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Challenger Lifts



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HEAVY-DUTY LIFTING SOLUTIONS



CLHM-135

Mobile Column Lifting System

13,500 lb. per column lifting capacity



CLHM-180C

Mobile Column Lifting System

18,000 lb. per column lifting capacity



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Mobile Column Models and Specifications

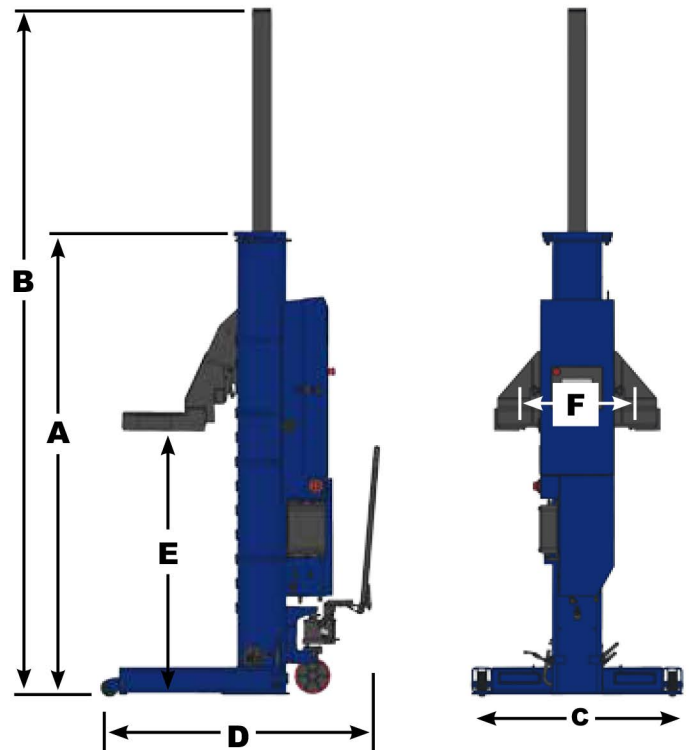
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HEAVY-DUTY LIFTING SOLUTIONS

Model Number	CLHM-135	CLHM-180C	CLHM-180W
Lifting Capacity Per Column ¹	13,500 (6124kg)	18,000 lbs (8165kg)	18,000 lbs (8165kg)
A Height of Lift Unit	88-1/2" (2248mm)	90-1/2" (2297mm)	90-1/2" (2297mm)
B Height of Lift Unit at Full Rise	157-1/8" (3991mm)	147" (3734mm)	147" (3734mm)
C Width of Lift Unit	44-1/4" (1124mm)	41-1/4" (1048mm)	50-1/4" (1277mm)
D Length of Lift Unit	53-5/8" (1362mm)	55-1/2" (1410mm)	55-1/2" (1410mm)
E Maximum Lift Height (4 or more units)	69" (1753mm)	64" (1626mm)	64" (1626mm)
Maximum Lift Height (2 units - Normal Mode)	32" (813mm)	32" (813mm)	32" (813mm)
F Min-Max Wheel Diameter ²	5" - 24-1/2" (127 - 622mm)	11-1/2" - 24-1/2" (292mm - 623mm)	11.5" (292mm) - No Max. - Determined by tire diameter
Max. Hydraulic System Operating Pressure	3,000 psi	3,350 psi	3,350 psi
Lift Speed (Max Load)	60" (1524mm) per Min	55" (1397mm) per Min	55" (1397mm) per Min
Weight of Lift Unit	1,485 lbs (674kg)	1,485 lbs (674kg)	1,565 lbs (710kg)
Footprint of Lift Unit	350" ² (8890mm ²)	500" ² (12700mm ²)	600" ² (15240mm ²)
Ground Pressure for each Lift (Max. Load)	43.1 psi	39.0 psi	32.6 psi
Turning Radius of Lift Unit	47" (1194mm)	45-1/2" (1156mm)	45-1/2" (1156mm)
Operating Peak Power	4 hp	4 hp	4 hp
Operating Voltage	24 VDC Nominal	24 VDC Nominal	24 VDC Nominal
Charger Voltage Required	120 VAC @ 60 Hz	120 VAC @ 60 Hz	120 VAC @ 60 Hz
Charger Amps Required	2.5 Amps	2.5 Amps	2.5 Amps

* CLHM series Wireless/Battery Operated Mobile Columns available in 2, 4, 6 and 8 column configurations with 13,500 lb. and 18,000 lb. per column capacity.

