

The Snorkelift TB 42/420/50 is a boom-supported elevating work-platform built to conform to the following standards:

OSHA Paragraph 1910.67 Title 29, C.F.R. Vehicle-Mounted Elevating and Rotating Work Platforms - Labor.

OSHA Paragraph 1926.556 Title 29, C.F.R Aerial Lifts - Construction.

ANSI Standard A92.5-1992 Boom-Supported Elevating Work Platforms.

CSA Standard CAN3-B354.4-M82, Boom-type Elevating Work Platforms.

■ GENERAL SPECIFICATIONS: TB 42

Working height (nominal) 48 ft - 0 in (14.6 m)
 Platform height (maximum) 42 ft - 0 in (12.8 m)
 Platform reach (maximum) 33 ft - 0 in (10.1 m)
 Length
 (booms down and retracted) ... 23 ft - 6.3 in (7.2 m)
 Width..... 7 ft - 11.5 in (2.4 m)
 Height
 (booms down and retraced) 7 ft - 9.5 in (2.4 m)
 Wheelbase 8 ft - 0 in (2.4 m)
 Ground clearance..... 10 in (25 cm)
 Weight (approximate)..... 10,500 lbs (4,763 kg)
 Ground bearing strength 54 psi (373 kPa)
 Wheel loading, single, max. 5,500 lbs (2,495 kg)
 Boom elevation +75°/-18° to horizontal
 Gradeability 25%

Travel speeds:

booms down and retracted ... 3.0 mph (4.8 km/hr)
 booms up and/or extended 1 mph (1.6 km/hr)

Turning radius, inside..... 5 ft - 2 in (1.6 m)

Tires..... 12 x 16.5 (30.5 x 42 cm), 10 ply

Electrical system... 12 V dc (neg. chassis ground)

Environmental operating ranges:

ambient air temperature 0°F to +110°F
 (-18°C to +43°C)

wind speed (maximum gust
 or continuous) 28 mph (45 km/hr)

Fuel tank capacity:

standard gasoline
 or diesel 20 gal USA (75.7 liters)

optional LPG 43.5 lbs USA (20 kg)

Hydraulic oil tank capacity 16 gal USA (60 liters)

Maximum hydraulic oil temperature
 (at tank) 200°F (93°C)

Hydraulic oil system
 capacity 25 gal USA (94.6 liters)

Hydraulic fluid recommended
 Above 10°F (-13°C) Mobil DTE-13M (ISO VG32)
 Below 10°F (-13°C) Mobil DTE-11M (ISO VG15)

Hydraulic system
 maximum pressure 2,500 psi (17,250 kPa)

