

SPECIFICATIONS

The Snorkelift TB 80 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

Working height (nominal)86.0 ft (26.21 m)
Platform height (maximum)80.0 ft (24.38 m)
Platform reach (maximum)71.1 ft (21.67 m)
Length
(booms down and retracted)38.8 ft (11.82 m)
Width
axles retracted8.46 ft (2.58 m)
axles extended12.46 ft (3.80 m)
Height (booms down)9.58 ft (2.92 m)
Wheelbase12.0 ft (3.66 m)
Ground clearance13.0 in (33.0 cm)
Tailswing:
axles retracted6.6 ft (2.01 m)
axles extended4.6 ft (1.40 m)
Weight (approximate) 30,300 lb (13,744 kg)
Wheel loading, single (max.) 15,400 lb (6,985 kg)
Ground pressure (max.) 84 psi (580 kPa)
Boom elevation+70°/-13.5° to horizontal
Gradeability
4x2 (two-wheel drive)25%
4x4 (four-wheel drive)30%

Travel speeds (max.):
booms down and retracted 3.0 mph (4.8 km/h)
(4x4 option only) 1.5 mph (2.4 m)
booms up and/or extended 0.75 mph (1.2 km/h)
Turning radius:
inside (rear axles extended)..... 17.42 ft (5.31 m)
Tires (foam filled) 15 x 22.5, 16 ply
Electrical system12 V dc (neg. 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/h)
Fuel tank capacity:
standard gasoline
or diesel 40 gal (US) (151.4 liters)
optional LPG 43.5 lb (19.7 kg)
Hydraulic oil:
pressure (max., 4x2) 2,500 psi (17,250 kPa)
pressure (max., 4x4) 2,800 psi (19,320 kPa)
system capacity 65 gal (US) (246 liters)
temperature (max. at tank) 200°F (93°C)
Hydraulic oil recommended:
above 10°F (-13°C) Mobil DTE 13M (ISO VG32)
below 10°F (-13°C) Mobil DTE 11M (ISO VG15)
Boom movement times, in seconds,
for complete range of movement:
TURNTABLE SWING (360° continuous)
booms retracted 90 - 100 seconds
booms extended 190 - 220 seconds
PLATFORM ROTATION (180°) 16 - 20 seconds
MAIN BOOM ELEVATION
UP (booms retracted) 65 - 75 seconds
UP (booms extended) 100 - 120 seconds
DN (booms retracted) 60 - 70 seconds
DN (booms extended) 80 - 95 seconds
BOOM EXTENSION
OUT 80 - 90 seconds
IN 60 - 70 seconds

■ PLATFORM SPECIFICATIONS

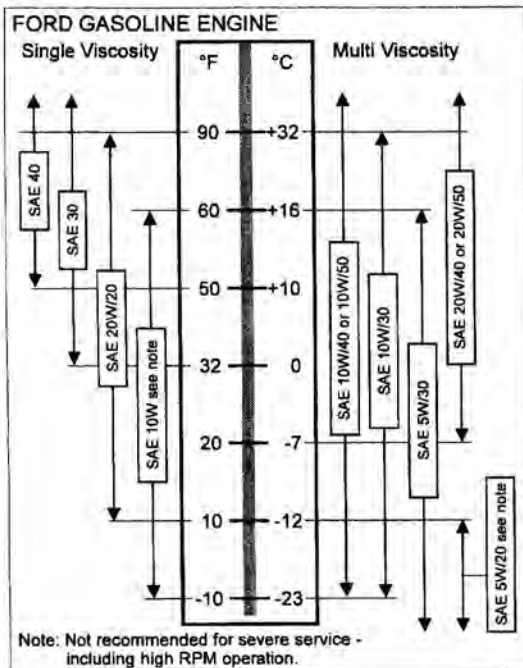
PLATFORM	SIZE inches (cm)	Unrestricted rated work load (total weight of personnel, tools, and materials that the platform is designed to carry above its floor when the platform is within its working envelope -- same as UNRESTRICTED PLATFORM CAPACITY)
steel, standard	92 x 30 (234 x 76)	Rated work load: 500 lb (227 kg) Rated number of occupants: 2 people
aluminum, optional steel, optional	92 x 30 (234 x 76) 60 x 30 (152 x 76)	Rated work load: 600 lb (273 kg) Rated number of occupants: 2 people
aluminum, optional	60 x 30 (152 x 76)	Rated work load: 650 lb (295 kg) Rated number of occupants: 2 people

SPECIFICATIONS

ENGINE DATA (GASOLINE & LPG)

ENGINE MAKE	FORD		CONTINENTAL	
MODEL	LRG-423		TM27	
FUEL	Gasoline	LPG	Gasoline	LPG
FUEL GRADE	unleaded 85 octane (motor method)	HD5 Gas Processors Association Standard 2140 Category: special duty propane	unleaded 85 octane (motor method)	HD5 Gas Processors Association Standard 2140 Category: special duty propane
COOLANT	50% water + 50% ethylene glycol antifreeze			
OPERATING TEMPERATURE	160°F - 190°F (71°C - 88°C)		180°F - 202°F (81°C - 94°C)	
OIL SUMP CAPACITY	4 qt USA (3.8 liters)		6 qt USA (5.7 liters)	
OIL FILTER CAPACITY	1 qt USA (0.95 liters)			
OIL GRADE	API: SH (SG only if SH not available)	API: SG or SH	API: SE, SF, SE/CD, SF/CD	
OIL WEIGHT	See charts below.			
RUNNING TIME	One full tank of gasoline will last an entire eight hour shift, under normal working conditions. It normally takes two tanks of LPG per eight hour shift.			

