

mannesmann
Dematic



BLUE HAT®

CRANE

913.321.0127

AC 160

Capacities on Main Boom

85%

360°

Capacity (lb x 1000) = Load + Hook Block

Counterweight 103,500 lb

Outrigger Base 24.6 ft

Radius (ft)	Main Boom (ft)								
	42.0	55.5*	69.2*	83.3*	96.8*	115.2	133.5	151.5	164.0
10	370.0 ¹⁾	-	-	-	-	-	-	-	-
10	327.0**	198.0	-	-	-	-	-	-	-
11	308.0**	198.0	198.0	-	-	-	-	-	-
13	279.0**	198.0	198.0	165.0	132.0	-	-	-	-
15	253.0**	198.0	198.0	164.5	132.0	-	-	-	-
16	243.0**	198.0	198.0	161.0	132.0	83.5	-	-	-
19	215.0	198.0	194.5	149.5	132.0	83.5	79.0	-	-
23	183.5	181.5	175.0	134.5	123.5	83.5	79.0	61.5	-
26	165.5	163.5	159.5	124.5	116.5	83.5	78.0	61.5	46.2
29	144.5	148.0	146.5	116.0	109.5	83.5	75.5	61.5	46.2
33	-	131.0	128.0	105.5	100.5	83.5	71.5	61.0	46.2
39	-	105.0	101.5	91.5	88.0	75.5	66.5	57.5	46.2
46	-	-	78.0	77.0	75.5	67.0	60.5	53.3	46.2
52	-	-	64.5	63.0	62.5	60.5	55.7	49.2	44.2
59	-	-	-	51.2	50.8	54.5	50.5	44.3	41.4
65	-	-	-	43.5	42.9	48.4	45.8	40.7	38.6
72	-	-	-	-	35.8	41.4	41.5	36.9	35.5
79	-	-	-	-	29.9	35.5	35.7	33.6	32.2
85	-	-	-	-	-	31.3	31.5	30.7	29.4
92	-	-	-	-	-	27.2	27.4	27.4	26.8
98	-	-	-	-	-	24.4	24.6	24.4	24.2
105	-	-	-	-	-	-	21.3	21.3	20.9
111	-	-	-	-	-	-	19.1	18.9	18.7
118	-	-	-	-	-	-	-	16.7	16.1
124	-	-	-	-	-	-	-	14.9	14.3
131	-	-	-	-	-	-	-	13.0	12.4
138	-	-	-	-	-	-	-	-	10.9
144	-	-	-	-	-	-	-	-	9.5

No. of Hoist Lines

¹⁾24/**21/14

	12	12	10	8	5	5	4	3
Sequence of Extended Boom (%)								
1. Tel.	0	45	90	68	90	60	75	100
2. Tel.	0	0	0	68	90	60	75	100
3. Tel.	0	0	0	0	0	60	75	100
4. Tel.	0	0	0	0	0	60	75	100

DS

001

DS = selecting operating mode

* Tele 1 pinned

** with heavy duty attachment

¹⁾ with heavy duty attachment (0° over rear)

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Capacities on Main Boom

85%
360°

Capacity (lb x 1000) = Load + Hook Block

Counterweight 59,500 lb
Outrigger base 24.6 ft

Radius (ft)	Main Boom (ft)								
	42.0	55.5*	69.2*	83.3*	96.8*	115.2	133.5	151.5	164.0
10	316.0**	198.0	-	-	-	-	-	-	-
11	299.0**	198.0	198.0	-	-	-	-	-	-
13	268.0**	198.0	198.0	165.0	132.0	-	-	-	-
15	244.0**	198.0	198.0	164.5	132.0	-	-	-	-
16	233.0	198.0	198.0	161.0	132.0	83.5	-	-	-
19	205.0	197.5	194.0	149.5	132.0	83.5	79.0	-	-
23	173.5	170.5	168.0	134.5	123.5	83.5	79.0	61.5	-
26	149.5	145.0	144.0	124.5	116.5	83.5	78.0	61.5	46.2
29	127.0	123.5	121.0	116.0	109.5	83.5	75.5	61.5	46.2
33	-	98.5	96.0	98.0	97.5	83.5	71.5	61.0	46.2
39	-	73.5	71.5	73.5	72.5	75.5	66.5	57.5	46.2
46	-	-	53.2	54.7	54.3	60.5	60.5	53.3	46.2
52	-	-	42.7	44.2	43.6	49.8	50.2	49.2	44.2
59	-	-	-	34.6	34.2	40.2	40.4	40.4	40.1
65	-	-	-	28.2	27.7	33.9	34.3	34.3	34.1
72	-	-	-	-	21.7	28.1	28.3	28.3	28.1
79	-	-	-	-	17.0	23.2	23.4	23.4	23.2
85	-	-	-	-	-	19.7	20.0	20.0	19.7
92	-	-	-	-	-	16.7	16.9	16.9	16.4
98	-	-	-	-	-	14.2	14.2	14.2	14.0
105	-	-	-	-	-	-	11.9	11.9	11.6
111	-	-	-	-	-	-	10.0	10.0	9.8
118	-	-	-	-	-	-	-	8.1	7.9
124	-	-	-	-	-	-	-	6.7	6.5
131	-	-	-	-	-	-	-	5.5	4.9
138	-	-	-	-	-	-	-	-	3.7
144	-	-	-	-	-	-	-	-	2.7