**Boom movement times
 (complete range of movement):**

Turntable Swing
 CW or CCW (360°): 100 - 110 seconds

Platform Rotation
 CW or CCW (180°): 16 - 20 seconds

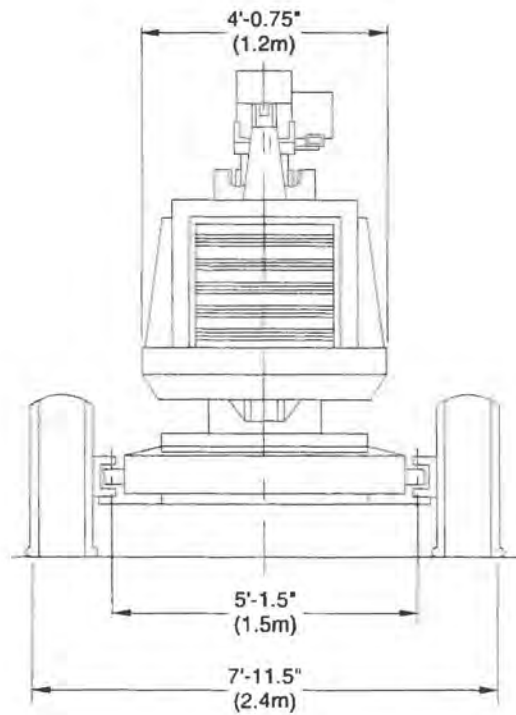
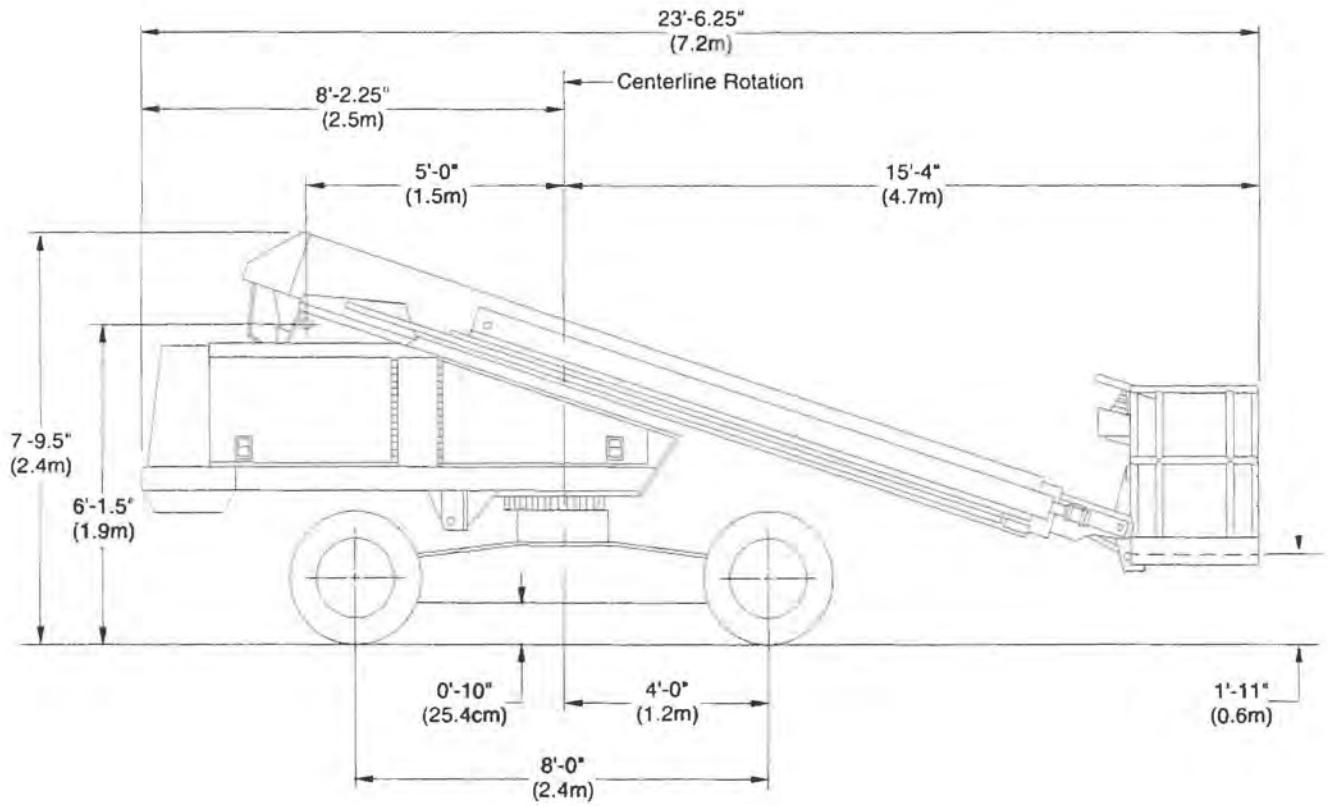
Main Boom Elevation
 UP: 40 - 45 seconds
 DOWN: 40 - 45 seconds

Boom Extension
 OUT: 40 - 45 seconds
 IN: 25 - 30 seconds

■ PLATFORM SPECIFICATIONS: TB 42

PLATFORM	SIZE inches (cm)	Unrestricted rated work load (total weight of personnel, tools, and materials that the platform is designed to carry above its floor -- same as UNRESTRICTED PLATFORM CAPACITY)
standard steel	30 x 60 (76 x 152)	Rated work load: 500 lbs (227 kg) Rated number of occupants: 2 people
standard aluminum	30 x 60 (76 x 152)	Rated work load: 700 lbs (318 kg) Rated number of occupants: 2 people
optional aluminum	30 x 92 (76 x 233)	Rated work load: 500 lbs (227 kg) Rated number of occupants: 2 people
optional steel	30 x 92 (76 x 233)	Rated work load: 500 lbs (227 kg) Rated number of occupants: 2 people

■ OVERALL DIMENSIONS: TB 42 AND TB 420



SPECIFICATIONS

■ WORKING ENVELOPE: TB 42 AND TB 420

AREA IN DASHED LINES SHOWS
THE TB 42 AND TB 420 WORKING ENVELOPE

