

# Self-Propelled Articulating Booms

Z°-51/30J RT

# **Specifications**

| Models                        |         | Z-51/30J RT |
|-------------------------------|---------|-------------|
| Measurements                  | Metric  | US          |
| Working height maximum*       | 17.59 m | 57 ft 8 in  |
| Platform height maximum       | 15.59 m | 51 ft 2 in  |
| Horizontal reach maximum      | 9.37 m  | 30 ft 9 in  |
| Up-and-over clearance maximum | 7.39 m  | 24 ft 3 in  |
| ▲ Platform length             | 0.76 m  | 2 ft 6 in   |
| A Platform width              | 1.83 m  | 6 ft        |
| ▲ Height - stowed             | 2.13 m  | 7 ft        |
| ▲ Length - stowed             | 7.58 m  | 24 ft 11 in |
| ▲Width                        | 2.29 m  | 7 ft 6 in   |
| <u></u> <b>♣</b> Wheelbase    | 2.03 m  | 6 ft 8 in   |
| ♠ Ground clearance - centre   | 0.375 m | 1 ft 3 in   |

#### Productivity

| Lift capacity                  | 227 kg                 | 500 lbs    |  |
|--------------------------------|------------------------|------------|--|
| Platform rotation              | 160°                   | 160°       |  |
| Vertical jib rotation          | 135° (+78°/-57°)       |            |  |
| Turntable rotation             | 355° non-continuous    |            |  |
| Turntable tailswing            | zero                   | zero       |  |
| Drive speed - stowed           | 8 km/h                 | 5 mph      |  |
| Drive speed - raised**         | 1 km/h                 | 0.61 mph   |  |
| Gradeability - 4WD - stowed*** | 45%                    | 45%        |  |
| Turning radius - inside        | 1.68 m                 | 5 ft 6 in  |  |
| Turning radius - outside       | 4.50 m                 | 14 ft 9 in |  |
| Controls                       | 12 V DC proportional   |            |  |
| Tyres                          | 315/55 D20 foam filled |            |  |

#### Power

| Power source            | Deutz D2011 L03i 3 o | Deutz D2011 L03i 3 cylinder diesel 35.8 kW (48 hp) Deutz TD2.2 L3 turbo diesel, 3 cylinder 49hp (37kW) Stage V |  |  |
|-------------------------|----------------------|--|--|--|
|                         | Deutz TD2.2 L3 turbo |  |  |  |
| Auxiliary power unit    | 12 V DC              | 12 V DC  |  |  |
| Hydraulic tank capacity | 90.9 L               | 24 gal   |  |  |
| Fuel tank capacity      | 64.4 L               | 17 gal   |  |  |

#### Sound & Vibration Levels

| Sound pressure level (ground workstation)   | 86 dBA                | 86 dBA                    |  |
|---|-----------------------|---------------------------|--|
| Sound pressure level (platform workstation) | 79 dBA                | 79 dBA                    |  |
| Vibration                                   | <2.5 m/s <sup>2</sup> | <8 ft 2 in/s <sup>2</sup> |  |

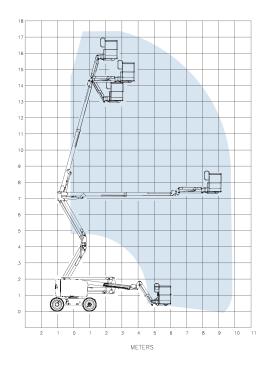
### Weight\*\*\*\*

| 7,394 kg | 16,300 lbs |  |
|----------|------------|--|

#### Standards Compliance

EU Directives: 2006/42/EC - Machinery (harmonized standard EN280:2013+A1:2015); 2004/108/EC (EMC); 2000/14/EC (Outdoor Noise)

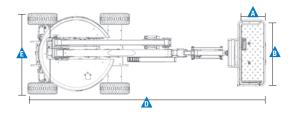
## Range Of Motion Z-51/30J RT

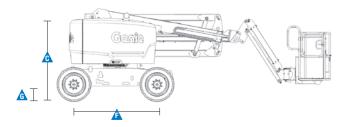


- \* The metric equivalent of working height adds 2 m to platform height. U.S. adds 6 ft to platform height.

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

  \*\*\* Gradeability applies to driving on slopes. See Operator's Manual for details regarding slope ratings.
- \*\*\*\* Weight will vary depending on options and/or country standards.







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## **Features**

# Standard Features

#### Measurements

#### Z-51/30J RT

- 17.59 m (57 ft 8 in) working height
- 9.37 m (30 ft 9 in) horizontal reach
- 7.39 m (24 ft 3 in) up and over clearance
- Up to 227 kg (500 lbs) lift capacity

#### Productivity

- Self-levelling platform
- Proportional joystick controls
- Telematics-Ready Connector
- Thumb rocker steering
- Drive enable
- · Chassis tilt drive function cut-out
- AC power cord to platform
- Horn
- Hour meter
- Tilt alarm
- Descent & travel alarms
- Flashing beacon
- 355° non-continuous turntable rotation
- Positive traction drive
- Two speed wheel motors
- · Hydraulic oil cooler
- Dual parallelogram for vertical wall tracking
- Zero Tailswing
- Lift Connect<sup>™</sup> Telematics
- Lift Guard<sup>™</sup> Contact Alarm
- Lift Tool<sup>™</sup> Work Tray

#### Power

- 12 V DC auxiliary power
- Engine protection package
- · Deutz intake air heater

### Easily Configured To Meet Your Needs

#### Platform

• Steel 1.83 m (6 ft) dual entry with sideswing gate (standard)

• Articulating 1.52 m (5 ft) jib boom

#### Power

- Deutz D2011 L03i 3 cylinder diesel 35.8 kW (48 hp)
- Deutz TD2.2 L3 turbo diesel, 3 cylinder 49hp (37kW) Stage V

#### Drive

• 4 x 4

Active oscillation (standard)

#### Tyre Options

- Rough terrain foam-filled (standard)
- · Rough terrain non-marking foam filled

# **Options & Accessories**

#### **Productivity**

- Lift Guard™ Half and Full mesh platform(1)
- Platform auxiliary top rail
- Air line to platform
- · Power to platform: plug, socket, with optional Residual-current Circuit Breaker with Overcurrent protection
- Work lights package (2 on chassis, 2 on platform)(1)
- Biodegradable hydraulic oil
- · Chassis tilt lift function cut-out (software setting)
- Track & Trace<sup>(2)</sup> (GPS unit providing machine location & operating information)
- · Lockable platform control box cover
- Operator Protective Structure<sup>(3)</sup>
- Tool Tray<sup>(3)</sup>
- Fall Arrest Bar<sup>(3)</sup>

#### Power

- · Diesel catalytic scrubber
- Engine gauge package (oil pressure & temperature and voltage)(1)
- Lift Power<sup>™</sup> 3kW AC generator, 110V/50Hz or 220V/50Hz
- Low temperature cut-out module
- EMEAR Cold Start kit: Inc. Engine heater & battery charger



(1) Factory-fit option only (2) Includes a first 2 years subscription

(3) Aftermarket only





#### Liftexperten

Klangfärgsgatan 4A, 426 52 Västra Frölunda, Sverige. Tel: +46 (0) 31 20 20 05 Email: info@liftexperten.se Web: liftexperten.se

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