

Dingli Boom Lifts Product Manuals



ZHEJIANG DINGLI MACHINERY CO., LTD.

Add: No. 1255 Baiyun South Road, Deqing, Zhejiang
P.C: 313219
Tel: +86-572-8681688
Fax: +86-572-8681690
E-Mail: export@cndingli.com

[Http://www.cndingli.com](http://www.cndingli.com)

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DINGLI[®]
Exceed · New Height

DINGLI



TELESCOPIC BOOM LIFTS

Facility Four



▲ Facility Three



▲ Facility One



▲ Facility Two

Zhejiang Dingli Machinery Co., Ltd. was founded in 2005, headquartered in Deqing, Zhejiang. It is dedicated to developing, manufacturing, selling and servicing various high end aerial working platforms. Dingli is known for its advanced technology, top grade equipped facilities and fast company growth. We are also one of the leading aerial working platform manufacturers in China and the A-share Listed Companies in Shanghai Stock Exchange (Stock code: 603338).The company covers an area of nearly 700 acres, with a building area of 350,000 square meters.

Zhejiang Dingli has assembled a team of engineers and talented professionals, and co-founded a R&D center in Europe and a provincial level developmental institute. We acquired nearly 230 patents over time, including nearly 70 invention patents and nearly 30 overseas patents , 5 computer software copyright registration certificates. The first electric control system used for intelligent aerial working platform was developed by Dingli. Using its top-notch production equipments, we built more than 80 specifications and 6 series of aerial working platforms with high efficiencies and superior performance. In addition, we provide safe and efficient operating systems and solutions for our clients. Our products are widely utilized in construction, commercial and industrial purposes and extended to national defense and military fields, with related certifications obtained. In addition, we have acquired the National Weaponry R&D Manufacturing Enterprise Confidentiality Certificate, Equipment Manufacturing Enterprise Certificate and Weaponry Quality System Certificate. Our products are also certified by CE standards via Germany TUV in Europe, ANSI standards in the U.S., AS/NZS1418 standards in Australia, CU-TR standards in Russia, KC standards in South Korea. Our products are sold to customers in over 80 countries and regions such as Europe, Americas, Asia and Africa.

Zhejiang Dingli practices green growth and has established a remanufacturing facility, advocates recycling energy-efficient and efficient use, and upgrades the warranty period of electric-driven scissor series products and boom lifts series products to 2 years. Zhejiang Dingli is also keen on social welfare and serves the G20 Hangzhou Summit, which highlights the Chinese national sentiment.

Zhejiang Dingli upholds the mission and pursue of "Dingli, based in China and embraces the world" and continues to thrive. We were recognized as the National Key Supported High-Tech Enterprise, Patent Demonstration Enterprise and Standard Innovation Enterprise. It was received the international award for "IPAF-2018 Powered Access Pioneer ".Acquired the top 10 global high-altitude platform equipment manufacturers in 2019, and the best listed company in 2018;of the Top 100 Fast Growing Enterprises in Zhejiang;The production have been recognized as Zhejiang Famous Brand Products, Zhejiang Export Famous Brands, Zhejiang High-tech Products, etc. The "Dingli" trademark has been awarded the title of "China Famous Brand".Mr. Xu Shu Gen, president of the board, was recognized as one of the Top 100 Most Influential Individuals in National Engineer and Machinery Industry for many years.

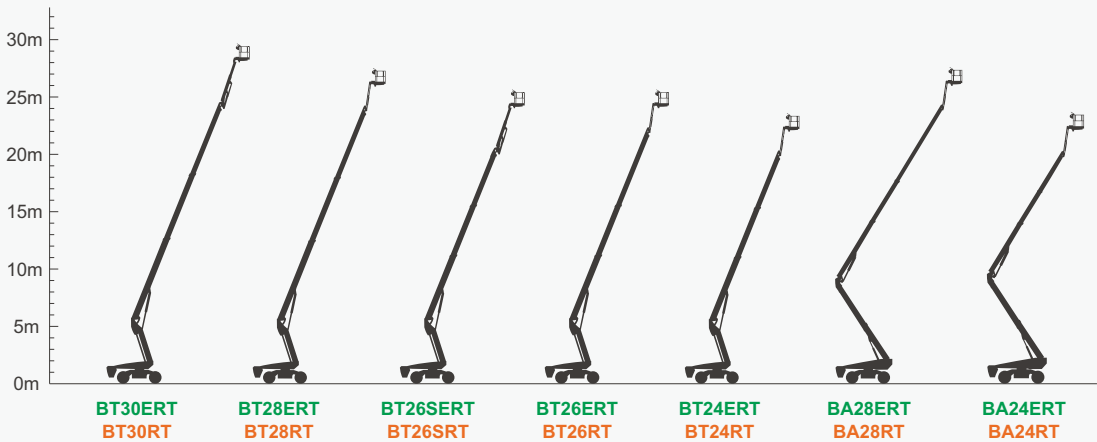
Zhejiang Dingli established a wholly-owned, first domestically financed leasing pilot enterprise, Shanghai Dingce Leasing Co., Ltd., in Shanghai Free Trade Zone,invested in Magni, a global leading enterprise for intelligent flexible arm fork loading, and American CMEC. Through overseas market layout and technology globalization, the company has effectively improved brand value and expanded sales channels.

