

Wind Conditions

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GENERAL



WARNING

TIPPING CRANE HAZARD!

Judgment and experience of qualified operators, job planners, and supervisors must be used to compensate for affect of wind on lifted load and boom by reducing ratings, reducing operating speeds, or a combination of both.

Failing to observe this precaution can cause crane to tip or boom and/or jib to collapse. Death or serious injury to personnel can result.

Wind adversely affects lifting capacity and stability as shown in Figure 1. The result could be loss of control over the load and crane, even if the load is within the crane's capacity.

Wind speed (to include wind gusts) must be monitored by job planners and supervisors.

Beware that wind speed at boom point can be greater than wind speed at ground level. Also beware that the larger the sail area of the load, the greater the wind's affect on the load.

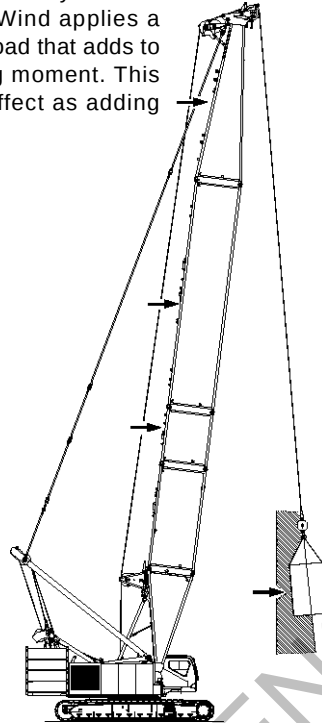
As a general rule, ratings and operating speeds must be reduced when:

Wind causes load to swing forward past allowable operating radius or sideways past either boom hinge pin.

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Forward stability is affected by wind on the rear of the boom. Wind applies a force to the boom and load that adds to the crane's overturning moment. This action has the same effect as adding load to the hook.



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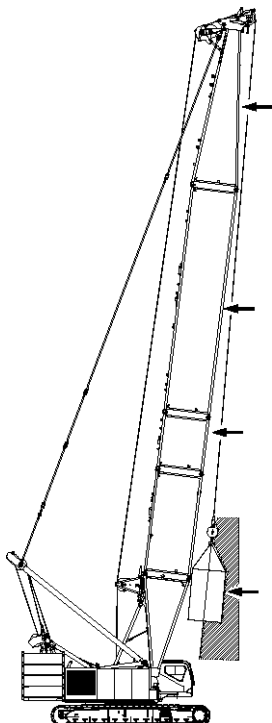
The wind's affect on the rear of the load increases load radius. This condition can result in an overload hazard, possibly causing the crane to tip or the boom to collapse.

To avoid this hazard, reduce operating speeds and load (see appropriate table for maximum wind speed).

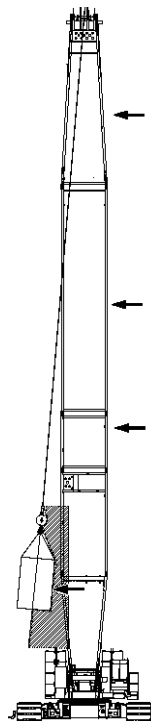
Backward stability is affected by wind on the front of the boom. This condition is especially dangerous when the boom is at or near the maximum angle when operating without load.

Wind forces on the front of the boom reduce the normal forward tipping effect of the boom. The crane can tip or the boom can collapse if this condition is not avoided.

The boom can buckle and collapse if the load contacts the boom.



Boom strength is affected the most when the wind acts on the side of the boom.



The wind's affect on the side of the load can cause the load to swing out past the boom hinge pin. This condition can result in excessive side load forces on the boom, possibly causing the crane to tip or the boom to collapse.

To avoid this hazard, reduce operating speeds and load (see appropriate table for maximum wind speed).

FIGURE 1

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Boom No. 76

Operation Permitted

Operation is permitted in steady winds or gusts up to the maximum speed given in Table 1 provided the lifted load does not exceed capacity chart percentage.

Wind speed to be measured at boom point elevation.

For operation in steady winds or wind gusts above 25 mph (11 m/s) at front of boom, do not operate boom higher than 75° with loads less than 6,000 lb (2 720 kg). **Boom could be blown over backwards if this precaution is not observed. Refer to capacity chart for specific backward stability problems ("b" on capacity chart).**

Operation Not Permitted

Operation is not permitted when the wind speed exceeds the values listed in Table 1 for a given capacity chart percentage. Observe the following options:

Boom

- **Up to 50 mph (22 m/s) -**
Park crane (upper in line with crawlers) with load blocks and weight balls on ground or secured and position boom at 70°.
- **50 mph (22 m/s) and Above -**
Lower boom onto blocking at ground level.

