

DIHOOL JP-DHLCE-S395A

DIHOOL Electric Lift Table Instruction Manual

Model: JP-DHLCE-S395A

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DIHOOL Electric Lift Table, Model JP-DHLCE-S395A. Please read this manual thoroughly before installation and use to ensure proper function and to prevent injury or damage. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always ensure the lift table is placed on a stable, level surface before operation.
- Do not exceed the maximum load capacity of 200 kg (450 lbs). Overloading can cause damage to the unit and potential hazards.
- Keep hands, feet, and clothing clear of moving parts during operation to avoid pinching or crushing injuries.
- Ensure all power connections are secure and correctly wired according to the instructions.
- Disconnect power before performing any maintenance, cleaning, or adjustments.
- Avoid continuous operation for more than 20 minutes. If the load exceeds 150 kg (330 lbs), continuous operation should not exceed 10 minutes to prevent overheating.
- Do not apply lateral force to the lift column, especially during ceiling installation, as this can cause instability and damage.
- If using for a desktop, ensure the desktop size does not exceed 80cm x 80cm. For larger desktops, using two lift columns is recommended. Always center the load on the desktop.

3. PRODUCT COMPONENTS

The DIHOOL Electric Lift Table system typically includes the following components:

- Electric Lift Column (Model JP-DHLCE-S395A)
- DC Motor Controller (IPS-S2)

- Power Supply (AC Adapter or other compatible power sources)
- Remote Controller (optional, if purchased separately)
- Handle Controller (optional, if purchased separately)
- Mounting Hardware (M8*20 bolts, M8 nuts, M5*25 screws)

Refer to the 'Accessories Description' image for details on mounting hardware:



Image: Accessories Description. This image illustrates the included M8*20 bolts (8pcs), M8 nuts (8pcs), and M5*25 screws (16pcs). It also shows how to install the lift column to a wooden board using M5*25 screws and to a steel plate using M8*20 bolts and M8 nuts.

4. SPECIFICATIONS

The following table details the technical specifications for the DIHOOL Electric Lift Table, Model JP-DHLCE-S395A:

Parameter	Value
Model	JP-DHLCE-S395A
Initial Height	370mm / 14.6in
Final Height	765mm / 30.1in
Stroke Height	395mm / 15.6in
Section	3
Voltage	DC20-32V
No-Load Speed	10mm/s
Max Load Capacity	200KG / 450LB
Self-Locking Force	2500N (250KG) / 550LB
Operating Temperature	-10°C ~ +60°C
Limit Switches	Built-in
Operating Frequency	10% Work System, Max 20 Minutes Continuous Working

Parameter	Value
Material	Body Aluminum, Panel Iron
Note	If load > 150KG (330LB), it cannot work continuously for more than 10 minutes.

For a visual representation of the dimensions and parameters, refer to the image below:

**昇降支柱は
何度もアップグレード
された**

モーターの最大出力
アルミ柱の構造
耐荷重
スピード
ストローク高さ
ノイズ
モータータイプ
カスタム

DHLCE-S

120W
3節
200kg
無負荷: 10MM/S, 70kgの荷重: 9MM/S
395MM/545MM/765MM/1155MM
30dB
ホールコードモーター
カスタマイズ可能

DHLCE

60W
3節
80kg
無負荷: 9MM/S, 70kgの荷重: 3.5MM/S
275MM/375MM/430MM
45dB
ブラシモーター
カスタマイズ不可

DHLC-1100

60W
3節
270kg
無負荷: 5MM/S, 70kgの荷重: 4MM/S
300MM/500MM
30dB
ブラシモーター
カスタマイズ可能

Image: Parameters. This image displays a detailed table of specifications and a technical drawing illustrating the dimensions of the lift column, including initial height, final height, and stroke height for various models, with the DHLCE-S395A highlighted.

The lift column features a 3-section sleeve lifting structure made of alumina alloy material, treated with anodizing for corrosion, wear, and weather resistance. It also includes a built-in limit switch to prevent damage from over-extension.

パラメータ

モデル	DHLCE-S395A	DHLCE-S545A	DHLCE-S765A	DHLCE-S1155A
初期高さ	370mm	480mm	590mm	800mm
最終高さ	765mm	1025mm	1355mm	1955mm
ストローク高さ	395mm	545mm	765mm	1155mm
構造	3節アルミニウム柱			
電圧	DC20~32V			
無負荷速度	10MM/S			
最大積載量	200KG			
セルフロック力	2500N(250KG)			
動作温度	-10° C~+60° C			
リミットスイッチ	内蔵			
動作周波数	10%作業システム、最大20分間作業を継続			
材料	柱：アルミニウム材質、パネル：鉄材質			
注記	負荷が150KG以上の場合、10分以上連続して動作することはできません。			

Image: Lift Column Features. This image highlights the 3-section sleeve lifting structure, alumina alloy material, built-in limit switch, and quiet operation (30dB) of the lift column.

