

# iJack - 40

(4,000 LBS. Capacity)

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**Owner's Manual**

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PLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

If you have any queries concerning the duration and terms of the guarantee, please contact your supplier. We would also refer you to our General Sale and Supply Conditions, which are available on request.

The manufacturer accepts no liability for any damage or injury caused by failure to follow these instructions or from negligent operation or assembly, even if this is not expressly stated in this instruction manual. In light of our policy of continuous improvement, it is possible that details of the product may differ from those described in this manual. For this reason, these instructions should only be treated as guidelines for the installation of the relevant product. This manual has been compiled with all due care, but the manufacturer cannot be held responsible for any consequences of errors. All rights are reserved and no part of this manual may be reproduced in any way.

We would like to inform you about the fact that this RAVAS product is 100% recyclable on the basis that the parts are processed and disposed of in the right manner.

More information can be found on our website: [www.ravas.com](http://www.ravas.com)



**OPERATION MANUAL  
IJACK-40**

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# ↓ iJack-40 FEATURES

## ■ Optimized Structure, Easy Operation

The Metal Protective Cover of the Battery Can Be Flipped Over, Which Can Effectively Protect the Battery.

The Battery Has Simple Cover with Two Combination Modes, It Can Prevent the Battery from Plugging and Unplugging at Will

## ■ New Plug-In & Out Battery Design

On-Board Charger with Plug-in & Out Battery to Satisfy Different Working Conditions.

Fast Charging Can Be Optionally Equipped

Li-ion Battery Equipped with CAN and BMS, Which is More Convenient to Use

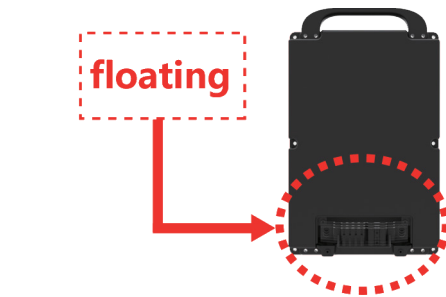
## ■ Safe

The iJack-40 Uses the Second Generation Drive Technology and Brushless DC Motor. There is No Need to Replace the Carbon Brush and the Drive is More Powerful.

The iJack-40's Maximum Gradeability Can Reach 10% with the Load of 3,000 lbs.

## ■ Rigorous Design and Convenient Maintenance

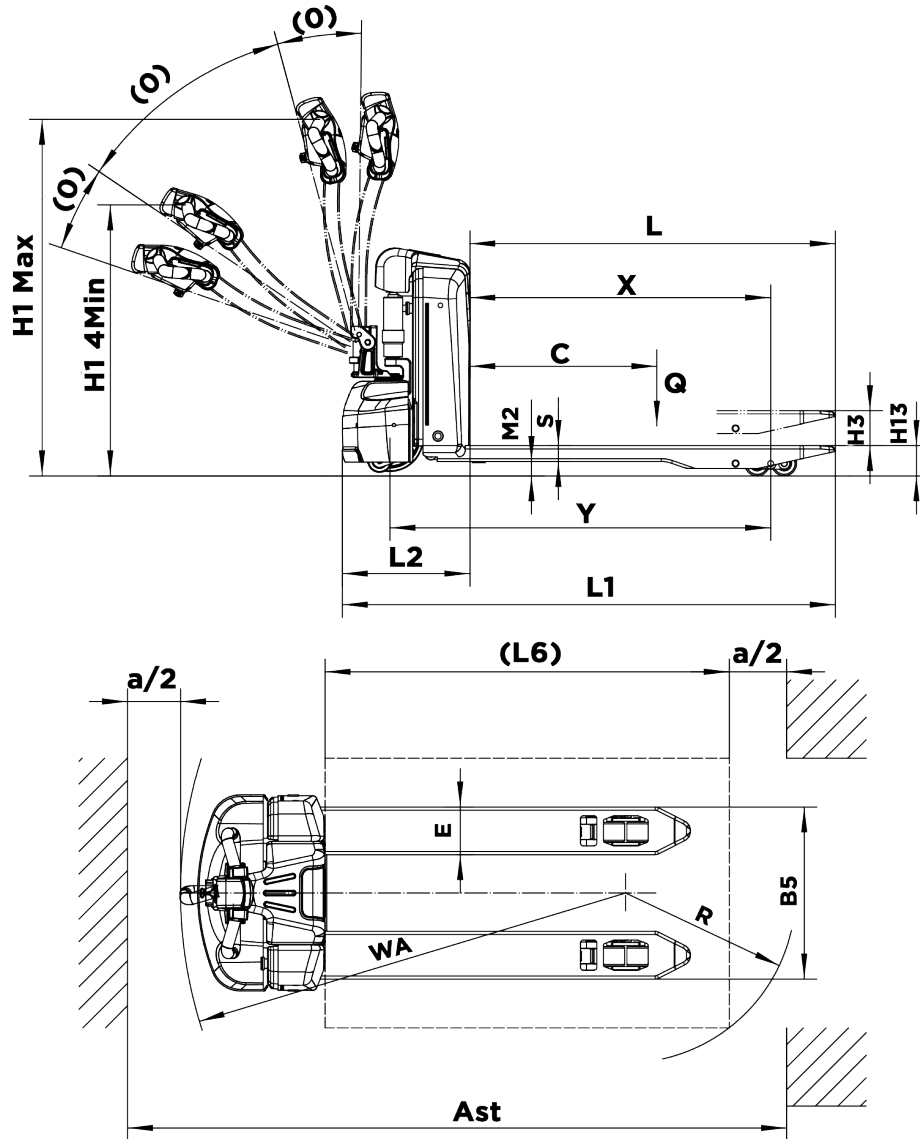
Floating Battery Cartridge to Protect Battery Contact Pins



