

# Dingli Boom Lifts Product Manuals



Electric



Engine



**DINGLI®**  
*Exceed · New Height*



Dingli Self-propelled Boom Lifts Are Divided Into Telescopic Boom Lifts And Articulating Boom Lifts, With Two Types Driving Mode Of **Electric Drive** And **Engine Drive**. There Are 14 Models In The Whole Series, Including 10 Telescopic Boom Lifts And 4 Articulating Boom Lifts, With Working Heights Ranging From 24.3m To 30.3m. The Whole Series Is Jointly Developed By Dingli And Italian Research And Development(R&D) Center, With Completely Independent Intellectual Property Rights.

The Whole Series Of Boom Lifts' Counterweight And Center Of Gravity Move Down, Adopts The Whole Components To Move Down Design, Inherits The Family Modular Concept, Relies On The Performance Guarantee Of A Series Of High-end Configuration Such As American DANA Spicer Axle, Germany Bosch Rexroth High Pressure Driveline System And Danish Danfoss PVG Hydraulic Control System, Which Are The World's Leading Technology. They Have Many Advantages Such As Heavy Load, Strong Power, High Chassis, Easy Maintenance, Easy Transportation, Stable Control, Safer, **High Energy Saving**, **Great Endurance Ability**, **More Environmentally Friendly**, Etc., And Can Be Competent For All Kinds Of Complex And Severe Limit Working Conditions!



**Heavy Load**

The Whole Series Of Telescopic Boom Lifts Max. Load 454kg (Full Height Travel), Articulating Boom Lifts Max. Load 300kg (Full Height Travel), The Load Capacity Is Greater.

**Stable Control**

The Whole Series Adopt The Whole Component To Move Down Design, The Center Of Gravity Is Lowered, Cooperate With The Special Intelligent Control System, Making The Whole Machine More Stable, The Operation Is More Stable.

**High Chassis**

The Whole Series Is Equipped With Large Wheel Hub, Tire Diameter Of 108cm, Chassis Clearance Of 41cm, Compared With The Traditional Boom Lifts, Better Passability.

**Easy Transportation**

The Whole Series Not Only Can Be Transported By Basic Flatbed Truck, But Also Can Be Shipped In Regular Container (40HQ).

**Strong Power**

Equipped With A Special Axle For Aerial Working Platforms, It Can Meet The Requirements Of 4WD, And The Gradeability Is Up To 45% (Engine Type); Equipped With 100% Hydraulic Differential Lock System, Even If Three Wheels Slip, Start Differential Lock System Can Still Go Forward, Rough-terrain Performance Is Stronger.

**High Energy Saving**

The Engine Type Is Equipped With ECO Green Energy Saving System, Which Can Control Engine Speed Intelligently, Supply Oil On Demand, Heat Dissipation According To Temperature, And Save Energy.

**Great Endurance Ability**

The Electric Type Whole Series Is Equipped With 520Ah/80V High-capacity Lithium Battery, With Greater Endurance Ability.

**More environmentally friendly**

The Full Range Of Electric Models Are Equipped With Dedicated Electric Drive Axles, Using Batteries As The Power Source, With Low Noise, Zero Emissions, No Pollution, And More Environmentally Friendly.

**Easy Maintenance**

The Whole Series Adopts The Family Modular Design, 95% Main Components Are Common, More Than 80% Structural Parts Are Common. Only Need To Repair 1 Model, The Whole Series Of Models Are Covered; Only Need To Purchase 1 Set Of Components, The Whole Series Of Models Are All Universal. The Electric Model Is Equipped With A Five-year Warranty Without Maintenance Lithium Battery, Which Greatly Reduces The Cost Of Engine Maintenance And Diesel Addition.

**Safer**

The Whole Series Is Equipped With The Dual Sensing System, Intelligent Anti-extrusion System, Intelligent Safety Valve Protection System, Etc. Which Is More Secure. The Boom Uses Q960 Special Steel, The Safety Is Higher. The Maintenance- Free Lithium Battery Of The Electric Type Is Equipped With BMS Battery Management System To Ensure The Equipment Electricity Safety.

**The Gradeability Up To 45%****Anti-extrusion Device**

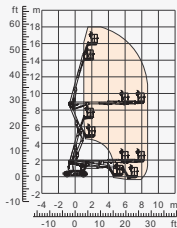
**100% Hydraulic Differential Lock System**  
Three Wheels Slip, Can Still Go Forward

**High-capacity Lithium Battery Pack****Multiple Steering Modes**



### Self-propelled Articulating Boom Lifts **(Electric Types)**

The Maximum Working Height Covers 16.3-18m, The Maximum Load Is 230kg, The Battery Is The Power Source, With Zero Emission, Noiseless, More Environmental Protection, Strong Spanning Ability And Other Advantages, Suitable For Places With Higher Requirements On The Environment.



**GTBZ18AE**

| Model                              | GTBZ18AE            |
|------------------------------------|---------------------|
| <b>Size</b>                        |                     |
| Max. Working Height                | 18.00m              |
| Max. Platform Height               | 16.00m              |
| Max. Horizontal Reach              | 8.30m               |
| Up and Over Clearance              | 8.90m               |
| Overall Length(Stowed) <b>A</b>    | 7.21m               |
| Overall Length(Transport) <b>B</b> | 6.10m               |
| Overall Width(Stowed) <b>C</b>     | 1.73m               |
| Overall Height(Stowed) <b>D</b>    | 2.00m               |
| Platform Size(Length×Width)        | 1.45m×0.76m         |
| Turntable Tailswing                | 0                   |
| Ground Clearance                   | 0.20m               |
| Wheelbase <b>E</b>                 | 2.00m               |
| Turning Radius(Inside/Outside)     | 2.08m/3.30m         |
| Tyres                              | 17.5×6.75           |
| <b>Performance</b>                 |                     |
| S.W.L                              | 230kg               |
| Max. Occupants                     | 2                   |
| Gradeability                       | 30%                 |
| Travel Speed(Stowed)               | 6.1km/h             |
| Travel Speed(Raised)               | 1.1km/h             |
| Max.Working Slope                  | X-3°/Y-3°           |
| Turret Rotation                    | 360 ° Discontinuity |
| Platform Rotation                  | 180°                |
| Jib Movement                       | +70°/-60°           |
| <b>Weight</b>                      |                     |
| Overall Weight                     | 7420kg              |
| <b>Power</b>                       |                     |
| Battery                            | 8×6V/420Ah          |
| Charger                            | 48V/25A             |
| Hydraulic Oil Tank                 | 30L                 |

