

Dingli Vertical Lifts Product Manuals



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DINGLI®
Exceed · New Height



Founded in 2005, [Zhejiang Dingli Machinery Co., Ltd.](#) is a leading manufacturer of intelligent aerial work platforms in the world, covering a total area of 710,000 square meters (175.4 acres), with a construction area of 590,000 square meters and an annual output value of more than 10 billion.

Dingli has been applying the core concepts of "Carbon Peak" and "Carbon Neutral", as well as energy saving and emission reduction throughout the whole process of corporate governance, which are mainly reflected in the green travel of employees, green park construction, green production and manufacturing, green product R&D, and green recycling re-manufacturing

Technological innovation is the core tenet of the company, Dingli has R&D centers in Italy, Germany and the USA, an Enterprise Research Institute in China, has been awarded more than 250 patents, of which more than 100 patents of invention, more than 60 foreign patents, 5 computer software copyright registration certificate, Dingli also participated in the formulation of 16 national standards and 9 industry standards, fully realizing technological globalization. Dingli's over 200 types of aerial work platforms by independent R&D that are the most in the industry, have all passed authoritative certifications such as CE in Europe and ANSI in the US, and are exported to over 80 countries and regions worldwide.

In line with the trend of electrification, greening and intelligence, Dingli has realized collaborative, green and safe manufacturing based on the "future factory" with the highest degree of automation in the industry. Electrification is the key for Dingli's energy-saving solutions to customers. Dingli is the first in the industry to electrify the entire range of products, among which the boom series with large load capacity and modular design is the first in the industry. By advocating the efficient use of recycling energy, the company has established re-manufacturing factories to provide customers with full life cycle services for products.

In order to better convey the global green development concept, Dingli has invested in MAGNI (Italy), CMEC (USA) and TEUPEN (Germany) with innovative technology as the grip, green products as the entry point, Dingli set up more than ten overseas subsidiaries, serving global customers with electric aerial work platforms.

Dingli has been recognized as a "National Manufacturing Single Item Champion Demonstration Enterprise" by the Ministry of Industry and Information Technology; been awarded the "IPAF Annual Pioneer of Aerial Work Platforms", making a zero breakthrough in this international award of Chinese manufacturing; been awarded the "IAPA 2024 Product of the Year Categories - Scissor Lifts & Vertical Masts", becoming the first Chinese winner in this industry's most authoritative international awards. Also, Dingli has been awarded "Global Top 3 Manufacturers of Aerial Work Platforms" in Access M20 2021, "Top 40 Global Construction Machinery Manufacturers". Mr. Xu Shugen, president of the board, is the first Chinese selected as a member of the IAPA judging panel, he has been awarded "2020 National High-level Talents Special Support Program Leading Talents", "2022 Zhejiang Merchants of the Year". Mr. Xu has also been honored as one of the "100 Influential People in China's Construction Machinery Industry" for consecutive years, and is one of the outstanding entrepreneurs in the "Golden Quality" of 2020 listed companies on the Shanghai Stock Exchange.

