



EJC 115 ELECTRIC

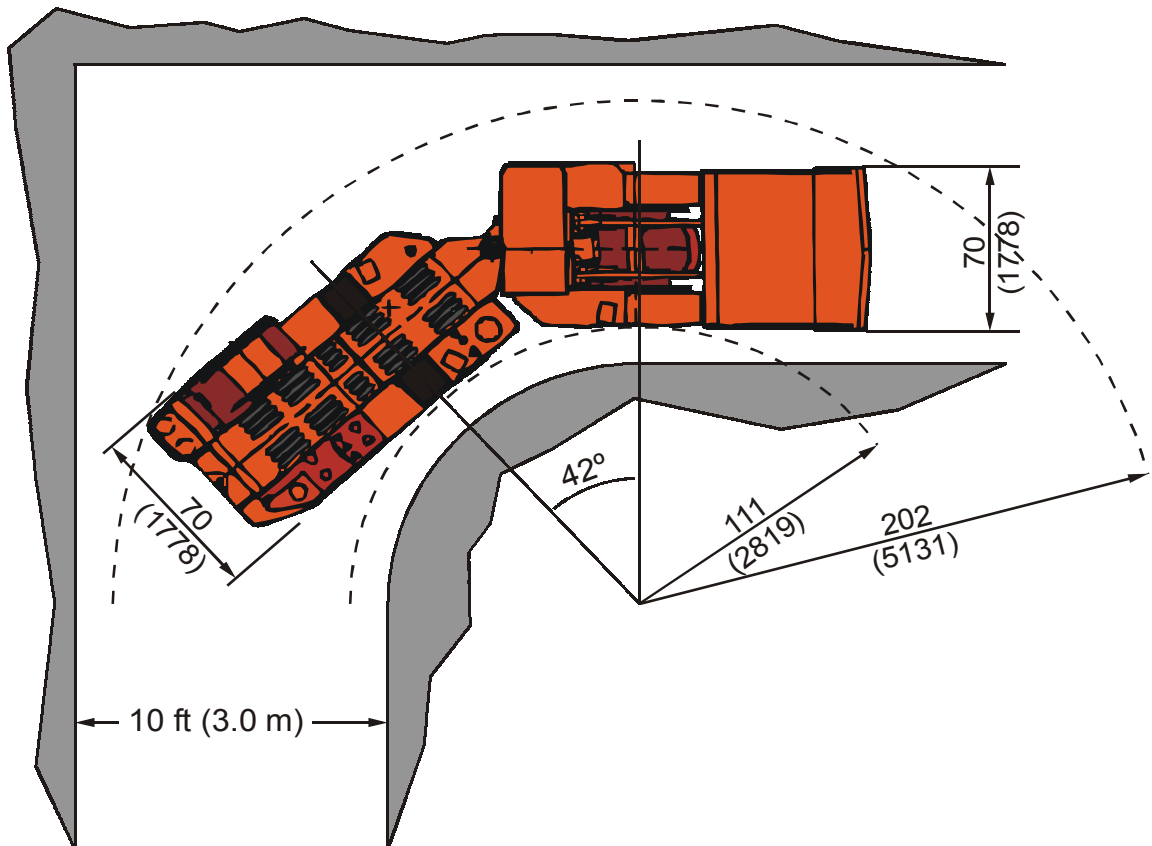
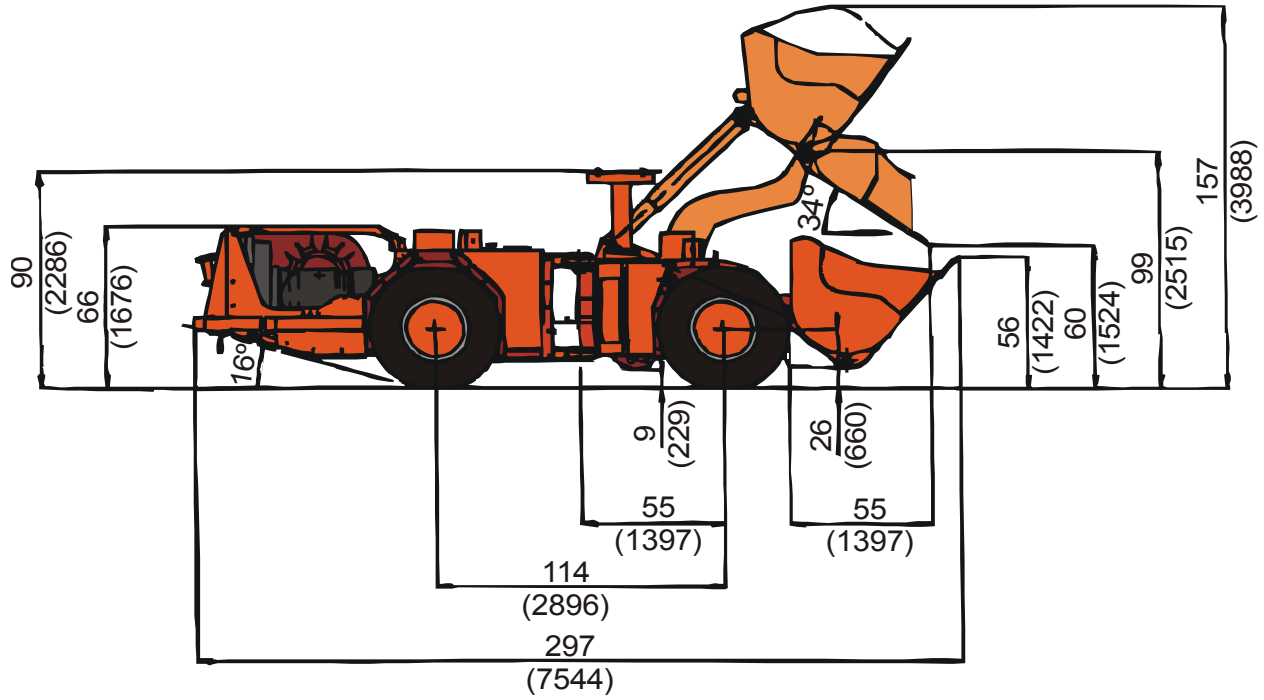
TECHNICAL SPECIFICATION

