LAMP_® HG-PA182-9 Lift Assist Hinge Installation Manual

Thank you for selecting our product. Before starting installation, please read this manual thoroughly to ensure correct installation. Please keep this manual at hand for future reference.

ABOUT THE PRODUCT

- Hinge for upward opening
- The built-in spring lets you open the lid lightly.

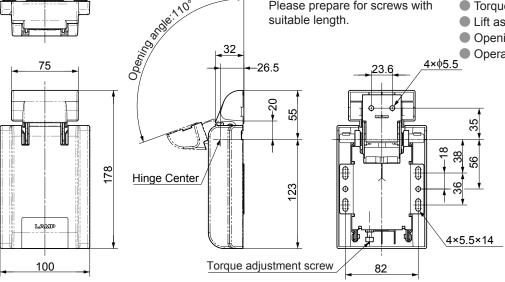
DIMENSIONS

Fixing screws are not included. Please prepare for screws with suitable length.

SPECIFICATIONS

Torque: $9N \cdot m \pm 10\%$ Torque adjustment range: ± 11% 0 - 65° Lift assist angle: Opening angle: 0 - 110°

Operating temperature range:0 - 40°C



FOR YOUR SAFE WORK AND CORRECT INSTALLATION

Meaning of symbols







- **Caution:** If these cautions are not followed, it may result in injury or damage.
- It is necessary to manufacture the cabinet with sufficient strength so as to endure the weight of the lid.
- Do not put an unbalanced load to the hinges.
- Use more than 2 hinges per lid and adjust hinge center.
- Provide a stopper to prevent the hinges from opening beyond the full opening angle and damage. Hinges may be damaged if no stopper is provided.
- 1 To lay down cabinet may lead to injury or damages for parts and hinges. Please use locks to prevent sudden open in that
- This product is for indoor use only. Do not use outside or anywhere it will be exposed to water.
- O Do not open/close the hinges repeatedly.



Maximum Lid Torque Calculation

Calculation formula: $Mu = W \times L \times \cos \theta$ G:Center of gravity

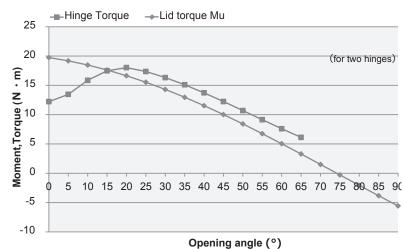
Х	Horizontal distance from hinge center to center of gravity
Υ	Vertical distance from hinge center to center of gravity
L	Distance from hinge center to center of gravity
θ	Angle from hinge center to center of gravity
W	Lid weight
G	Center of gravity

Relationship between lid torque and hinge torque

The chart shows an ideal example of lid torque and hinge torque.

Lid torque Mu > Hinge torque $\cdot \cdot \cdot$ Lid will close. Lid torque Mu < Hinge torque · · · Lid will open.

■Please confirm whether hinges move correctly if Lid torque Mu is Max or Min.



INSTALLATION PROCEDURE

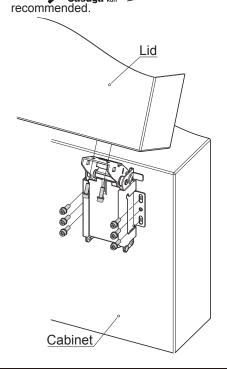
Installing hinges

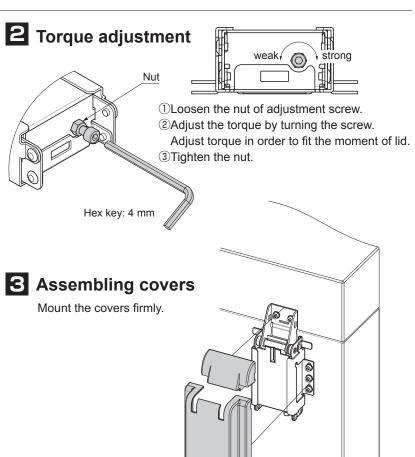
Hinge Center

1) Mount hinges to cabinet Fixing screws: M5 6 pcs

2 Fix the lid with opening hinges Fixing screws: M5 2 pcs

3 As for the relationship between lid torque and hinge torque, refer to the figure on upper right. Selection Tool (1975) on our website is Using





SUGATSUNE KOGYO (UK) LTD

SUGATSUNE EUROPE GmbH

Düsseldorf, GERMANY
Phone: +49 211 53812900 E-mail:sales@sugatsune.eu ISO9001(Japan Offices and Sugatsune America) and ISO14001(Chiba Production division and Logistics center), certified.

SUGATSUNE SHANGHAI Co., LTD

E-mail:lamp@sugatsune.com.cn

Guangzhou, CHINA

Phone: +86 20 6639 3552 E-mail:lamp@sugatsune.com.cn

SUGATSUNE KOGYO INDIA PRIVATE LIMITED Mumbai, INDIA
Phone: +91 22 28314490/91 E-mail:sales@sugatsune.in

SUGATSUNE CANADA, INC.

SUGATSUNE AMERICA, INC

Phone: +1 514 312 5267 E-mail:support@sugatsune.ca

Phone: +1 312 461 1081 E-mail:chicagoshowroom@sugatsune.com.

Chicago, USA