

Our Unmatched Results ///

World Rank in MEWP Manufacturer*

3rd Rank

Market Share*

40% +

Countries Exported*

80+

Equipments Sold in India*

600+ Units

Happy Customers*

250+

Patents*

300+

SAARC Team Size*

50+ Service Engineers

DINGLI AWP INDIA PVT. LTD.

Sahney Towers, 81, First Floor,
Poonamallee High Road,
Nerkundram, Chennai, Tamil Nadu - 600 107
M - +91-98846 48464
E - support@dinglisaarc.com / customerrelations@dinglisaarc.com
www.dinglisaarc.com

As the technology is constantly updated, technical parameters are subject to change without notice. This manual is for reference only
The copyright is owned by Zhejiang Dingli. No content may be copied or plagiarize for any purpose without written permission.
JANUARY 2022 edition

*Provided Data is calculated at set time

Dingli Vertical Lifts Product Manuals

 Electric  Oil-free



DINGLI®
Exceed · New Height

Scaling heights with precision & innovation.



Established in 2005, Dingli is one of the top 3 global industry leader with presence in 80 countries and regions including USA, Germany, and Japan.

The 4 factories of Dingli are built with the highest levels of automation, and focus on digital design, intelligent production & management, and collaborative eco-friendly manufacturing.

Dingli has dedicated R&D centers in the USA, Germany, and Italy, that focuses on innovation and enhanced productivity, technological innovation as the core tenet.

Dingli has independently developed more than 200 types of aerial work platforms that are widely applied in construction, commercial, and industrial fields in India and beyond.

Owning about 45% market share in India, Dingli has a dynamic team of professionals who are dedicated towards delivering excellence, and a strong network of dealers who play a vital role in ensuring that Dingli stays closer to its customer base.

Dingli's global presence focuses on delivering value backed by expertise and commitment. The transparent processes, superior quality, and 24/7 customer support has made Dingli a reliable industry leader in India.

Invested in a sustainable future, Dingli has adopted the core concepts of "carbon peak" and "carbon neutral" into its corporate governance process. This includes eco-friendly park construction, manufacturing, R&D, recycling & re-manufacturing, and green travel for employees.

In line with the trend of electrification, green energy, and intelligent innovations, Dingli has a comprehensive range of electric powered products.

Dingli will continue to deepen its R&D, production, and intelligent manufacturing process. Dingli is focused on implementing the new era of electrification of 'non-road mobile machinery' to lead a green transformation and provide long term energy saving solutions to our customers.

/// Dingli's Unique Strengths.

Owens 300+ patents for excellence in technological inventions

Has a current population of 600+ units to serve the customers in India

First in the industry to complete the electrification of a full range of products

Sole manufacturer of large load and modular electric boom lifts

/// Our Certifications

Country specific standards
Europe - CE(TUV), USA - ANSI, Australia - AS/NZ1418, Russia - CU-TR, Japan - JIS, Korea - KC

International standards
ISO 9001, ISO 14001, OHSAS18001

/// Awards & Accolades

IPAF's Annual Pioneer of Aerial Work Platforms

Access M20 Global Top 3 Manufacturers of Aerial Work Platforms

British KHL group's Top 50 Global Construction Machinery Manufacturers

/// Global Outreach

Dingli has established 10 overseas branches to facilitate a global sales network and has successfully invested in

1. **MAGNI**, a world renown telescopic handler enterprise in Ital
2. **MEC**, USA
3. **TEUPEN**, a global leader in spider aerial work platforms, Germany.

Vertical Lifts World's First Oil Free & All Electric AWP Series

Dingli's revolutionary oil free aerial work platforms use electric actuators in place of hydraulic cylinders for lifting, lowering, and steering. Designed for smoother, quieter, and sustainable operations, Dingli's Oil free range eliminates the chances of leaks, while ensuring reduced power consumption and simplified maintenance.

/// Why Dingli Oil Free Vertical Lifts.

- | | | | |
|--|---|--|---|
| 1
Zero emission environmentally friendly | 2
Saves more than 30% of energy | 3
Elevated running time from a single charge | 4
Eliminates the risk of oil leaks & spills |
| 5
Low maintenance and reduced downtime | 6
Less incidence of mechanical issues | 7
No risk of soil or groundwater contamination hazards | 8
Lowest cost of ownership |

/// From Hydraulics to Electrics: Dingli's Silent Sustainability



- Proportional joystick controls
- Self gravity lowering system
- One-way platform extension deck
- Drivable at full height
- Automatic braking system
- Two way driving & steering
- Stack sinking design
- Compact and stable
- Easy entry elevator
- Maintenance free permanent magnet synchronous motor and AGM battery
- Reinforced with electric linear actuators
- Emergency descent system & Tilt alarms
- Built-in position sensors
- Real time data monitoring system
- Enhanced temperature, load, and variable torque controls

Vertical Lifts
Oil Free & All Electric AWP Series



PROPORTIONAL JOY-STICK CONTROLS

Dingli's joystick uses proportional drive controls to determine the movement of the device. The driving functions and directions are dependent upon the amount of pressure or force applied to the control. This facilitates better maneuvering control. Electronic joysticks create analogue electrical outputs to control and operate the lift.