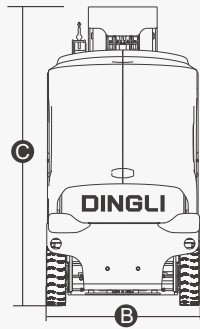
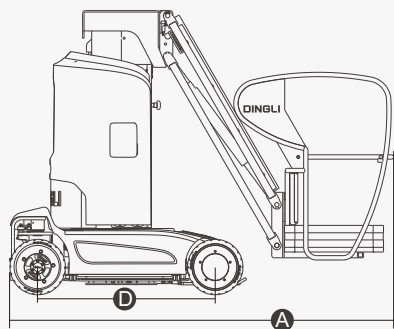
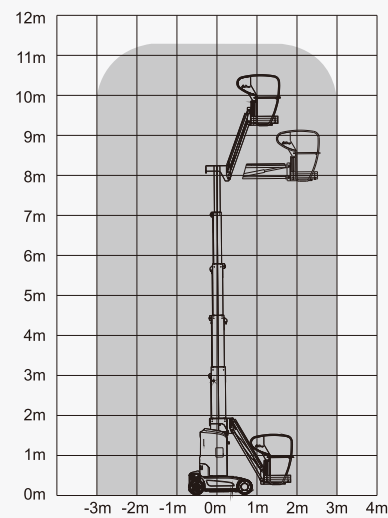
Dingli is also committed to building an equal, diverse and inclusive corporate environment, by actively empowering women to realize gender diversity in all positions in the male-dominated machinery manufacturing industry, respecting different voices to keep team innovative and resilient for a long time, promoting the development of the industry and ushering in a new era of electrification of non-road mobile machinery to lead the green transformation. Meanwhile, Dingli has built a harmonious supply chain, connected upstream and downstream to create the world's only industrial park for aerial work platforms. Dingli has been fulfilling social responsibilities establish the "HongDing Fund", and actively carry out warm-hearted volunteer service activities such as poverty relief, fundraising and disaster relief, etc.

Through the entire life cycle of enterprise ecology, "green sustainability" is becoming the focus of Dingli's high-quality development. In the future, the company will continue to upgrade the "future factories", deepen the green and energy-saving strategy, lead the "new era of electrification of non-road mobile machinery", make aerial work platforms "Made in China" shine internationally.



Self-propelled Mast Lifts

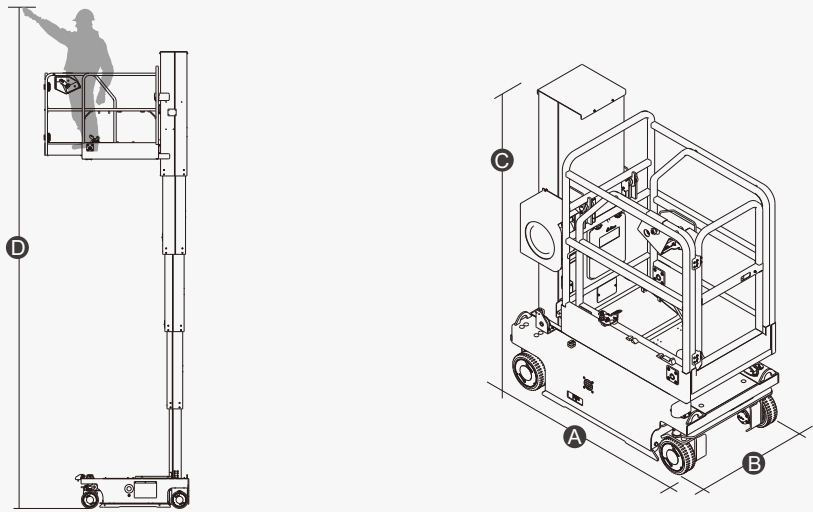
Model	MV095-J
Dimension	
Max. Working Height	11.20m
Max. Platform Height	9.20m
Overall Length A	2.62m
Overall Width B	1.00m
Overall Height C	1.99m
Platform Size(Length ×Width)	0.69m×0.93m
Ground Clearance(Stowed)	0.07m
Ground Clearance(Raised)	0.02m
Wheelbase D	1.22m
Turning Radius(Inside/Outside)	0/1.80m
Tyres	Φ381×127mm
Performance	
S.W.L	200kg
Max. Occupants (Indoor/Outdoor)	2/1
Gradeability	25%
Travel Speed(Stowed)	4.5km/h
Travel Speed(Raised)	0.5km/h
Max. Working Slope	2.5°
Up/Down Speed	42/38sec
Turret Rotation	345°
Jib Movement	+70°/-60°
Weight	
Overall Weight	2970kg
Power	
Battery	24V/200Ah
Charger	24VDC/30A
Driving Motor	2×15VAC/0.87kW
Lifting Motor	15VAC/3kW





