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Self-propelled Electric Scissor Lifts

Aerial work platform

The World of Hangcha



Self-propelled Electric Scissor Lifts

HANGCHA self-propelled electric scissor lifts are the high efficient, safe and ideal solution for modern industry. Ideal for maneuvering in tight Spaces, they're excellent for indoor and outdoor application, all the functions, lifting, lowering, steering, forward and backward are under operator's control. Easy maintenance and service after opening the battery cover, all key parts are easy access. With low noise level, and high reliability, HANGCHA self-propelled electric scissor lifts are always your best partner.



**Easy/
Efficiency/
Economy**



Joystick(HANGCHA)



Extension platform



Hydraulic and electric system



Battery



Brake



Traction motor



Supporting arms: To protect the operator when he is doing repair or maintenance job



Explosion proof valve: To prevent the machine falling when the oil pipe is leaking



Manual lowering valve: When the operation system failed or the battery power is too low to let the platform decline, we can use this valve to lower the machine



Manual release valve: When the machine can not move, you can push the machine after pressing this valve



Anti-overturning system: When the machine raises to more than 2m, this system will work automatically, to protect the machine from overturning while walking at un-leveling ground.



Angle sensor: when it is lifting and walking on the slope, the sensor will automatically judge the status of the machine, if the angle is larger than the rated angle, it will alarm to remind the operator.

Characteristics

- / The proportional control system: Control the speed Of Traveling and lifting as you need
- / Control box: This box is including the function Of Traveling and lifting, when you use the joystick, you can Operate the machine With only one hand.
- / Self-leveling sensor. When the degree is more than 1.5°(horizontal direction)/ 3°(vertical direction), it will alarm.
- / LED display: Easy for maintenance.
- / Steering system. The turning radius is small,it can work In the narrow space.
- / Extension deck: You can reach the working place by the Extended platform.
- / Reasonable arrangement: All the parts of hydraulic system and electric system are located In the side doors, convenient to repair.
- / Safety: Alloy steel axis, to make sure the safety, reliable and efficient.
- / Internal charger: You can charge the battery directly, do not need to remove it from machine.
- / Hydrostatic transmission: Using hydrostatic transmission system technology.

Application

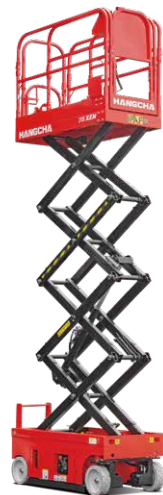
- / Locomotive maintenance station, airport, power station, gym, big company ect.

Standard Equipment

- / The lifting system
- / The proportional control
- / Anti-overturning system
- / Control box
- / Internal Charger
- / Hour meter
- / Alarm light
- / Maintenance free battery(Lead-acid)

Options

- / Working lights(two lights)
- / Socket device on the basket
- / Leakage protector for socket
- / Beeper
- / Warning tape
- / Anti-overload system(Required by CE)
- / Imported brand control system
- / Air pipe to basket
- / Anti-explosion modification
- / Special color customization



