

HANAKIUP Co., Ltd.

Developed Product

Driving device

Stability

Ability

Waterproof ability

Time of use per charge



HANAKIUP

Founded in 2012, **HANAKUP Co., Ltd.** is a company which designs, manufactures,

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HANAKIUP

Introduction of the Company

Founded in 2012, HANAKUP Co., Ltd. is a company which designs manufactures, and supplies control systems intended for various industrial machines.

We also develop and supply all control systems to all high elevation workstations produced by domestic medium sized companies, further to developing and supplying operating softwares on our own.

In addition, we are developing and supplying control systems and softwares to be applied to various industrial machines with many domestic companies, and are also diversifying businesses with various industrial machines.

We are also planning to collaborate with foreign companies.



Business scope products

Product Characteristics

Model	High elevation workstation for 5.8M, 7.8M
Overview	<p>Self-propelled high elevation workstation applied with self-driven electronic control system</p> <p>24V * 2EA application ensures working for over 8 hours</p> <p>Applied with a rollover and constriction prevention system</p> <p>Exclusive for clean room and general model production</p> <p>Function: Self-driven driving and Lift Up / down by precise control</p> <p>Applications: Building maintenance, construction work, fire fighting work, transportation of logistics and mobilization, dismantling and relocation of facilities, and other works</p>
Safety	<p>All types of safety secured against industrial accidents (rollover, constriction, overload, high slope driving prohibited, high slope elevation, prohibited)</p>
Product specifications	<p>Maximum height: 5.8M / 7.8M</p> <p>Rated load: 240Kg</p> <p>Lift elevation prevention function for overload</p> <p>Vehicle's width: 0.8M</p> <p>Minimum rotation radius 1.6M</p> <p>Maximum allowable speed: 4.0Km/Hr</p> <p>Minimum safety speed: less than 0.1Km/Hr</p> <p>Safety driving climbing angle: 25%</p> <p>Equipped with lift elevation sensor for horizontal floor safety</p> <p>Sensor mounted for constriction and over elevation prevention in the event of contact with obstacles</p>

Specifications

Some specifications may change depending on the manufacturer's circumstances.

Item		5.8M	7.8M
Work floor height	Max	5,750mm	7,750mm
	Min	1,000mm	1,000mm
Rated working load	Total	240 kg	240 kg
	Desk	120 kg	120 kg
Traveling speed	High	0~4.0 km/hr	0~4.0 km/hr
	Low	< 0~0.8 km/hr	< 0~0.8 km/hr
Grade ability		25%	25%
Overall length(mm)		1,870	1,870
Overall height(mm)		2,010	2,010
Overall width(mm)		800	800
Platform size(mm)		1,870×800×1,100	1,870×800×1,100
Extension length(mm)		900	900
Gross weight(Kg)		1,420	1,500
Travel	AC motor	0.7Kw	0.7Kw
Lift , Steering	DC motor	2.2Kw	2.2Kw
Battery	Capacity	180 Ah	180 Ah
	Voltage	12V×4	12V×4
System voltage		DC 24V	DC 24V
Rated hydraulic pressure		15.0MPa(150bar)	15.0MPa(150bar)
Hydraulic oil tank pressure		6.0L	6.0L

Developed Products' Characteristics

◎ Very good / ○ Good / × Poor

Comparison of characteristics by manufacturer				
Item		Ilsung Machineries & Industry Co., Ltd. (Applied to own products)	AICHI	SkyJack
Mechanical characteristics	Driving device	AC motor + AC inverter	AC motor + AC inverter	Hydraulic motor
	Steering device	Hydraulic + DC inverter	Hydraulic + DC inverter	Hydraulic
	Lift system	Hydraulic + DC inverter	Hydraulic + DC inverter	Hydraulic pump
	Information delivery system	CAN communication	Electrical signal cable	Electrical signal cable
	O S	Own SW	Own SW	× (ON/OFF contact method)
Stability	Processing speed	◎	○	×
	Reaction speed	◎	○	×
	Ride comfort	◎	○	×
	Driving stability	◎	○	×
	At a certain height	◎	○	×
Ability	Driving stability	◎	○	×
	System protection function	◎	○	×
	Display Code No.	○	×	×
	Gradeability	○	○	○
	Driving ability	○	○	○
	Waterproof ability	○	○	×
	Built-in charger	○	○	○
	Time of use per charge	◎	◎	×

Control system _Centralized control system, (AC + DC Controller) applied



Hydraulic system _500Kg or more of power



Power equipment



Battery
12V x 4EA, 24V x 2EA

Workstation control unit



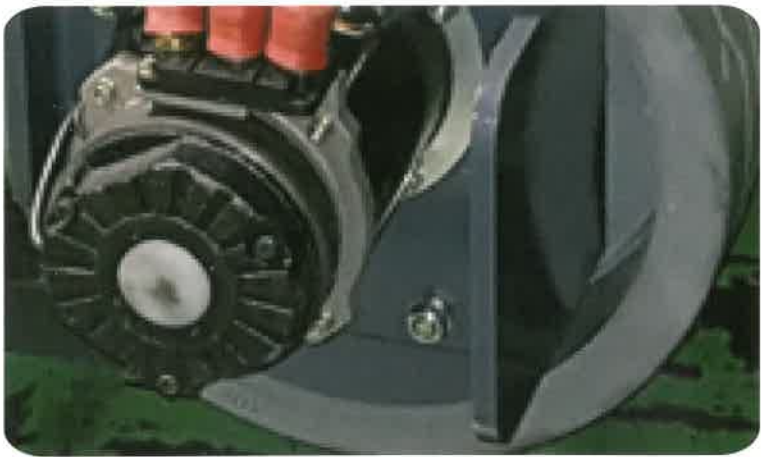
Travel, Lift operation
Safety switch

Chassis control unit



Lift operation
Charger

Driving equipment



AC Motor 0.7KW



Finished car



Operated car

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