COMPACT & STABLE

Equipped with a self-gravity lowering system and built-in position sensors, Dingli's oil free range is sturdy and compact.




PERFECT FOR INDOOR APPLICATIONS

Ensuring safe eco-friendly elevations at maintenance-free ease, Dingli's revolutionary oil-free lift is perfect for indoor applications as there are no oil spills or harmful emissions.

TWO WAY DRIVING & STEERING

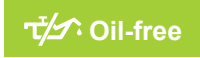
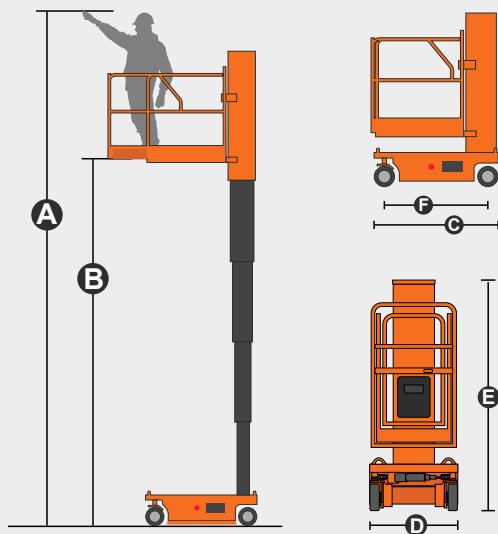
Two-wheel drive vehicles enhance operational efficiency by using less energy to power the wheels. The two-way steering ensures the rear wheels follow the path of the front wheels. This facilitates a seamless movement.



		
8m	7m	5m
AMWP8-8100L	AMWP7-8100L AMWP7-8100	OPT0507

Applications

- Construction
- Cleaning & Maintenance
- Oil & Gas
- Mining
- Refineries
- Inspection
- Installations
- Power Industries
- Hospitality
- Entertainment Industry



Self-propelled Mast Lifts(Pure Electric)

Model	AMWP8-8100L
Dimension	
Max.Working Height A	7.60m
Max.Platform Height B	5.60m
Overall Length C	1.60m
Overall Width D	0.80m
Overall Height E	1.99m
Platform Size(Length/Width)	1.00m×0.76m
Platform Extension Size	0.50m
Ground Clearance(Stowed/Raised)	0.06m/0.014m
Wheelbase F	1.21m
Turning Radius(Inside/Outside)	0.60m/1.80m
Tyres	Φ230×100mm

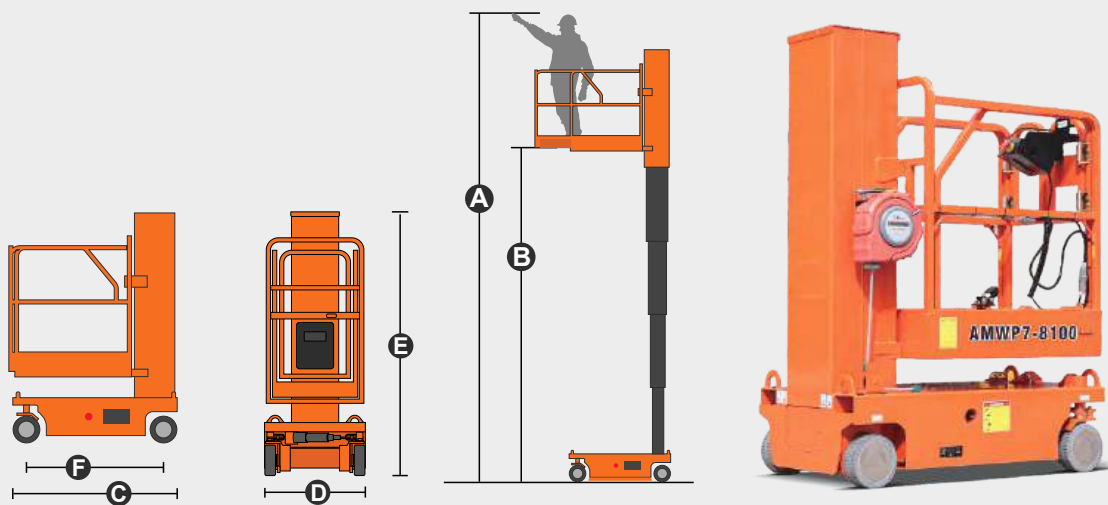
Performance	
S.W.L	227kg
S.W.L On Extension	113kg
Max. Occupants	1
Gradeability	25%
Travel Speed(Stowed)	3.6km/h
Travel Speed(Raised)	0.5km/h
Max. Working Slope	X-1.5°/Y-3°
Up/Down Speed	32/32sec