Table 1: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	65.6 (20,0)	75.5 (23,0)	85.3 (26,0)	95.1 (29,0)	105.0 (32,0)	114.8 (35,0)	124.7 (38,0)	134.5 (41,0)	144.4 (44,0)	154.2 (47,0)	164.0 (50,0)	173.9 (53,0)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)											
100	35 (16)	35 (16)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	20 (9)	20 (9)	20 (9)	20 (9)
90	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)												

Table 1: (continued)

Boom Length ft (m)	183.7 (56,0)	193.6 (59,0)	203.4 (62,0)	213.3 (65,0)	223.1 (68,0)	232.9 (71,0)	242.8 (74,0)	252.6 (77,0)	262.5 (80,0)	272.3 (83,0)	282.2 (86,0)	292.0 (89,0)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)											
100	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)	20 (9)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	20 (9)	20 (9)	20 (9)
80	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)												

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Boom No. 76 with Jib No. 134

Operation Permitted

Operation is permitted in steady winds or gusts up to the maximum speed given in Tables 2a thru 2q provided the lifted load does not exceed capacity chart percentage.

Wind speed to be measured at jib point elevation.

For operation in steady winds or wind gusts above 20 mph (9 m/s) at front of boom, do not operate boom higher than 70° with loads less than 6,000 lb (2 720 kg). **Boom and jib could be blown over backwards if this precaution is not observed.**

Operation Not Permitted

Operation is not permitted when the wind speed exceeds the values listed in Tables 2a thru 2q for a given capacity chart percentage. Observe the following options:

Boom with Jib

- **Up to 50 mph (22 m/s) -**
Park crane (upper in line with crawlers) with load blocks and weight balls on ground or secured and position boom at 70°.
- **50 mph (22 m/s) and Above -**
Lower boom and jib onto blocking at ground level.

Table 2a: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	105.0 (32,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2b: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	114.8 (35,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2c: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	124.7 (38,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2d: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	134.5 (41,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2e: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	144.4 (44,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2f: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	154.2 (47,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2g: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	164.0 (50,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2h : Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	173.9 (53,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2i: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	183.7 (56,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2j: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	193.6 (59,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2k: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	203.4 (62,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2l: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	213.3 (65,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2m: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	223.1 (68,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2n: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	232.9 (71,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

Table 2o: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	242.8 (74,0)					
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)	80 (24,4)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)					
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)						

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Table 2p: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	252.6 (77,0)				
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)	60 (18,3)	70 (21,3)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)				
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)					

Table 2q: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	262.5 (80,0)		
Jib Length ft (m)	30 (9,1)	40 (12,2)	50 (15,2)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)		
100	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)
80	35 (16)	35 (16)	35 (16)
70	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)			

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Boom No. 76 with Luffing Jib No. 135

Operation Permitted

Operation is permitted in steady winds or gusts up to the maximum speed given in Tables 3a thru 3n provided the lifted load does not exceed capacity chart percentage.

Wind speed to be measured at jib point elevation. Refer to luffing jib capacity chart for specific backward stability conditions.

Operation Not Permitted

Operation is not permitted when the wind speed exceeds the values listed in Tables 3a thru 3n for a given capacity chart percentage. Observe the following options:

Boom with Luffing Jib

- **Up to 50 mph (22 m/s) -**
Park crane (upper in line with crawlers) with load blocks and weight balls on ground or secured and position boom at 75° and luffing jib at 55°.
- **50 mph (22 m/s) and Above -**
Lower boom and luffing jib onto blocking at ground level.

Table 3a: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	65.6 (20,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

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Table 3b: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	75.5 (23,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3c: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	85.3 (26,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3d: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	95.1 (29,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3e: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	105.0 (32,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3f: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	114.8 (35,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3g: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	124.7 (38,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3h: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	134.5 (41,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3i: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	144.4 (44,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3j: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	154.2 (47,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3k: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	164.0 (50,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3l: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	173.9 (53,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)
Operation Not Permitted above 35 mph (16 m/s)											

Table 3m: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	183.7 (56,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

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Table 3n: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	193.6 (59,0)										
Luffing Jib Length ft (m)	70 (21,3)	80 (24,4)	90 (27,4)	100 (30,5)	110 (33,5)	120 (36,6)	130 (39,8)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)										
100	25 (11)	25 (11)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)	22 (10)
90	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
80	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)	25 (11)	25 (11)
70	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	25 (11)	25 (11)	25 (11)
60	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)	30 (13)
50	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	35 (16)	30 (13)	30 (13)	30 (13)	30 (13)
Operation Not Permitted above 35 mph (16 m/s)											

Wind Conditions

Boom No. 76 with Luffing Jib No. 135 and Fixed Jib No. 138

Operation Permitted

Operation is permitted in steady winds or gusts up to the maximum speed given in Tables 4a thru 4i provided the lifted load does not exceed capacity chart percentage.