No. of Hoist Lines

**20/14 12 12 10 8 5 5 4 3

Sequence of Extended Boom (%)

1. Tel.	0	45	90	68	90	60	75	90	100
2. Tel.	0	0	0	68	90	60	75	90	100
3. Tel.	0	0	0	0	0	60	75	90	100
4. Tel.	0	0	0	0	0	60	75	90	100

DS

002

DS = selecting operating mode

* Tele 1 pinned

** with heavy duty attachment

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Capacities on Main Boom

85°
360°

Capacity (lb x 1000) = Load + Hook Block

Counterweight 42,000 lb
Outrigger Base 24.6 ft

Radius (ft)	Main Boom (ft)								
	42.0	55.5*	69.2*	83.3*	96.8*	115.2	133.5	151.5	164.0
10	310.0**	198.0	-	-	-	-	-	-	-
11	292.0**	198.0	198.0	-	-	-	-	-	-
13	264.0**	198.0	198.0	165.0	132.0	-	-	-	-
15	237.0**	198.0	198.0	164.5	132.0	-	-	-	-
16	227.0	198.0	198.0	161.0	132.0	83.5	-	-	-
19	197.0	187.5	186.0	149.5	132.0	83.5	79.0	-	-
23	156.0	152.5	151.5	134.5	123.5	83.5	79.0	59.5	-
26	131.0	126.5	124.5	121.0	116.5	83.5	78.0	59.5	44.0
29	108.5	103.0	101.0	99.5	98.0	83.5	75.5	59.5	44.0
33	-	80.5	78.5	78.0	77.0	83.0	71.5	58.7	44.0
39	-	60.5	58.5	57.7	56.8	64.0	63.5	55.1	44.0
46	-	-	42.0	41.3	40.9	47.5	47.9	47.9	43.8
52	-	-	32.7	32.2	31.4	38.2	38.4	38.4	37.9
59	-	-	-	23.6	23.2	30.0	30.2	30.2	30.0
65	-	-	-	18.7	17.9	24.7	25.0	25.0	24.7
72	-	-	-	-	13.1	19.5	19.7	19.7	19.5
79	-	-	-	-	9.3	15.5	15.7	15.7	15.5
85	-	-	-	-	-	12.7	12.9	12.9	12.7
92	-	-	-	-	-	10.1	10.3	10.3	9.8
98	-	-	-	-	-	8.2	8.3	8.3	8.0
105	-	-	-	-	-	-	6.3	6.1	5.9
111	-	-	-	-	-	-	4.7	4.7	4.5
118	-	-	-	-	-	-	-	3.3	2.8
No. of Hoist Lines	**20/14	12	12	10	8	5	5	4	3
Sequence of Extended Boom (%)									
1. Tel.	0	45	90	68	90	60	75	90	100
2. Tel.	0	0	0	68	90	60	75	90	100
3. Tel.	0	0	0	0	0	60	75	90	100
4. Tel.	0	0	0	0	0	60	75	90	100

