

Z40/23NRJ BOOM LIFT

40FT ELECTRIC BOOM LIFT ARTICULATED

Models	Z-40/23N RJ	
Measurements	US	Metric
Working height max. ⁽¹⁾	40 ft 5 in	14.32 m
Platform height max.	40 ft 5 in	12.32 m
Horizontal reach max.	22 ft 8 in	6.91 m
Up and over clearance max.	21 ft 3 in	6.48 m
1 Platform length	2 ft 6 in	0.76 m
2 Platform width	3 ft 10 in	1.17 m
3 Height - stowed	6 ft 6 in	1.98 m
4 Length - stowed	21 ft 5 in	6.53 m
5 Width	4 ft 11 in	1.50 m
6 Wheelbase	6 ft 5 in	1.96 m
7 Ground clearance - center	9.5 in	0.24 m

Productivity

Lift capacity max. - unrestricted	500 lb	227 kg
Platform rotation	180°	
Jib length	4 ft	1.22 m
Vertical jib rotation	128°	
Horizontal jib rotation	180°	
Turntable rotation	355°	
Turntable following	5 in	0.13 m
Drive speed - stowed ⁽²⁾	4.5 mph	7.2 km/h
Drive speed - raised	0.68 mph	1.1 km/h
Gradeability - stowed ⁽²⁾	30%	
Tilt sensor activation (front to back/side to side)	2.5° - 4.5° / 4.5°	
Turning radius - inside/outside	2 ft 11 in / 10 ft 6 in	0.87 m / 3.20 m
Tires (solid, non-marking)	22x7x17.75 in	0.56x0.18x0.45 m

Power

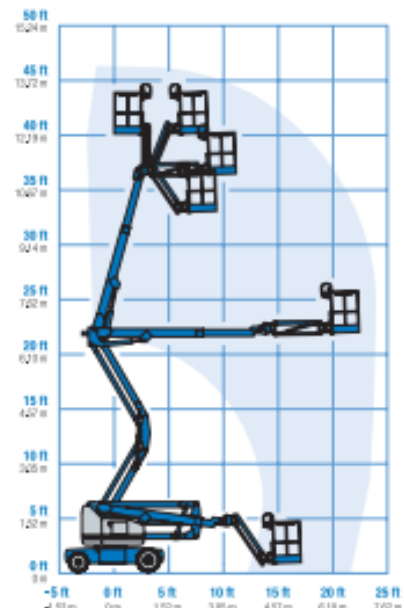
Power	48V DC (8x6V 350Ah)
Drive system	48V 3-Phase AC
Auxiliary power unit	24V DC
Hydraulic tank capacity	8 gal 30.3 L

Weight⁽³⁾ and Floor Loading⁽⁴⁾

Weight	15,300 lb	6,940 kg
Tire contact pressure	200 psi	1379 kPa
Occupied floor pressure (tires)	372 psf	17.8 kPa

Sound and Vibration Levels

Sound Pressure level (ground workstation)	< 70 dBA	
Sound Pressure level (platform workstation)	< 70 dBA	
Vibrations	8 ft 2 in/s ²	2.5 m/s ²



Jib range of motion Z-40/23N RJ

