

# Self-Propelled Articulating Booms

Z°-40/23N & Z-40/23N RJ

# Specifications

| Models                        | Z-40/23N |            | Z-40/23N RJ |            |
|-------------------------------|----------|------------|-------------|------------|
| Measurements                  | Metric   | US         | Metric      | US         |
| Working height maximum*       | 14.32 m  | 46 ft 5 in | 14.32 m     | 46 ft 5 in |
| Platform height maximum       | 12.32 m  | 40 ft 5 in | 12.32 m     | 40 ft 5 in |
| Horizontal reach maximum      | 6.91 m   | 22 ft 8 in | 6.91 m      | 22 ft 8 in |
| Up and over clearance maximum | 6.48 m   | 21 ft 3 in | 6.48 m      | 21 ft 3 in |
| ▲ Platform length             | 0.76 m   | 2 ft 6 in  | 0.76 m      | 2 ft 6 in  |
| A Platform width              | 1.42 m   | 4 ft 8 in  | 1.17 m      | 3 ft 10 in |
| A Height - stowed             | 1.98 m   | 6 ft 6 in  | 1.98 m      | 6 ft 6 in  |
| ▲ Length - stowed             | 6.53 m   | 21 ft 5 in | 6.53 m      | 21 ft 5 in |
| ▲Width                        | 1.50 m   | 4 ft 11 in | 1.50 m      | 4 ft 11 in |
| ▲ Wheelbase                   | 1.96 m   | 6 ft 5 in  | 1.96 m      | 6 ft 5 in  |
| ♠ Ground clearance - center   | 24.1 cm  | 9.5 in     | 24.1 cm     | 9.5 in     |

# **Productivity**

| Lift capacity            | 227 kg               | 500 lbs       | 227 kg               | 500 lbs       |
|--------------------------|----------------------|---------------|----------------------|---------------|
| Platform rotation        | 180°                 | 180°          | 180°                 | 180°          |
| Vertical jib rotation    | 128°                 | 128°          | 128°                 | 128°          |
| Horizontal jib rotation  | _                    | _             | 180°                 | 180°          |
| Turntable rotation       | 355° non-continuous  |               | 355° non-continuous  |               |
| Turntable tailswing      | 0.13 m               | 5 in          | 0.13 m               | 5 in          |
| Drive speed - stowed     | 7.2 km/h             | 4.5 mph       | 7.2 km/h             | 4.5 mph       |
| Drive speed - raised**   | 1.1 km/h             | 0.68 mph      | 1.1 km/h             | 0.68 mph      |
| Gradeability - stowed*** | 30%                  | 30%           | 30%                  | 30%           |
| Turning radius - inside  | 0.87 m               | 2 ft 11 in    | 0.87 m               | 2 ft 11 in    |
| Turning radius - outside | 3.20 m               | 10 ft 6 in    | 3.20 m               | 10 ft 6 in    |
| Controls                 | 24 V DC proportional |               | 24 V DC proportional |               |
| Tyres - front            | 56x18x45 cm          | 22x7x17.75 in | 56x18x45 cm          | 22x7x17.75 in |
| Tyres - rear             | 64x18 cm             | 25.6 x 7 in   | 64x18 cm             | 25.6 x 7 in   |

## Power

| Power source            | , 0      | 48 V DC (eight 6 V batteries)<br>350 Ah capacity |         | 48 V DC (eight 6 V batteries)<br>350 Ah capacity |  |
|-------------------------|----------|--|---------|--|--|
| Drive system            | 29 V 3 p | 29 V 3 phase AC                                  |         | 29 V 3 phase AC                                  |  |
| Auxiliary power unit    | 24 V DC  | 24 V DC  | 24 V DC | 24 V DC  |  |
| Hydraulic tank capacity | 30.3 L   | 8 gal  | 30.3 L  | 8 gal  |  |

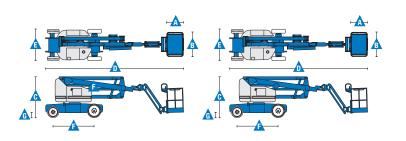
# Sound & Vibration Levels

| Sound pressure level (ground)   | <70 dBA               | <70 dBA                   | <70 dBA               | <70 dBA                   |  |
|---------------------------------|-----------------------|---------------------------|-----------------------|---------------------------|--|
| Sound pressure level (platform) | <70 dBA               | <70 dBA                   | <70 dBA               | <70 dBA                   |  |
| Vibration                       | <2.5 m/s <sup>2</sup> | <8 ft 2 in/s <sup>2</sup> | <2.5 m/s <sup>2</sup> | <8 ft 2 in/s <sup>2</sup> |  |

