

L200

Load Capacity By Boom Length



US UNITS: BOOM LENGTH = 100 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
15	84.9	315,000	190,432
20	82.0	300,000	181,364
25	79.1	281,600	170,240
30	76.1	235,460	142,346
35	73.1	200,013	120,917
40	70.1	173,429	104,846
45	67.0	152,752	92,346
50	63.9	136,211	82,346
55	60.6	122,677	74,164
60	57.2	111,398	67,345
65	53.7	101,855	61,576
70	50.1	93,676	56,631
75	46.2	86,586	52,345
80	42.0	80,383	48,595
85	37.5	74,910	45,287
90	32.4	70,045	42,345
95	26.4	65,692	39,714
100	18.8	61,774	37,345
105	1.4	54,000	32,645

US UNITS: BOOM LENGTH = 120 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
20	83.3	228,958	138,416
25	80.9	212,746	128,615
30	78.5	200,147	120,998
35	76.0	190,002	114,865
40	73.5	167,310	101,147
45	71.0	147,646	89,259
50	68.5	131,915	79,749
55	65.9	119,044	71,968
60	63.2	108,318	65,483
65	60.5	99,243	59,997
70	57.7	91,464	55,294
75	54.8	83,963	50,759
80	51.8	77,399	46,791
85	48.7	71,608	43,290
90	45.4	66,460	40,178
95	41.9	61,854	37,394
100	38.2	57,709	34,888
105	34.1	53,958	32,620
110	29.5	50,548	30,559
115	24.1	47,435	28,677
120	17.1	44,582	26,952
125	1.2	40,705	24,608

US UNITS: BOOM LENGTH = 130 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
20	83.4	239,221	144,620
25	81.2	224,947	135,991
30	78.9	213,632	129,150
35	76.7	190,592	115,222
40	74.4	166,588	100,710
45	72.1	147,639	89,254
50	69.7	132,299	79,981
55	67.4	119,625	72,319
60	65.0	108,980	65,883
65	62.5	99,913	60,402
70	60.0	92,095	55,676
75	57.4	85,287	51,560
80	54.8	79,304	47,943
85	52.0	74,005	44,739
90	49.2	69,278	41,882
95	46.2	65,036	39,317
100	43.0	61,209	37,004
105	39.7	57,737	34,905
110	36.1	54,573	32,992
115	32.2	51,680	31,243
120	27.8	49,022	29,636
125	22.6	46,572	28,155
130	15.9	44,308	26,786
135	0.5	20,496	12,391

US UNITS: BOOM LENGTH = 140 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
22	83.5	174,966	105,775
25	82.2	161,668	97,736
30	80.1	151,241	91,432
35	78.1	142,866	86,369
40	75.9	135,956	82,192
45	73.8	130,124	78,666
50	71.7	125,109	75,634
55	69.5	120,724	72,983
60	67.3	116,831	70,630
65	65.0	113,334	68,516
70	62.8	106,971	64,669
75	60.4	100,478	60,744
80	58.0	94,620	57,202
85	55.6	89,272	53,969
90	53.0	84,338	50,986
95	50.4	79,740	48,206
100	47.7	75,414	45,591
105	44.8	71,305	43,107
110	41.8	67,364	40,725
115	38.6	63,542	38,414
120	35.2	59,787	36,144
125	31.4	56,039	33,878
130	27.2	52,207	31,562
135	22.2	48,136	29,100
140	15.8	43,441	26,262
145	1.1	34,402	20,798

US UNITS: BOOM LENGTH = 160 Feet

REACH (ft)	ANGLE (deg)	ONBOARD LOAD (STATIC) lbs	OFFBOARD LOAD (DYNAMIC) lbs
25	81.3	153,970	93,082
30	79.6	128,308	77,568
35	77.8	109,979	66,487
40	76.0	96,231	58,176
45	74.2	85,539	51,712
50	72.4	76,985	46,541
55	70.6	69,986	42,310
60	68.7	64,154	38,784
65	66.8	59,219	35,801
70	64.9	54,989	33,244
75	63.0	51,323	31,027
80	61.0	48,116	29,088
85	59.0	45,285	27,377
90	57.0	42,769	25,856
95	54.9	40,518	24,495
100	52.7	38,493	23,270
105	50.5	36,660	22,162
110	48.2	34,993	21,155
115	45.8	33,472	20,235
120	43.4	32,077	19,392
125	40.8	30,794	18,616
130	38.0	29,610	17,900
135	35.1	28,513	17,237
140	32.0	27,495	16,622
145	28.5	26,547	16,049
150	24.6	25,662	15,514
155	20.1	24,834	15,013
160	14.1	24,058	14,544
165	1.2	23,329	14,103

SI UNITS BOOM LENGTH = 32 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
4.6	84.9	143,182	86,560
6.1	82.0	136,364	82,438
7.6	79.1	128,000	77,382
9.1	76.1	107,027	64,703
10.7	73.1	90,915	54,962
12.2	70.1	78,831	47,657
13.7	67.0	69,433	41,975
15.2	63.9	61,914	37,430
16.8	60.6	55,762	33,711
18.3	57.2	50,635	30,611
19.8	53.7	46,298	27,989
21.3	50.1	42,580	25,742
22.9	46.2	39,357	23,793
24.4	42.0	36,538	22,089
25.9	37.5	34,050	20,585
27.4	32.4	31,839	19,248
29.0	26.4	29,860	18,052
30.5	18.8	28,079	16,975
32.0	1.4	24,545	14,839

