

Hy-Brid Lifts

CUSTOM EQUIPMENT



Hy-brid lifts HB-830CE and HB-P830CE

	HB-830CE	
Working Height (maximum)	14 ft.	4.27m
Platform Height (maximum)	8 ft.	2.44 m
Stowed Height	69.25 in.	1.76 m
Ground Clearance (Pothole Guard Stowed)	2 in.	5.1 cm
Ground Clearance (Pothole Guard Engaged)	0.375 in.	0.95cm
Overall Width	30 in.	0.76 m
Overall Length	47 in.	1.19 m
Platform (Retracted, Inside)	25 in. x 44.5in.	0.64 m x 1.13 m
Slide-Out Deck Length	13 in.	0.33m
Guard Rail Height	43.83 in.	1.1 m
Toe Board Height	6 in.	0.15 m
Platform Entrance	26.63 in.	0.68 m
Step Height	15.74 in.	0.4 m
Wheel Base	33.3 in.	0.85 m
Wheel Track	23.5 in.	0.60 m
Turning Radius (Inside)	Zero	Zero
Tire Size (Solid, Non-Marking)-Front	8 in.	20.3 cm
Tire Size (Solid, Non-Marking)-Rear	10 in.	25.4 cm
Lift Capacity (Evenly Distributed):	500 lbs./1 Person	226.8 kg/1 Person
Slide-Out Deck Capacity	250 lbs/ 1 Person	113.4 kg/ 1 Person
Horizontal/Manual Force	45 lb.	200 N
Machine Weight (Unloaded) (Approx.)	1115 lb.	506 kg
Minimum Wheel Load-Contact Pressure	69.7 psi	480.5 kPa=4.9 kg/cm ²
Maximum Wheel Load-Contact Pressure	100.9 psi	695.9 kPa=7.1 kg/cm ²
Unloaded Machine Loading-Floor Pressure	113.9 PSF	5.45 kPa=0.06 kg/cm ²
Loaded Machine Loading-Floor Pressure	169.9 PSF	7.89 kPa=0.08 kg/cm ²
ENVIRONMENTAL LIMITATIONS		
Wind	No Windy Conditions/Indoor Use Only	
Rated Slope	Level Surface	
Tilt Sensor Activated	2° Longitudinal/1.5° Lateral	
Gradeability (Stowed Position)	17.5% (Loaded)	
Temperature	-4° F-104° F	-20° C-40° C
Vibration	8.2 ft/s ² max	2.5 m/s ² max
Sound	86 dB Normal Use 100 dB Alarms	86 dB Normal Use 100 dB Alarms
<i>Drive System (Proportional Electric):</i>		
Drive Speed (Platform Elevated)	0.72 mph	0.32 m/s
Drive Speed (Platform Lowered)	2.3 mph	1.0 m/s
Lift/Lower Speed	10/10 sec	10/10 sec
Hydraulic Pressure (max)	1300 psi	8963 kPa
Hydraulic Fluid Capacity	1.325 gal	5.38 L
Power System-Voltage	24V DC	24V DC
Batteries-Deep Cycle Marine	(2) 12V, Group 27	(2) 12V, Group 27

	HB-P830CE	
Working Height (maximum)	14 ft.	4.27m
Platform Height (maximum)	8 ft.	2.44 m
Stowed Height	67.71 in.	1.72 m
Ground Clearance	2.5 in.	0.064 m
Overall Width	30 in	0.76 m
Overall Length	47 in.	1.19 m
Platform	25 in. x 44.5in.	0.64 m x 1.13 m
Guard Rail Height	43.83 in.	1.1 m
Toe Board Height	6 in.	0.15 m
Platform Entrance	23.75 in.	0.60 m
Step Height	11.80 in.	0.3 m
Wheel Base	37.13 in.	0.94 m
Wheel Track	25.5 in.	0.65 m
Turning Radius (Inside)	Zero	Zero
Tire Size (Solid, Non-Marking)-Front	8 in.	20.3 cm
Tire Size (Solid, Non-Marking)-Rear	8 in.	20.3 cm
Lift Capacity (Evenly Distributed):	500 lbs./1 Person	226.8 kg/1 Person
Horizontal/Manual Force	45 lb.	200 N
Machine Weight (Unloaded) (Approx.)	793 lb.	360 kg
Minimum Wheel Load-Contact Pressure	38.68 psi	266.71 kPa = 2.72 kg/cm ²
Maximum Wheel Load-Contact Pressure	63.07 psi	434.87 kPa = 4.43 kg/cm ²
Minimum Machine Loading-Floor Pressure	81 PSF	3.88 kPa = 5.69 kg/cm ²
Maximum Machine Loading-Floor Pressure	132 PSF	6.32 kPa = 9.28 kg/cm ²
ENVIRONMENTAL LIMITATIONS		
Wind	No Windy Conditions/Indoor Use Only	
Rated Slope	Level Surface	
Temperature	-4° F-104° F	-20° C-40° C
Vibration	8.2 ft/s ² max	2.5 m/s ² max
Sound	86 dB Normal Use	86 dB Normal Use
Lift/Lower Speed	10/10 sec	10/10 sec
Hydraulic Pressure (max)	1300 psi	8963 kPa
Hydraulic Fluid Capacity	1.325 gal	5.38 L
Power System-Voltage	12V DC	12V DC
Battery-Deep Cycle Marine	12V, Group 27	12V, Group 27