

# Mantall®

美通重工



**RACK PLUS**  
Industrial Storage Solutions

# About Us

Mantall Heavy Industry Co., Ltd. is a professional enterprise of manufacturing aerial work platforms. Our company is located in Binhai Industrial Park, Qidong City, Jiangsu Province. The travel is very convenient. It is only 92 kilometers far from Shanghai Putong Airport and 62 km far from Shanghai Waigaoqiao Dock. The company's new production base is overall covering an area of 72,000 square meters, with a total construction area of 35,000 square meters.

Our company mainly engaged in aerial work platforms design development, production and sales. Mantall Heavy Industry Co., Ltd. provides high-quality, low cost aerial work platforms for customers as their responsibility. Our company continuously improves existing products and at the same time producing new products to meet different needs of different customers. The product has the characteristic of novel design, smooth up and down and safe operation, and so on. Our product widely used in industrial and mining enterprises, railways, highways, airports, ships and electrical power industry and so on for high-altitude inspection and maintenance, installation, maintenance; warehouses, docks, production line of cargo load and unload, transportation and stocking; Stadiums, halls and other high buildings layout, decoration, maintenance and cleaning work, can greatly improve its work efficiency.

Our company has large-scale cutting, bending, welding, painting and other specialized equipment and strong technical expertise team of engineers and professional after-service personnel. Our company has a sound organization structure; personnel have good practical operation ability, effective organization of production and reliable logistics. Our company has production, sales and rental service, provides the most suitable equipment and services for different customers.

Mantall Heavy Industry Co., Ltd. insisted on "people-oriented, standardized operation, development and innovation, efficient implementation" as business philosophy, adhere to the "innovation, truth, integrity, excellence" spirit of enterprise, and actively implement group operation and international operational strategy in order to focus on aerial work platforms technical development and achieved fruitful results. With technical superiority, innovation and brand advantages, the company's overall innovation ability and integral ability has a rapidly improvement. Our company wants to become the first class in our country and international renowned aerial work platforms manufacturers.





## Customer first

Mantall's goal is to help customers achieve success, to win the markets with quality and promote the enterprise with innovation.

Mantall's prior goal is to help customers achieving success by solving problems, increasing working efficiency and lowering management cost. We give top priority to quality of products by continuous innovation and shoulder the responsibility to provide customers with safe and efficient products.

### Mantall 360°Service

Focus, Dedication, Sincerity, Care, Earnest

Only sincere treatment with customers can be trusted by them, and benefit for Mantall's development!

We are always listening to customers' suggestions, and we think only the reasonable service can serve customers well. Our service team supply users 7\*24hours uninterrupted "matching service".

Mantall build unique file for every customer and each equipment, so that we can provide the necessary service for customers quickly.

### Mantall products following the standards:

GB25849-2010

ANSI/SIA A92.5 ANSI/SIA A92.6 CSA CAN3-B354.2-M82 AS1418.10 EN280

### China Ping An Insurance Co., Ltd. Warranty

Standard: ISO 9001:2008 ISO14001: 2004 GB/T28001-2001



***Mantall make your work easier***

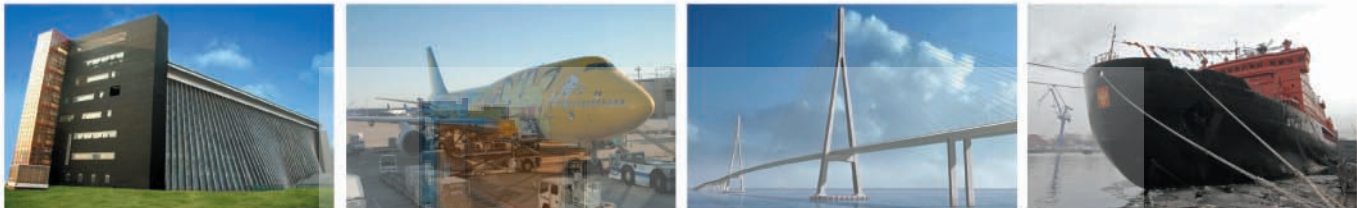
# Mantall only provides products with high quality and competitive price

Mantall's goal is to provide customers with "high quality, low cost" products. Let users work more efficiency and safely in any time and any place.

Mantall only provide you with suitable products according to your demands. Our design inspiration is from customers, we'll take "the customer as the center", seriously listen to the advice of customers, and reflected in the design, such as different option device, mobility, stowed size, all of that reflect Mantall's philosophy "take the customer as center".

Mantall insist on that: do not use inferior materials for more profit and decline in the quality of the product; Compared with other companies, even the nuances of products can not inferior; no matter what the situation is, do not decline the quality to save the cost.

Mantall products widely used in: construction, electrical power industry, ships, municipal engineering, bridge construction, exhibition, advertisement, storage, docks and airports, etc.



## Terminal customers



# Mantall Full Range Of Products

## Model

### XE-Mini SERIES ELECTRIC SCISSOR LIFT

1

XE-50mini  
XE-60mini  
XEM-50mini  
XEM-60mini

### XD-SERIES SELF-PROPELLED ROUGH TERRAIN SCISSOR LIFT

5

XD-100RT  
XD-120RT  
XD-140RT  
XDW-120RT  
XDW-150RT  
XDW-180RT

### XE-SERIES ELECTRIC SELF-PROPELLED SCISSOR LIFT

9

XE-65N  
XE-80N  
XE-80C  
XE-80W  
XE-100C  
XE-100W  
XE-120W  
XE-140W  
XE-160W

### XEA-SERIES AUXILIARY DRIVE SCISSOR LIFT

15

XE-A50S---XE-A140H

### XEM-SERIES MOBILE ELECTRIC SCISSOR LIFT

XE-M50S---XE-M140H

### HT-SERIES SELF-PROPELLED TELESCOPIC BOOMS

17

HT-200  
HT-215J  
HT-270  
HT-285J  
HT-330  
HT-350J  
HT-390  
HT-410J

### HZ-SERIES SELF-PROPELLED ARTICULATED BOOMS

25

HZ-140DC  
HZ-140J DC  
HZ-160DC  
HZ-160J DC  
HZ-200J DC  
HZ-140RT  
HZ-140J RT  
HZ-160RT  
HZ-160J RT  
HZ-200J RT

### S-SERIES TRUCK-MOUNTED PLATFORMS

37

S-1470C  
S-1770C  
S-2110C  
S-2512C  
S-2815C

### ALP-SERIES SUPER MATERIAL LIFT

39

ALP-10  
ALP-15  
ALP-20  
ALP-25

### AMP-SERIES AERIAL WORK PLATFORM

41

AMP-20  
AMP-26  
AMP-32  
AMP-40

### ASP-SERIES SLEEVE TYPE AERIAL WORK PLATFORM

43

ASP-26  
ASP-32  
ASP-40

### IMP-SERIES SELF-PROPELLED AERIAL WORK PLATFORM

47

IMP-55  
IMP-65  
IMP-80

### IMP-J-SERIES SELF-PROPELLED AERIAL WORK PLATFORM

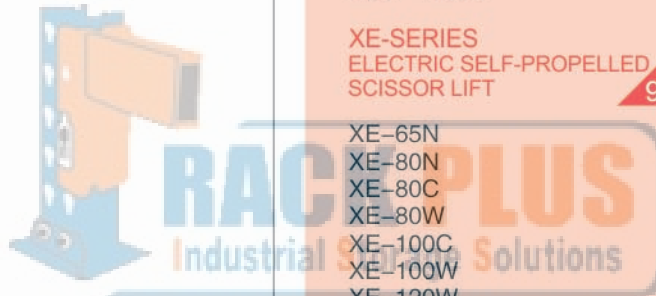
49

IMP-80J  
IMP-100J

### CMP-SERIES DOUBLE MASTS AERIAL WORK PLATFORM

45

CMP-10  
CMP-12  
CMP-14  
CMP-16  
CMP-18



# **XE MINI SERIES**

## **ELECTRIC SELF-PROPELLED SCISSOR LIFT**

### **Standard Features**

- Proportional controls
- Self-lock gate on platform
- Extended platform
- Drivable at full height
- Non marking tire
- 4×2WD
- Explosion-proof of the tubing
- Automatic brake system
- Emergency lowering system
- Emergency stop button
- Tilt sensor with alarm
- All motion alarm
- Horn
- Hour meter
- Safety brackets
- Forklift pockets
- Charger protection
- Flashing beacon

### **Options Features**

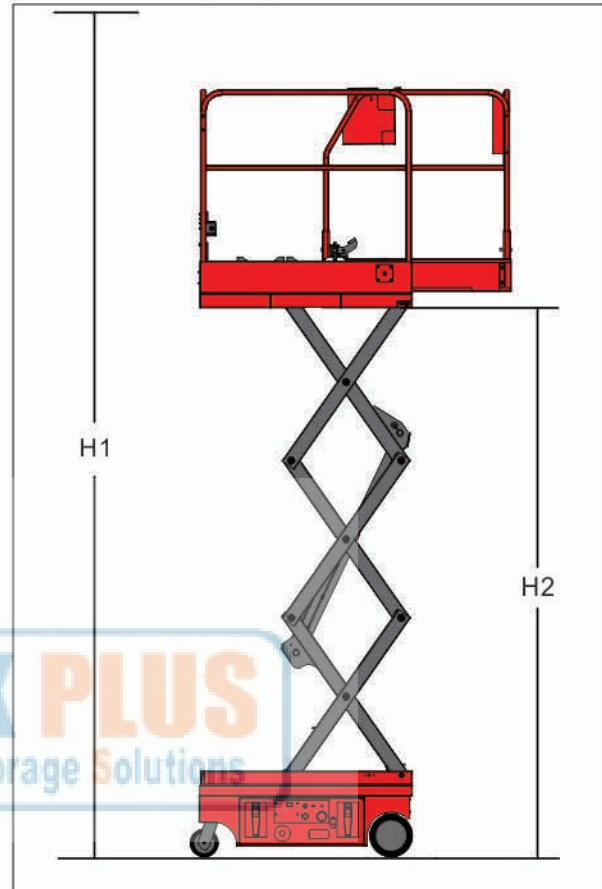
- Overload sensor with alarm
- AC power to platform
- Single extension platform



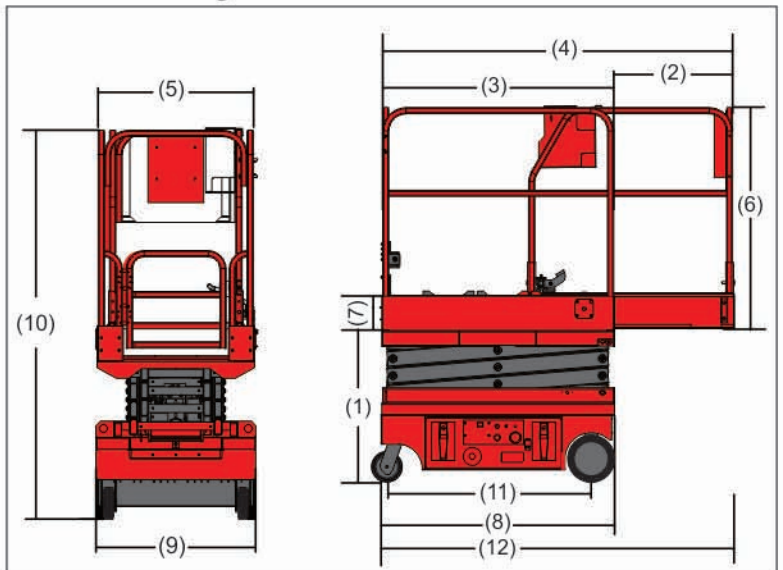
# XE MINI SERIES

Models	XE50MINI/ED	XE60MINI/ED
	Metric system	Metric system
Working height max	5m	6m
Platform height max	3m	4m
Outreach max	0.55m	0.55m
Lifting capacity	240kg	240kg
Lifting capacity (Extended platform)	100kg	100kg
Weight	550kg	615kg
Platform size L	1.15m	1.15m
Platform size W	0.76m	0.76m
Platform size H	1.1m	1.1m
The length of platform extended	1.7m	1.7m
Skirting board height	0.15m	0.15m
Stowed size (L×W)	Metric system: 1.15m×0.70m in : 3 ft 10 in *2 ft 4 in	
Stowed height	1.8m	1.9m
Length of the machine with platform extended	1.7m	1.7m
Hydraulic tank capacity (L)	2	2
Gradeability	25%	25%
Wheelbase	1m	1m
Ground clearance	0.06m	0.06m
Inside rotation radius	0m	0m
Load number max	2	2
Raised time/Lowering time(s)	28/24	35/31
Travel speed	3km/h	3km/h
Safe speed	0.8km/h	0.8km/h
Vertical tilt°	2	2
Lateral tilt°	1	1
Power source	24V/95AH	24V/95AH
Tire size	Solid tire230m	Solid tire230m

XE-MINI Working Range



XE-MINI Collecting Chart



\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*CE/AU market, XE - MINI can be used in indoor and outdoor, to accommodate one person

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

# XEM-MINI SERIES

## MOBILE ELECTRIC SCISSOR LIFT



### Standard Features

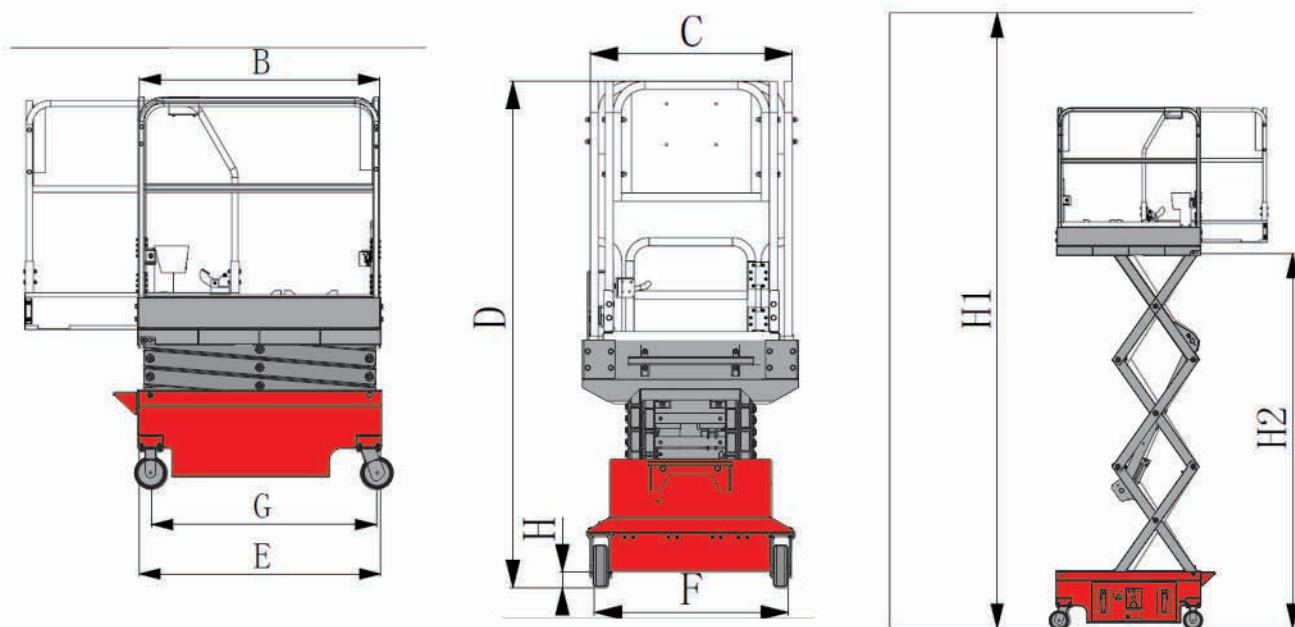
- Charge Indicator
- platform self-locked door
- Level indicator
- Security overhaul rod
- Emergency lowering system
- Emergency stop button
- Dual front wheel brake
- Standard transportation forklift holes
- Non-mark brake tires
- Charge protection system

### Options Features

- The AC power connected to the platform
- Overweight sensor
- Buzzer
- Stroble lamp
- Extended platform

# XEM-MINI SERIES

Model	XEM50MINI	XEM60MINI
Working height max.m H1	5	6
Platform height max.m H2	3	4
Lifting capacity kg	240	240
Weight kg	500	565
Platform size, (B*C*A)	1.15X0.76X1.1	1.15X0.76X1.1
Skirting board height m	0.15	0.15
Stowed size,m (E*F)	1.15X0.76	1.15X0.76
Stowed height m (D)	1.85	1.94
Hydraulic tank capacity L	2	2
Wheelbase m G	1.07	1.07
Ground clearance m H	0.06	0.06
Vertical tilt°	2	2
Lateral tilt °	1	1
Load number max	2	2
Raised time/Lowering time s	28/24	35/31
Power source	12V/100AH	12V/100AH
Tire size	Non-marking wheels 150mm	Non-marking wheels 150mm