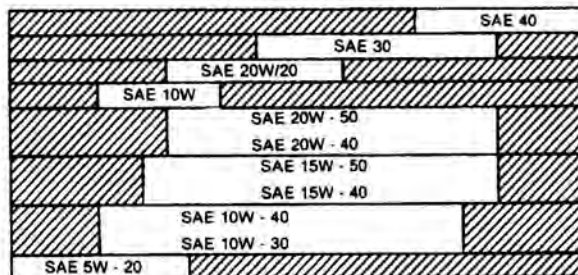
ENGINE OIL CHARTS (FORD & CONTINENTAL)



CONTINENTAL GASOLINE ENGINE

AVERAGE AMBIENT TEMPERATURE AT WHICH ENGINE STARTING IS REQUIRED:

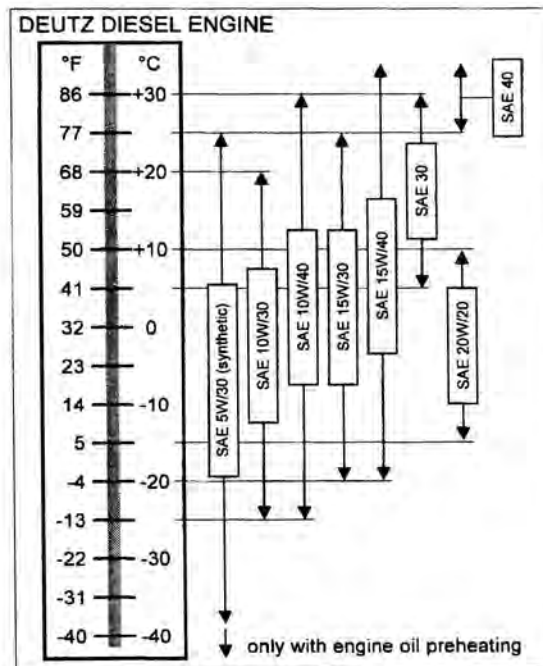
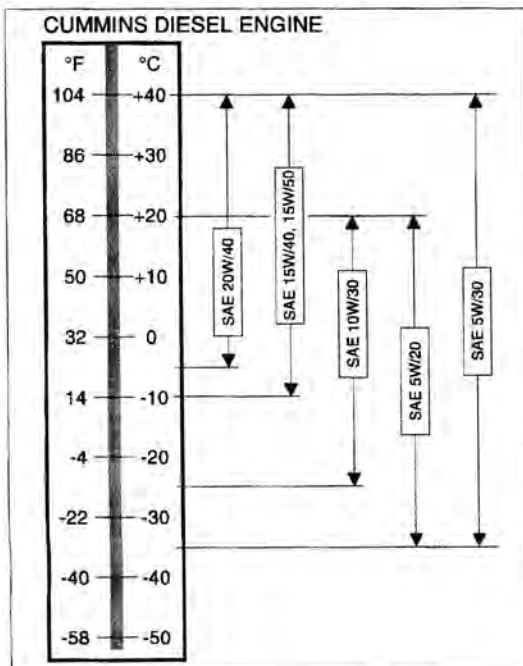
°C	-30	-18	17	5	16	27	38 +
°F	-20	0	20	40	60	80	100 +



■ ENGINE DATA (DIESEL)