DS

003

DS = selecting operating mode

* Tele 1 pinned

** with heavy duty attachment

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Capacities on Main Boom

85%
360°

Capacity (lb x 1000) = Lead + Hook Block

Counterweight 24,200 lb
Outrigger Base 24.6 ft

Radius (ft)	Main Boom (ft)								
	42.0	55.5*	69.2*	83.3*	96.8*	115.2	133.5	151.5	164.0
10	303.0**	198.0	-	-	-	-	-	-	-
11	287.0**	198.0	198.0	-	-	-	-	-	-
13	257.0**	198.0	198.0	165.0	132.0	-	-	-	-
15	233.0**	198.0	198.0	164.5	132.0	-	-	-	-
16	223.0	198.0	198.0	161.0	132.0	83.5	-	-	-
19	187.0	179.0	177.0	149.5	132.0	83.5	77.0	-	-
23	138.0	133.0	129.5	132.5	123.0	83.5	77.0	57.3	-
26	108.5	103.5	100.5	103.5	102.0	83.5	76.0	57.3	42.9
29	88.0	84.0	81.0	83.5	82.5	83.5	74.0	55.2	42.9
33	-	64.5	62.0	64.0	63.5	72.0	70.5	52.3	42.9
39	-	46.1	43.4	45.4	45.0	52.5	52.9	49.9	42.9
46	-	-	29.8	31.8	31.2	38.0	38.4	38.4	38.0
52	-	-	21.8	23.6	22.7	29.9	30.2	30.2	29.9
59	-	-	-	16.3	15.7	22.7	23.2	23.2	22.9
65	-	-	-	12.1	9.4	18.1	18.3	18.3	18.1
72	-	-	-	-	7.1	13.7	13.9	13.9	13.7
79	-	-	-	-	4.3	10.4	10.6	10.6	10.2
85	-	-	-	-	-	8.0	8.2	8.2	8.0
92	-	-	-	-	-	5.9	6.1	5.9	5.6
98	-	-	-	-	-	4.3	4.3	4.3	4.0
105	-	-	-	-	-	-	2.6	2.6	2.2

No. of Hoist Lines

**19/14 12 12 10 8 5 5 4 3

Sequence of Extended Boom (%)

1. Tel.	0	45	90	68	90	60	75	90	100
2. Tel.	0	0	0	68	90	60	75	90	100
3. Tel.	0	0	0	0	0	60	75	90	100
4. Tel.	0	0	0	0	0	60	75	90	100

DS

004

DS = selecting operating mode

* Tele 1 pinned

** with heavy duty attachment

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Dematic

AC 160

Capacities on Main Boom

83%
360°

Capacity (lb x 1000) = Load + Hook Block

Radius (ft)	Main Boom (ft)									Counterweight	0 lb
	42.0	55.5*	69.2*	83.3*	96.8*	115.2	133.5	151.5	164.0	24.6 ft	
10	297.0**	198.0	-	-	-	-	-	-	-	-	-
11	279.0**	198.0	198.0	-	-	-	-	-	-	-	-
13	250.0**	198.0	198.0	165.0	132.0	-	-	-	-	-	-
15	220.0	197.5	197.0	164.5	132.0	-	-	-	-	-	-
16	204.0	193.5	192.0	161.0	132.0	83.5	-	-	-	-	-
19	144.0	138.5	135.0	131.5	125.0	83.5	74.5	-	-	-	-
23	91.5	86.5	84.0	86.5	85.5	83.5	74.5	52.9	-	-	-
26	70.0	65.0	62.5	65.0	64.5	72.5	72.5	52.9	41.8	-	-
29	55.2	50.7	48.0	50.3	49.8	58.2	58.6	52.9	41.8	-	-
33	-	37.5	34.9	37.0	36.6	43.9	44.3	41.9	38.2	-	-
39	-	25.2	23.2	25.0	24.1	31.0	31.4	30.6	29.4	-	-
46	-	-	14.2	15.8	15.3	21.3	21.7	21.3	20.4	-	-
52	-	-	9.0	10.7	10.3	16.0	16.3	15.8	15.0	-	-
59	-	-	-	5.9	5.1	11.5	11.7	11.2	10.3	-	-
65	-	-	-	2.7	-	8.6	8.8	8.2	7.7	-	-
72	-	-	-	-	-	5.3	5.5	5.3	4.7	-	-
79	-	-	-	-	-	3.0	3.2	3.0	2.5	-	-

No. of Hoist Lines

	**19/14	12	12	10	8	5	5	4	3
Sequence of Extended Boom (%)									
1. Tel.	0	45	90	68	90	60	75	90	100
2. Tel.	0	0	0	68	90	60	75	90	100
3. Tel.	0	0	0	0	0	60	75	90	100
4. Tel.	0	0	0	0	0	60	75	90	100

DS

005

DS = selecting operating mode

* Tele 1 pinned

** with heavy duty attachment