# XD SERIES

## SELF-PROPELLED ROUGH TERRAIN SCISSOR LIFT

### Standard Features

- Foldable guardrail
- Diagnosis system
- AC wiring to platform
- 4 wheel drive
- Tilt level sensor with an audible alarm
- Lowering alarm
- Horn
- Hour meter
- Emergency pump
- Proportional controls
- Solid rough tire
- Safety brackets

### Options Features

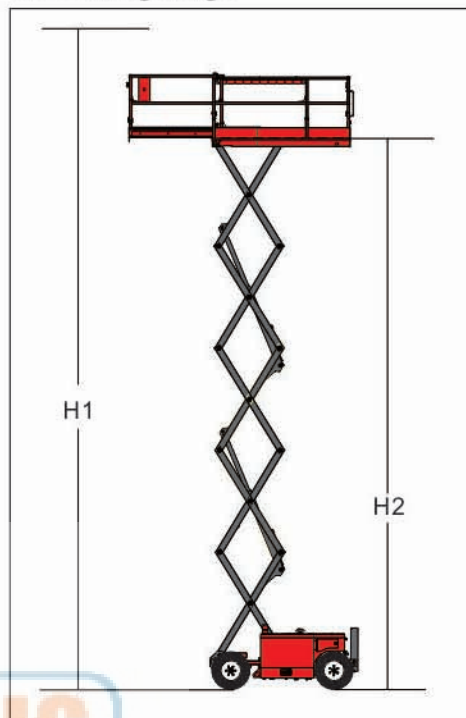
- Automatic leveling hydraulic outriggers
- Air line to platform
- DC power supply
- Motor cold starting components
- Overload sensor
- Dual flashing beacon
- Moveable alarm components
- Non-mark rough tire



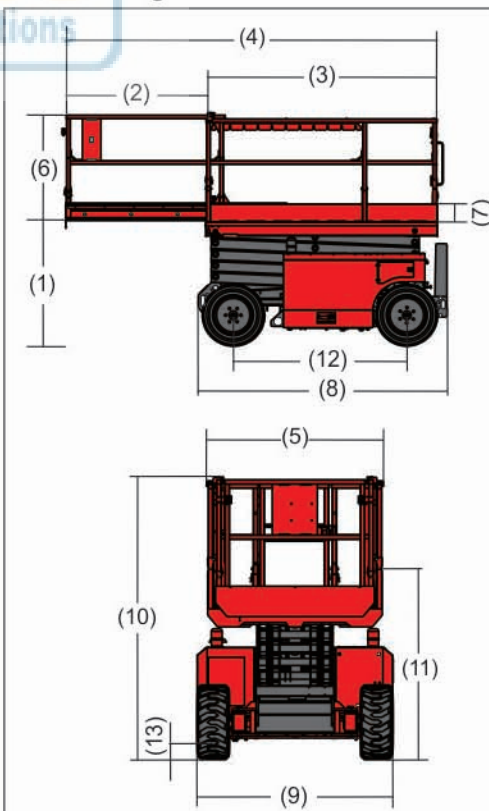
# XD SERIES

Models	XD100RT	XD120RT	XD140RT
Working height max (m)H1	10	12	14
Platform height max (m)H2	8	10	12
(1)Platform height min (m)(1)	1.1	1.23	1.36
(2)Outreach (m)(2)	1.5	1.5	1.5
Lifting capacity (kg)	567	454	345
Lifting capacity (kg) (Extended platform)	136	136	136
<b>Platform Size</b>			
(3)Lateral length (m)(3)	2.5	2.5	2.5
(4)Extended length (m)(4)	4	4	4
(5)Lateral width (m)(5)	1.6	1.6	1.6
(6)Fence height (m)(6)	1.15	1.15	1.15
(7)Skirting board height (m)(7)	0.15	0.15	0.15
<b>Stowed size</b>			
(8)Stowed length (m)(8)	2.67	2.66	2.67
(9)Width (m)(9)	1.75	2.67	1.75
(10)Height (m)(10)	2.38	1.75	2.6
(11)Folded height (m)(11)	1.68	2.5	1.98
(12)Wheelbase (m)(12)	1.85	1.85	1.85
Ground clearance (m)(13)	0.17	0.17	0.17
Turn diameter (m) (inside)	1.52	1.52	1.52
Turn diameter (m) (outside)	3.68	3.68	3.68
Load number max	3	3	3
Raised time (s)	30	40	50
Lowering time (s)	40	43	47
Traction speed (km/h)	6.1	6.1	6.1
Safe speed (km/h)	0.8	0.8	0.8
Vertical tilt°	3	3	3
Lateral tilt°	2	2	2
Control	Proportional control		
Drive	4 wheels drive		
Weight (kg)	3280	3880	4200
Weight (kg) (with outriggers)	3680	4280	4600
Power source	Kubota D1105		
Hydraulic tank capacity (L)	68	68	68
Fuel tank capacity (L)	57	57	57
Gradeability	35%	30%	30%
*Outrigger level ability max			
Front to rear	6.6	6.6	6.6
Left to right	10.6	10.6	10.6
Tire size (mm)	Solid tires 26*12-16.5		

XD Working Range



XD Collecting Chart



\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*CE/AU market, XD can be used in indoor and outdoor, to accommodate two person

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

# **XDW SERIES**

## **SELF-PROPELLED ROUGH TERRAIN SCISSOR LIFT**



### **Standard Features**

- Foldable guardrail
- Diagnosis system
- AC wiring to platform
- 4 wheel drive
- Tilt level sensor with an audible alarm
- Lowering alarm
- Horn
- Hour meter
- Emergency pump
- Proportional controls
- Solid rough tire
- Safety brackets

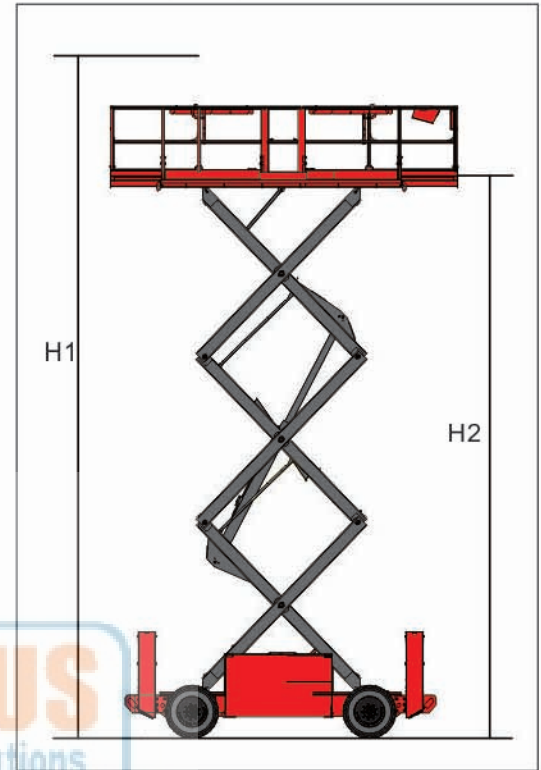
### **Options Features**

- Automatic leveling hydraulic outriggers
- Air line to platform
- DC power supply
- Motor cold starting components
- Overload sensor
- Dual flashing beacon
- Moveable alarm components
- Non-mark rough tire

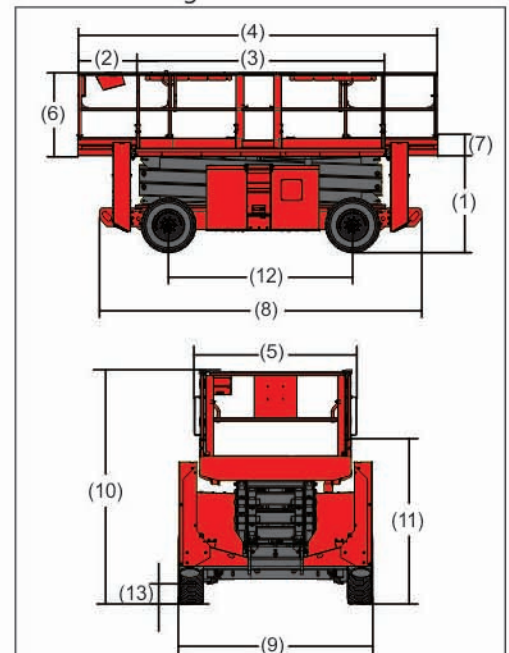
# XDW SERIES

Model	XDW120RT	XDW150RT	XDW180RT
Working height max m	12.00	15.00	18.00
Platform height max m	10.00	13.00	16.00
Platform height min (m)(1)	1.20	1.20	1.20
Outreach m (2)	1.20	1.20	1.20
Lift capacity kg	1000(single extension platform) 900(double extension platform)	680(single extension platform) 570(double extension platform)	680(single extension platform) 570(double extension platform)
Lift capacity kg (Extended platform)	230	230	230
Platform size			
Lateral length m(3)	3.90	3.90	3.90
Extended length m (single extended platform) (4)	5.10	5.10	5.10
Extended length m (double extended platform)	6.30	6.30	6.30
Lateral width/m (5)	1.80	1.80	1.80
Fence height/m(6)	1.15	1.15	1.15
Skirting board height/m(7)	0.15	0.15	0.15
Stowed size			
Stowed length m(single extended platform) (8)	3.90	3.90	---
Stowed length m(double extended platform)	3.97	3.97	---
Stowed length m(with outriggers)	4.90	4.90	4.90
Width/m (9)	2.29	2.29	2.29
Height/m(10)	2.73	2.9	3.26
Folded height/m (11)	1.97	2.19	2.47
Wheelbase/m(12)	2.80	2.80	2.80
Ground clearance/m (13)	0.32	0.32	0.32
Turn diameter m(Inside)	2.72	2.72	2.72
Turn diameter m(Outside)	5.93	5.93	5.93
Raised time/s	45	45	55
Lowering time/s	30	39	49
Traction speed km/h	6.4	6.4	6.4
Safe speed km/h	1.0	1.0	1.0
Drive height/m	All Height	9.6	9.6
Control	Proportional controls		
Drive	4WD		
Weight kg	5500	6950	7600
Power source	Diesel		
Hydraulic tank capacity L	115	115	115
Fuel tank capacity L	115	115	115
Gradeability	45%	45%	40%
Outrigger level ability max			
Front to Rear	7	7	7
Left to Right	11	11	11
Tire size/mm (in)	33*12-20		

XDW Working Range



XDW Collecting Chart



\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*CE/AU market, XDW can be used in indoor and outdoor, to accommodate three person

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

# XE-N SERIES

## ELECTRIC SELF-PROPELLED SCISSOR LIFT

### Standard Features

- XE-N series working height is 6.5m (about 21 feet and 8m (about 26 feet).
- The platform can outreach 0.9m (about 3 feet), and the machine can be 2.52m (about 8.26 feet)
- Compact design, can be easily passed single standard door and enter the lift, and so on.
- The min. lift capacity is 230kg (about 506 pound), the max. lift capacity is 270kg (594 pound).
- Proportional controls for lift and drive functions.
- Automatic 25 Amp battery charger provides strong power for vehicle.
- Safe distance protection when the platform lowering down. (CE)
- Manual Emergency platform lowering valve, when there is no power, the machine can be safely lower down.
- Emergency stop at both platform and ground controls.
- Drive speed interlock limits speed while elevated.
- Multiple disc brakes provide smooth deceleration.
- When there is no power, manual brake release function can move the machines under the circumstances when there is no other forklift, lifting equipment and so on.
- Pothole guards protect the machine don't tilting down when the machine moved on the raised position.
- Non-marking tires make sure there is no damage and no marks on the ground.
- It has the 30% gradeability, and at the same time each machine equipped tilt sensor alarm to make sure the user can use the machine correctly.
- Diagnostic system.

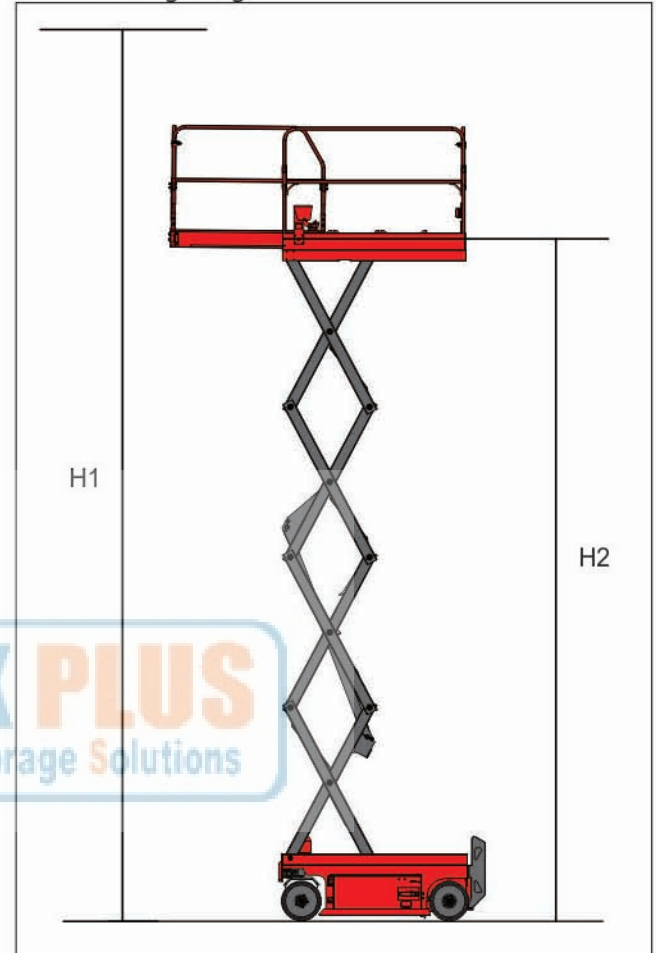
### Options Features

- Motion alarm
- Platform swing gate
- Air line to platform
- Dual flashing beacon
- Maintenance-free battery
- Horn
- Platform work lights
- Foldable platform
- Key-type lock sliding door
- Anti-collision system
- Top limit protection auto-stop device

# XE-N SERIES

Models	XE65N	XE80N
Working height max (m)	6.5	7.8
Platform height max (m)	4.5	5.8
(2)Outreach (m)	0.9	0.9
Lifting capacity (kg)	270	230
Lifting capacity (kg) (Extended platform)	115	115
Weight (kg) ANSI/CSA Standard	1164	1225
CE/AUS Standard	1235	1490
Platform size(3) × (5) × (6)(L × W × H)m	1.64 × 0.75 × 1.1	
(4)The length of platform extended (m)	2.54	
(7)Skirting board height (m)	0.15	
Stowed size(8) × (9)(L × W)m	1.85 × 0.77	
(10)Stowed height (m)	1.88fixed platform2.03CE	1.96fixed platform2.13CE
(13)Length of the machine with platform extended (m)	2.75	
(11)Width of the machine with platform folded (m)	1.69	1.78
Hydraulic tank capacity (L)	15	
Gradeability	25%	
(12)Wheelbase (m)	1.32	
Ground clearance (m)	0.06	
Pothole protection board ground clearance (m) (down)	0.02	
Inside rotation radius (m)	0	
Outside turning radius (m)	1.56	
Load number max	2	
Raised time/Lowering time (s)	16/22	16/23
Traction speed (km/h)	3.8	
Safe speed (km/h)	0.7	
Vertical tilt° ANSI CSA	3	3
CE/AUS	2	2
Lateral tilt° ANSI CSA	2	2
CE/AUS	1.5	1.5
Power source	4 × 6V; 225Ah	
Tire size (mm)	356 × 114 × 254	
Drive model	Hydraulic drive /electric drive	

XE-N Working Range



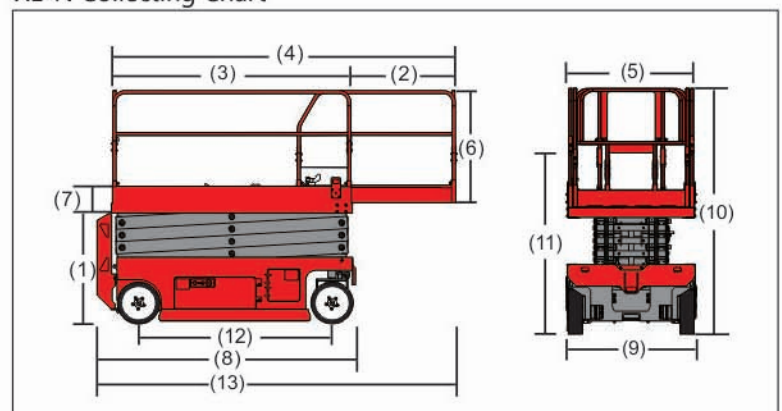
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