Wind speed to be measured at fixed jib point elevation.

Operation Not Permitted

Operation is not permitted when the wind speed exceeds the values listed in Tables 4a thru 4i for a given capacity chart percentage. Observe the following options:

Boom with Luffing Jib and Fixed Jib

- **Up to 35 mph (16 m/s) -**
Park crane (upper in line with crawlers) with load blocks and weight balls on ground or secured and position boom at 75° and luffing jib at 55°.
- **35 mph (16 m/s) and Above -**
Lower boom and jibs onto blocking at ground level.

Table 4a: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	65.6 (20,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	20 (9)	20 (9)	20 (9)	20 (9)
90	20 (9)	20 (9)	20 (9)	20 (9)
80	20 (9)	20 (9)	20 (9)	20 (9)
70	20 (9)	20 (9)	20 (9)	20 (9)
60	20 (9)	20 (9)	20 (9)	20 (9)
Operation Not Permitted above 35 mph (16 m/s)				

Wind Conditions

Table 4b: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	85.3 (26,2)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	20 (9)	20 (9)	20 (9)	20 (9)
90	20 (9)	20 (9)	20 (9)	20 (9)
80	20 (9)	20 (9)	20 (9)	20 (9)
70	20 (9)	20 (9)	20 (9)	20 (9)
60	20 (9)	20 (9)	20 (9)	20 (9)
Operation Not Permitted above 35 mph (16 m/s)				

Table 4c: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	105.0 (32,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	20 (9)	20 (9)	20 (9)	20 (9)
90	20 (9)	20 (9)	20 (9)	20 (9)
80	20 (9)	20 (9)	20 (9)	20 (9)
70	20 (9)	20 (9)	20 (9)	20 (9)
60	20 (9)	20 (9)	20 (9)	20 (9)
Operation Not Permitted above 35 mph (16 m/s)				

Wind Conditions

Table 4d: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	124.7 (38,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	20 (9)	20 (9)	20 (9)	15 (7)
90	20 (9)	20 (9)	20 (9)	15 (7)
80	20 (9)	20 (9)	20 (9)	15 (7)
70	20 (9)	20 (9)	20 (9)	15 (7)
60	20 (9)	20 (9)	20 (9)	20 (9)
Operation Not Permitted above 35 mph (16 m/s)				

Table 4e: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	144.4 (42,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	20 (9)	15 (7)	15 (7)	15 (7)
90	20 (9)	15 (7)	15 (7)	15 (7)
80	20 (9)	15 (7)	15 (7)	15 (7)
70	20 (9)	15 (7)	15 (7)	15 (7)
60	20 (9)	20 (9)	20 (9)	20 (9)
Operation Not Permitted above 35 mph (16 m/s)				

Wind Conditions

Table 4f: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	164.0 (50,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	15 (7)	15 (7)	15 (7)	15 (7)
90	15 (7)	15 (7)	15 (7)	15 (7)
80	15 (7)	15 (7)	15 (7)	15 (7)
70	15 (7)	15 (7)	15 (7)	15 (7)
60	20 (9)	20 (9)	15 (7)	15 (7)
Operation Not Permitted above 35 mph (16 m/s)				

Table 4g: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	173.9 (53,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	15 (7)	15 (7)	15 (7)	15 (7)
90	15 (7)	15 (7)	15 (7)	15 (7)
80	15 (7)	15 (7)	15 (7)	15 (7)
70	15 (7)	15 (7)	15 (7)	15 (7)
60	20 (9)	15 (7)	15 (7)	15 (7)
Operation Not Permitted above 35 mph (16 m/s)				

Wind Conditions

Table 4h: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	183.7 (56,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	15 (7)	15 (7)	15 (7)	15 (7)
90	15 (7)	15 (7)	15 (7)	15 (7)
80	15 (7)	15 (7)	15 (7)	15 (7)
70	15 (7)	15 (7)	15 (7)	15 (7)
60	15 (7)	15 (7)	15 (7)	15 (7)
Operation Not Permitted above 35 mph (16 m/s)				

Table 4i: Allowable Wind Speeds and Gusts for Various Capacity Chart Percentages

Boom Length ft (m)	193.6 (59,0)			
Luffing Jib Length ft (m)	140 (42,7)	150 (45,7)	160 (48,8)	170 (51,8)
Fixed Jib	Includes all Fixed Jib Lengths			
Percent of Capacity Chart	Maximum Wind Speed mph (m/s)			
100	15 (7)	15 (7)	15 (7)	15 (7)
90	15 (7)	15 (7)	15 (7)	15 (7)
80	15 (7)	15 (7)	15 (7)	15 (7)
70	15 (7)	15 (7)	15 (7)	15 (7)
60	15 (7)	15 (7)	15 (7)	15 (7)
Operation Not Permitted above 35 mph (16 m/s)				