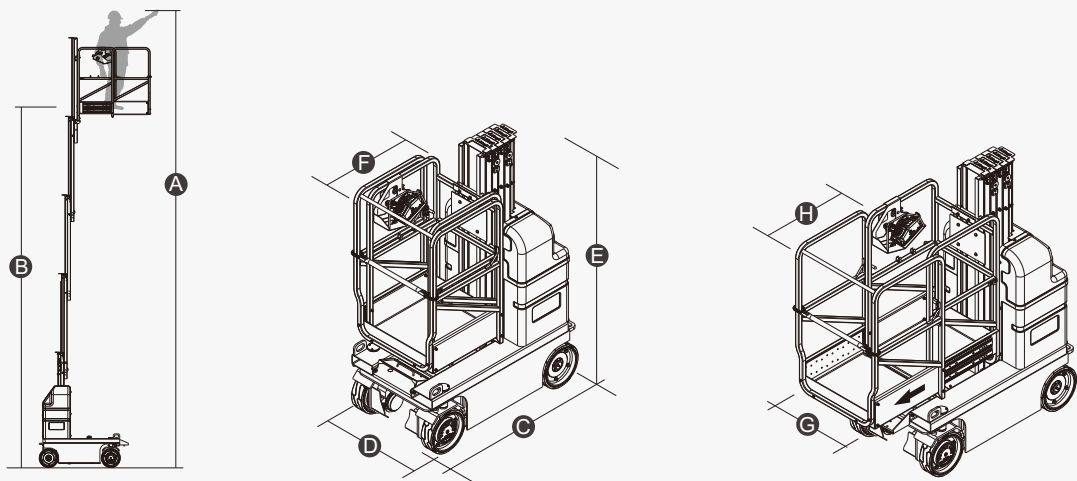
Self-propelled Mast Lifts(Pure Electric)

Model	MV050-ACE	MV060-ACE
Dimension		
Max. Working Height D	6.7m	7.6m
Max. Platform Height	4.7m	5.6m
Overall Length A	1.48m	1.63m
Overall Width B	0.76m	0.8m
Overall Height C	1.99m	1.99m
Platform Size(Length ×Width)	1×0.76m	1×0.76m
Platform Extension Size	0.5m	0.5m
Ground Clearance(Stowed)	0.06m	0.06m
Ground Clearance(Raised)	0.014m	0.014m
Wheelbase	1.21m	1.21m
Turning Radius(Inside/Outside)	0.6m/1.8m	0.6m/1.8m
Tyres	Φ230×80mm	Φ230×100mm
Performance		
S.W.L	200kg	227kg
S.W.L On Extension	113kg	113kg
Max. Occupants (Indoor/Outdoor)	1/0	1/0
Gradeability	25%	25%
Travel Speed(Stowed)	3.6km/h	3.6km/h
Travel Speed(Raised)	0.5km/h	0.5km/h
Max. Working Slope	x-1.5° Y-3°	x-1.5° Y-3°
Up/Down Speed	28s/28s	32s/32s
Weight		
Overall Weight	990kg	1380kg
Power		
Battery	24V/115Ah	2×12V/115Ah
Charger	24VDC/15A	24VDC/15A
Driving Motor	2x24VAC/0.68KW	24VAC/0.68KW
Lifting Motor	24VDC/1.4KW	24VDC/1.4KW



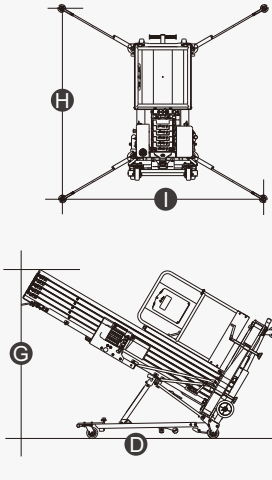
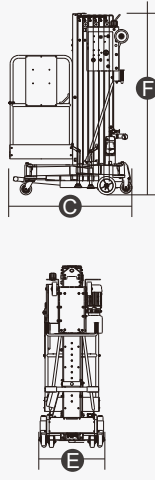
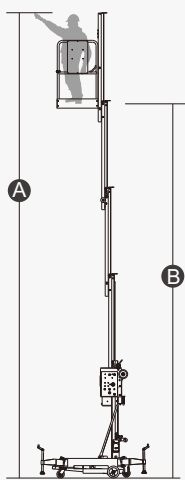
Self-propelled Vertical Lifts

