

**AUTOMATION**

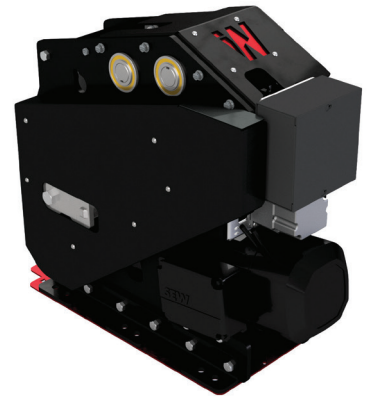
# Counterweight Assist Hoist



The IWEISS INSPIRE Counterweight Assist Hoist (CWA) is designed to provide controlled assistance for counterweight rigging systems experiencing out-of-balance conditions. The system accommodates up to 1,000 lb of out-of-balance load and incorporates a true redundant braking system for increased operational safety. The hoist is driven by a compact gearmotor with an integral primary brake, while the design also incorporates a secondary electrical brake mounted on the primary load shaft, providing an additional layer of braking redundancy within a compact equipment envelope.

**TECHNICAL DATA**

<b>Part #</b>	CWA	<b>Specification</b>
<b>Materials</b>	<ul style="list-style-type: none"> <li>- 3-Phase Gearmotor</li> <li>- Reductant Brake</li> <li>- Steel form side plates</li> <li>- Supplied with installation template</li> <li>- Rotary limit switch</li> </ul>	<ul style="list-style-type: none"> <li>- Maximum out-of-balance load: 1,000 lb</li> <li>- Power: 208/230V or 480V, 3-phase</li> <li>- Maximum travel capacity: 60 ft</li> <li>- Designed to fit between 8 in. on-center counterweight line sets</li> </ul>
<b>Dimensions</b>	24" x 22.5 x 10.25	<b>Options</b>
<b>Weight</b>	185 LBS	<ul style="list-style-type: none"> <li>- Encoder Positioning Presets</li> <li>- Lock Rail Control Station</li> <li>- Remote Multi-axis HMI</li> </ul>


**Loading Reference Chart**

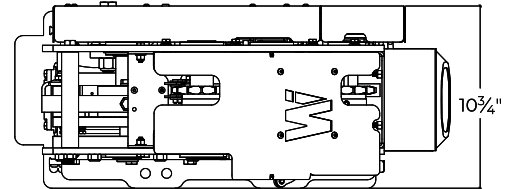
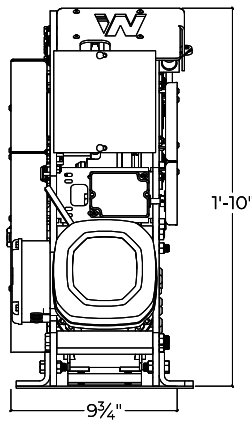
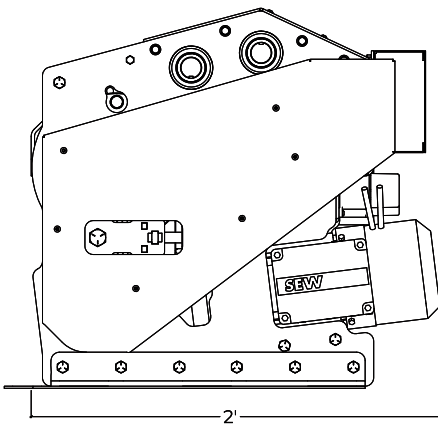
Arbor Weight (lb)	Min Total Lineset Weight (lb)	Max Total Lineset Weight (lb)
0	0	1000
500	0	1500
1000	0	2000
1500	500	2500
2000	1000	3000
2500	1500	3500
3000	2000	4000
3500	2500	4000
4000	3000	4500

**Notes**

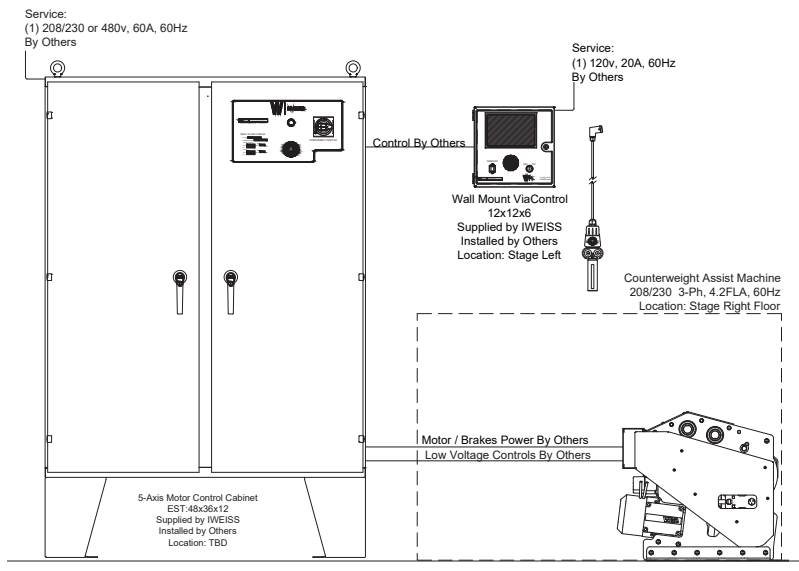
- Total lineset load = combined dead load and live load supported by the lift lines.
- Out-of-balance load = difference between batten-side load and arbor counterweight.
- Final allowable capacity may be governed by the rigging system rating and/or hoist mechanical components.
- Consult IWEISS Engineering for application review.

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### CWA MULTI-AXIS



### CWA SINGLE-AXIS