Looking at the future, we dedicates ourselves to excellence and ingenuity, and with the promotion of the national "the Belt and Road" measures, Zhejiang Dingli is striving to follow the new model of industry 4.0, striving for excellence, ingenuity and wisdom, relying on scientific and technological research and development, guaranteed by innovative products, and based on passionate services to continuously improve core competitiveness and achieve new leap-forward.



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, High Energy Saving, Easy Transportation, Stable Control, Safer, 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 type is equipped with five-year warranty and maintenance-free 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 of the product is used of the Q960 special steel plate. Which is more secure. 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%



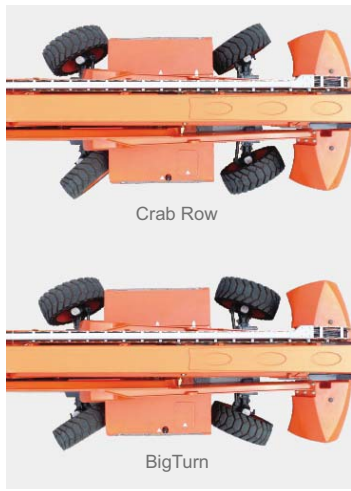
Anti-extrusion Device



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



High-capacity lithium battery pack



Multiple steering modes



Telescopic Boom Lifts



Can be transported in containers, the maximum working height is from 24.8 meters to 30.3 meters, and the maximum load is 454kg. Adopting four-wheel drive and four-rotation, more flexible walking, axle drive, stronger off-road capability, and more capable of complex and severe working conditions. Among them, models with telescopic booms have a wider working range and more flexibility in narrow spaces.



Articulating Boom Lifts

Can be transported in containers, the maximum working height is from 24.3 meters to 28.1 meters, and the maximum load is 300kg. Adopting four-wheel drive and four-rotation, more flexible walking, axle drive, stronger off-road capability, more capable of complex and severe working conditions and need to span the work place.



Model	<div><div></div>=Electric</div> <div><div></div>=Engine</div>	BT30ERT BT30RT	BT28ERT BT28RT	BT26SERT BT26SRT	BT26ERT BT26RT	BT24ERT BT24RT	BA28ERT BA28RT	BA24ERT BA24RT
Type	Telescopic Boom Lifts						Articulating Boom Lifts	
Size								
Max. Working Height		30.30m	28.60m	26.70m	26.32m	24.80m	28.10m	24.30m
Max. Platform Height		28.30m	26.60m	24.70m	24.32m	22.80m	26.10m	22.30m
Max. Horizontal Reach		22.70m	21.30m	19.20m	19.47m	17.30m	18.80m	16.50m
Overall Length(Stowed) A		12.25m	11.66m	10.83m	10.82m	10.25m	11.83m	9.83m
Overall Length(Transport)		11.96m	11.82m	11.12m	10.77m	10.81m	12.03m	10.03m
Overall Width(Stowed) B	2.50m							
Overall Width(Transport)	2.31m							
Overall Height(Stowed) C	2.89m							
Overall Height(Transport)	2.57m							
Platform Size(Length×Width)	2.44m×0.9m							
Turntable Tailswing	1.61m							
Ground Clearance D	0.41m							
Wheelbase E	2.8m							
Turning Radius(Inside/Outside)	1.87m/3.22m							
Tyres	385/45-28							
Up And Over Clearance							9.14m	
Max. Down Probing Depth							6.61m	4.03m
Performance								
S.W.L(Unrestricted/Restricted)	300kg/454kg	454kg				250kg	300kg	
Max. Occupants	3						2	
Gradeability	30% 45%	30% 45%	30% 45%	30% 45%	30% 45%	30% 45%	30% 45%	30% 45%
Travel Speed(Stowed)	6km/h							
Travel Speed(Raised)	1.1km/h							
Max. Working Slope	X-5°/Y-5°							
Turret Rotation	360° Continuous							
Platform Rotation	180°							
Jib Movement	130°							
Weight								
Overall Weight	18800kg	18300kg	16500kg	15990kg	14200kg	18300kg	17100kg	
Power								
Power Source	 Lithium Battery 520Ah/80V Charger 5kW/80V,12V				 Diesel Engine Deutz TD2.9 L4 55.4kW			
Hydraulic Oil Tank	150L							