XE-N Collecting Chart



# **XE-C SERIES**

## **ELECTRIC SELF-PROPELLED SCISSOR LIFT**

### **Standard Features**

- XE-C series working height is from 8m (about 26 feet) and 10m (about 32 feet).
- The platform can outreach 1m (XE-C series).
- Compact design, XE-C series can be easily passed single standard door, the length about platform can be the same with XE-W series. The length can be 3.2m after the extended.
- The min. lift capacity is 230kg, max. lift capacity is 350kg
- Proportional controls for lift and drive functions.
- Automatic 25 Amp battery charger provides strong power for vehicle.
- Safe distance protection when the platform lowering down. (CE)
- Manual Emergency platform lowering valve, when there is no power, the machine can be safely lower down.
- Emergency stop at both platform and ground controls.
- Drive speed interlock limits speed while elevated.
- Multiple disc brakes provide smooth deceleration.
- When there is no power, manual brake release function can move the machines under the circumstances when there is no other forklift, lifting equipment and so on...
- Pothole guards protect the machine don't tilting down when the machine moved on the raised position.
- Non-marking tires make sure there is no damage and no marks on the ground.
- AC wiring to platform
- Tilt level sensor with an audible alarm
- Beeper horn
- Hour meter
- Safety brackets
- Battery charge indicator
- Forklift pockets
- Diagnosis system
- Extended platform

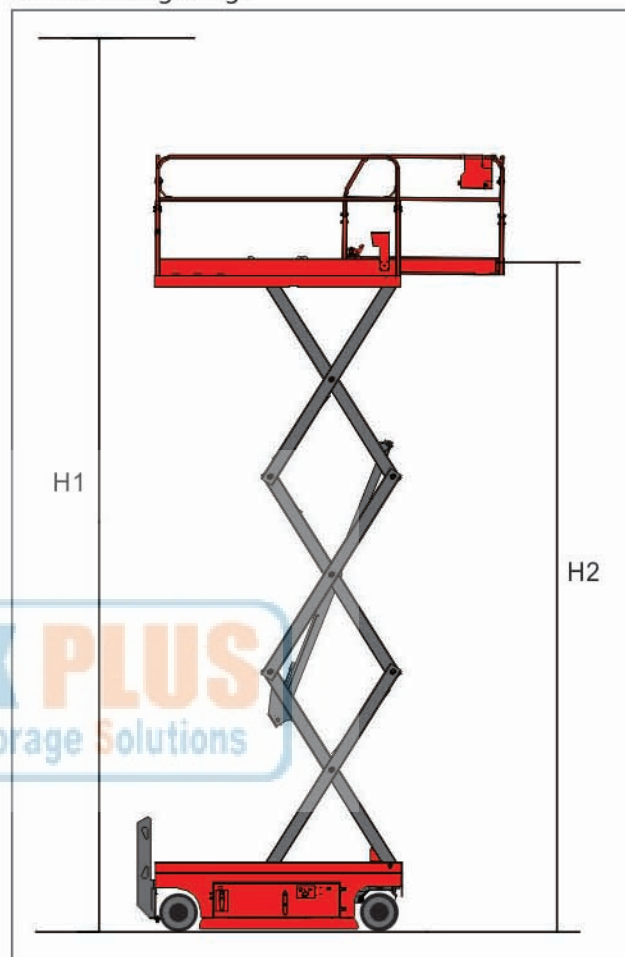
### **Options Features**

- Motion alarm
- Platform swing gate
- Air line to platform
- Dual flashing beacon
- Maintenance-free battery
- Horn
- Platform work lights
- Foldable platform
- Key-type lock sliding door
- Anti-collision system
- Top limit protection auto-stop device



Models	XE80C	XE100C
Working height max (m)	8	10
Platform height max (m)	6	8
(2)Outreach (m)	1	1
Lifting capacity (kg)	350	230
Lifting capacity (kg) (Extended platform)	120	120
Weight (kg) ANSI/CSA Standard	1690	2000
CE/AUS Standard	1830	2000
Platform size(3) × (5) × (6)(L × W × H)m	2.25 × 0.8 × 1.1	
(4)The length of platform extended (m)	3.2	
(7)Skirting board height (m)	0.15	
Stowed size(8) × (9)(L × W)m	2.42 × 0.8	
(10)Stowed height (m)	2.2	2.3
(13)Length of the machine with platform extended (m)	3.4	
(11)Width of the machine with platform folded (m)	1.73	1.86
Hydraulic tank capacity (L)	15	
Gradeability	25%	
(12)Wheelbase (m)	1.85	
Ground clearance (m)	0.1	
Pothole protection board ground clearance (m) (down)	0.019	
Inside rotation radius (m)	0	
Outside turning radius (m)	2.12	
Load number max	2	
Raised time/Lowering time (s)	30/29	34/35
Traction speed (km/h)	3.4	
Safe speed (km/h)	0.7	
Vertical tilt° ANSI CSA	3	3
CE/AUS	2	2
Lateral tilt° ANSI CSA	2	2
CE/AUS	1.5	1.5
Power source	4 × 6V; 225Ah	
Tire size (mm)	356 × 114 × 254	
Drive model	Hydraulic drive /electric drive	

XE-C Working Range



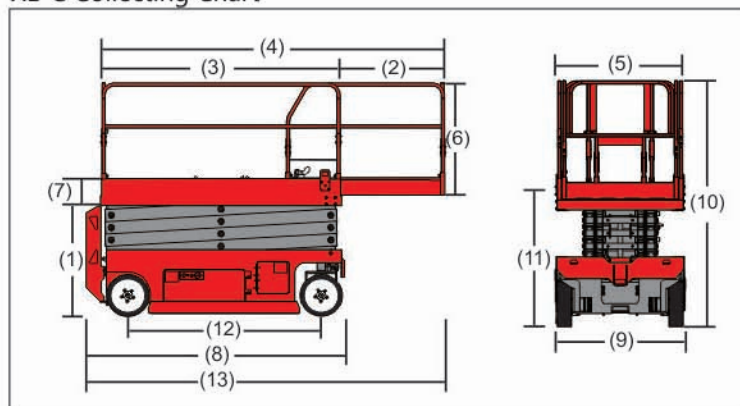
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

XE-C Collecting Chart



# **XE-W SERIES**

## **ELECTRIC SELF-PROPELLED SCISSOR LIFT**

### **Standard Features**

- XE-W series working height is from 8m (about 26 feet) and 14m (about 46 feet).
- The platform can outreach 1m.
- XE-W series can be easily passed double standard door, large lift capacity, min. lift capacity is 350kg, max. lift capacity is 550kg.
- Proportional controls for lift and drive functions.
- Automatic 25 Amp battery charger provides strong power for vehicle.
- Safe distance protection when the platform lowering down.(CE)
- Manual Emergency platform lowering valve, when there is no power, the machine can be safely lower down.
- Emergency stop at both platform and ground controls.
- Drive speed interlock limits speed while elevated.
- Multiple disc brakes provide smooth deceleration.
- When there is no power, manual brake release function can move the machines under the circumstances when there is no other forklift, lifting equipment and so on...
- Pothole guards protect the machine don't tilting down when the machine moved on the raised position.
- Non-marking tires make sure there is no damage and no marks on the ground.
- AC wiring to platform
- Tilt level sensor with an audible alarm
- Beeper horn
- Hour meter
- Safety brackets
- Battery charge indicator
- Forklift pockets
- Diagnosis system
- Extended platform

### **Options Features**

- Motion alarm
- Platform swing gate
- Air line to platform
- Dual flashing beacon
- Maintenance-free battery
- Horn
- Platform work lights
- Foldable platform
- Key-type lock sliding door
- Anti-collision system
- Top limit protection auto-stop device

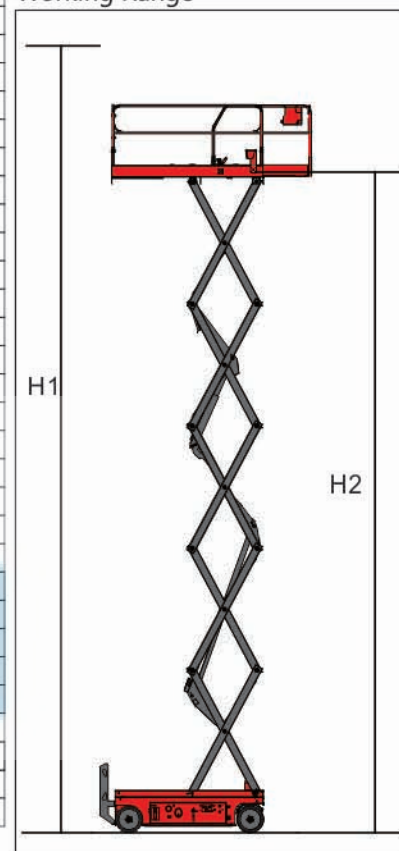


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Models	XE80W	XE100W	XE120W	XE140W	XE160W
Working height max (m)	8	10	12	14	16
Platform height max (m)	6	8	10	12	14
(2)Outreach (m)	1	1	1	1	1
Lifting capacity (kg)	550	450	350	350	230
Lifting capacity (kg) (Extended platform)	120	120	120	120	100
Weight (kg)ANSI/CSA Standard	1855	2040	2450	2690	3280
CE/AUS Standard	1975	2520	2950	3225	3400
Platform size(3) × (5) × (6)(L × W × H)m	2.3 × 1.15 × 1.1				
(4)The length of platform extended (m)	3.3	3.3	3.3	3.3	3.3
(7)Skirting board height (m)	0.172	0.172	0.172	0.172	0.176
Stowed size(8) × (9)(L × W)m	2.42 × 1.2				
(10)Stowed height (m)	2.12	2.25	2.38	2.50	2.64
(13)Length of the machine with platform extended (m)	3.5	3.5	3.5	3.5	3.5
(11)Height of the machine with platform folded (m)	1.56	1.69	1.82	1.95	2.08
Hydraulic tank capacity (L)	15	15	25	25	25
Gradeability	30%	30%	25%	23%	20%
(12)Wheelbase (m)	1.85				
Ground clearance (m)	0.1				
Pothole protection board ground clearance (m) (down)	0.019				
Inside rotation radius (m)	0				
Outside turning radius (m)	2.3				
Load number max	2				
Raised time/Lowering time (s)	32/30	45/30	55/37	61/42	80/46
Traction speed (km/h)	3.4				
Safe speed (km/h)	0.7				
Vertical tilt°	ANSI CSA	3			1.5
	CE/AUS	2			1
Lateral tilt°	ANSI CSA	2			1
	CE/AUS	1.5			1
Power source	4 × 6V; 225Ah			2 × 12V × 2; 300Ah	
Tire size (mm)	406 × 127 × 318				
Drive model	Hydraulic drive or electric drive				

Working Range



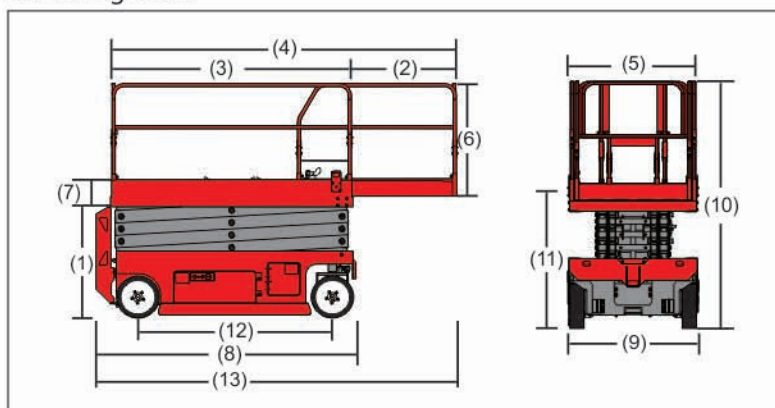
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

Collecting Chart



# XE-A/M SERIES

## MOBILE ELECTRIC SCISSOR LIFT

### XE-A SERIES

#### Standard Features

- Electric Self-propelled, can operate by one person for drive and work in high position
- Hydraulic line rupture protection device
- Screw support leveling device
- Emergency stop button
- Emergency lower valve when there is no power
- Overload safety protection device
- Rain-proof control box
- Automatically battery charger

#### Options Features

- Extended Platform(6-12m)

### XE-M SERIES

#### Standard Features

- Electric Self-propelled, can operate by one person for drive and work in high position
- Hydraulic line rupture protection device
- Screw support leveling device
- Emergency stop button
- Emergency lower valve when there is no power
- Overload safety protection device
- Rain-proof control box
- Automatically battery charger

#### Options Features

- Power: AC 220V (6-11m) DC24V/48V, Manual hydraulic power
- Explosion-proof electric control system
- Extended platform
- Hydraulic system import from Italy
- Rubber solid tires



# XE-A/M SERIES

Model	XE-A50S	XE-A80S	XE-A95S	XE-A110S	XE-A130S	XE-A140S
Working height max(m)	5	8	9.45	11	13	14
Platform height max(m)	3	6	7.45	9	11	12
Lift capacity(kg)	450	450	450	450	450	450
Platform size(mm)	1300*700	1850*880	1800*1000	1800*1000	2100*1150	2450*1350
Stowed Size(mm)L*W*H	1350*940*800	1900*1120*750	1850*1240*1500	1850*1240*1650	2150*1390*1850	2150*1590*1850
Raised time (s)	30	54	72	80	88	90
Traction speed(m/s)	0-16.7	0-16.8	0-16.8	0-16.8	0-16.8	0-16.8
Power source	DC-24V	DC-24V	DC-24V	DC-24V	DC-24V	DC-24V
Lift ing motor power (kw)	2.2	2.2	2.2	2.2	3	3
Driving motor power (kw)	0.75	0.75	0.75	0.75	0.75	0.75
Weight(kg)	540	740	950	1260	1480	2000

Model	XE-A160S	XE-A180S	XE-A80H	XE-A110H	XE-A140H
Working height max(m)	16	18	8	11	14
Platform height max(m)	14	16	6	9	12
Lift capacity(kg)	450	300	1000	1000	1000
Platform size(mm)	2450*1350	2700*1500	1800*1000	1800*1250	2450*1350
Stowed Size(mm)L*W*H	2500*1590*2000	2750*1740*2000	1850*1240*1110	1850*1490*1650	2500*1590*1850
Raised time (s)	120	130	80	108	128
Traction speed(m/s)	0-16.8	0-16.8	0-16.8	0-16.8	0-16.8
Power source	DC-24V	DC-24V	DC-24V	DC-24V	DC-24V
Lift ing motor power (kw)	2.2*2	2.2*2	3	3	2.2*2
Driving motor power (kw)	1.2	1.2	0.75	1.2	1.2
Weight(kg)	2180	2900	960	1850	2260

Model	XE-M50S	XE-M80S	XE-M95S	XE-M110S	XE-M130S	XE-M140S
Working height max (m)	5	8	9.45	11	13	14
Platform height max(m)	3	6	7.45	9	11	12
Lift capacity(KG)	450	450	450	450	450	450
Platform size(mm)	1300*700	1850*880	1800*1000	1800*1000	2100*1150	2450*1350
Stowed size(L x W x H)(mm)	1350*940*800	1900*1120*750	1850*1240*1500	1850*1240*1650	2150*1390*1850	2150*1590*1850
Raised time (s)	30	54	72	80	88	90
Power (Kw)	0.75	1.1	1.5	1.5	2.2	3
Power voltage	AC220V/380V	AC220V/380V	AC220V/380V	AC220V/380V	AC220V/380V	AC220V/380V
Weight	450	650	1100	1260	1380	1850
Tires	Φ250 Solid Tires	Φ250 Solid Tires	Φ400-8Pneumatic tires	Φ400-8Pneumatic tires	Φ500-8Pneumatic tires	Φ500-8Pneumatic tires

Model	XE-M160S	XE-M180S	XE-M80H	XE-M110H	XE-M140H
Working height max (m)	16	18	8	11	14
Platform height max(m)	14	16	6	9	12
Lift capacity(KG)	450	300	1000	1000	1000
Platform size(mm)	2450*1350	2700*1500	1800*1000	1800*1250	2450*1350
Stowed size(L x W x H)(mm)	2500*1590*2000	2750*1740*2000	1850*1240*1110	1850*1490*1650	2500*1590*1850
Raised time (s)	120	130	80	108	128
Power (Kw)	3	3	2.2	3	3
Power voltage	AC220V/380V	AC220V/380V	AC220V/380V	AC220V/380V	AC220V/380V
Weight	2150	2680	950	1680	2100
Tires	Φ500-8Pneumatic tires	Φ500-8Pneumatic tires	Φ500-8Pneumatic tires	Φ500-8Pneumatic tires	Φ500-8Pneumatic tires