Model	MV060-RS	MV075-RS
Dimension		
Max. Working Height A	8.00m	9.50m
Max. Platform Height B	6.00m	7.50m
Overall Length C	1.39m	1.44m
Overall Width D	0.76m	0.8m
Overall Height E	1.99m	1.99m
Platform Size(Length F ×Width G)	0.75m×0.73m	0.75m×0.73m
Platform Extension Size H	0.53m	0.53m
Ground Clearance(Stowed)	0.06m	0.06m
Ground Clearance(Raised)	0.014m	0.014m
Wheelbase	1.07m	1.12m
Turning Radius(Inside/Outside)	0/1.55m	0/1.58m
Tyres	Φ323×100mm	Φ323×100mm
Performance		
S.W.L	159kg	136kg
Max. Occupants	1	1
Gradeability	25%	25%
Travel Speed(Stowed)	4km/h	4km/h
Travel Speed(Raised)	0.6km/h	0.6km/h
Max. Working Slope	x-1.5° Y-3°	x-1.5° Y-3°
Up/Down Speed	23/25sec	29/32sec
Weight		
Overall Weight	1285kg	1535kg
Power		
Battery	24V/115Ah	24V/115Ah
Charger	24VDC/15A	24VDC/15A
Driving Motor	2×24VDC/1kW	2×24VDC/1kW
Lifting Motor	24VDC/2kW	24VDC/2kW



Mobile Vertical Lifts

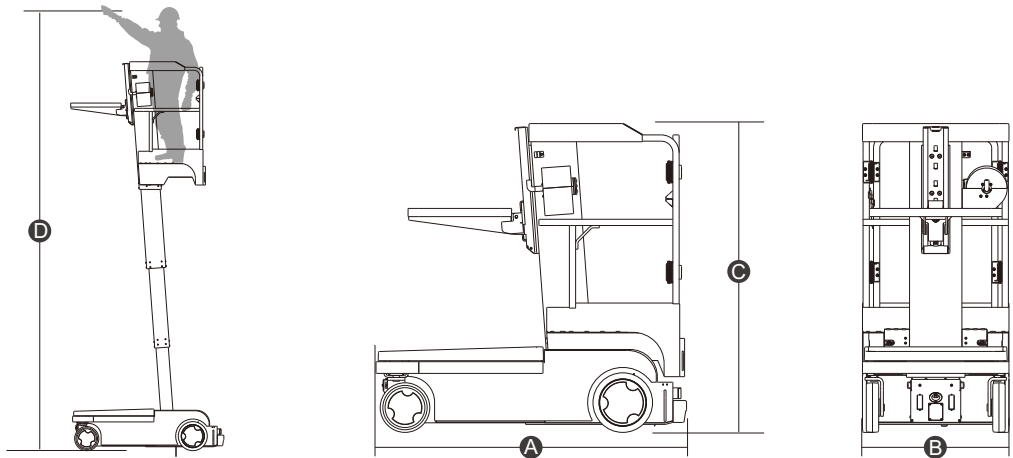
Model	MV075-E	MV090-E	MV105-E	MV120-E
Dimension				
Max. Working Height A	9.50m	11.00m	12.50m	14.00m
Max. Platform Height B	7.50m	9.00m	10.50m	12.00m
Overall Length(Stowed) C	1.30m	1.34m	1.53m	1.53m
Overall Length(Tilted Back) D	/	/	2.63m	2.95m
Overall Width E	0.75m	0.75m	0.75m	0.75m
Overall Height(Stowed) F	1.99m	1.99m	2.35m	2.77m
Overall Height(Tilted Back) G	/	/	1.70m	1.95m
Outrigger Footprint(Length H /Width I)	1.70/1.86m	1.70/1.86m	2.08/2.15m	2.08/2.15m
Platform Size(Length ×Width)	0.70×0.60m	0.70×0.60m	0.70×0.60m	0.70×0.60m
Ground Clearance	0.055m	0.055m	0.055m	0.055m
Tyres(Front)	Φ127×50mm	Φ127×50mm	Φ127×50mm	Φ127×50mm
Tyres(Back)	Φ203×50mm	Φ203×50mm	Φ203×50mm	Φ203×50mm
Performance				
S.W.L	150kg	150kg	150kg	136kg
Max. Occupants	1	1	1	1
Up/Down Speed	28/18sec	34/22sec	40/26sec	45/29sec
Weight				
Overall Weight - AC	430kg	450kg	530kg	570kg
Overall Weight - DC	453kg	470kg	560kg	600kg
Power				
Battery	12V/85Ah	12V/85Ah	12V/85Ah	12V/85Ah
Charger	12VDC/15A	12VDC/15A	12VDC/15A	12VDC/15A
Lifting Motor- AC	220VAC/1.5kW	220VAC/1.5kW	220VAC/1.5kW	220VAC/1.5kW
Lifting Motor - DC	12VDC/1.5kW	12VDC/1.5kW	12VDC/1.5kW	12VDC/1.5kW