5. SETUP AND INSTALLATION

Carefully follow these steps for proper installation of your electric lift table.

5.1 Mounting the Lift Column

The lift column can be installed in various configurations. Ensure the mounting surface is strong enough to support the lift table and its maximum load.

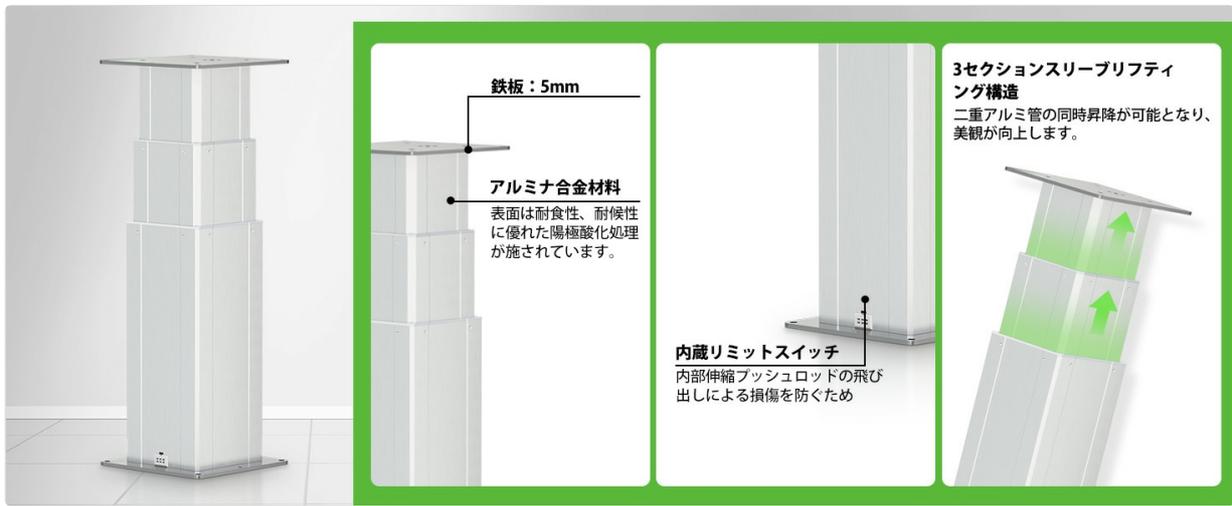


Image: How to install in different environments. This image illustrates four installation methods: Forward Installation, Reverse Installation, Ceiling Installation, and Lateral Installation, with important notes for each.

- **Forward Installation:** Mount the lift column vertically with the top plate facing upwards. Ensure the desktop size does not exceed 80cm x 80cm. For larger desktops, use two columns. Always place the load's center of gravity at the center of the desktop.
- **Reverse Installation:** Mount the lift column vertically with the top plate facing downwards. Similar desktop size and load centering recommendations apply.
- **Ceiling Installation:** Use specialized expansion screws for installation. If the lift is suspended from the ceiling, adjust the parameters for up and down operating current. The load capacity for ceiling installation is less than 140KG. Do not apply lateral force.
- **Lateral Installation:** Side mounting is prohibited. Any damage resulting from side mounting will not be covered under warranty.

5.2 Connecting the Controller and Power Supply

The lifting column is pre-wired for ease of use. Simply connect the power supply and controller.