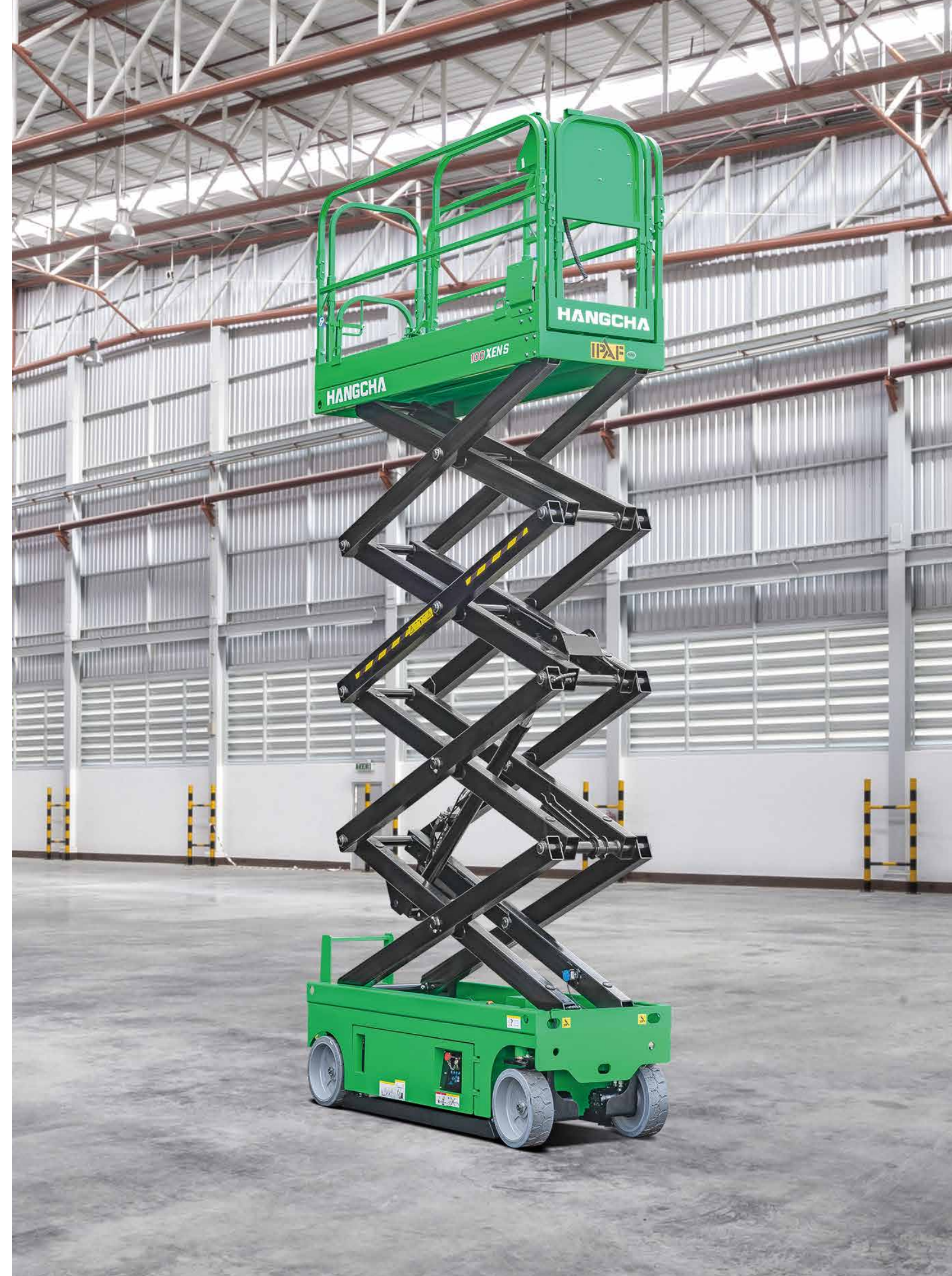
78XEN



100XENS



160XEN



Battery



Standard: Maintenance free battery (lead acid)				
	65XEN	78XEN	80XENS	100XENS
Battery(4x6v)	24V,200Ah	24V,200Ah	24V,200Ah	24V,200Ah

Standard: Maintenance free battery (lead acid)						
	80XEN	100XEN	120XEN	140XEN	160XEN	160XENS
Battery(4x12v)	24V,200Ah	24V,200Ah	24V,200Ah	24V,200Ah	24V,200Ah	24V,200Ah