¹ Multiply number of columns by "Lifting Capacity Per Column" to calculate overall lifting capacity of configuration

² Minimum wheel diameter is measured without optional small wheel adapters





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HEAVY-DUTY LIFTING SOLUTIONS

Key Selling Points – CLHM-135

Structural Differences

- **Downstops**

- Competition - Hidden from user
- Challenger Lifts - Green light / Yellow light patent pending safety feature



- **External Cords**

- Competition - Communication cords, charging cords
- Challenger Lifts - Wireless communication system and no charging cords - completely wireless



- **Handle**

- Competition - No offset handle creates finger smashes and wide turning radius, AutoSteer creates roll away issues
- Challenger Lifts - Manufactured offset handle creates smaller turning radius, lift sits flat on the floor



- **Forks**

- Competition - Flat metal forks
- Challenger Lifts - Forks with tire grippers





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Key Selling Points – CLHM-180C and CLHM-180W

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HEAVY-DUTY LIFTING SOLUTIONS

Structural Differences

- **Downstops**

- Competition - Hidden from user
- Challenger Lifts - Fully visible, double lug system



- **External Cords**

- Competition - Communication cords, charging cords
- Challenger Lifts - Wireless communication system and no charging cords - completely wireless



- **Handle**

- Competition - No offset handle creates finger smashes and wide turning radius, AutoSteer creates rollaway issues
- Challenger Lifts - Manufactured offset handle creates smaller turning radius, lift sits flat on the floor



- **Forks**

- Competition - Flat metal forks
- Challenger Lifts - Forks with tire grippers, patented self-centering adjustment





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Key Selling Points - CLHM-135 & CLHM-180



Control System - Smart Lift

Competition - Lift only controls

Challenger Lifts - Operate lifts, access internet, training videos and online operating manuals





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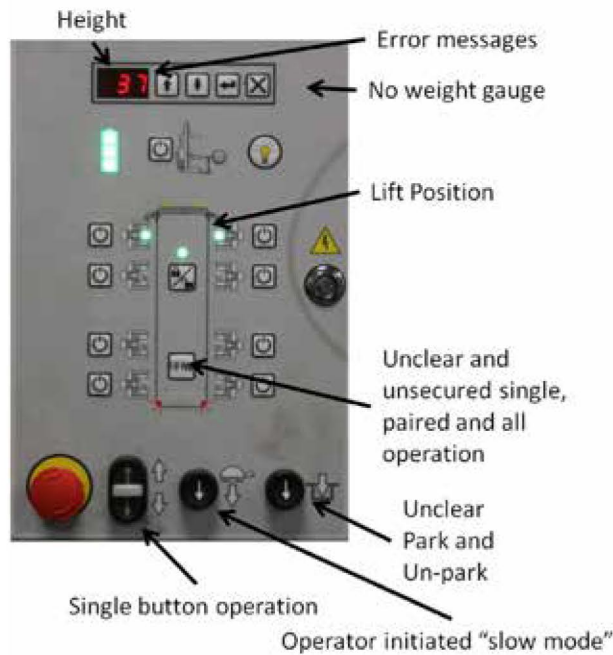
Key Selling Points – CLHM-135 & CLHM-180

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HEAVY-DUTY LIFTING SOLUTIONS

Superior User Control

- Touch Screen Controls

Competition -



Challenger Lifts -





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Key Selling Points - CLHM-135 and CLHM-180