(Only For GTWY12.5/14-1300)

Order Picker Lifts

Model	OPT0507
Dimension	
Max. Working Height D	4.99m
Max. Platform Height	2.99m
Overall Length A	1.59m
Overall Width B	0.75m
Overall Height C	1.59m
Ground Clearance	0.04m
Wheelbase	1.11m
Turning Radius(Inside/Outside)	0/1.3m
Front	Φ254×63.5mm
Back	Φ305×63.5mm
Performance	
S.W.L Of Platform(For Person)	135kg
S.W.L Of Pallet(For Goods-Up)	90kg
S.W.L Of Pallet(For Goods-Down)	115kg
Max. Occupants	1
Forward Speed(Stowed)	4.8km/h
Back Speed(Stowed)	3.2km/h
Travel Speed(Raised)	1.3km/h
Up/Down Speed	18s/18s
Gradeability	15%
Weight	
Overall Weight	640kg
Power	
Battery	24V/115Ah
Charger	24V/15A
Driving Motor	2×24V/0.68kW
Lifting Motor	24V/1.4kW



Self-propelled Aerial Stock Picker

Model	TT37	TT45	TT48
Dimension			
Max. Working Height A	5.70m	6.50m	6.80m
Max. Platform Height B	3.70m	4.50m	4.80m
Overall Length C	1.56m	1.59m	1.59m
Overall Width D	1.06m	1.06m	1.06m
Overall Height E	2.42m	2.28m	2.38m
Platform Size(Length ×Width)	1.18m×0.80m	1.18m×0.80m	1.18m×0.80m
Ground Clearance	0.08m	0.08m	0.08m
Wheelbase	1.27m	1.30m	1.30m
Tyres(Front)	0.15m	0.15m	0.15m
Tyres(Back)	Φ230×80mm	Φ230×80mm	Φ230×80mm
Performance			
S.W.L	300kg	300kg	300kg
Max. Occupants (Indoor/Outdoor)	1/0	1/0	1/0
Travel Speed(Stowed)	4.0km/h	4.0km/h	4.0km/h
Travel Speed(Raised)	0.8km/h	0.8km/h	0.8km/h
Up/Down Speed	22/19sec	20/17sec	21/18sec
Gradeability	25%	25%	25%
Max. Working Slope	1.5°/2°	1.5°/2°	1.5°/2°
Weight			
Overall Weight	720kg	840kg	855kg
Power			
Battery	24V/105Ah	24V/105Ah	24V/105Ah
Charger	24V/30A	24V/30A	24V/30A
Driving Motor	24V/0.4kW	24V/0.4kW	24V/0.4kW
Lifting Motor	24V/2.2kW	24V/2.2kW	24V/2.2kW