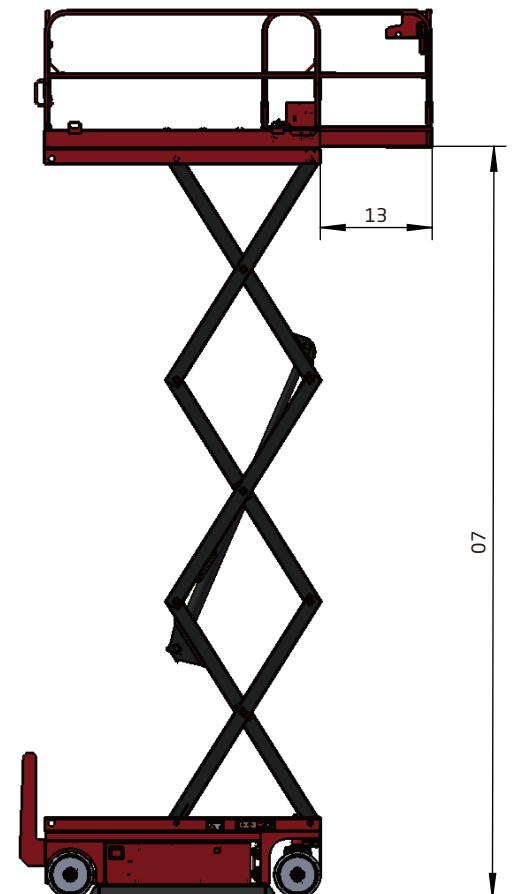
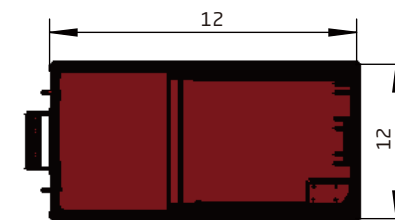
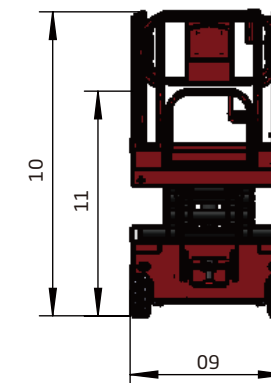
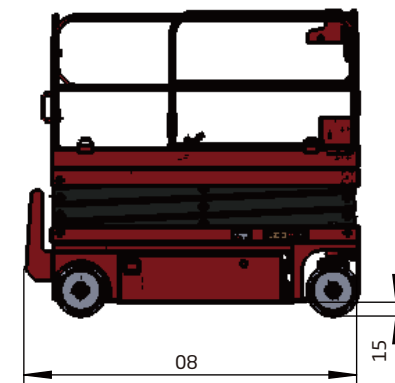


Option: Lithium battery				
	HS0608HI(65XEN)	HS0708HI(78XEN)	HS0808HI(80XENS)	HS1008HI(100XENS)
Battery(CATL)	24V,150ah	24V,150ah	24V,150ah	24V,150ah

Option: Lithium battery						
	HS0812HI(80XEN)	HS1012HI(100XEN)	HS1212HI(120XEN)	HS1412HI(140XEN)	HS1614HI(160XEN)	HS1612HI(160XENS)
Battery (CATL)	24V,200ah	24V,200ah	24V,200ah	24V,200ah	24V,200ah	24V,200ah