# HT SERIES

## HT200/HT215J

### SELF-PROPELLED TELESCOPIC BOOMS



#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

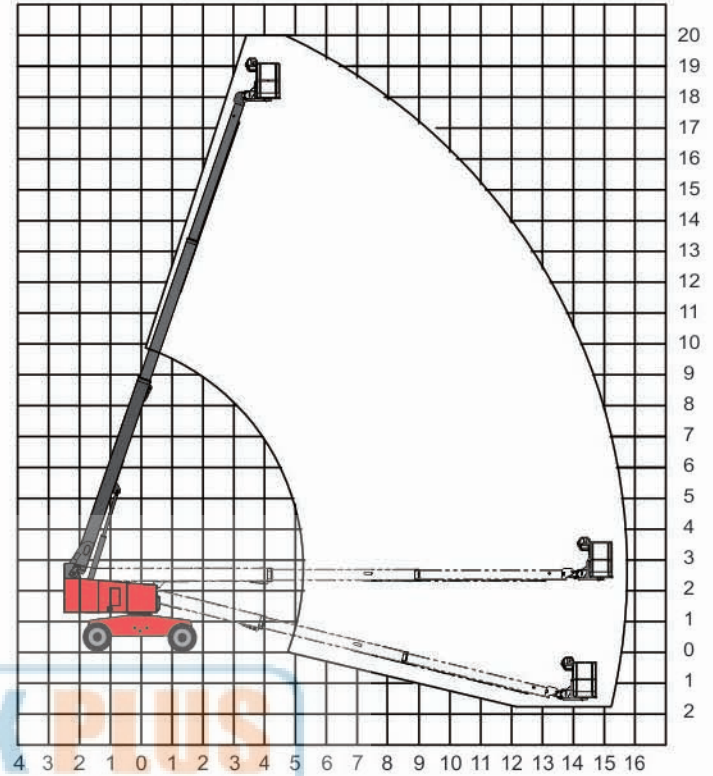
#### Options Features

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights
- Dual battery
- Traction packages
- AC power source

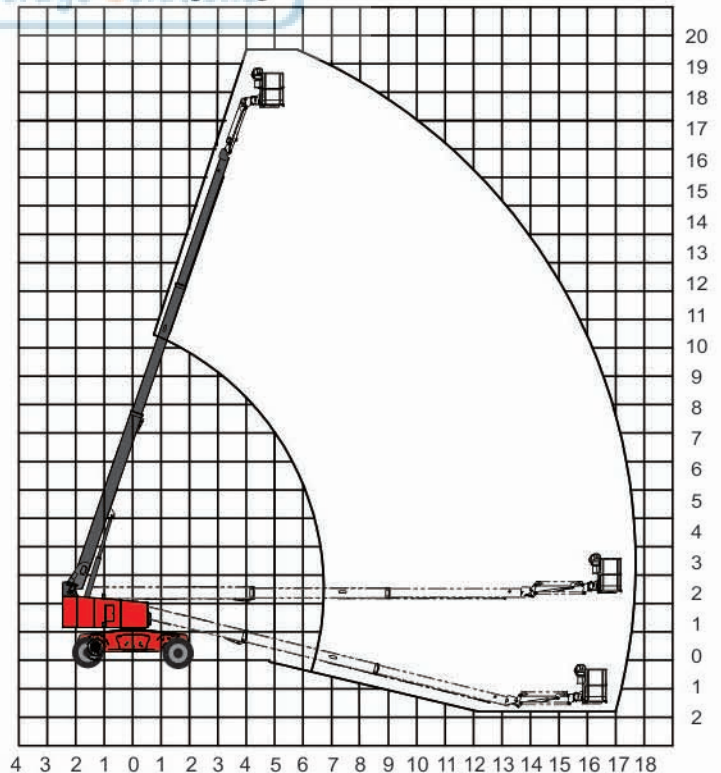
# HT SERIES

Model	HT 200	HT 215J
Working height max	20m	21.5m
Working platform height max	18m	19.5m
Lift capacity max	250kg	250kg
Total weight (2wd)	12T	10.2T
Total weight (4wd)	12.5T	10.28T
Length-stowed	8.5m	9.5m
Height-stowed	2.75m	
Width-stowed	2.5m	
Wheelbase	2.5m	
Drive speed, stowed	6.1km/h(4WD 4.8km/h)	
Drive speed, extended	1.1km/h	
Gradeability (2wd/4wd)	30%/45%	
Tire	365/14D-20;rubber solid tire	
Power producer	diesel motor	
Control mode	Electro hydraulic proportional control	
Turnable rotation	360°	
Platform rotation	180°	
Platform size	1.8m×0.76m×1.1m (L×W×H)	
Driving wheels number	2/4	
Steering wheels number	2/4	
System voltage	DC24V	

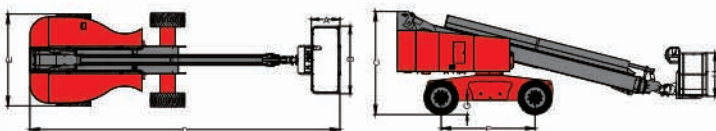
HT200 Working Range



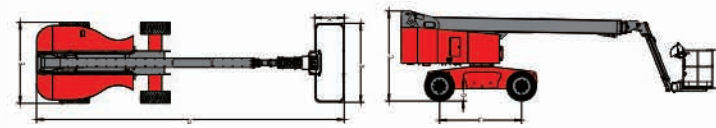
HT215J Working Range



HT200 Collecting Chart



HT215J Collecting Chart



# HT SERIES

## HT270/HT285J

### SELF-PROPELLED TELESCOPIC BOOMS



#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

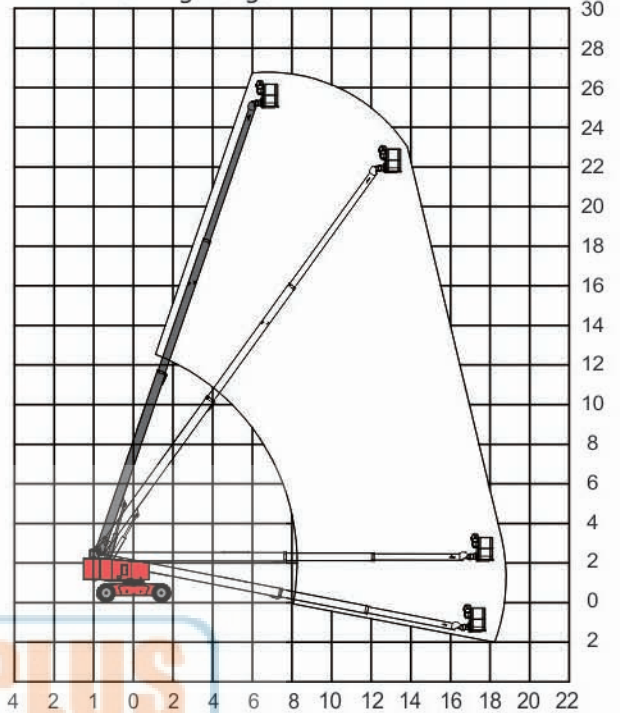
#### Options Features

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights
- Dual battery
- Traction packages
- AC power source

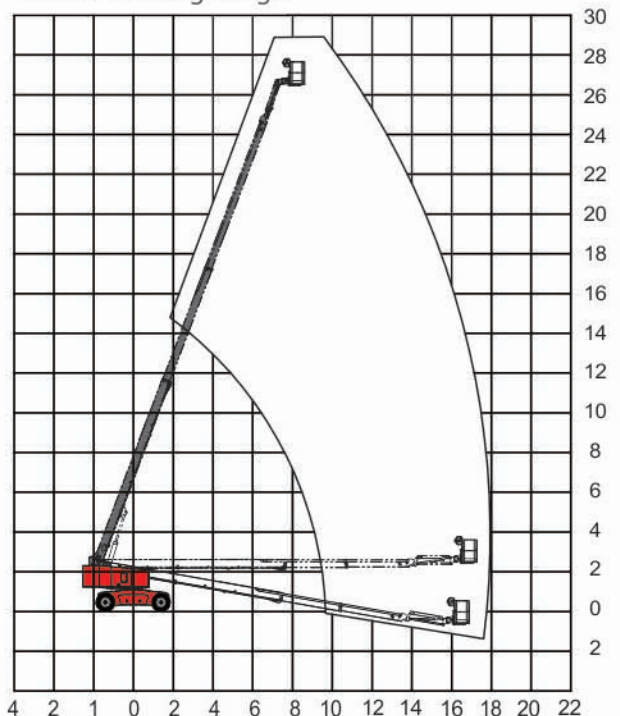
# HT SERIES

Model	HT 270	HT 285J
Working height max	27m	28.5m
Working platform height max	25m	26.5m
Lift capacity max	250kg	250kg
Total weight (2wd)	18.5T	19T
Total weight (4wd)	19T	19.5T
Length-stowed	11.8m	12.5m
Height-stowed	2.8m	
Width-stowed	2.5m	
Wheelbase	2.8m	
Drive speed, stowed	5.6km/h	
Drive speed, extended	1.1km/h	
Gradeability (2wd/4wd)	30%/45%	
Tire	365/14D-20;rubber solid tire	
Power producer	diesel motor	
Control mode	Electro hydraulic proportional control	
Turnable rotation	360°	
Platform rotation	180°	
Platform size	1.8m × 0.76m × 1.1m ( L×W×H )	
Driving wheels number	2/4	
Steering wheels number	2/4	
System voltage	DC24V	

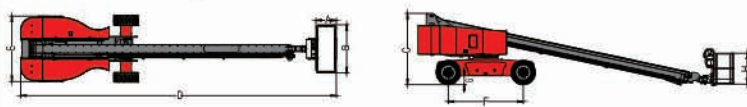
HT270 Working Range



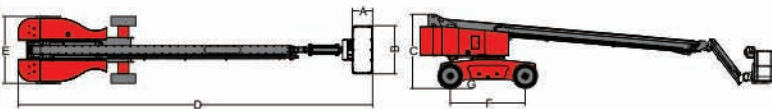
HT285J Working Range



HT270 Collecting Chart



HT285J Collecting Chart



# HT SERIES HT330/HT350J

## SELF-PROPELLED TELESCOPIC BOOMS



### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

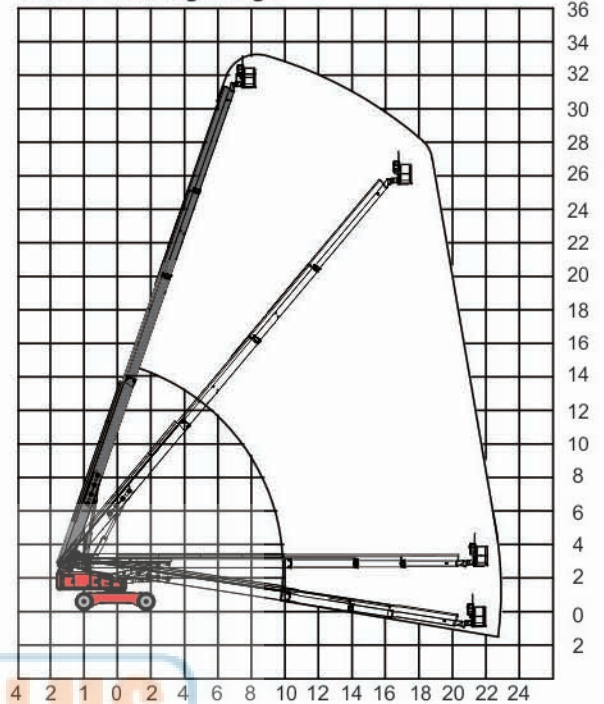
### Options Features

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights
- Dual battery
- Traction packages
- AC power source

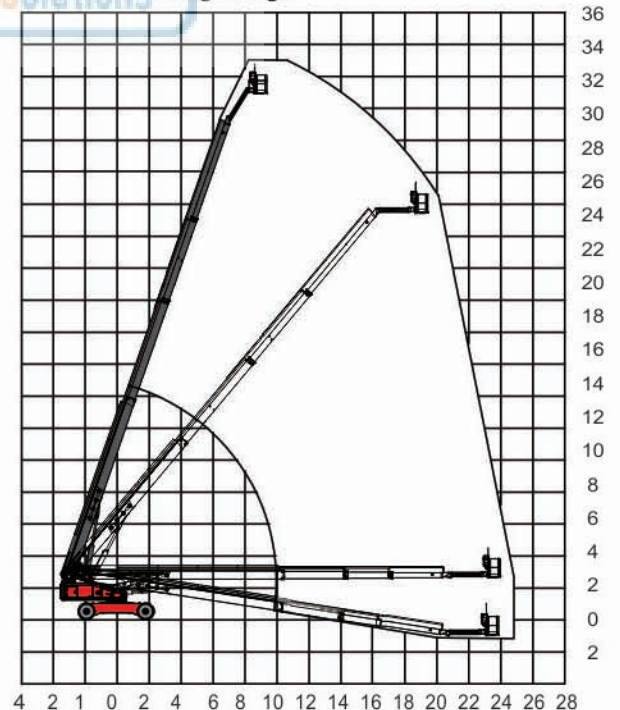
# HT SERIES

Model	HT 330	HT 350J
Working height max	33m	35m
Working platform height max	31m	33m
Lift capacity max	340kg	340kg
Total weight (2wd)	18.5T	19.5T
Total weight (4wd)	18.58T	19.58T
Length-stowed	13.2m	13.5m
Height-stowed	3.1m	
Width-stowed	2.5m ( 3.35m)	
Wheelbase	3.65m	
Drive speed, stowed	4.5 Km/h	
Drive speed, extended	0.55 Km/h	
Gradeability (2wd/4wd)	25%/40%	
Tire	385/64-24	
Power producer	diesel motor	
Control mode	Electro hydraulic proportional control	
Turnable rotation	360°	
Platform rotation	180°	
Platform size	1.8m × 0.76m × 1.1m ( L × W × H )	
Driving wheels number	2/4	
Steering wheels number	2/4	
System voltage	DC24V	

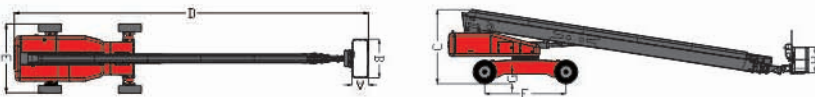
HT330 Working Range



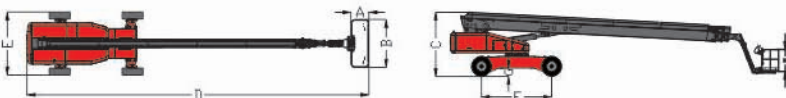
HT350J Working Range



HT330 Collecting Chart



HT350J Collecting Chart



# HT SERIES

## HT390/HT410J

### SELF-PROPELLED TELESCOPIC BOOMS

#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

#### Options Features

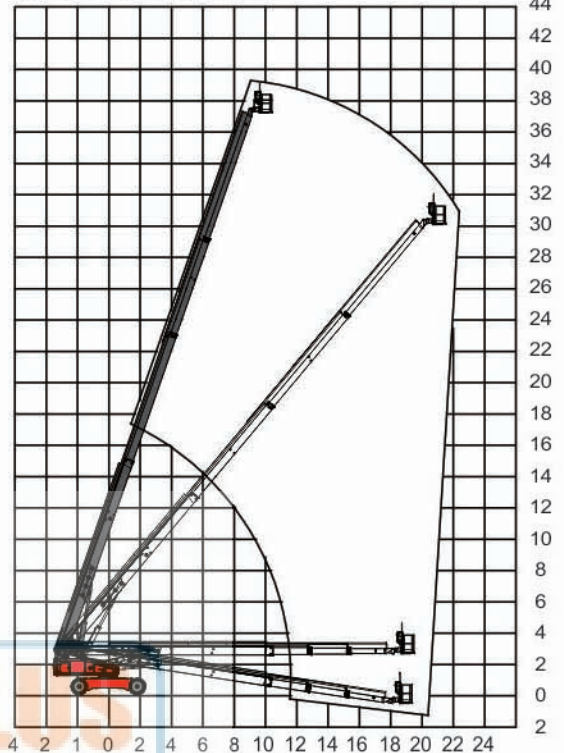
- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights
- Dual battery
- Traction packages
- AC power source