Weight	
Weight	1380kg

Power	
Battery	2×12V/115Ah
Charger	24VDC/15A
Drive Motor	2×24VAC/0.68kW
Lifting Motor	24VDC/1.40kW



HYDRAULIC OIL FREE



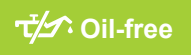
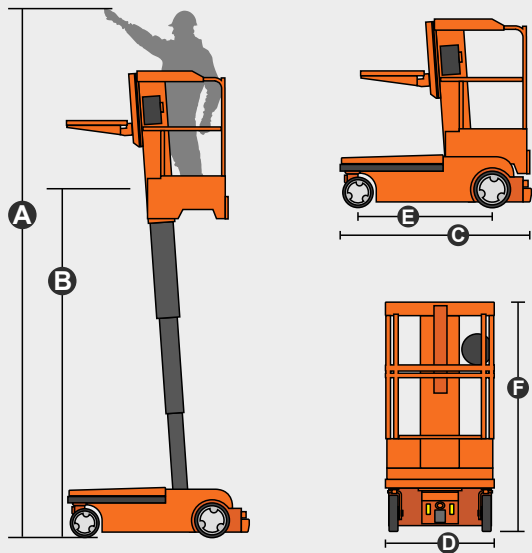
Self-propelled Mast Lifts(Pure Electric)

Model	AMWP7-8100	AMWP7-8100L
Dimension		
Max.Working Height A	6.70m	6.70m
Max.Platform Height B	4.70m	4.70m
Overall Length C	1.45m	1.48m
Overall Width D	0.76m	0.76m
Overall Height E	1.99m	1.99m
Platform Size(Length/Width)	1.00m×0.76m	1.00m×0.76m
Platform Extension Size	0.50m	0.50m
Ground Clearance(Stowed/Raised)	0.06m/0.014m	0.06m/0.014m
Wheelbase F	1.21m	1.21m
Turning Radius(Inside/Outside)	0.60m/1.80m	0.60m/1.80m
Tyres	Φ230×80mm	Φ230×80mm

Performance		
S.W.L	230kg	230kg
S.W.L On Extension	113kg	113kg
Max. Occupants	2	2
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	28/28sec	28/28sec

Weight		
Weight	1350kg	990kg

Power		
Battery	2×12V/115Ah	2×12V/115Ah
Charger	24VDC/15A	24VDC/15A
Drive Motor	2×24VAC/0.5kW	2×24VAC/0.68kw
Lifting Motor	24VDC/2.2kW	24VDC/1.4kw



Order Picker Lifts

Model	OPT0507
Dimension	
Max. Working Height A	4.99m
Max. Platform Height B	2.99m
Overall Length C	1.59m
Overall Width D	0.75m
Overall Height E	1.59m
Ground Clearance	0.04m
Wheelbase F	1.11m
Turning Radius(Inside/Outside)	0m/1.30m
Tyres	
- Front	Φ 254×63.50mm
- Back	Φ 305×63.50mm

Performance	
S.W.L	
- 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
Gradeability	15%
Speed	
- Forward Speed(Stowed)	4.8km/h
- Back Speed(Stowed)	3.2km/h
- Travel Speed(Raised)	1.3km/h
Max. Working Slope	0°
UP/Down Speed	18/18sec

Weight	
Weight	640kg

Power	
Battery	24V/115Ah
Charger	24V/15A
Drive Motor	2×24VDC/0.68kW
Lifting Motor	24VDC/1.20kW

Self Propelled Vertical Lifts

Navigate Confined Spaces with Ease.

Designed to make smaller footprints than other aerial platforms, Dingli's vertical lifts provide high vertical reach in confined spaces. Equipped with zero degree turn radius and exceptional versatility in maneuvering tight locations, Dingli's vertical lift can seamlessly pass through spaces obstructed by infrastructure, standard doorways, and in between tight racks.

Why Dingli Vertical Lifts.