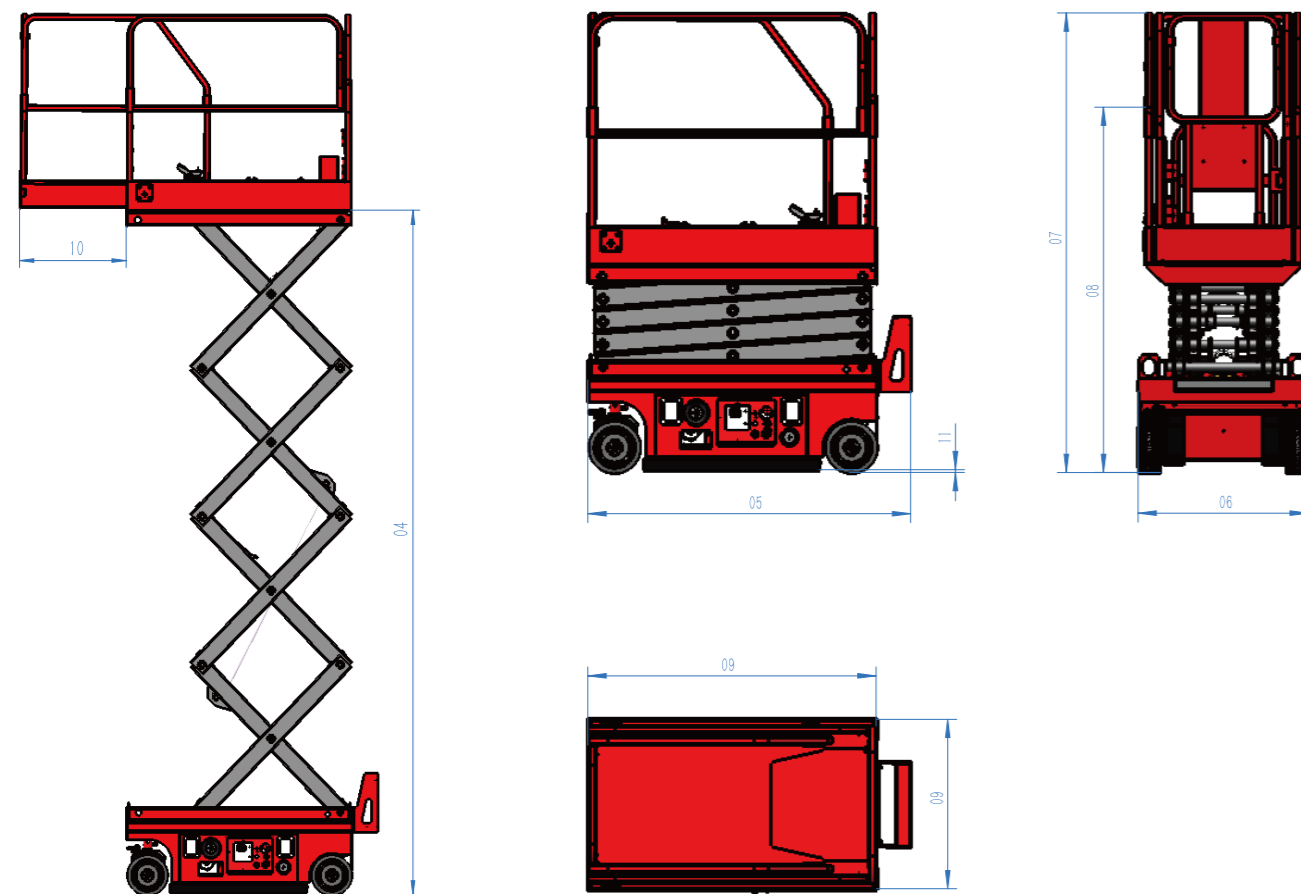
Self-propelled Electric Scissor Lifts

HANGCHA GROUP CO.,LTD.											
01	Manufacturer	HANGCHA GROUP CO.,LTD.									
02	Model	65XEN	78XEN	80XENS	100XENS	80XEN	100XEN	120XEN	140XEN	160XEN	160XENS
03	Maximum load capacity(outdoor/indoor)	320	230	380	230	450	450	320	320	230	230
04	Maximum load capacity of extended platform	kg 113	113	113	113	113	113	113	113	113	113
05	Maximum number of workers	Indoor 2/outdoor 1	Indoor 2/outdoor 1	Indoor 2	Indoor 2	Indoor 2/outdoor 1	Indoor 2/outdoor 1	Indoor 2/outdoor 1	Indoor 2	Indoor 2	Indoor 2
06	Height,working	m 6.5	7.8	8	10	8	10	12	13.8	15.7	15.7
07	Height, platform	m 4.5	5.8	6	8	6	8	10	11.8	13.7	13.7
08	Length	m 1.89	1.89	2.48	2.48	2.48	2.48	2.48	2.48	2.84	2.84
09	Width	m 0.81	0.81	0.81	0.81	1.15	1.15	1.15	1.15	1.4	1.25
10	Height(Guardrail Unfolded)	m 2.07	2.19	2.23	2.37	2.23	2.37	2.5	2.64	2.64	2.64
11	Height(Guardrail Folded)	m 1.72	1.84	1.88	2.02	1.63	1.77	1.9	2.04	2.04	2.04
12	Working dimensions	m 1.68*0.78	1.68*0.78	2.27*0.81	2.27*0.81	2.27*1.14	2.27*1.14	2.27*1.14	2.27*1.14	2.64*1.14	2.64*1.14
13	Length, extended maximum	m 0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
14	Wheel base	m 1.36	1.36	1.87	1.87	1.87	1.87	1.87	1.87	2.22	2.22
15	Ground distance	cm 7.7(fold) 1.6(lift)	10(fold) 1.6(lift)				10(fold) 2(lift)				
16	Turning radius(inside)	m 0	0	0	0	0	0	0	0	0	0
17	Turning radius(outside)	m 1.64	1.64	2.1	2.1	2.2	2.2	2.2	2.2	2.7	2.65
18	Drive speeds	km/h 0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-3.5	0-3	0-3
19	Up time	s 12±2	16±2	20±2	28±2	25±3	34±3	53±3	63±5	65±5	65±5
20	Down time	s 26±4	36±4	37±4	50±5	37±5	50±5	50±5	60±7	70±7	70±7
21	Lifting speed (unladen)	m/s 0.3	0.3	0.24	0.24	0.2	0.2	0.16	0.16	0.19	0.19
22	Descending speed (unladen)	m/s 0.14	0.14	0.13	0.13	0.14	0.14	0.17	0.17	0.18	0.18
23	Motor model	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5HP-2	XQD-4.5-9	XQD-4.5-9
24	Motor rated power	kw 3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.5	4.5
25	Battery	V/Ah 24V/200	24V/200	24V/200	24V/200	24V/200	24V/200	24V/200	24V/200	24V/200	24V/200
26	Charger	V/A 24/30	24/30	24/30	24/30	24/30	24/30	24/30	24/30	24/30	24/30
27	Maximum slope rating	% 25	25	25	25	25	25	25	25	25	25
28	Maximum allowable inclination	° 3°	3°	3°	3°	3°	3°	3°	3°	3°	3°
29	Tire size	mm φ305*100mm	φ305*100mm	φ381*127mm	φ381*127mm	φ381*127mm	φ381*127mm	φ381*127mm	φ381*127mm	φ381*127mm	φ381*127mm
30	Weight	kg 1315	1435	2085	2180	2230	2370	2810	3040	3240	3280