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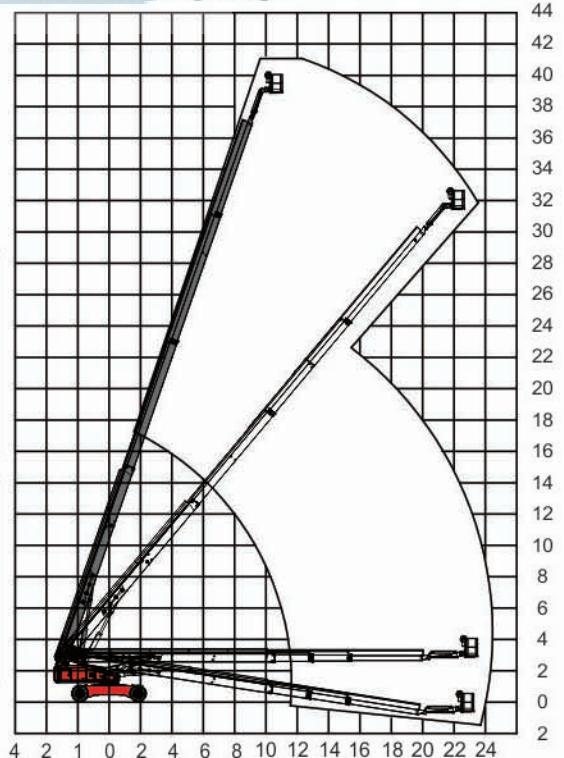
# HT SERIES

Model	HT 390	HT 410J
Working height max	39m	41m
Working platform height max	37m	39m
Lift capacity max	340kg	340kg
Total weight (2wd)	25.4T	26.4T
Total weight (4wd)	25.5T	26.5T
Length-stowed	13.5m	13.8m
Height-stowed	3.1m	
Width-stowed	2.5m ( 3.35m)	
Wheelbase	3.65m	
Drive speed, stowed	4.5 Km/h	
Drive speed, extended	0.55 Km/h	
Gradeability (2wd/4wd)	25%/40%	
Tire	445/65D-22.5; rubber solid tire	
Power producer	diesel motor	
Control mode	Electro hydraulic proportional control	
Turnable rotation	360°	
Platform rotation	180°	
Platform size	1.8m × 0.76m × 1.1m ( L × W × H )	
Driving wheels number	2/4	
Steering wheels number	2/4	
System voltage	DC24V	

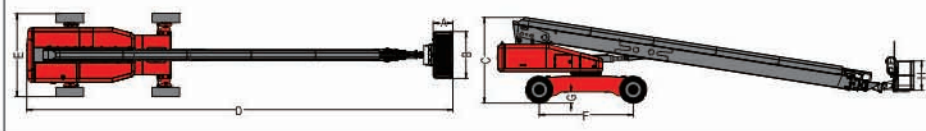
HT390 Working Range



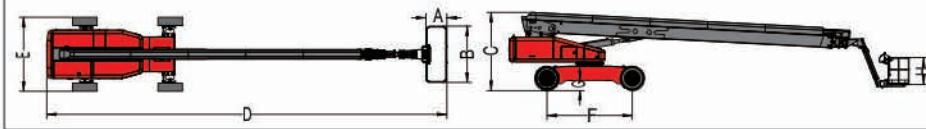
HT410J Working Range



HT390 Collecting Chart



HT410J Collecting Chart



# HZ SERIES

## HZ140DC/HZ140JDC

### SELF-PROPELLED ARTICULATED BOOMS

#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

#### Options Features

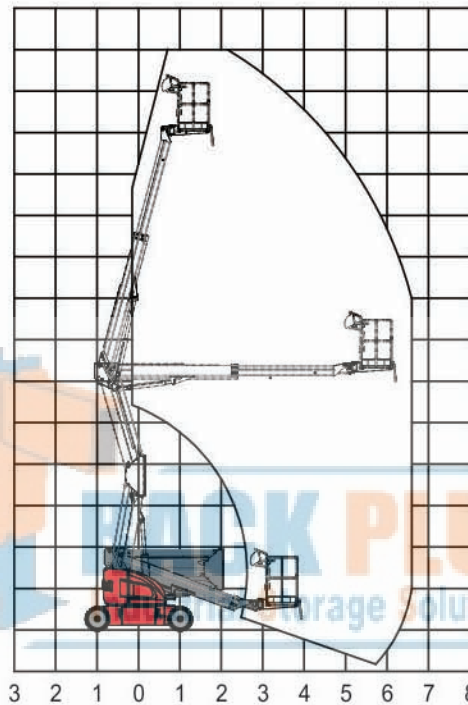
- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights



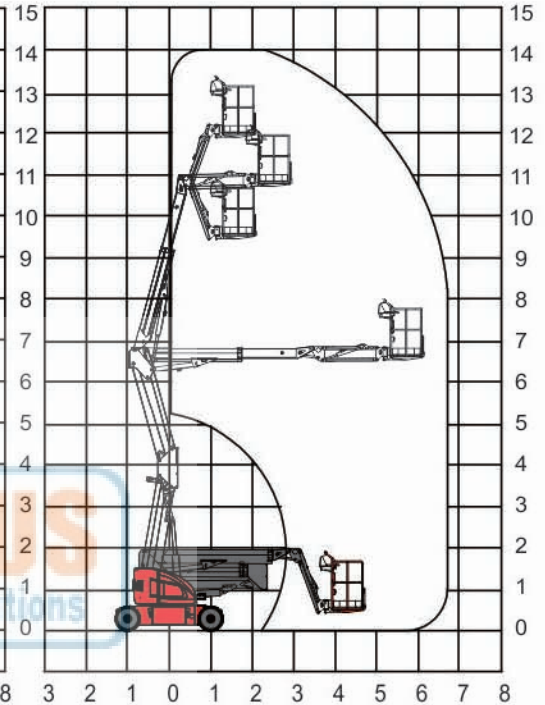
# HZ SERIES

Model	HZ140 DC/HZ140J DC
Lift capacity max	230kg
Working height max	14.00m
Working platform height max	12.00m
Working platform outreach max	6.60m
Across height max	6.0m
Turntable rotation	360 discrete
Drive speed, stowed	4.8km/h
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	1.5m x 0.76m x 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2
Steering wheel number	2
Drive	DC 48V
System voltage	DC12V
Tire size	33*12-20
Controls	Electrical proportional control
Turning radius-(outside)	3.30m
Turning radius-(inside)	0.80m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	30%
Height-stowed	2.00m
Length-stowed	5.20m/6.20m
Width-stowed	1.75m
Wheelbase	2.00m
Ground clearance	0.14m
Hydraulic tank capacity	35L
Total weight	6.3T/7.3T

HZ140DC Working Range



HZ140JDC Working Range



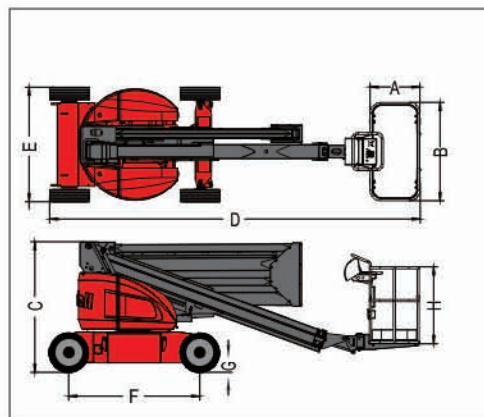
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

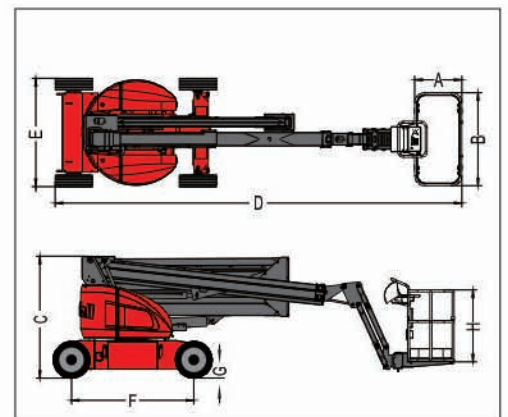
\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

HZ140DC Collecting Chart



HZ140JDC Collecting Chart



# HZ SERIES

## HZ160DC/HZ160JDC

### SELF-PROPELLED ARTICULATED BOOMS

#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

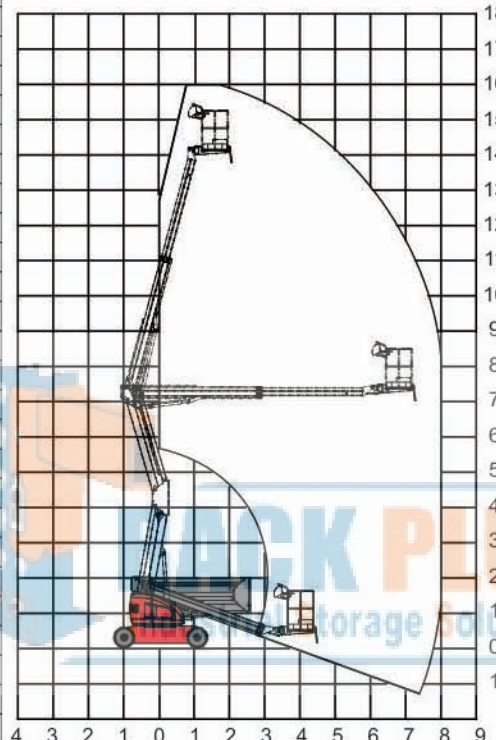
#### Options Features

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights

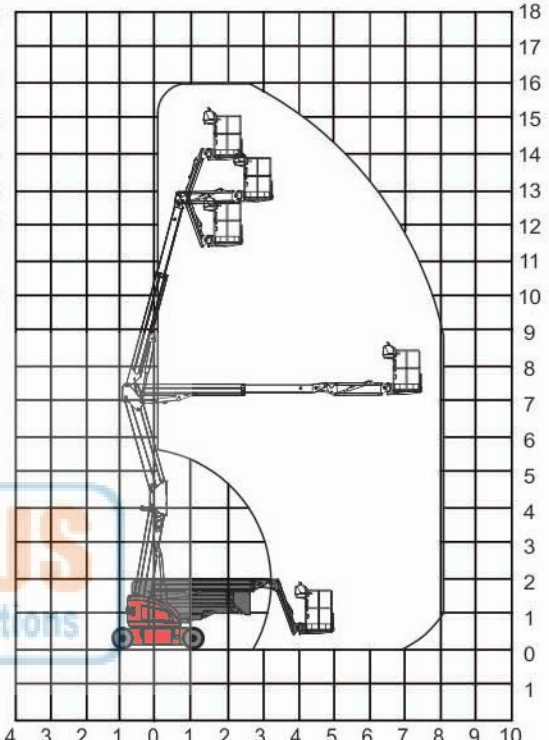
# HZ SERIES

Model	HZ160 DC/HZ160J DC
Lift capacity max	230kg
Working height max	16.00m
Working platform height max	14.00m
Working platform outreach max	7.80m
Across height max	7.00m
Turntable rotation	360 discrete
Drive speed, stowed	4.8km/h
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	1.5m × 0.76m × 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2
Steering wheel number	2
Drive	DC 48V
System voltage	DC12V
Tire size	33*12-20
Controls	Electrical proportional control
Turning radius-(outside)	3.30m
Turning radius-(inside)	0.80m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	30%
Height-stowed	2.00m
Length-stowed	5.70m/6.50m
Width-stowed	1.75m
Wheelbase	2.00m
Ground clearance	0.14m
Hydraulic tank capacity	35L
Total weight	6.6T/7.5T

HZ160DC Working Range



HZ160JDC Working Range



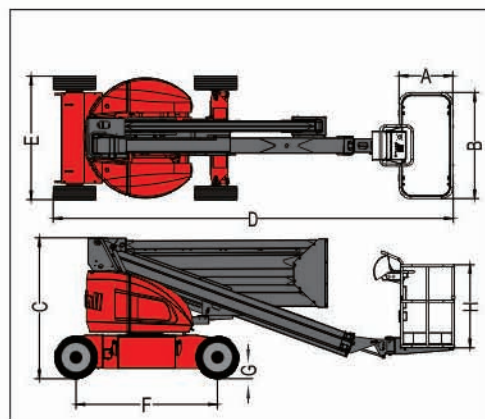
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

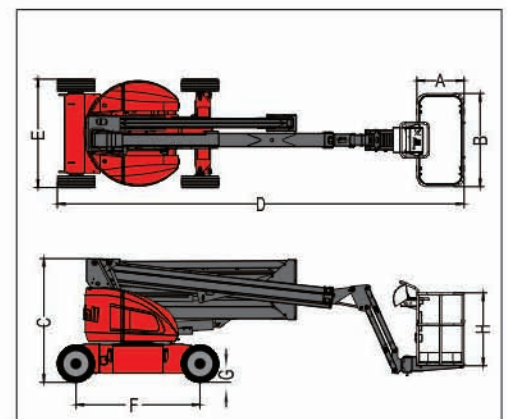
\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

HZ160DC Collecting Chart



HZ160JDC Collecting Chart



# HZ SERIES

## HZ200JDC

### SELF-PROPELLED ARTICULATED BOOMS

#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

#### Options Features

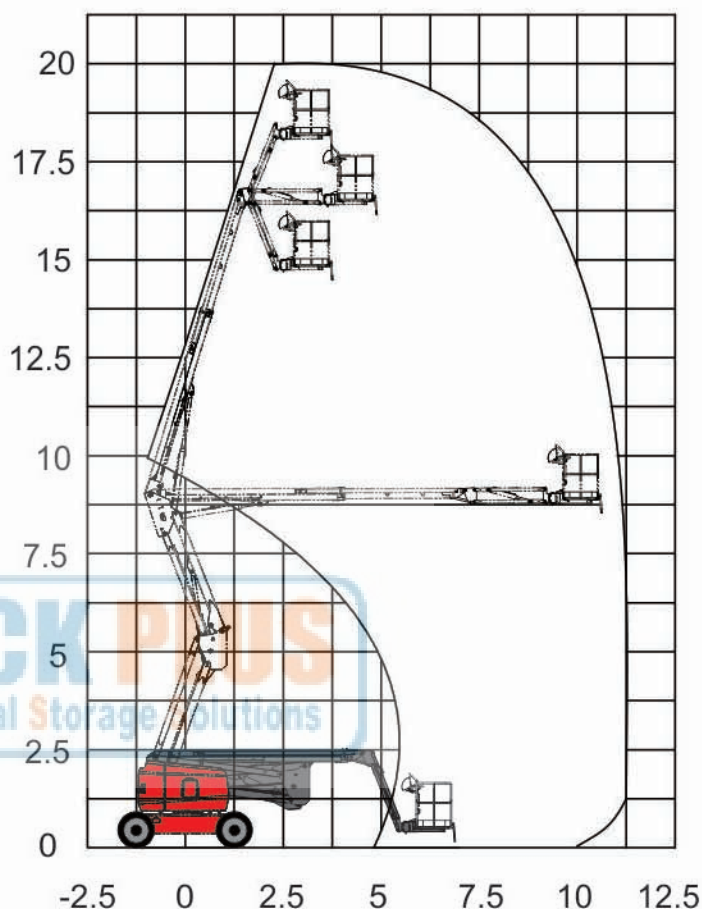
- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights



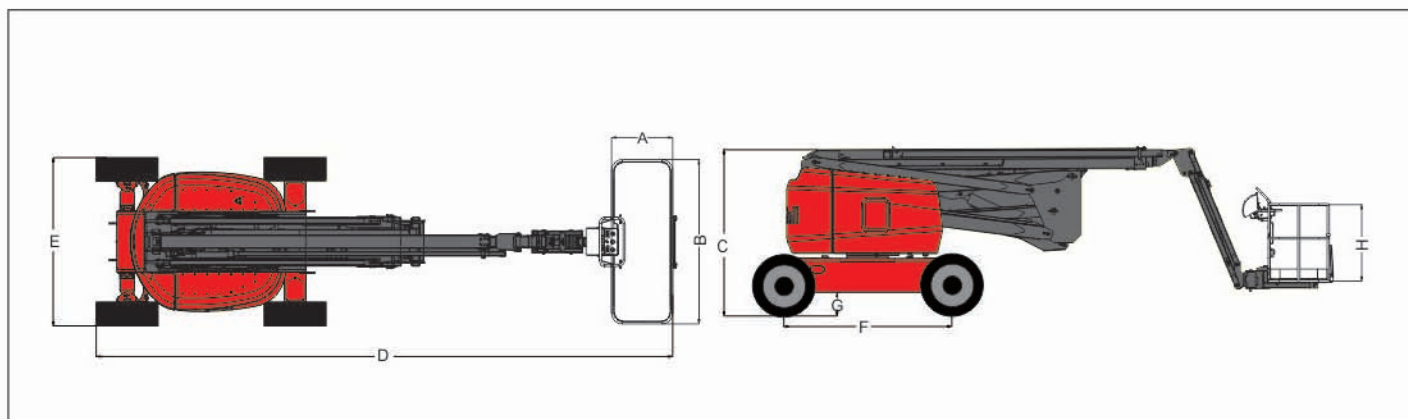
# HZ SERIES

Model	HZ200J DC
Lift capacity max	230kg
Working height max	20.00m
Working platform height max	18.00m
Working platform outreach max	12.00m
Across height max	8.00m
Turntable rotation	355 discrete
Drive speed, stowed	4.0km/h
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	1.8m × 0.76m × 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2
Steering wheel number	2
Drive	DC 48V
System voltage	DC12V
Tire size	355/55D-625
Controls	Electrical proportional control
Turning radius-(outside)	5.50m
Turning radius-(inside)	2.80m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	25%
Height-stowed	2.60m
Length-stowed	8.00m/8.80m
Width-stowed	2.50m
Wheelbase	2.85m
Ground clearance	0.30m
Hydraulic tank capacity	110L
Total weight	9.5T

Hz200 JDC Working Range



Hz200 JDC Collecting Chart



# **HZ SERIES**

## **HZ140RT/HZ140JRT**

### **SELF-PROPELLED ARTICULATED BOOMS**

#### **Standard Features**

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

#### **Options Features**

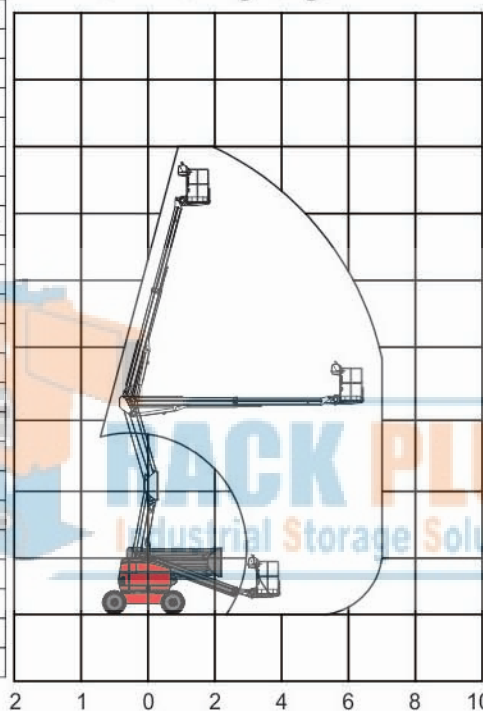
- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights



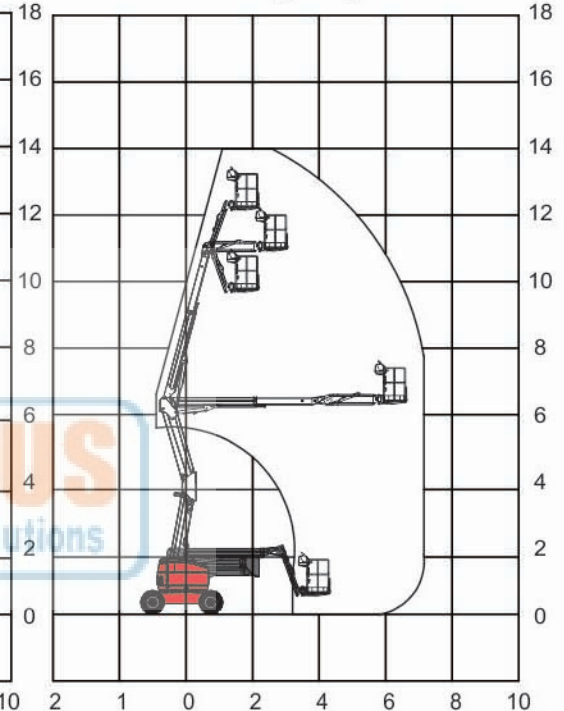
# HZ SERIES

Model	HZ140 RT/HZ140J RT
Lift capacity max	230kg
Working height max	14.00m
Working platform height max	12.00m
Working platform outreach max	7.50m
Across height max	6.50m
Turntable rotation	360 discrete
Drive speed, stowed	5.5km/h (7.0km/h 4wd)
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	1.8m x 0.76m x 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2 (4 /4WD)
Steering wheel number	2
Drive	Diesel motor
System voltage	DC12V
Tire size	33*12-20
Controls	Electrical proportional control
Turning radius-(outside)	3.70m
Turning radius-(inside)	1.30m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	30% (45%4WD)
Height-stowed	2.30m
Length-stowed	5.20m/6.20m
Width-stowed	2.00m
Wheelbase	2.00m
Ground clearance	0.36m
Hydraulic tank capacity	110L
Fuel tank capacity	65L
Total weight	6.3T/7.3T

HZ140 RT Working Range



HZ140JRT Working Range



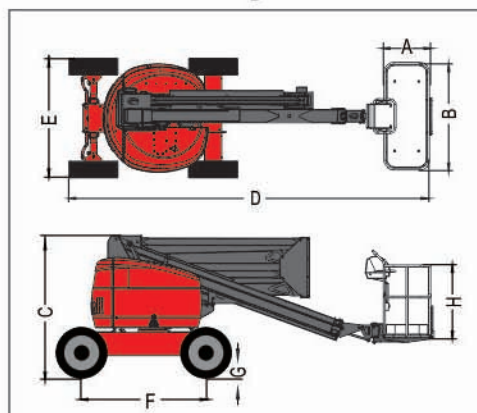
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

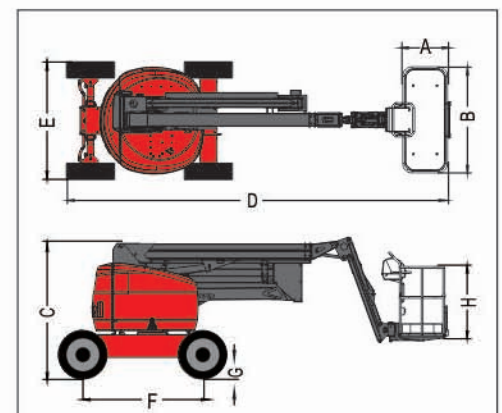
\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

HZ140 RT Collecting Chart



HZ140JRT Collecting Chart



# HZ SERIES HZ160RT/HZ160JRT

## SELF-PROPELLED ARTICULATED BOOMS



### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

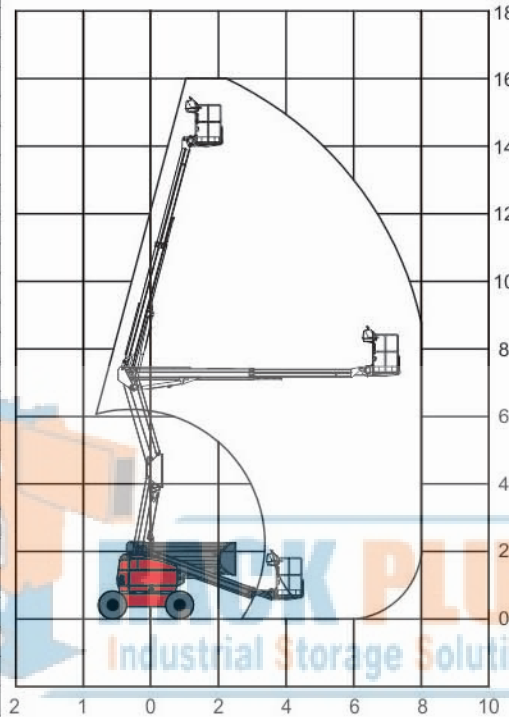
### Options Features

- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights

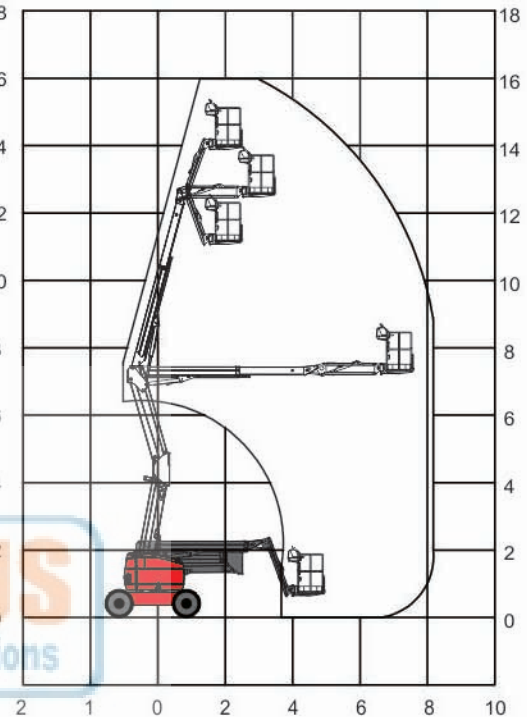
# HZ SERIES

Model	HZ160 RT/HZ160J RT
Lift capacity max	230kg
Working height max	16.00m
Working platform height max	14.00m
Working platform outreach max	8.00m
Across height max	7.00m
Turntable rotation	360 discrete
Drive speed, stowed	5.5km/h (7.0km/h 4wd)
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	1.8m × 0.76m × 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2 (4 /4WD)
Steering wheel number	2
Drive	Diesel motor
System voltage	DC12V
Tire size	33*12-20
Controls	Electrical proportional control
Turning radius-(outside)	4.00m
Turning radius-(inside)	1.50m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	30% (45%4WD)
Height-stowed	2.30m
Length-stowed	5.50m/6.50m
Width-stowed	2.00m
Wheelbase	2.00m
Ground clearance	0.36m
Hydraulic tank capacity	110L
Fuel tank capacity	65L
Total weight	6.6T/7.5T

HZ160 RT Working Range



HZ160JRT Working Range



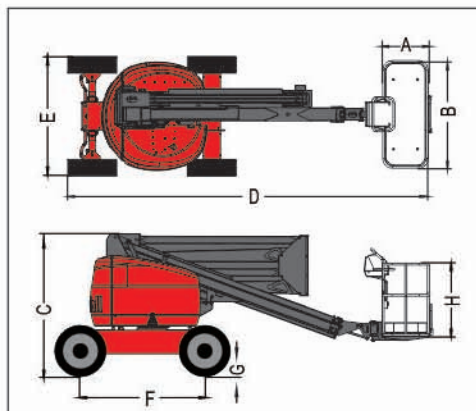
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

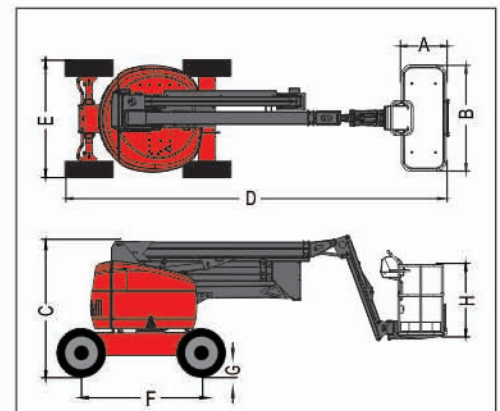
\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

HZ160 RT Collecting Chart



HZ160JRT Collecting Chart



# HZ SERIES

## HZ200JRT

### SELF-PROPELLED ARTICULATED BOOMS

#### Standard Features

- Self-leveling platform
- Hydraulic rotation platform
- Hall effect fully proportional controls
- Driving confirm
- AC wiring to platform
- Horn
- Hour meter
- Tilt alarm
- Positive traction drive
- Dual speed motor
- Emergency pump
- CAN intelligent control
- Overload limited

#### Options Features

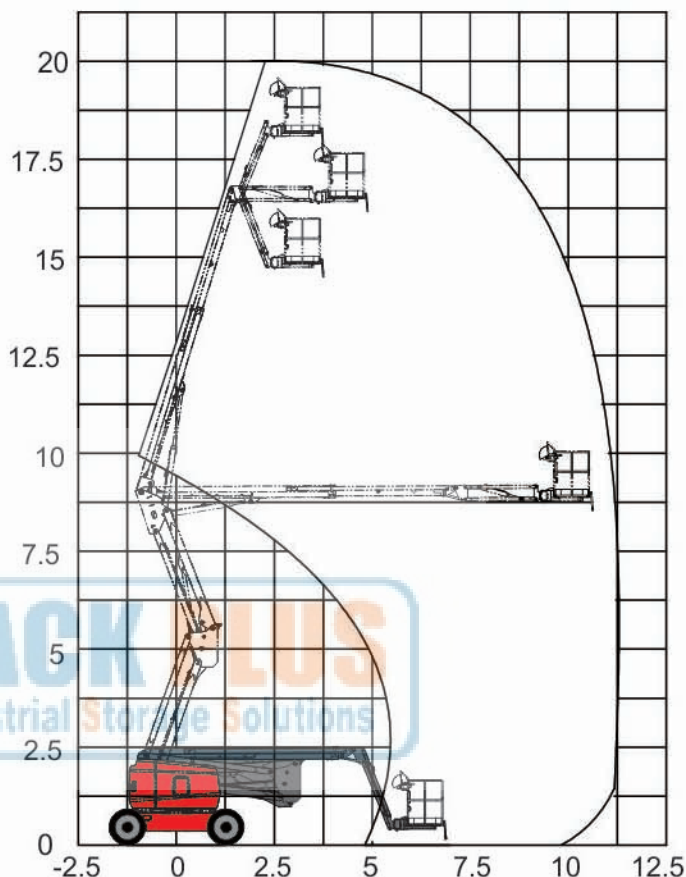
- 2.4m platform
- Swing axis
- Platform swing gate
- Platform alternate leverage
- Welder connecting packages
- Welder wire connecting to the platform
- Air line to the platform
- Hydraulic oil cooler
- Hostile environment packages
- Anti-crash air packages
- Tool tray
- Alarm packages
- Platform work lights

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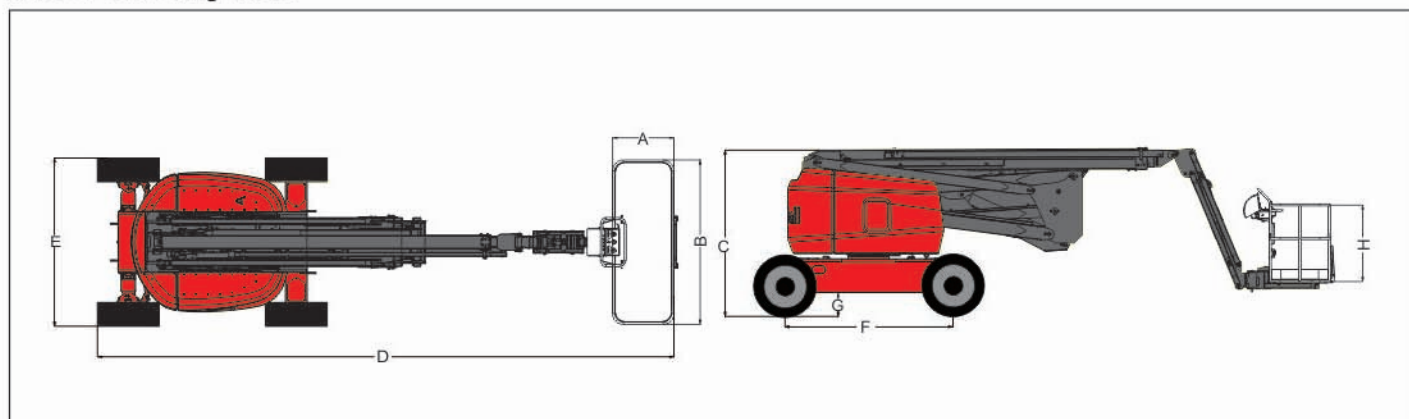
# HZ SERIES

Model	HZ200J RT
Lift capacity max	230kg
Working height max	20.00m
Working platform height max	18.00m
Working platform outreach max	11.10m
Across height max	8.90m
Turntable rotation	360 successive
Drive speed, stowed	4.8km/h
Drive speed, extended	1.0km/h
Platform rotation	180°
Boom swing	0/140°
Platform size	2.4m x 0.9m x 1.1m
Leveling platform	Hydraulic level
Drive wheels number	2 (4 /4WD)
Steering wheel number	2
Drive	Diesel motor
System voltage	DC12V
Tire size	355/55D-625
Controls	Electrical proportional control
Turning radius-(outside)	6.00m
Turning radius-(inside)	3.10m
Turntable tailswing	0
Maximum lateral force	400N
Tilt angle max	3°
Wind speed allowed max	12.5m/s
Gradeability	30% (45%4WD)
Height-stowed	2.60m
Length-stowed	8.00m/8.80m
Width-stowed	2.50m
Wheelbase	2.80m
Ground clearance	0.30m
Hydraulic tank capacity	110L
Fuel tank capacity	85L
Total weight	9.5T

HZ200 JRT Working Range



HZ200 J Collecting Chart





## **SERIES** **S1470C/S1770C/S2110C/S2512C/S2815C** **TRUCK MOUNTED PLATFORMS**

### **Flexible and accurate positioning**

Mantall S series turntable 360 degrees rotation, lifting arm can extend a maximum of 14.5 metres, the platform can be rotated 180 degrees, work location and perfect service, easily transferred across the barrier.

