

Table 2.1 Telehandler Specifications and Features

MODEL	ZB20032	ZB20044
Engine		
Type	Cummins QSB4.5C180T3	
Max RPM	2500 rpm	
Horsepower @ 2300 RPM	168 HP	
Horsepower @ 2500 RPM	163 HP	
Fuel type	Diesel	
Transmission		
Type	DANA T32000	
Speeds forward	3	
Speeds Reverse	3	
Top Speed	20.5 mph (33 km/h)	
Gear Ratios		
1st Gear	4.64 : 1	
2nd Gear	2.23 : 1	
3rd Gear	0.82 : 1	
Electrical		
System voltage	12 volts negative ground	
Standard Batteries		
Type	HP-31E	
Quantity	2	
Cranking amperes @ 0°F (-17°C)	725 A	
Total cranking amps @ 0°F (-17°C)	1450 A	
Cranking amperes @ 32°F (0°C)	1100 A	
Reserve capacity	180 minutes	
Dimensions		
Overall length (less forks)	243 in (617 cm)	
Overall width	102 in (259 cm)	
Overall Height	108 in (274 cm)	
Curb weight (standard machine with open cab)	41,500 lbs. (18,370 kg)	45,000 lbs. (20,000 kg)
Maximum capacity	20,000 lbs. (9,071 Kg)	
Wheelbase	138 in (350 cm)	
Round steer turning Radius (inside)	220 in (559 cm)	
Boom		
Number of sections	2	3
Maximum lift height	32 ft. 4 in (985 cm)	44 ft. 10 in (1366 cm)
Maximum forward reach	16 ft 6 in (502 cm)	27 ft 5 in (835 cm)
Standard Forks	2¾ x 6 x 60 in (6.9 x 15.2 x 152.4 cm)	2¾ x 6 x 60 in (6.9 x 15.2 x 152.4 cm)
Carriage rollback	19°	19°
Carriage forward tilt	80°	80°
Operating Times		
Boom extend (at max. boom angle)	13 seconds	
Boom retract (at max. boom angle)	9.5 seconds	
Boom raise*	19 seconds	
Boom lower*	20 seconds	
Carriage roll forward	12 seconds	
Carriage roll back	12 seconds	
Frame level right (stop to stop) **	15 - 20 seconds	
Frame level left (stop to stop) **	15 - 20 seconds	

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* Measured with boom fully retracted.

** Under no circumstances should the frame level cycle take less than 15 seconds to complete in either direction.

Table 2.2 Recommended Fluids/Lubrication

MODEL		ZB20032	ZB20044
Engine	Fuel Type	Diesel	
	Fuel Tank Capacity	49 gal (185 L)	
	Recommended Oil Type	15W40 CC/SF	
	Coolant Type	60/40 Ethylene glycol/distilled water	
Transmission	Type	ATF Dexron III	
	Capacity	6.3 gal (24 L)	
Axles	Differential	SAE 80W-90 GL-5	
	Planetary Wheel Ends		
Hydraulic Oil	Type	Anti-wear ISO Gr. 32	
	Tank Capacity	55 gal (208 L)	
Grease	Boom Slide Bearings	Sunaplex 992 E.P. 2	
	General Greasing	Multi Purpose E.P.	

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