Mini Self-propelled Scissor Lifts (Electric Motor Drive) Specification

		HANGCHA GROUP CO.,LTD.	
01	Manufacturer		
02	Model	60XEND	76XEND
03	Working height	(m/in) 5.9/233	7.6/300
04	Platform height	(m/in) 3.9/153	5.6/220
05	Overall length	(m/in) 1.44/57	1.52/60
06	Overall width	(m/in) 0.76/30	0.81/32
07	Overall height	(m/in) 2.08/81.8	2.18/85.8
08	Height with rails folded	(m/in) 1.71/67.3	1.81/71.3
09	Platform size	(m/in) 1.29×0.7/50.8×27.5	1.37×0.7/54×27.5
10	Platform extension size	(m/in) 0.6/23.6	0.6/23.6
11	Ground clearance	(m/in) 0.06/2.4	0.06/2.4
12	Turning radius inside	(m/in) 0.4/15.7	0.45/17.7
13	Turning radius outside	(m/in) 1.55/61	1.6/63
14	Rated load	(kg/lb) 250/551	230/507
15	Load on extension	(kg/lb) 113/250	113/250
16	Batteries	(V/AH) 24.80	24.80
17	Weight ±30	(kg/lb) 900/1984	1270/2910
18	Travel speed km/h	(mph) 0~4(0~2.48)	0~4(0~2.48)
19	Lift time	(s) 32	26
20	Lowered time	(s) 27	21
21	Tyre	Non-mark Tyres	Non-mark Tyres
22	Maximum slope	2°/3°	1.5°/3°
23	Gradeability	30%	30%
24	Working area	"indoor 0km/h(0mph) outdoor 12.5km/h(7.7mph)"	"indoor 0km/h(0mph) outdoor 12.5km/h(7.7mph)"



Mini Self-propelled Scissor Lifts (Electric Motor Drive)

Aerial work platform

The World of Hangcha
SINCE 1956





Anti-overturning system, When the machine raises to more than 2m, this system will work automatically, to protect the machine from overturning while walking at un-leveling ground



Manual lowering handle, When the operation system failed or the battery power is too low to let the platform decline, we can use this handle to lower the machine



LCD screen, used to display fault code and adjust parameters



Supporting arms, To protect the operator when he is doing repair or maintenance job

Designed to be used in buildings

/ The working height can perfectly adapt to the needs of building working.

Mini Size

/ The compact size makes the machine gets into the elevator with free access.

Light Weight

/ The weight is very light, which can meet the load limit of elevator and better protect the ground.

Large Capacity

/ Though the self-weight is light, it has a large capacity, the machine can allow two peoples working together.

High Efficiency

/ Equipped with efficient fully electrified DC drive system, more durable.

Low Failure Rate

/ Simple and clear system, drawer structure, easier maintenance, lower use cost.

High Rewarding

/ Transport and procurement costs are lower, and rental prices are comparable to regular models.

Green Environment Protection

/ Electric drive walking system, zero emission, low noise, more suitable for indoor use.



Control system



Motor and brake



Explosion proof valve, To prevent the machine falling when the oil pipe is leaking



Extension platform



The parts are well located