

SECTION 7 TECHNICAL PARAMETER

Table 7-1 Technical Parameters

Model	ZA32J	Parameters	
Dimension	Max Work Height	33.85 m	111ft 1in
	Platform Height	31.85 m	104ft 6in
	Max horizontal outreach	21.17 m	69ft 5in
	Up and Over Height	14.52 m	47ft 8in
	Overall Length	12.6 m	41ft 5in
	Overall Width	2.49 m	8ft 3in
	Overall Height	3.1 m	10ft 3in
	Platform Size	2.44 m×0.91 m	8ft×2ft12in
	Wheelbase	3.81m	12ft 6in
	Ground Clearance	0.42m	1ft 5in
Working Performance	Platform Capacity	250 kg	551 lb
	Drive Speed	5.2 km/h	3.23 mph
	Gradeability	45%	
	Turning Radius (Inside)	7.7m/3.3m	25ft 4in/10ft 10in
	Turning Radius (Outside)	10.8m/8.2m	35ft 6in/26ft 11in
	Tail Swing	0 m	0 in
	Platform Rotation	±90°	
	Max. Working Slope	5°	
	Guaranteed sound power level	104dBA	
	The vibration total value to which the hand-arm system is subjected does not exceed	≤2.5 m/s	≤5.59 mph
Power	Engine	Cummins QSF2.8 54kW	Cummins QSF2.8 72hp /2400rpm
Tire	Type	445/50 D710 Foam-filled Tires	
Weight	Gross	19700 kg	43430 lbs
Working Environment	Ambient temperature	−25°C~40°C	−25°C~40°C
	Wind Speed	≤12.5 m/s	27.96mph
	Lateral Load	400N	90 lbs force

Table 7-1 Technical Parameters (Continuous)

Model	ZA32J	Parameters	
Range of Motion	Platform Rotation	$\pm 90^{\circ}$	
	Jib Working Range	$-55^{\circ} \sim 70^{\circ}$	
	Upper Boom Working Range	$-35^{\circ} \sim 68^{\circ}$	
	Upper Boom Telescopic	7050 mm	23ft 2in
	Tower Boom Working Range	$-4.5^{\circ} \sim 70^{\circ}$	
	Tower Boom Telescopic	6860 mm	22ft 6in
	Turntable Swing	360° continuous	
Platform Functional speed	Drive speed	5.2 km/h (stowed) 0.6 km/h (climbing) 0.4 km/h (raised)	3.23 mph (stowed) 0.37mph (climbing) 0.24 mph (raised)
	Turntable swing (a round)	0.4~0.43m/s	0.89~0.96 mph
	Upper boom lifting	0.21~0.24 m/s	0.46~0.53 mph
	Upper boom lowering	0.23~0.26 m/s	0.51~0.58 mph
	Upper boom extending	0.09~0.11 m/s	0.2~0.24 mph
	Upper boom retracting	0.11~0.12 m/s	0.24~0.27 mph