- 1

Unmatched patented technology
- 2

Lowest cost of ownership
- 3

Best cost to benefit advantage
- 4

Low maintenance & quick replacement of parts
- 5

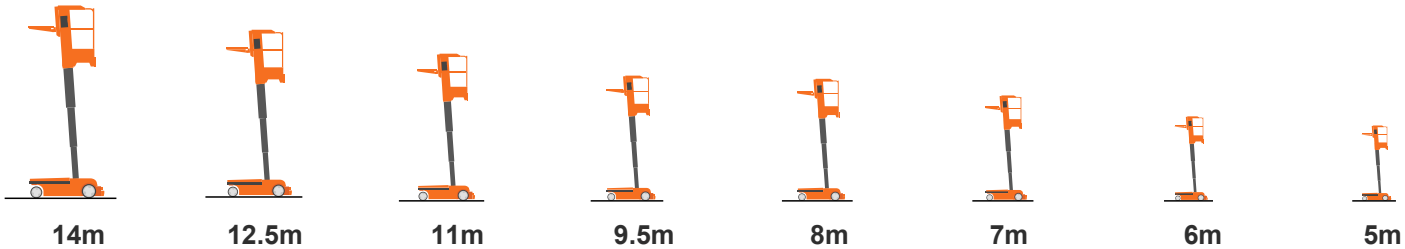
Less incidence of mechanical issues
- 6

Versatility and convenience

Redefining Tight Spaces: Dingli's Vertical Lift Excellence.



- Proportional controls for easy maneuver
- Drivable at full height
- Non marking tyre
- Self-lock gate on-platform
- 2 wheel driving
- Automatic brake & emergency lowering system
- Tilt sensor with alarm & emergency stop button
- Onboard diagnostic system for data collection & analysis



AMWP 11.5-8100			
AMWP11.5-8200AC		AMWP9.5-1200	AMWP8-1200
GTWY14-2100	GTWY12.5-2100	GTWY11-2100	GTWY9.5-2100
GTWY14-1300	GTWY12.5-1300	GTWY11-1300	GTWY9.5-1300
		ZDYT 3-4.5S	ZDYT 3-3.7S
		ZDYT 3-3.0S	
		DYT 2-4.5S	DYT 2-3.7SW
		DYT 2-2.7S	

Self Propelled Mast Lifts

Working Height - Between 7m-11.2m
Max Working Slope - 2.5°
Power - Battery & Electric

- 345° turret rotation
- Flashing beacon
- Swing out components cover
- Horn
- All motion alarm

Self Propelled Vertical Lifts

Working Height - Between 3m-9.5m
Max Working Slope - X-1.5°/Y-3°
Power - Battery operated with integrated charger

- Two controllers operation for better synchronisation
- Electric limit switch for enhanced protection
- Levelling sensors
- Drivable at full height
- Overload sensors with alarm
- Transport Tie Hole
- Forklift pockets

Mobile Vertical Lifts

Working Height - Between 3m-14m
Max Working Slope - 0°
Power - Battery operated with integrated charger

- Tilt Back Frame (in 2 models)
- Swing outriggers with interlock
- Easy loading in pick-up trucks
- Two controllers operation
- Levelling sensor, Deadman switch
- Forklift pockets & Transport Tie Hole

Order Picker Lifts

Working Height - Between 3m-4.99m
Max Working Slope - 0°
Power - Battery operated

- Flashing beacon
- Gravity induction protection (double foot pedal induction)
- No oil leaking system
- Interlocking door
- Station sensor
- Hand sensor

Self Propelled Mobile Aerial Stock Picker

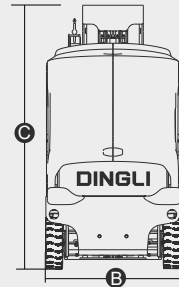
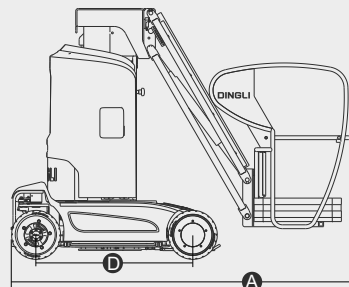
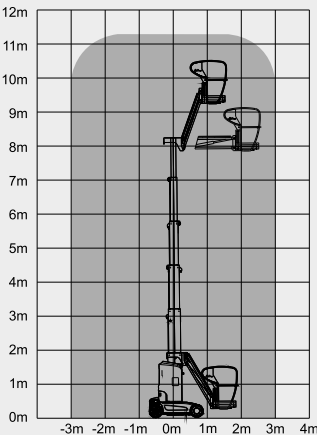
Working Height - Between 3m-6.50m
Max Working Slope - 1.5°/2°
Power - Battery operated with integrated charger

