

## POWER SUPPLY REQUIREMENTS

Voltage: 208V to 240V, 3 Phase  
 Frequency: 60 Hz  
 Breaker Size: 60A Single, 120A Twin

## MACHINE SPECIFICATIONS

Platform Speed: 36 ft/min  
 Maximum Height:  
     Anchored: 660 ft  
     Freestanding (Inside): 99 ft<sup>1</sup>  
     Freestanding (Outside): 66 ft<sup>1</sup>  
 Anchor Distance: 50 ft  
 Mast Height Above Top Anchor: 20 ft  
 Standard Extension: 3'-3"<sup>2</sup>  
 Motors (Vertical Travel): 2 x 4.4kW<sup>3</sup>  
 Motors (Horizontal Travel): 1 x 1.7kW<sup>3</sup>  
 Control Voltage: 24V  
 Starting Current: 180A<sup>3</sup>  
 Running Current: 35A<sup>3</sup>

## COMPONENT WEIGHTS

Drive Unit: 2662 lb  
 4'-11" Deck: 308 lb  
 4'-11" Fence: 40 lb  
 2'-7" Deck: 198 lb  
 2'-7" Fence: 26 lb  
 End Fence: 132b  
 Stairs: 50 lb  
 Ground Frame: 400 lb  
 Chassis: 3850 lb  
 Mast (4'-1"): 176 lb

## LOAD CHART SINGLE

Length	Capacity															
11'-6"	6393						C	A	C							
16'-1"	6129						B	A	B							
21'-4"	5622						C	B	A	B	C					
25'-11"	5357						B	B	A	B	B					
31'-2"	4850						C	B	B	A	B	B	C			
35'-10"	4586						B	B	B	A	B	B	B			
41'	4078						C	B	B	B	A	B	B	B	C	
45'-7"	3814						B	B	B	B	A	B	B	B	B	
50'-11"	3307						C	B	B	B	B	A	B	B	B	C

A = Drive Unit, B = 4'-11" Deck, C = 2'-7" Deck

**NOTE:** Decks should be composed of Steel S-355. Refer to User's Manual for method of identification.

## LOAD CHART TWIN

MS-ProMax		Outside	Mast	Between	Mast	Outside
Length	Capacity	Mast		Masts		Mast
42'-3"	9854	1	Mast	4	Mast	1
51'-10"	8774	2	Mast	4	Mast	2
61'-9"	7650	3	Mast	4	Mast	3
71'-7" *	6261 *	4	Mast	M*	Mast	4
81'-5" *	3439 *	5	Mast	M*	Mast	5
46'-11"	9568	1	Mast	5	Mast	1
56'-10"	8664	2	Mast	5	Mast	2
66'-8"	7650	3	Mast	5	Mast	3
76'-6" *	6680 *	4	Mast	1+M*	Mast	4
86'-4" *	3616 *	5	Mast	1+M*	Mast	5
51'-10"	9259	1	Mast	6	Mast	1
61'-9"	8444	2	Mast	6	Mast	2
71'-7"	7540	3	Mast	6	Mast	3
81'-5" *	6636 *	4	Mast	2+M*	Mast	4
91'-3" *	3792 *	5	Mast	2+M*	Mast	5
56'-10"	8929	1	Mast	7	Mast	1
66'-8"	8179	2	Mast	7	Mast	2
76'-6"	7341	3	Mast	7	Mast	3
86'-4" *	6504 *	4	Mast	3+M*	Mast	4
96'-2" *	3968 *	5	Mast	3+M*	Mast	5
61'-9"	8598	1	Mast	8	Mast	1
71'-7"	7892	2	Mast	8	Mast	2
81'-5"	7099	3	Mast	8	Mast	3
91'-3" *	6305 *	4	Mast	4+M*	Mast	4
101'-1" *	4167 *	5	Mast	4+M*	Mast	5
66'-8" *	8069 *	1	Mast	5+M*	Mast	1
76'-6" *	7584 *	2	Mast	5+M*	Mast	2
86'-4" *	6834 *	3	Mast	5+M*	Mast	3
96'-2" *	6063 *	4	Mast	5+M*	Mast	4
106' *	4343 *	5	Mast	5+M*	Mast	5
71'-7" *	6349 *	1	Mast	6+M*	Mast	1
81'-5" *	7275 *	2	Mast	6+M*	Mast	2
91'-3" *	6548 *	3	Mast	6+M*	Mast	3
101'-1" *	5798 *	4	Mast	6+M*	Mast	4
110'-11" *	4519 *	5	Mast	6+M*	Mast	5
76'-6" *	4916 *	1	Mast	7+M*	Mast	1
86'-4" *	6019 *	2	Mast	7+M*	Mast	2
96'-2" *	6239 *	3	Mast	7+M*	Mast	3
106' *	5511 *	4	Mast	7+M*	Mast	4
115'-10" *	4718 *	5	Mast	7+M*	Mast	5
81'-5" *	3704 *	1	Mast	8+M*	Mast	1
91'-3" *	4541 *	2	Mast	8+M*	Mast	2
101'-1" *	5798 *	3	Mast	8+M*	Mast	3
110'-11" *	5225 *	4	Mast	8+M*	Mast	4
120'-9" *	4519 *	5	Mast	8+M*	Mast	5

<sup>1</sup> Chassis in Full X configuration.

<sup>2</sup> Refer to User's Manual to determine the capacity of a given configuration with extensions across the length of the platform.

<sup>3</sup> Specifications are per drive unit / chassis.

\* Denotes use of HEK Mega-Deck

Alimak Hek, Inc. Construction Division