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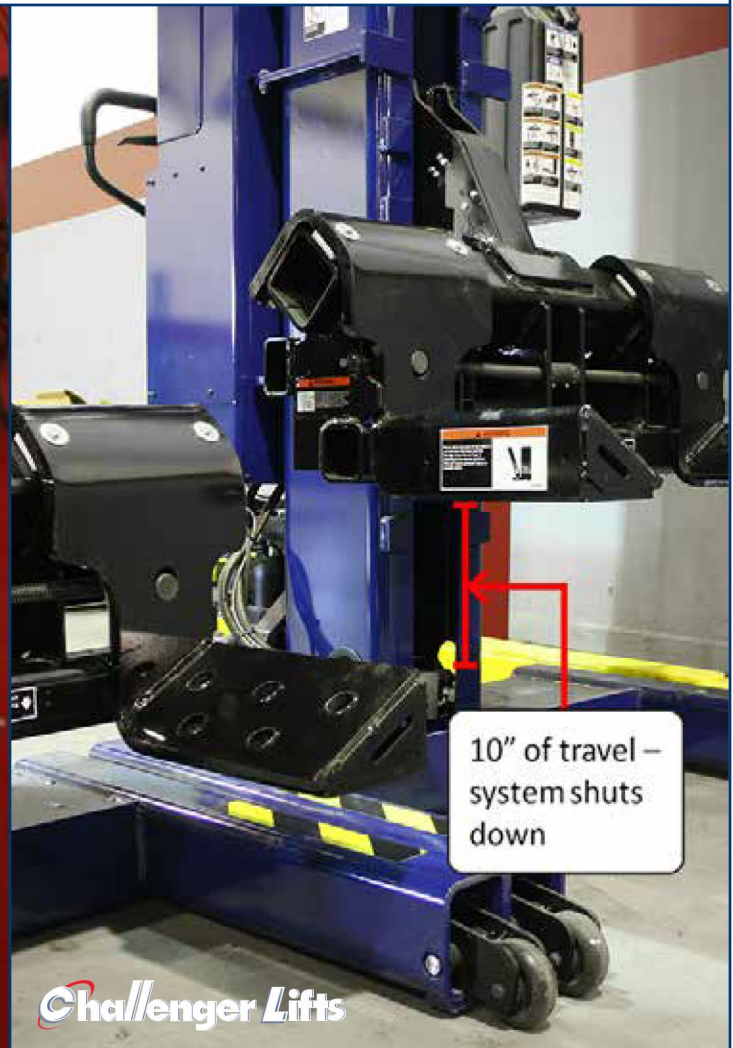
Superior User Controls

- **Movement**

- Competition - Any or all lifts may be operated before entire setup completed
- Challenger Lifts - No lifts will operate until correctly paired with lifts as directed by user

- **Single/Paired Operation**

- Competition - No limit on lift movement of unit(s) being operated as single or paired
- Challenger Lifts - Unit(s) being operated in single or paired only have the ability to raise or lower 10 inches (user defined)





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Key Selling Points – CLHM-135 and CLHM-180

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Superior User Control

- **Single/Paired Operation**

- Competition - User must manually “re-level” the lifts
- Challenger Lifts - Units have patent pending Auto-Return

- **Single/Paired Operation**

- Competition - Unit(s) can be re-engaged as complete set and vehicle moved without “re-leveling” of vehicle
- Challenger Lifts - Unit(s) will not re-engage with complete set until Auto-Return has been completed

- **Park**

- Competition - User can attempt lower units when parked creating wear and stress on downstop system
- Challenger Lifts - User can only raise the lifts while parked, user is notified lifts are parked by status light

- **Stand Placement**

- Competition - User must select slower decent mode to safely place stands
- Challenger Lifts - Lifts automatically lower at safe stand placement speed for the first six inches

- **Safety**

- Competition - Single button operation to raise and lower
 - Challenger Lifts - Two button operation needed to raise or lower the vehicles

 - Competition - No method to lock out the controls
 - Challenger Lifts - Digital lock method
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Superior User Control

- **Wireless Communication**

- Challenger Lifts' Wireless technology has been in the market the longest, since 2003, and has all North American Patents
- Wireless system is licensed to meet FCC and IC requirements and certified by a third party testing laboratory
- 12 radio frequencies with a channel range from 100-120 creates the most secure connection possible
- Technology currently operates on military installations all over the world



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