- Overload sensor with alarm
- Flashing beacon
- All motion alarm
- Hour meter
- Horn

Mobile Aerial Stock Picker

Working Height - Between 3m-6.50m
Max Working Slope - 1°
Power - Battery operated with integrated charger

- Two brakes and two brake pads
- Voltage indicator
- Safety bracket
- Drawal type battery box
- Overload sensor with alarm
- Flashing beacon



Self-propelled Mast Lifts

Model	AMWP 11.5-8100
Size	
Max. Working Height	11.20m
Max. Platform Height	9.20m
Max. Horizontal Reach	3.00m
Up and Over Height	7.89m
Overall Length A	2.53m
Overall Width B	1.00m
Overall Height C	1.99m
Platform Size(Length/Width)	0.62m×0.87m
Ground Clearance(Stowed)	0.07m
Ground Clearance(Raised)	0.019m
Wheelbase D	1.22m
Turning Radius(Inside/Outside)	0.23m/1.65m
Tyres	Φ381×127mm

Performance	
S.W.L	200kg
Max. Occupants	2
Gradeability	25%
Max. Working Slope	X-2.5°/Y-2.5°
Turret Rotation	345°
Jib Movement	130°
Travel Speed(Stowed)	4.5km/h
Travel Speed(Raised)	0.5km/h
Up/Down Speed	42/38sec

Weight	
Overall Weight	2950kg

Power	
Battery	24V/240Ah
Charger	24V/30A
Driving Motor	24V/1.5kW
Lifting Motor	24V/3.0kW



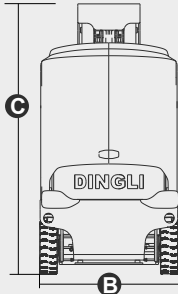
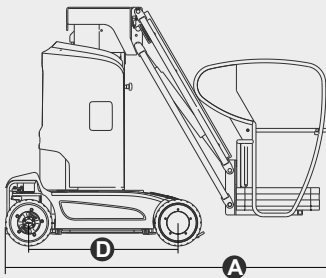
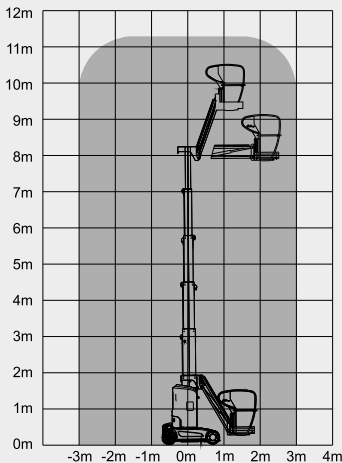
Self-propelled Mast Lifts

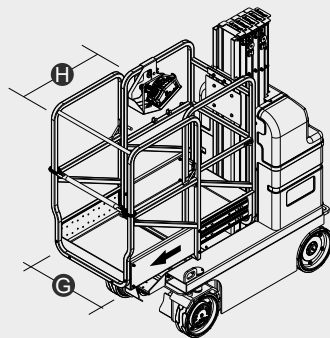
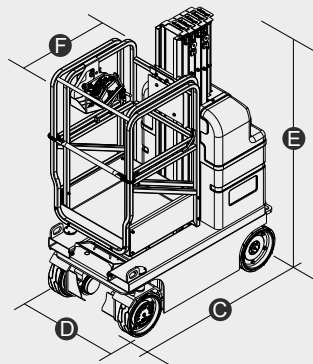
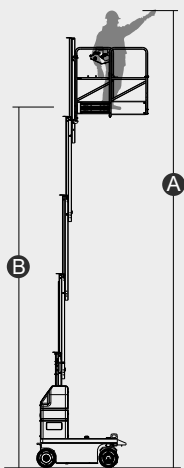
Model	AMWP 11.5-8200AC
Dimension	
Max. Working Height	11.20m
Max. Platform Height	9.20m
Overall Length A	2.62m
Overall Width B	1.00m
Overall Height C	1.99m
Platform Size(Length/Width)	0.69m×0.93m
Ground Clearance(Stowed)	0.07m
Ground Clearance(Raised)	0.02m
Wheelbase D	1.22m
Turning Radius(Inside/Outside)	0m/1.80m
Tyres	Φ381×127mm

Performance	
S.W.L	200kg
Max. Occupants(Indoor/Outdoor)	2/1
Gradeability	25%
Max. Working Slope	X-2.5°/Y-2.5°
Turret Rotation	345°
Jib Movement	130°
Travel Speed(Stowed)	4.5km/h
Travel Speed(Raised)	0.5km/h
Up/Down Speed	42/38sec

