb.)
rear axle	5 658 kg (12 474 lb.)

Capacities

Tramming capacity	5 216 kg (11 500 lb.)
Break out force, lift	56 kN (5 727 kg) (12 600 lbf)
Break out force, tilt	68.5 kN (6992 kg) (15 400 lbf)
Tipping load	15 890 kg (35 000 lb.)
Standard Bucket	2.3 m ³ (3.0 yd ³)

Bucket motion times

Raising time	5.0 sec.
Lowering time	3.5 sec.
Dumping time	5.0 sec

Driving speeds forward and reverse

1st gear	5.1 km/h (3.2 m.p.h.)
2nd gear	9.8 km/h (6.1 m.p.h.)
3rd gear	16.3 km/h (10.1 m.p.h.)
4th gear	26.4 km/h (16.4 m.p.h.)

Frame

Rear and front frame	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
Tanks are welded to frame.	

Standard engine

Diesel engine	Deutz BF4M 1013EC
Output	104 kW (140 Hp) @ 2 300 rpm
Torque	516 Nm (390 lbf-ft) @ 1 400 rpm
Number of cylinders	In line, 4
Displacement	4.76 l (290.5 in ³)
Cooling system	Liquid cooled
Combustion principle	Turbo charged, after cooled, direct injected, 4 cycle
Air filtration	Donaldson, dry type
Electric system	24 V
Exhaust system	ECS catalytic purifier with silencer

Standard converter

Clark C 272, single stage	Stall torque ratio: 2.87:1
	Offset Ratio: 0.885:1

Transmission

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

Front axle	Clark 14D2149, No-Spin differential, fixed.
Rear axle	Clark 14D2149, No-Spin differential, oscillating $\pm 10^\circ$.

Standard tires

Tire size	14:00 X 24, 20 PLY L5S
Air pressure, front	552 kPa (5.52 bar) (80 psi)
Air pressure, rear	552 kPa (5.52 bar) (80 psi)

Steering hydraulics

Full hydraulic power steering, centre articulated with one double acting steer cylinder, closed centre system with gear pump. Equipped with pilot operated control stick.

Turning radius (with std bucket):

Right	inner	2 845 mm (111 ")
	outer	5 131 mm (202 ")

Turning angle	42 ^o
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Main components in steering system:

Hydraulic pump	Gear pump
Control valve	Pilot operated
Steering cylinders	EJC 125 mm bore x 50 mm rod
Pressure settings:	
Main relief	16.5 MPa (165 bar) (2 400 psi)
Port relief valves	15.2 MPa (152 bar) (2 200 psi)

Bucket hydraulics

Full hydraulic open-centre system with one gear pump. Equipped with pilot operated joystick control lever.

Main components:

Lift cylinders	EJC 160 mm bore x 90 mm rod
Dump Cylinder	EJC 165 mm bore x 90 mm rod
Hydraulic pump	Gear pump
Control valve	Pilot operated

Pressure Settings:

Main relief	16.5 MPa (165 bar) (2 400 psi)
Bucket dump	5.5 MPa (55 bar) (800psi)
Bucket roll back	13.8 MPa (138 bar) (2 000 psi)
Lift arms raise	17.9 MPa (179 bar) (2 600 psi)
Lift arms lower	17.9 MPa (179 bar) (2 600 psi)
Hyd. oil tank capacity	Approx. 181 l (48 gal)

Standard brakes

Service brakes are spring applied / hydraulically released, liquid cooled multi-disc brakes on all wheels. Service brakes also function as an emergency brake, when the emergency brake button is engaged.

Main components in the brake system:

Pressure accumulator	Piston type with charge valve
Brake pedal valve	Modulated

Electrical equipment

Alternator	24 V 60 min.
Batteries	2 x 12 V, 950 CCA
Starter	5 kW, 24 V
Lights	4pcs front, 4pcs rear

Standard manuals (customer)

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

Standard manuals (market area)

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





Speeds On Grade

