

TB85J

General Specifications – TB85J

Aerial Platform

Working height	27.7 m
Maximum platform height	25.8 m
Horizontal reach	23.4 m
Main boom	
Articulation	-13.5° to +70°
Extension	13.4 m
Jib boom	
Articulation	-70° to +70°
Turntable rotation	360° continuous
Turning radius, 4 wheel steer	2.4 m
Tail swing	1.9 m
Wheelbase	3 m
Ground clearance	33 cm
Maximum wheel load	8,770 kg
Maximum ground pressure	6.9 kg/cm ²
Weight, EVW	
Approximate	17,100 kg
Width	2.5 m
Stowed length	11.2 m
Stowed length, tucked stow	11.1 m
Stowed height	2.9 m

Platform

Dimensions	
Standard Aluminum	76 cm x 244 cm
Optional Steel	76 cm x 152 cm
Optional Aluminum	76 cm x 152 cm
Rated work load	
Steel 30 ² x 60 ²	227 kg
Aluminum 30 ² x 60 ²	272 kg
Aluminum 30 ² x 92 ²	227 kg
Rotation	170 degrees
Maximum number of occupants	2 people
Optional AC generator	110 V
Optional AC generator	220 V
Optional AC generator	220 V, 3-phase, 12 kw
Optional Welder	

Function Speed

Turntable rotation	
Booms retracted	168 seconds minimum
Booms extended	228 seconds minimum
Main boom	
Up	105 seconds minimum
Down	105 seconds minimum
Extend	80 to 90 seconds
Retract	60 to 70 seconds
Jib	
Up	25 to 35 seconds
Down	25 to 35 seconds

Platform rotation	16 to 20 seconds
Drive	

High, booms stowed	4.8 km/h
Mid, booms stowed	2.4 km/h
Low, booms raised/extended	1 km/h

Drive System

Standard	Four wheel drive
Gradeability – theoretical	45%

Tires

Foam filled	15-625NHS, 16 ply
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Electrical System

Voltage	12 V DC negative chassis ground
Source	
Gas engine	One -12 V 550 CCA battery
Diesel engine	Two - 12 V 550 CCA batteries
Fluid recommended	distilled water

Hydraulic System

Maximum pressure	19,305 kPa
Reservoir capacity	151 l
System capacity	246 l
Maximum operating temperature	93°C
Hydraulic fluid recommended	
Above -13°C (10°F)	Mobil DTE-13M (ISO VG32)
Below -13°C (10°F)	Mobil DTE-11M (ISO VG15)

Engine

Diesel	Cummins B3.3
Diesel	Deutz F4L-2011F
Gasoline and/or LPG	General Motors 2.4

Fuel Tank Capacity

Gasoline or diesel	204 l
LPG	19.7 kg
Dual fuel gasoline	204 l
Dual fuel LPG	19.7 kg

Ambient Air Temperature Operating Range

Celsius	-18°C to 43°C
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Maximum Wind Speed

Gust or steady	45 km/h
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Vibration

	less than 2.5 m/sec ²
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Sound Threshold

	below 97 dB(A)
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