Weight	
Overall Weight	2970kg

Power	
Battery	24V/200Ah
Charger	24VDC/30A
Driving Motor	2x15VAC/0.87kW
Lifting Motor	15VAC/3kW
Hydraulic Tank	9L





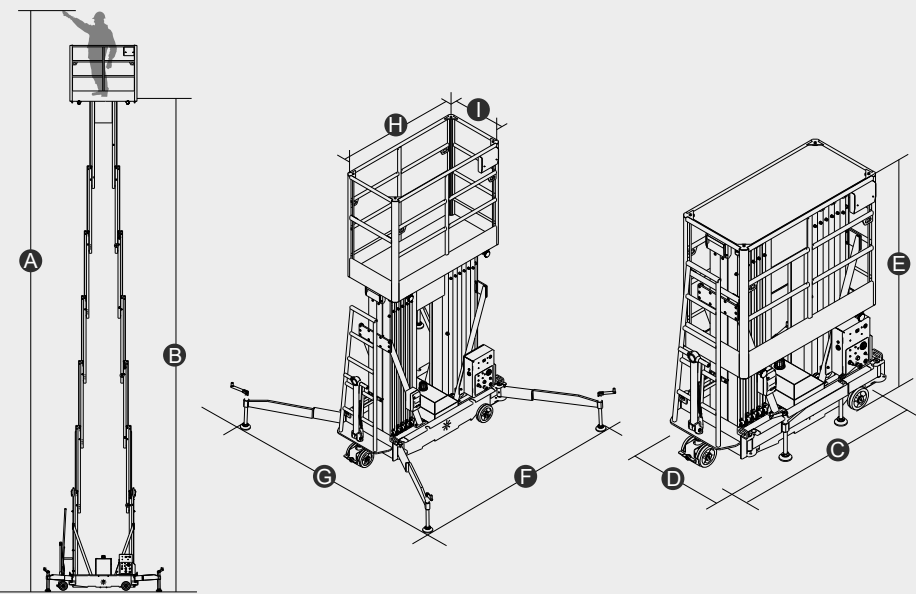
Self-propelled Vertical Lifts

Model	AMWP8-1200	AMWP9.5-1200
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	0.80m
Overall Height E	1.99m	1.99m
Platform Size(Length F ×Width G)	0.73m×0.75m	0.73m×0.75m
Platform Extension Size H	0.53m	0.53m
Ground Clearance(Stowed)	0.06m	0.06m
Ground Clearance(Raised)	0.019m	0.019m
Wheelbase	1.07m	1.12m
Turning Radius(Inside/Outside)	0/1.55m	0/1.60m
Tyres	Φ323×100mm	Φ323×100mm

Performance		
S.W.L	159kg	136kg
Max. Occupants	1	1
Gradeability	25%	25%
Max. Working Slope	X-1.5°/Y-3°	X-1.5°/Y-3°
Travel Speed(Stowed)	4.0km/h	4.0km/h
Travel Speed(Raised)	1.1km/h	1.1km/h
UP/Down Speed	23/25sec	29/32sec

Weight		
Weight	1285kg	1535kg

Power		
Battery	2×12V/115Ah	2×12V/115Ah
Charger	24V/15A	24V/15A
Drive Motor	2×24VDC/1.0kW	2×24VDC/1.0kW
Lifting Motor	24VDC/2.0kW	24VDC/2.0kW