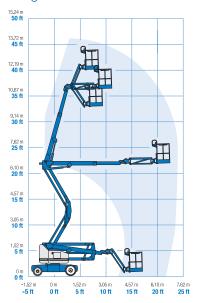
# Weight\*\*\*\*

| 6,908 kg | 15,230 lbs | 6,940 kg | 15,300 lbs |
|----------|------------|----------|------------|
| 0,500 kg | 10,200 100 | U,UTU NG | 10,000 100 |

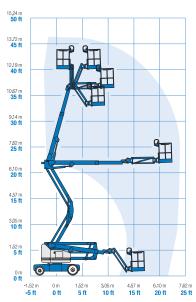
Standards Compliance EU Directives: 2006/42/EC - Machinery (harmonized standard EN280); 2004/108/EC (EMC); 2006/95/EC (LVD)



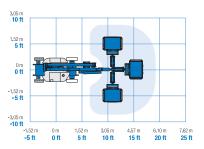
# Range Of Motion Z-40/23N



# Range Of Motion Z-40/23N RJ



# Jib Range Of Motion Z-40/23N RJ



- \* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

  \*\* In lift mode \*(platform raised), the machine is designed to operated on firm, level surfaces only.

  \*\*\* Condability compliance of planner See
- Gradeability applies to driving on slopes. See operator's manual for details regarding slope ratings. Weight will vary depending on options and/or country



# Self-Propelled Articulating Booms

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# **Features**

# Standard Features

#### Measurements

#### Z-40/23N & Z-40/23N RJ

- 14.32 m (46 ft 5 in) working height
- 6.91 m (22 ft 8 in) horizontal reach
- 6.48 m (21 ft 3 in) up and over clearance
- Up to 227 kg (500 lbs) lift capacity

#### **Productivity**

- 1.50 m (4 ft 11 in) width
- 0.87 m (2 ft 11 in) inside turning radius
- 1.22 m (4 ft) jib boom with 128° working range
- Self-leveling platform
- Hydraulic platform rotation
- Proportional joystick controls
- Telematics-Ready Connector
- Thumb rocker steer
- Drive enable
- · Chassis tilt drive function cut-out
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- Hydraulic filter condition monitor
- 355° non-continuous turntable rotation
- Variable speed high efficiency hydraulic power unit
- AC electric drive system
- Traction control
- On board easy to understand diagnostics
- Zero tailswing
- Dual parallelogram for vertical wall tracking
- Lift Guard™ Contact Alarm

#### Power

- 48 V DC deep cycle battery pack
- 24 V DC auxiliary power
- Universal 30A battery smart charger
- Battery charge indicator
- Low battery voltage interrupt

# Easily Configured To Meet Your Needs

#### **Platform Options**

- Steel 1.17 m (3 ft 10 in) (standard)
- Steel 1.42 m (4ft 8 in) (Optional, not available with rotating jib RJ model)

### Jib Options

- Articulating 1.22 m (4 ft) jib boom
- 1.22 m (4 ft) horizontal rotating jib boom

#### Power

• 48 V DC (eight 6 V 350 Ah batteries)

#### Drive

• 2 x 4 Electric AC

#### **Tyres**

• Solid rubber non-marking



# **Options & Accessories**

# Productivity

- Airline to platform
- Platform auxiliary top rail
- Power to platform: plug, socket, with optional Residual-current Circuit Breaker with Overcurrent protection
- Work lights package (2 on chassis,2 on platform)
- Hostile environment kit<sup>(1)</sup>: cylinder bellow, boom wiper seals and platform control box cover
- Biodegradable hydraulic oil
- Track & Trace<sup>(2)</sup> (GPS unit providing machine location & operating information)
- Chassis tilt lift function cut-out (software setting)
- Lockable platform control box cover
- Tool tray(3)

#### Power

AGM Maintenance-free batteries<sup>(1)</sup>





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