SI UNITS BOOM LENGTH = 38 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
6.1	83.3	104,072	62,916
7.6	80.9	96,703	58,461
9.1	78.5	90,976	54,999
10.7	76.0	86,365	52,211
12.2	73.5	76,050	45,976
13.7	71.0	67,112	40,572
15.2	68.5	59,961	36,249
16.8	65.9	54,111	32,713
18.3	63.2	49,235	29,765
19.8	60.5	45,110	27,271
21.3	57.7	41,575	25,134
22.9	54.8	38,165	23,072
24.4	51.8	35,181	21,269
25.9	48.7	32,549	19,677
27.4	45.4	30,209	18,263
29.0	41.9	28,115	16,997
30.5	38.2	26,231	15,858
32.0	34.1	24,526	14,827
33.5	29.5	22,976	13,890
35.1	24.1	21,561	13,035
36.6	17.1	20,265	12,251
38.1	1.2	18,502	11,185

SI UNITS BOOM LENGTH = 41 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
6.1	83.4	108,737	65,736
7.6	81.2	102,249	61,814
9.1	78.9	97,105	58,705
10.7	76.7	86,633	52,373
12.2	74.4	75,722	45,777
13.7	72.1	67,109	40,570
15.2	69.7	60,136	36,355
16.8	67.4	54,375	32,872
18.3	65.0	49,536	29,947
19.8	62.5	45,415	27,455
21.3	60.0	41,861	25,307
22.9	57.4	38,767	23,436
24.4	54.8	36,047	21,792
25.9	52.0	33,639	20,336
27.4	49.2	31,490	19,037
29.0	46.2	29,562	17,871
30.5	43.0	27,822	16,820
32.0	39.7	26,244	15,866
33.5	36.1	24,806	14,996
35.1	32.2	23,491	14,201
36.6	27.8	22,283	13,471
38.1	22.6	21,169	12,798
39.6	15.9	20,140	12,176
41.2	0.5	9,316	5,632

SI UNITS BOOM LENGTH = 44 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
6.7	83.5	79,530	48,080
7.6	82.2	73,485	44,425
9.1	80.1	68,746	41,560
10.7	78.1	64,939	39,259
12.2	75.9	61,798	37,360
13.7	73.8	59,147	35,757
15.2	71.7	56,868	34,379
16.8	69.5	54,875	33,174
18.3	67.3	53,105	32,104
19.8	65.0	51,515	31,143
21.3	62.8	48,623	29,395
22.9	60.4	45,672	27,611
24.4	58.0	43,009	26,001
25.9	55.6	40,578	24,531
27.4	53.0	38,335	23,176
29.0	50.4	36,245	21,912
30.5	47.7	34,279	20,723
32.0	44.8	32,411	19,594
33.5	41.8	30,620	18,511
35.1	38.6	28,883	17,461
36.6	35.2	27,176	16,429
38.1	31.4	25,472	15,399
39.6	27.2	23,730	14,346
41.2	22.2	21,880	13,227
42.7	15.8	19,746	11,937
44.2	1.1	15,637	9,453

SI UNITS BOOM LENGTH = 50 Meters

REACH (m)	ANGLE (deg)	ONBOARD LOAD (STATIC) Kg	OFFBOARD LOAD (DYNAMIC) Kg
7.6	81.3	69,986	42,310
9.1	79.6	58,322	35,258
10.7	77.8	49,990	30,221
12.2	76.0	43,742	26,444
13.7	74.2	38,881	23,506
15.2	72.4	34,993	21,155
16.8	70.6	31,812	19,232
18.3	68.7	29,161	17,629
19.8	66.8	26,918	16,273
21.3	64.9	24,995	15,111
22.9	63.0	23,329	14,103
24.4	61.0	21,871	13,222
25.9	59.0	20,584	12,444
27.4	57.0	19,441	11,753
29.0	54.9	18,417	11,134
30.5	52.7	17,497	10,577
32.0	50.5	16,663	10,074
33.5	48.2	15,906	9,616
35.1	45.8	15,214	9,198
36.6	43.4	14,581	8,815
38.1	40.8	13,997	8,462
39.6	38.0	13,459	8,137
41.2	35.1	12,960	7,835
42.7	32.0	12,498	7,555
44.2	28.5	12,067	7,295
45.7	24.6	11,664	7,052
47.3	20.1	11,288	6,824
48.8	14.1	10,935	6,611
50.3	1.2	10,604	6,411

LOAD CHART CREATOR: DSHAD 12/2018 rev1.0 - Values listed subject to change without notice. - Values reflect structural capacities and may vary with configuration via client specification. Offboard denotes a default CV=2. Sea State Load Charts are available by request and in conjunction with client supplied vessel data.

Designed and Manufactured under the controls set forth



TECHCRANE

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