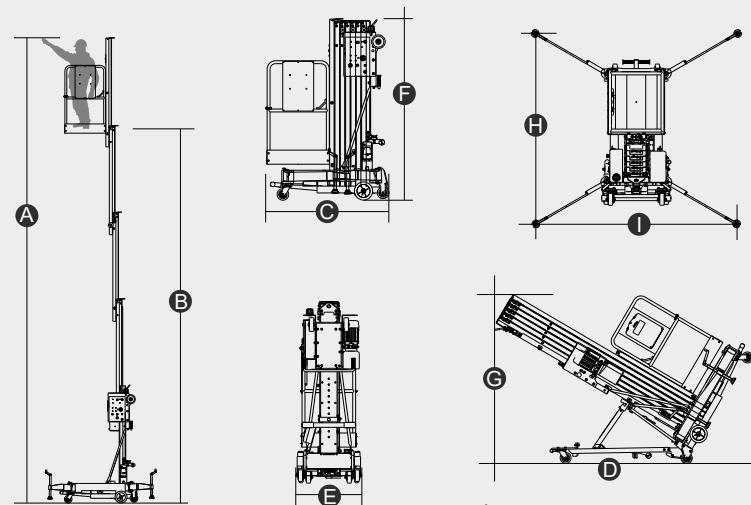
Mobile Vertical Lifts

Model	GTWY9.5-2100	GTWY11-2100	GTWY12.5-2100	GTWY14-2100
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	1.56m	1.70m	1.70m	1.70m
Overall Width(Stowed) D	0.82m	0.82m	0.82m	0.82m
Overall Height(Stowed) E	1.99m	1.99m	1.99m	2.37m
Outrigger Footprint(Length F ×Width G)	1.76m/1.66m	2.31m/2.39m	2.31m/2.39m	2.31m/2.39m
Platform Size(Length H ×Width I)	1.27m×0.65m	1.40m×0.65m	1.40m×0.65m	1.40m×0.65m
Ground Clearance	0.055m	0.055m	0.055m	0.055m
BackSize	0.18m	0.18m	0.18m	0.18m
FrontSize	0.18m	0.18m	0.18m	0.18m

Performance				
S.W.L	300kg	300kg	250kg	200kg
Max. Occupants	2	2	2	2
Up/Down Speed	55/38sec	62/40sec	62/42sec	75/45sec

Weight				
Weight - AC	630kg	780kg	820kg	1020kg
Weight - DC	690kg	840kg	880kg	1080kg

Power				
Battery	2×12V/85Ah	2×12V/85Ah	2×12V/85Ah	2×12V/85Ah
Charger	12V/15A	12V/15A	12V/15A	12V/15A
Lifting Motor - AC	220VAC/1.5kW	220VAC/1.5kW	220VAC/1.5kW	220VAC/1.5kW
Lifting Motor - DC	12VDC/2.5kW	12VDC/2.5kW	12VDC/2.5kW	12VDC/2.5kW



(Only For GTWY12.5/14-1300)



Mobile Vertical Lifts

Model	GTWY9.5-1300	GTWY11-1300	GTWY12.5-1300	GTWY14-1300
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	3.04m
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)	1.70m/1.86m	1.70m/1.86m	2.08m/2.15m	2.08m/2.15m
Platform Size(Length×Width)	0.70m×0.60m	0.70m×0.60m	0.70m×0.60m	0.70m×0.60m
Ground Clearance	0.055m	0.055m	0.055m	0.055m
Tyres(Front)	0.20m	0.20m	0.20m	0.20m
Tyres(Back)	0.13m	0.13m	0.13m	0.13m

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				
Weight - AC	430kg	450kg	530kg	559kg
Weight - DC	453kg	470kg	553kg	588kg

Power				
Battery	12V/85Ah	12V/85Ah	12V/85Ah	12V/85Ah
Charger	12V/15A	12V/15A	12V/15A	12V/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