### **Powerful extension capability**

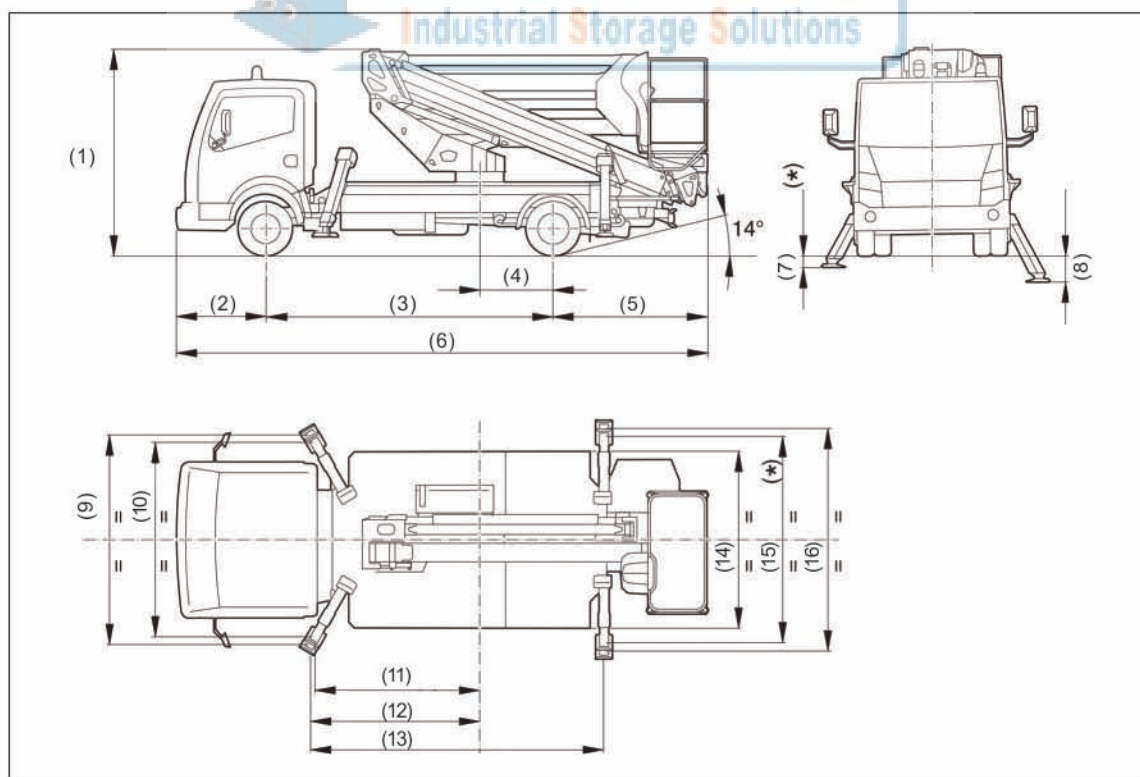
Mantall series provide users with powerful extension capability, and its extended range can be up to 14.5 meters, providing convenience for a variety of environmental work.



Model	S1470C	S1770C	S2110C	S2512C	S2815C
Working height (m)	14.35	17.20	20.00	24.80	27.80
Platform height (m)	12.35	15.20	18.00	22.80	25.80
Outreach max (m)	7.00	7.40	10.00	12.50	14.50
Turntable rotation°	360	360	360	360	360
Lift capacity (kg)	200	220	220	220	220
Platform rotation°	180	180	180	180	180
Platform size (mm)	1250×710×1100	1400×700×1100	1400×700×1100	1700×700×1100	1700×700×1100
Height-stowed (mm)	2900	2400	2400	2590	2920
Length-stowed (mm)	4950	5790	5790	7700	6900
Width-stowed (mm)	2100	2100	2100	2200	2200
Controls	Electrical proportional control				
Outriggers type	Hydraulic				
Articulating type	Steel single quads type		Steel dual quads type		
Chassis specification	3.5T	3.5T	3.5T	6T	6T

Detailed parameters, please consult the Mantall sales representatives

S Working Range



# ALP SERIES

## SUPER MATERIAL LIFT



### Standard Features

- Incorporates a silent ratchet system
- Transportation wheels
- Roller wheels with brake
- Standard forks
- Telescopic mast design
- Solid Steel base

### Options Features

- Adjustable Forks
- Flat Forks
- Boom
- Pipe cross Forks
- Load Platform
- Anti-fall function



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# ALP SERIES

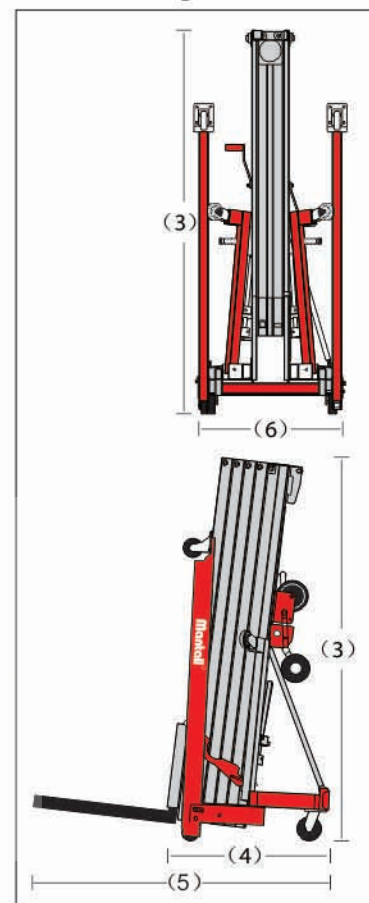
Model	ALP-10	ALP-15	ALP-20	ALP-25
Measurements				
Working height				
(1)standard forks-up	3.48 m	5.00 m	6.45m	7.95m
(2)standard forks-down	2.96 m	4.48 m	5.93m	7.43m
Adjustable forks-up	3.48m	5.00 m	6.45m	7.95m
Adjustable forks-down	2.96m	4.48 m	5.93m	7.43m
Flat forks	2.96m	4.48 m	—	—
Boom***	3.28m	4.76 m	6.25m	7.42m
Load platform**-fork up	3.49m	4.98 m	6.46m	7.94m
Load platform**-fork down	2.97m	4.46 m	5.94m	7.42m
(3)Height-stowed	1.98m	1.98m	1.98m	1.98m
(4)Length-stowed	0.75m	0.75m	0.75m	0.83m
(5)Length-operating	2.2m	2.2m	2.2m	2.2m
(6)Width-stowed*	0.79m	0.79m	0.79m	0.79m
-stabilizers lowered	1.9m	1.9m	1.9m	1.9m
Width-straddle base*				
Minimum	0.80m	0.80m	—	—
Maximum	1.47m	1.47m	—	—
Maximum inside	1.27m	1.27m	—	—
(7)Ground clearance-center	0.05m	0.05m	0.05m	0.05m
Load height minimum	0.15m	0.15m	0.15m	0.15m
Productivity				
Load capacity				
46cm load center	454kg	363kg	363kg	295kg
61cm load center	454kg	363kg	272kg	204kg
1.07m load center	181kg	227kg	159kg	113kg
Power				
Power	Single speed winch			
Weight				
Standard	163kg	183kg	203kg	224kg

\*Outside dimensions.

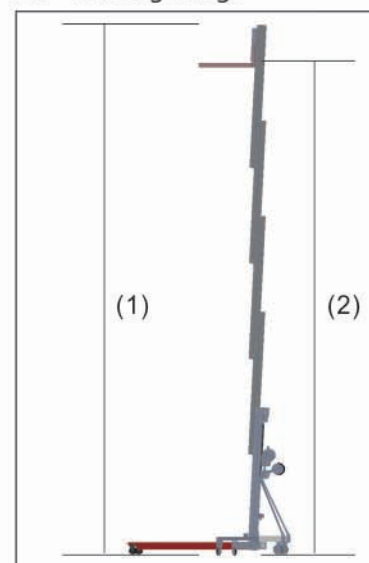
\*\*For use with standard and adjustable forks only.

\*\*\*Measured from ground to bottom of shackle.

AMP Collecting Chart



ALP Working Range



# AMP SERIES

## PORTABLE TYPE AERIAL WORK PLATFORM



### Standard Features

- Aluminum platform basket
- Polyurethane non-mark tires
- leverage ro-ro device
- Lifting ears
- Two controls of the platform and base
- Lower beeper warning
- Tilting device only AMP40
- Lowering switch
- Outrigger storage frame

### Options Features

- Door type standard/narrow/wide platform
- Fiber glass platform
- Goods collection platform
- Narrow/Rough ground chassis
- Stairs bracket
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Maintenance-free battery
- Equipment protection cover

# AMP SERIES

Model	AMP20	AMP26	AMP32	AMP40
Working height max.	8.0m	10.0m	12.0m	14.0m
Platform height max.	6.0m	8.0m	10.0m	12.0m
Lift capacity	159kg	159kg	159kg	120kg
Basket size(E*F)	0.69m*0.68m	0.69m*0.68m	0.69m*0.68m	0.69m*0.68m
Width,stowed(D)	0.74m	0.74m	0.74m	0.74m
Height,stowed(A)	1.97m	1.97m	1.97m	2.76m
Height,tilted back(B)	--	--	--	1.98m
Length,stowed(C)	1.27m	1.36m	1.42m	1.46m
Length,tilted back(J)	--	--	--	2.87m
Outrigger footprint(I*K)	1.77*1.49m	1.77*1.49m	1.99m*1.72m	2.27m*1.98m
Wall access front/side(H/G)	0.18/0.45m	0.18/0.45m	0.23/0.55m	0.42/0.65m
Power source (AC/DC)	220V/110V/12V			
Weights (AC/DC)	335kg/375kg	355kg/395kg	365kg/405kg	480kg/520kg

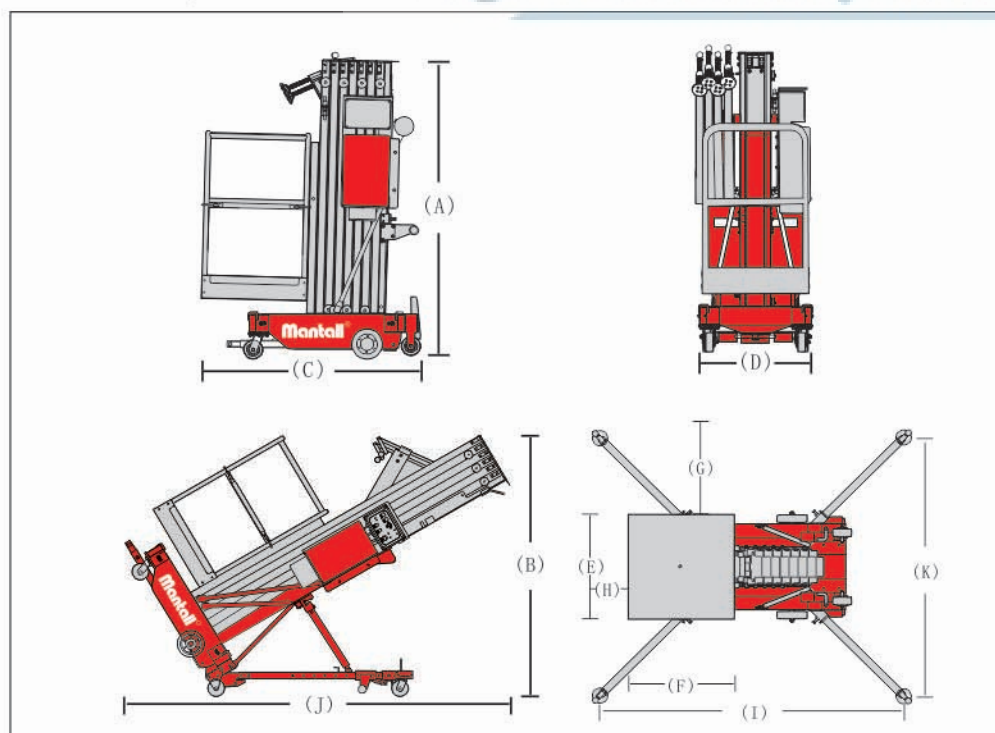
\*The metric system height is 2 meters higher than platform height,the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

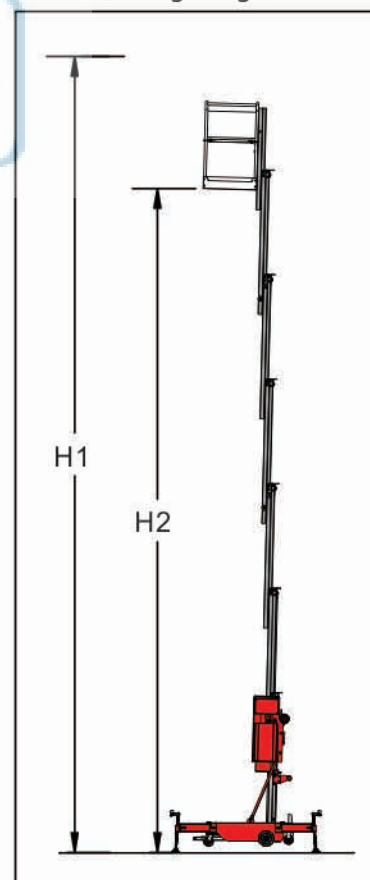
\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

AMP Collecting Chart



AMP Working Range



# ASP SERIES

## SLEEVE TYPE AERIAL WORK PLATFORM

### Standard Features

- Aluminum platform basket
- Polyurethane non-mark tires
- leverage ro-ro device
- Lifting ears
- Two controls of the platform and base
- Lower beeper warning
- Tilting device
- Lowering switch
- Outrigger storage frame

### Options Features

- Door type standard/narrow/wide platform
- Fiber glass platform
- Goods collection platform
- Narrow/Rough ground chassis
- Stairs bracket
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Maintenance-free battery
- Equipment protection cover

# ASP SERIES

Model	ASP26	ASP32	ASP40
Working height max.	10.0m	12.0m	14.0m
Platform height max.	8.0m	10.0m	12.0m
Lift capacity	136kg	120kg	120kg
Basket size ( E*F )	0.68m*0.68m		
Width, stowed(D)	0.74m	0.74m	0.74m
Height, stowed(A)	1.98m	2.63m	2.94m
Height, tilted back(B)	-----	1.98m	1.98m
Length, stowed(C)	1.45m	1.45m	1.45m
Length, tilted back(J)	-----	2.63m	2.94m
Outrigger footprint m(I*K)	1.86m*2.0m	2.13m*2.0m	2.13m*2.0m
Wall access front/side m(H/G)	0.13/0.58m	0.26/0.71m	0.26/0.71m
Power source (AC/DC)	220V/110V/12V		
Weights (AC/DC)	440kg/480kg	500kg/540kg	540kg/580kg