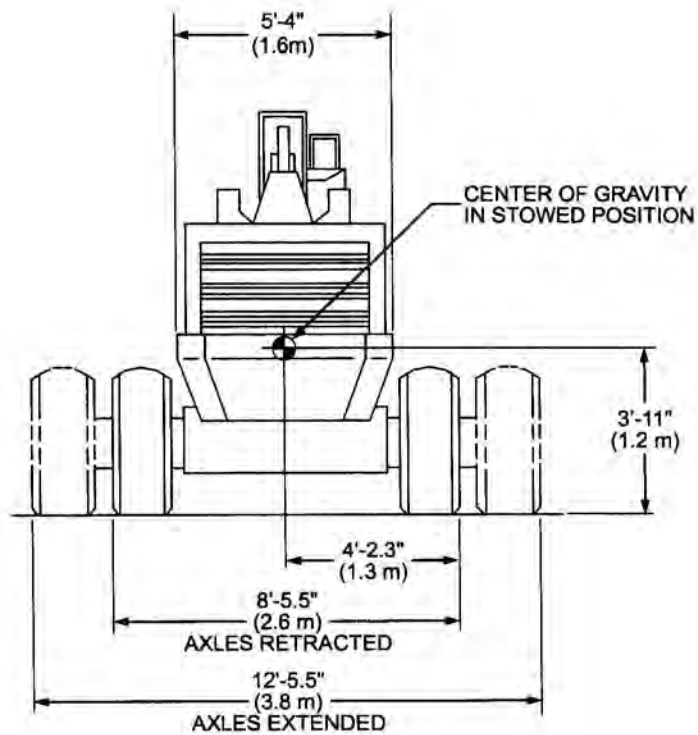
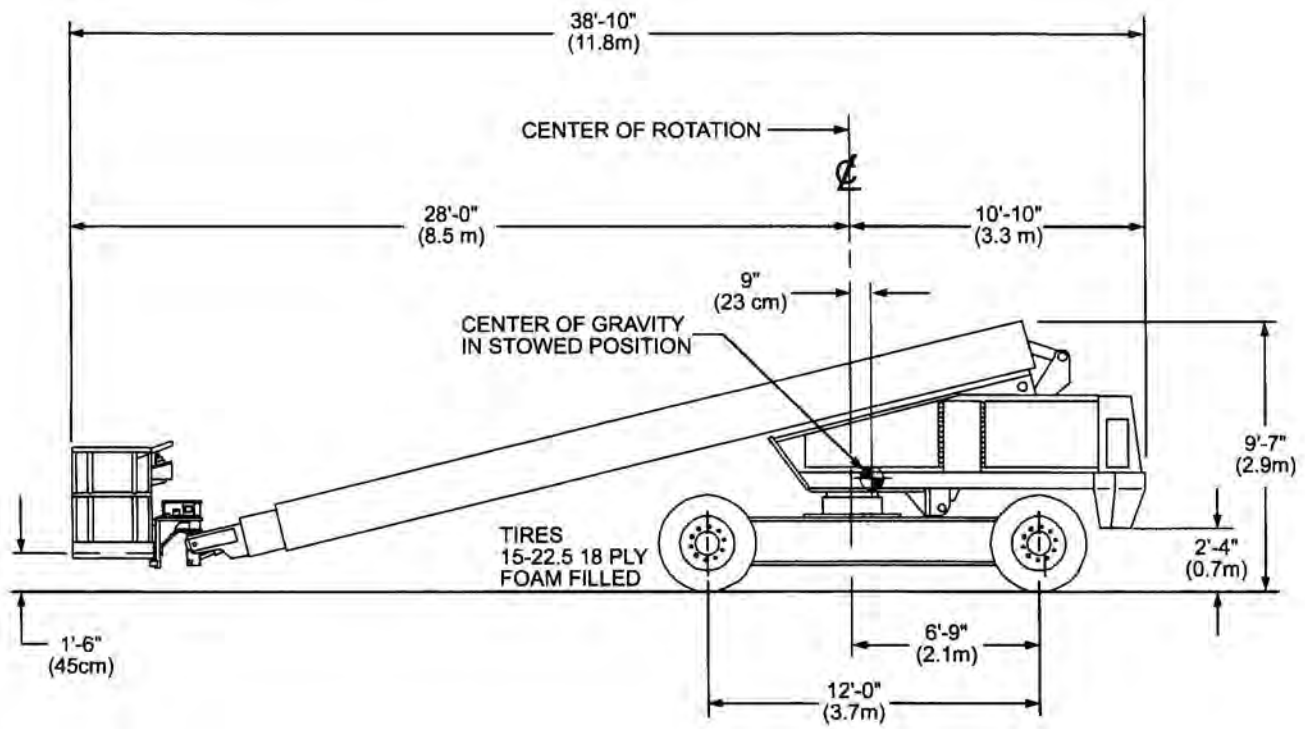
ENGINE MAKE	CUMMINS	DEUTZ
MODEL	4B3.9	F4L-1011
FUEL	Diesel	
FUEL GRADE	ASTM No. 2 D Cetane # > 40 (For operating temp. below 32°F / 0°C use "winterized" No. 2 D.)	DIN 51601 - DK BS 2869: A1 and A2 ASTM D 975-81: 1-D and 2-D W-F-800C: DF-A, DF-1, and DF-2
COOLANT	50% water + 50% ethylene glycol antifreeze	Air
OPERATING TEMPERATURE	141°F - 211°F (60°C - 100°C)	172°F - 203°F (78°C - 95°C)
OIL SUMP CAPACITY	10 qt USA (9.5 liters)	10.5 qt USA (10 liters)
OIL FILTER CAPACITY	1 qt USA (0.95 liters)	0.5 qt USA (0.5 liters)
OIL GRADE	API: CE/SF, CD/SF	API: CC/SE CC/SF CD/SE CD/SF CE/SF CE/SG
OIL WEIGHT	See charts below.	
RUNNING TIME	One full tank of diesel will last an entire eight hour shift, under normal working conditions.	

■ ENGINE OIL CHARTS (CUMMINS & DEUTZ)



SPECIFICATIONS

OVERALL DIMENSIONS



■ WORKING ENVELOPE