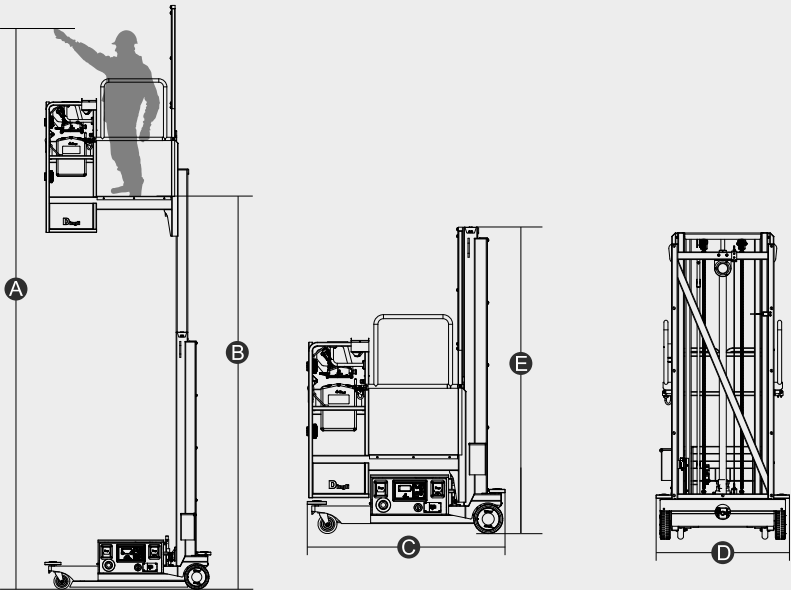
Self-propelled Aerial Stock Picker

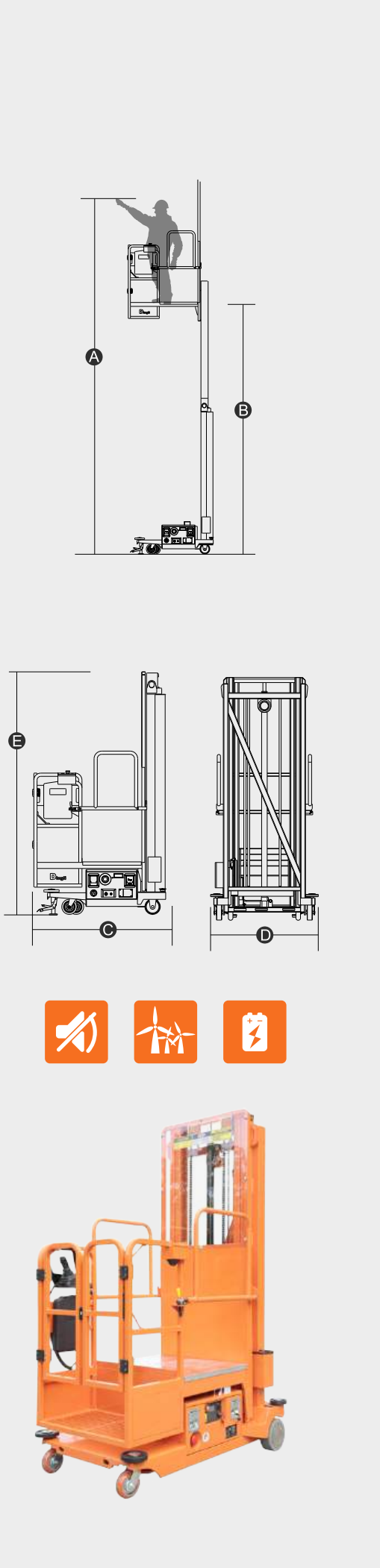
Model	ZDYT 3-3.0S	ZDYT 3-3.7S	ZDYT 3-4.5S
Dimension			
Max. Working Height A	5.00m	5.70m	6.50m
Max. Platform Height B	3.00m	3.70m	4.50m
Overall Length C	1.56m	1.56m	1.59m
Overall Width D	1.06m	1.06m	1.06m
Overall Height E	2.07m	2.42m	2.28m
Platform Size(Length×Width)	0.71m×0.80m	0.71m×0.80m	0.71m×0.80m
Ground Clearance	0.08m	0.08m	0.08m
Wheelbase	1.27m	1.27m	1.30m
Turning Radius	0	0	0
Tyres(Drive Motors)	Φ230×80mm	Φ230×80mm	Φ230×80mm
Tyres(Front)	0.15m	0.15m	0.15m

Performance			
S.W.L	300kg	300kg	300kg
Max. Occupants	1	1	1
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	18/17sec	22/19sec	20/17sec
Gradeability	25%	25%	25%
Max. Working Slope	X-1.5°/Y-2°	X-1.5°/Y-2°	X-1.5°/Y-2°

Weight			
Weight	690kg	720kg	840kg

Power			
Battery	2×12V/105Ah	2×12V/105Ah	2×12V/105Ah
Charger	24V/30A	24V/30A	24V/30A
Drive Motor	2×24VDC/0.4kW	2×24VDC/0.4kW	2×24VDC/0.4kW
Lifting Motor	24V/2.2kW	24V/2.2kW	24V/2.2kW





Mobile Aerial Stock Picker

Model	DYT 2-2.7S	DYT 2-3.7SW	DYT 2-4.5S
Dimension			
Max. Working Height A	4.70m	5.70m	6.50m
Max. Platform Height B	2.70m	3.70m	4.50m
Overall Length C	1.38 m	1.38m	1.42m
Overall Width D	1.06 m	1.06m	1.08m
Overall Height E	1.89 m	2.39m	2.28m
Platform Size(Length×Width)	0.64m×0.80m	0.64m×0.80m	0.64m×0.80m
Ground Clearance	0.08m	0.08m	0.08m
Wheelbase	0.92m	0.92m	0.95m
Tyres(Front Wheels)	0.15m	0.15m	0.15m
Tyres(Back Wheels)	Φ152×55mm	Φ152×55mm	Φ152×55mm
Performance			
S.W.L	300kg	300kg	300kg
Max. Occupants	1	1	1
Up/Down Speed	22/12sec	33/18sec	30/17sec
Max. Working Slope	1°	1°	1°
Weight			
Weight	460kg	490kg	605kg
Power			
Battery	2×12V/85Ah	2×12V/85Ah	2×12V/85Ah
Integrated Charger	12V/30A	12V/30A	12V/30A
Lifting Motor	12VDC/1.6kW	12VDC/1.6kW	12VDC/1.6kW