A RELIABLE ALTERNATIVE FOR MINIMUM VENTILATION APPLICATIONS
CAPACITY: 11500 LBS (5200 KG)





General Dimensions



Revision Date: 4/4/01
 Sandvik-Tamrock reserves the right to change this specification without notice



Tamrock Loaders Inc.
 4445 Fairview Street, Burlington
 Ontario, Canada L7L 2A4
 Tel.: (905) 632-4940
 Fax: (905) 639-0876



Specification Sheet

SANDVIK TAMROCK
EJC Loaders Division
EJC 115E

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

STANDARD UNIT

600V, TEAO motor, 60 Hz, 100 hp (75 kW)
 Cable reel, self winding type, c/w automatic
 tension control, level wind & low cable shutdown
 ** 600 ft (182m) of #4 type GGC cable
 Clark modulated shift transmission
 Clark torque converter
 Clark axles with Posi-Stop brakes
 14:00 x 24-20 PLY L5S tires
 3.00yd3 (2.3m3) bucket with 500 BHN lip
 Pilot operated single lever joystick bucket control
 Pilot operated stick steer control
 Electric transmission controls
 Electric gauges
 24-volt DC electrical system
 Central manual lube
 SAE type hose fittings
 Combination control box & connectors
 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 * ** 50 Hz, 100 hp (75kw) electric motor (specify voltage)
- A1 * Automatic lubrication system (Lincoln Modular)
- A2 * Ejector bucket 2.85yd3 (1.72m3), 65" (1651mm) wide
- 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 tank manual fill
- A1 Spare rim & tire, standard
- A1 Spare rim
- A1 Additional spare parts manuals
- A1 Additional workshop manuals

* Replaces the standard equipment
 ** Voltage rating will affect cable length and "AWG" size





Standard Unit

Main dimensions

Total length	7 544 mm (297")
Maximum width	1 778 mm (70")
Height without canopy	1 676 mm (66")
Height with safety canopy	2 286 mm (90")

Weights

Operating weight	14 061 kg (31 000 lb.)
Total loaded weight	19 278 kg (42 500 lb.)

Axle weights without load

front axle	4 818 kg (10 600 lb.)
rear axle	9 273 kg (20 400 lb.)

Axle weights with load

front axle	11 929 kg (26 300 lb.)
rear axle	7 364 kg (16 200 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	76.1 kN (7 773 kg) (17 100 lbf)
Tipping load	18 735 kg (41 304 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	3.2 km/h (2.0 m.p.h.)
2nd gear	6.6 km/h (4.1 m.p.h.)
3rd gear	11.4 km/h (7.1 m.p.h.)
4th gear	19.5 km/h (12.1 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.	

Motor

Type	AC induction type TEAO, 3 phase
Output	100 HP (75 kW)
Voltage	600 V
Frequency	60 Hz
Speed	1750 rpm
Insulation class	F

Standard converter

Clark C 272, single stage	Stall torque ratio: 2.87:1 Offset Ratio: 1.115:1
---------------------------	---

Transmission

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

Standard axles

Front axle	Clark 14D2149, Posi-Torque differential, fixed.
Rear axle	Clark 14D2149, Posi-Torque differential, oscillating $\pm 10^\circ$.

Standard tires

Tire size	14:00 X 24, 20 PLY L5S
Type	Bridgestone
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 accumulator reserve, and gear pump. Equipped with pilot operated control stick.

Turning radius (with std bucket):

Right	inner	2 870 mm (113 ")
	outer	5 004 mm (197 ")

Turning angle 42^o

Main components in steering system:

Hydraulic pump	Gear pump
Control valve	Pilot Operated
Steering cylinders	EJC 125 mm x 50 mm
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 x 90 mm
Dump Cylinder	EJC 160 mm x 90 mm
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	22.0 MPa (220 bar) (3 200 psi)
Lift arms raise	17.9 MPa (179 bar) (2 600 psi)
Lift arms lower	17.9 MPa (179 bar) (2 600 psi)
Hydraulic oil tank capacity	Appro. 181 l (48 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	Piston type with charging valve
Brake pedal valve	Modulated

Electrical equipment

Alternator	24 V 60 A min.
Batteries	2 x 12 V, 950 CCA
Driving and working lights	4 front, 4 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