# SPECS - iJack 40

Distinguishing Mark				
1.1	Manufacturer			RAVAS
1.2	Model Designation			iJack 40
1.3	Drive Unit			Electric
1.4	Operator Type			Pedestrian
1.5	Rated Capacity	Q	Lbs.	4,000
1.6	Load Center Distance	C	In.	23.62
1.7	Axle Center to Fork Face	X	In.	37.40
1.8	Wheelbase	Y	In.	47
Weights				
2.1	Service Weight (Include Battery)		Lbs.	375
2.2	Axle Loading with Load, Driving Side/Loading Side		Lbs.	1,411/2,932.15
2.3	Axle Loading Without Load, Driving Side/Loading Side		Lbs.	286.60/88.18
Wheels/Tires				
3.1	Tire Type			Polyurethane
3.2	Tire Size, Front		In.	8.27 X 2.76
3.3	Tire Size, Rear		In.	3.15 X 2.36 (2.91 X 3.46)
3.4	Additional Wheels		In.	2.91 X 1.19
3.5	Wheels, Number Front/Rear (X=Drive Wheels)		In.	1 X 2/4 (1 X 2/2)
3.6	Tread, Front	B10	In.	17.72
3.7	Tread, Rear	B11	In.	15.35 (21.06)
Dimensions				
4.1	Lift Height	H3	In.	4.53
4.2	Height of Drawbar in Driving Position Min./Max.	H14	In.	25.59/ 46.06
4.3	Fork Height, Lowered	H13	In.	3.15
4.4	Overall Length	L1	In.	61.02
4.5	Length to Fork Face	L2	In.	15.75
4.6	Overall Width	B1/B2	In.	24 (27.36)
4.7	Fork Dimensions	S/E/L	In.	1.97 X 5.91 X 45.28
4.8	Outside Width of the Forks	B5	In.	21.26 (27)
4.9	Ground Clearance, Center of Wheelbase	M2	In.	1.18
4.10	Aisle Width for Pallets 1000 X 1200 Crossways	AST	In.	82.44
4.11	Aisle Width for Pallets 800 X 1200 Lengthways	AST	In.	84.48
4.12	Turning Radius	Wa	In.	52.36
Performance				
5.1	Travel Speed, with/without Load		Mph	3.11
5.2	Lifting Speed, with/without Load		Ft/s	0.0656
5.3	Lowering Speed, with/without Load		Ft/s	98.43
5.4	Max. Gradeability, with/without Load		%	6/16
5.5	Service Brake			Electromagnetic
Drive				
6.1	Drive Motor Rating 60 Min		W/s	900
6.2	Lift Motor Rating at 15%		W/s	800
6.4	Battery Voltage/Rated Capacity (5H)		V/Ah	48/20 (30 Option)
6.5	Battery Weight		Lbs.	30.86
Others				
7.1	Type of Drive Control			DC
7.2	Steering Design			Mechanical
7.3	Sound Pressure Level at the Driver's Ear		dB(A)	74

If there are improvements of technical parameters or configurations, no further notice will be given.  
The diagram shown may contain non-standard configurations.



## Safety Instructions

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1. All safety regulations that apply on the electric pallet truck remain valid and unchanged.
2. No weighing operation is allowed while others are on or near the load.
3. No weighing operations allowed if any objects are in the vicinity; around, or close to the load
4. RAVAS is not responsible for physical harm done to the operator because of the presence of the indicator.
5. Any modifications done to the system must be approved in writing from the supplier, prior to any work being completed.
6. It is the sole responsibility of the purchaser to train their own employees in the proper use and maintenance of this equipment.
7. Do not operate this unit unless you have been fully trained of its capabilities.
8. Do not use the weighing system in potentially explosive areas.
9. Do not weld to the lift truck without disconnecting the pressure sensor.
10. Check the accuracy of the scale on a regular basis to prevent faulty readings.
11. Only trained and authorized personnel are allowed to operate the scale.
12. Always follow the operating, maintenance and repair instructions of this truck and ask the supplier when in doubt.
13. Never lower loads if you are unsure you can place the goods on a stable surface. Personal injury may result from placement on an unstable environment.
14. RAVAS is not responsible for errors that occur due to incorrect weighings or inaccurate scales.





























































Parameter	Function	Settings	Default US
70	Auto Tare release(at empty scale)	No/yes	No
71-89	Not used		
90	Reset to default parameter settings without altering calibration parameters	If parameter 01 was on 1 it will default to the EU settings, if P01=2 the US settings will be defaulted. New delivered boards will have the EU settings.	
91	Reset to default parameter settings including calibration parameters	If parameter 01 was on 1 it will default to the EU settings, if P01=2 the US settings will be defaulted. New delivered boards will have the EU settings.	
92	Recall factory settings calibration		
93	Read out last 10 error messages		
94	Not used		
95	Factor used only		00000
96	Printout parameter setup	Pr-C1: Pr-C2	Pr-C1
97	Key test function (buzzer and Nr)		
98	Scale ID number	0-999	1
99	Firmware version	(last available version	215A