\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

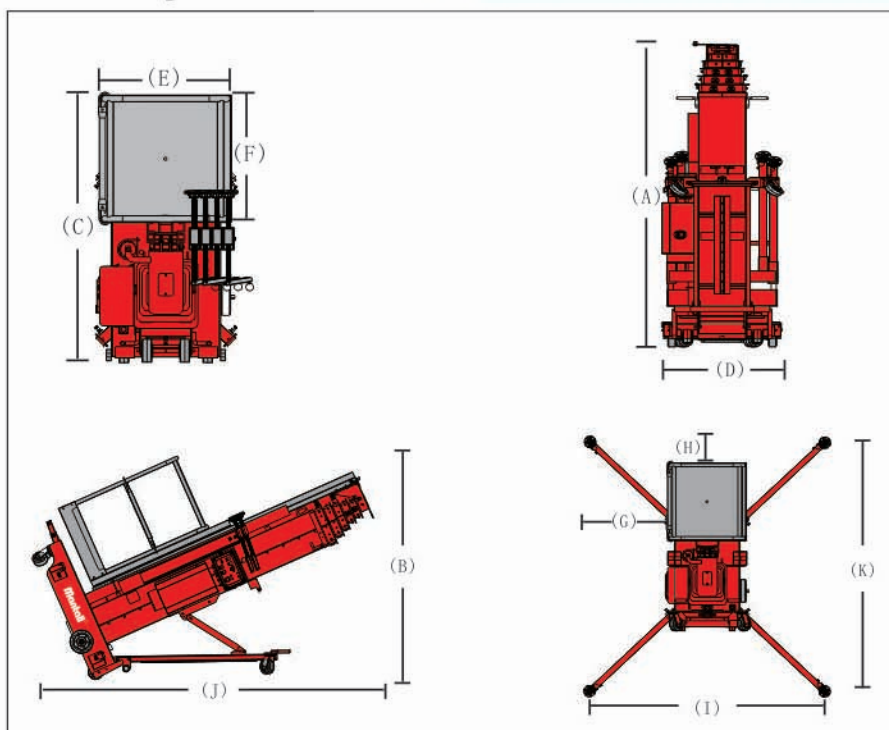
\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

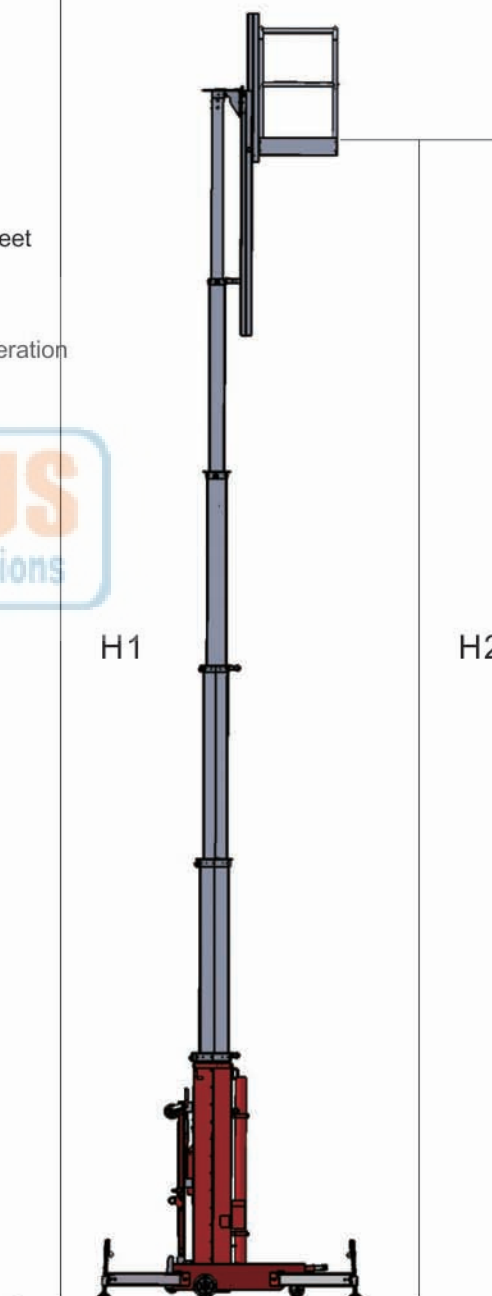
\*\*\*\*Weight according to the options and standards vary from country to country



ASP Collecting Chart



ASP Working Range



# CMP SERIES

## DOUBLE MASTS AERIAL WORK PLATFORM

### Standard Features

- Aluminum platform basket
- Polyurethane non-mark tires
- Forklift pockets
- Foldable inclined ladder
- Two controls of the platform and base
- Lower beeper warning
- Reversal platform
- Lowering switch
- Outrigger storage frame

### Options Features

- Door type wide platform
- Extendable platform
- Narrow/Rough ground chassis
- Wide chassis
- DC power
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Auxiliary drive wheel
- Maintenance-free battery
- Equipment protection cover

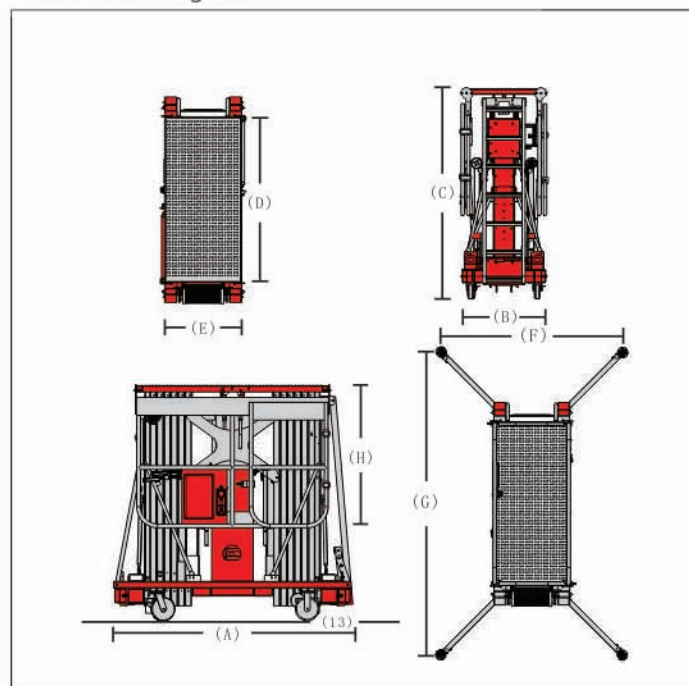
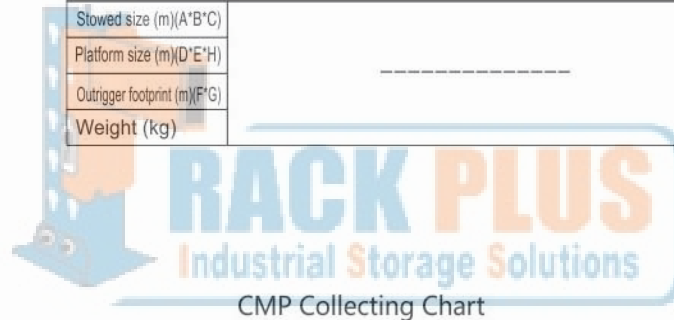
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# CMP SERIES

CMP Working Range



Model	CMP-10	CMP-12	CMP-14	CMP-16	CMP-18
Standard Parameter					
Working height (m)	10	12	14	16	18
Platform height (m)	8	10	12	14	16
Lift capacity (kg)	272	272	200	200	150
Weight (kg)	800	850	900	1065	1185
Stowed size (m)(A*B*C)	1.48×0.8×1.98		1.6×0.8×1.98	2×0.8×2.75	
Platform size (m)(D*E*H)	1.37×0.7×1.1		1.5×0.7×1.1	1.8×0.7×1.1	
Outrigger footprint (m)(F*G)	1.9*2.1		2.5*2.1	2.7*2.8	
Power source(AC/DC)	220V/110V/12V				
Option wide chassis parameter					
Stowed size (m)(A*B*C)	2.02×0.8×2		2.02×0.8×2.75	-----	
Platform size (m)(D*E*H)	1.63×0.8×1.1		1.8×0.7×1.1	-----	
Outrigger footprint (m)(F*G)	1.8×3.0		2.7×2.8	-----	
Weight (kg)	885	935	985	----	----
Option rotate chassis parameter					
Stowed size (m)(A*B*C)				2.7×0.85×1.98	
Platform size (m)(D*E*H)	-----			1.49×0.78× 1.1	
Outrigger footprint (m)(F*G)				2.98×2.81	
Weight (kg)				1490	1540



# IMP SERIES

## SELF-PROPELLED AERIAL WORK PLATFORM

### Standard Features

- The working height can reach up to 8m
- The lift capacity can reach to 350 lbs(160kg)
- Standard platform with median sliding rod
- Auxiliary platform lowering system
- The platform entrance height for a minimum of 0.38 meters
- Ground emergency lowering valve
- Proportional raising and Driving control
- Diagnosis system
- AC wiring to platform
- Adjustable work tray
- Lowering and tilting alarm
- Turn inter-radius is 0
- Double wheel brake
- Hydraulic brake release
- Pothole guards
- The rear shield mounted with hinge, Conveniently to close to all major electrical and hydraulic components
- Transportation fixing hole
- Wide type forklift handling notch
- Non-mark solid tire

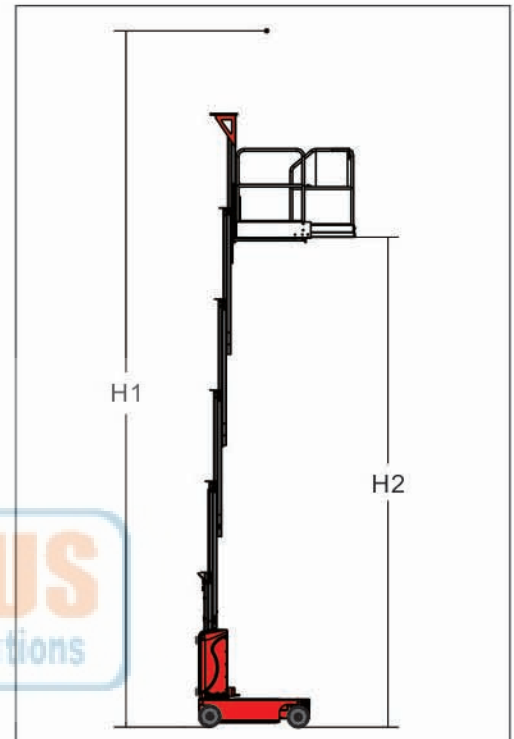
### Options Features

- Door type standard/narrow/wide platform
- Extendable platform
- Fiber glass platform
- Goods collection platform
- Motion alarm
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Maintenance-free battery
- Can not be drive when charging



Model	IMP55	IMP65	IMP80
Working height	5.5 m	6.5 m	8 m
Platform height	3.5 m	4.5 m	6 m
Platform size(length*width)standard	0.9 x 0.75 m		
Standard extension platform	1.50 x 0.75 m		
Length of the machine with platform extended(D)	2.0 m		
Stowed size(A*B*C)	1.6 x 1.40 x 0.8		2 x 1.4 x 0.8
Lift capacity	230 kg		160kg
Weight	716kg	993kg	1110kg
Raising/lowering time	20/18s		24/21s
Ground clearance	0.06 m		
Extension platform-lift capacity*	115 kg		
Driving speed-stowed	4.0Km / h		
Driving speed-raising	0.8Km / h		
Gradeability	30%		
Inside rotation radius	0		
Outside rotation radius	1.42 m		
Control	Electro-hydraulic control		
Tire	Seamless250mm x 80mm x 200mm		
Power source	DC 24V 225Ah		
Hydraulic tank capacity	8.5L		

IMP Working Range



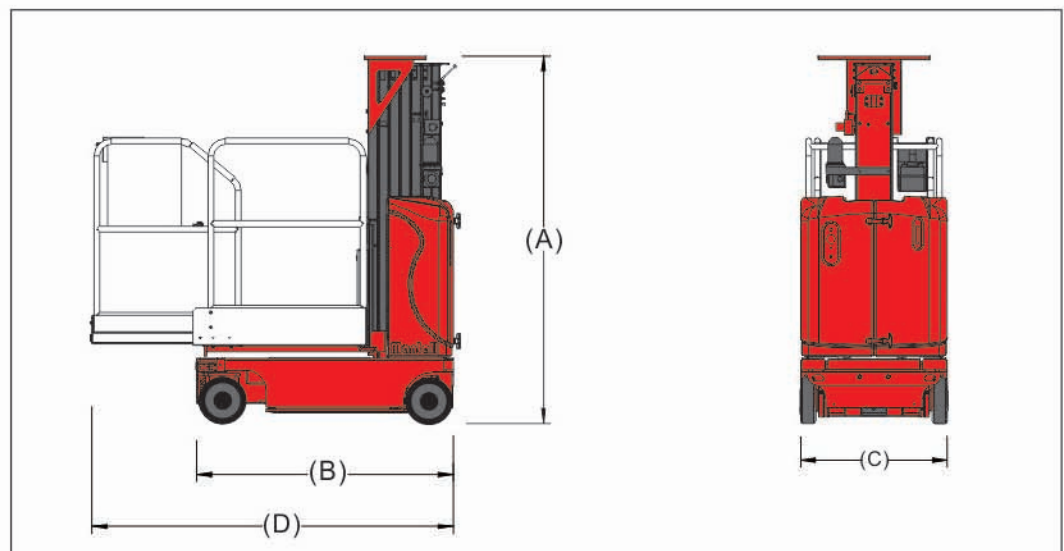
\*The metric system height is 2 meters higher than platform height, the imperial height is 6 feet than platform height

\*\*In the rising mode, the machine is designed to operate on a solid flat surface.

\*\*\*Climbing ability is suitable for driving on the slope, the slope classification reference operation manual

\*\*\*\*Weight according to the options and standards vary from country to country

IMP Collecting Chart



# IMP-J-SERIES

## SELF-PROPELLED AERIAL WORK PLATFORM

### Standard Features

- The working height can reach up to 10m
- The lift capacity can reach to 200kg
- Standard platform with median sliding rod
- Auxiliary platform lowering system
- Ground emergency lowering valve
- Proportional raising and Driving control
- Diagnosis system
- AC wiring to platform
- Adjustable work tray
- Lowering and tilting alarm
- Turn inter-radius is 0
- Double wheel brake
- Hydraulic brake release
- Pothole guards
- The rear shield mounted with hinge. Conveniently to close to all major electrical and hydraulic components
- Transportation fixing hole
- Wide type forklift handling notch
- Non-mark solid tire

### Options Features

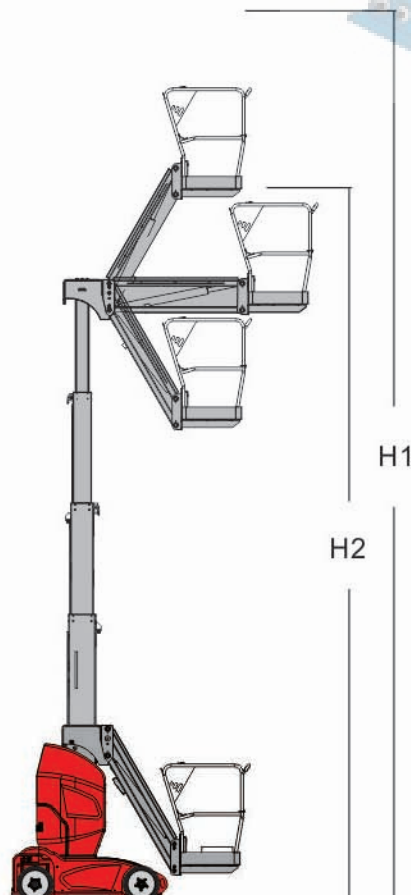
- Door type standard/narrow/wide platform
- Extendable platform
- Fiber glass platform
- Goods collection platform
- Motion alarm
- Tool box
- Platform positioning laser lights
- Fluorescent tubes box
- Working flashing beacon
- Top limit protection auto-stop device
- Maintenance-free battery
- Can not be drive when charging

**RACK PLUS**  
Industrial Storage Solutions

# IMP-J-SERIES

Model	IMP80J	IMP100J
Working height max. H1	8	10
Platform height max. H2	6	8
Outreach max.	3.15	3.15
Lifting capacity	200	200
Weight	2800	2870
Platform size, (L*W*H)	0.91*0.67*1.1	0.91*0.67*1.1
Stowed size, (L*W*H)	2.76*0.99*1.99	2.76*0.99*1.99
Gradeability	23%	23%
Wheelbase	1.2	1.2
Ground clearance	0.081	0.081
Pothole protection board ground clearance ,m	0.033	0.033
Turning radius(outside) m	1.75	1.75
Turning radius(inside) m	0	0
Jib swing	-60°/+60°	-60°/+60°
Vertical tilt max.	3	3
Driving speed, stowed	4.5	4.5
Driving speed, raised	0.7	0.7
Power source	24V/240Ah	24V/240Ah
Tire size(mm)	406*125	406*125

IMP Working Range



**The new design**  
**Lighter and more flexible**

IMP Series Self-propelled Single Mast Aerial Work Platform has compact design, light weight, quickly up and down and self-propelled, can greatly improve its work efficiency. With unique 'Zero inside turning radius', it is flexible and used in narrow space. Mantall IMP100J is full with modernistic feeling, using the streamlined design and the appearance of lines are strong. It is suitable for indoor narrow space, self-weight is light and stowed size is small (2.69m length\*0.99m width\*1.99m height). It has a working height of 10m and 3.2m working radius.

IMP Collecting Chart