カスタマイズ可能

あらゆるクリエイティブな要件をカスタマイズできます。

① カスタムシェルカラー

② カスタマイズ可能な上部/下部パネル



A-IR
厚さ: 5mm
上部プレート: 200*200mm
下部プレート: 200*200mm

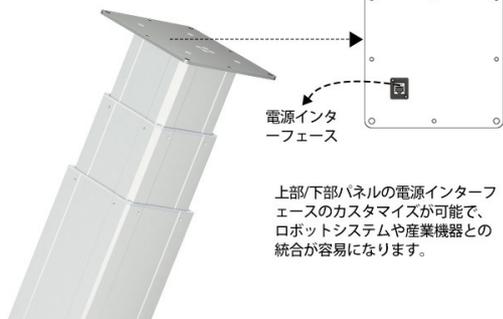


B-IR
厚さ: 5mm
上部プレート: 122.5*122.5mm
下部プレート: 144*144mm



A-AL
厚さ: 10mm
上部プレート: 200*200mm
下部プレート: 200*200mm

③ カスタマイズ可能な電源インターフェース



電源インターフェース

上部/下部パネルの電源インターフェースのカスタマイズが可能で、ロボットシステムや産業機器との統合が容易になります。

Image: Multiple Power Supply Methods. This image shows various ways to power the lift table, including AC adapter (AC120V/AC240V), automotive power receptacle (DC12V input with booster for DC24V output), storage battery (DC24V), and power bank (>100W PD3.0/PD3.1).

- Connect the DC motor controller to the lift column.
- Connect the power supply to the DC motor controller. The system supports 12V, 20V-30V, 110V, or 220V power sources.
- If using a 12V power source, the actuator operates at 5mm/s with a maximum load capacity of 100kg.

A boost converter (12V to 24V) can be used for full power operation.

- Connect the remote or handle controller to the DC motor controller if applicable.

6. OPERATING INSTRUCTIONS

The DIHOOL Electric Lift Table offers various control methods for precise height adjustment.

6.1 Basic Operation

Use the connected controller (remote, handle, or IPS-S2) to adjust the height of the lift table. Typically, there are 'Up' and 'Down' buttons for simple height adjustments.

6.2 Controller Settings (IPS-S2)

The IPS-S2 DC Motor Controller allows for advanced settings and programmable functions. Refer to the 'Controller Description' image for button layout and function details.



Image: Controller Description. This image provides an overview of the IPS-S2 DC Motor Controller, including its display, WiFi indicator, pairing button, and detailed tables for Function F1 (Motor Protection Settings), Function F2 (Signal Operation Settings), and Function F3 (Automatic Operation Settings).

- **Function F1: Motor Protection Settings**

Press and hold the F1 key for 3 seconds to enter the setting. Use the Up/Down buttons to switch between sub-functions and adjust values. This function allows setting parameters like current limit, running time, and voltage reduction.

- **Function F2: Signal Operation Settings**

Press and hold the F2 key for 3 seconds to enter the F2 sub-section settings. Click F2 to switch between sub-functions. This function controls parameters related to motor working time, pause time, and signal stopping.

- **Function F3: Automatic Operation Settings**

Press and hold the F3 key for 3 seconds to enter the F3 sub-function settings. Click F3 to switch between sub-functions. This function allows programming automatic lifting cycles, including up working time, down working time, pause time, and number of cycles.

The system also supports remote control, handle control, IPS-S2 controller, and WiFi control. Additionally, Function F3 allows programmable automatic lifting, and IN2 IN3 I/O signal control buttons and Function F2 photoelectric switch control can be purchased separately.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DIHOOL Electric Lift Table.

- **Cleaning:** Wipe down the lift column and controller with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Inspection:** Periodically check all bolts and connections to ensure they are secure. Inspect the power cable for any signs of wear or damage.
- **Lubrication:** The internal mechanisms are generally maintenance-free. Do not attempt to lubricate internal components unless specifically instructed by DIHOOL support.
- **Load Management:** Always operate within 80% of the maximum load capacity (160kg / 352lbs) for extended product life.

8. TROUBLESHOOTING

If you encounter issues with your electric lift table, refer to the following common problems and solutions:

- **Lift Table Not Moving:**

- Check if the power cable is securely connected to both the power source and the controller.
- Ensure the power source is active and providing the correct voltage (DC20-32V).
- Verify that the controller is properly connected to the lift column.
- Check for any obstructions preventing movement.
- If the controller display shows an error code, consult the controller's specific manual or contact support.

- **Unusual Noise During Operation:**

- Ensure the load is evenly distributed and not exceeding the maximum capacity.
- Check for any loose mounting hardware.
- If the noise persists, discontinue use and contact support.

- **Intermittent Operation:**

- This could indicate an overheating issue. Allow the unit to cool down if it has been operating continuously for an extended period, especially with heavy loads. Remember the 20-minute (or 10-minute for heavy loads) continuous operation limit.
- Check for loose connections.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact DIHOOL customer support.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the seller directly. DIHOOL is committed to providing quality products and support.

If you require technical assistance, have questions about installation, operation, or maintenance, please contact DIHOOL customer support through the retailer where you purchased the product or visit the official DIHOOL store on Amazon:

[DIHOOL Amazon Store](#)