110 TON MOBILIFT

by

LIFT SYSTEMS, INC.

Global Leaders in Specialized

Lifting Equipment!

MOBILIFT

110 TON

STANDARD EQUIPMENT

ENGINE:
Cummins Diesel Engine: QSB4.5P
160 hp (116 Kw) intermittent @ 2500 rpm
U.S. EPA Tier 3
CARB Tier 3
EU Stage III
Torque @ 1500 rpm, 466 ft-lbs (632 N-m)

PUMP:
Sundstrand 90 series drive pump

CONTROL SYSTEM:
CARL (Computer Assisted Remote Lifting) Control System. Monitors Boom Angle, Boom Extension, Pressure, Counterweight Load Pin. Automatic Shutdown for overload conditions. Large easy to read display screen with push button navigation and dial adjustment.

CONTROLS:
Separate controls for each function.
Combination of foot pedal, joystick, and push button controls allows for multiple functions to be performed at the same time.

DRIVE:
Poclain MK35 drive motors (qty. 3)
(2) in front, (1) in rear steering box.

WHEELS:
Front: qty. (4)
Diameter: 28”
Width: (2) @ 24” and (2) @ 16”
Rear: qty. (2)
Diameter: 28”
Width: 16”
Replaceable polyurethane composition

STEERING:
90 degree steering of rear wheels.

OSCILLATING REAR STEERING BOX:
Keeps all steering wheels in contact with ground.

GRADABILITY:
Unloaded maximum grade is 20%
Loaded maximum grade is 8%

GROUND BEARING PRESSURE:
Loaded Front Tires: 634 psi maximum
Unloaded Rear Tires: 502 psi maximum

TRAVEL SPEED UNLOADED:
Travel Mode - High Gear = 0.0 to 1.70 mph
Travel Mode - Low Gear = 0.0 to 0.86 mph
Work Mode - Low Gear = 0.0 to 0.42 mph

TELESCOPING COUNTERWEIGHT:
Standard counterweight section telescopes 5’ using (2) hydraulic cylinders. Push button control.

HYDRAULIC RESERVOIR:
200 gallons (757 liters)

BOOM:
High strength three section telescoping boom with powered first section and manually extended second section. Replaceable wear pads on all sliding sections.

BOOM LIFT CYLINDERS:
Twin cylinders capable of lifting and lowering with a full load. Safety holding valves installed on both cylinders. Spherical bearings ensure constant alignment with the boom.

BOOM TELESCOPE CYLINDER:
Single cylinder capable of telescoping the boom in and out with a full load. Safety holding valve is installed on the cylinder.

LIFTING EYES:
Qty. one (1) centrally located on main boom and one (1) located on power boom both with 110 ton capacity.

WINCH:
Two speed high performance hydraulic winch. Integral, full capacity load brake. Wide, low profile drum. 500’ - 1” wire rope capacity.

WEIGHT:
58,200 lbs.
Standard “A” counterweight included

COUNTERWEIGHTS:
“A” - non-removable counterweight installed in unit
“B” - qty. (2) - 8,270 lbs each. - 16,540 lbs total
“C” - qty. (1) - 9,200 lbs
“D” - qty. (1) - 9,200 lbs
“E” - qty. (1) - 9,200 lbs

TIE DOWN / LIFTING EYES:
Tie down / lifting eyes installed for securing unit during transport and for lifting of the unit.

DRIVER PROTECTION GUARD:
Structural overhead guard for operator protection.

OTHER STANDARD FEATURES:
Back up alarm, horn, strobe light, operator seat complete with safety belt and electric switch.

OPTIONAL EQUIPMENT

RADIO REMOTE CONTROL:
Radio remote control allows full machine functionality from a wireless radio remote. Allows operator optimal view of load. Emergency safety shutdown switch is standard.

110 TON SPINNER:
Allows for 360 degree rotation of load from picking eye.

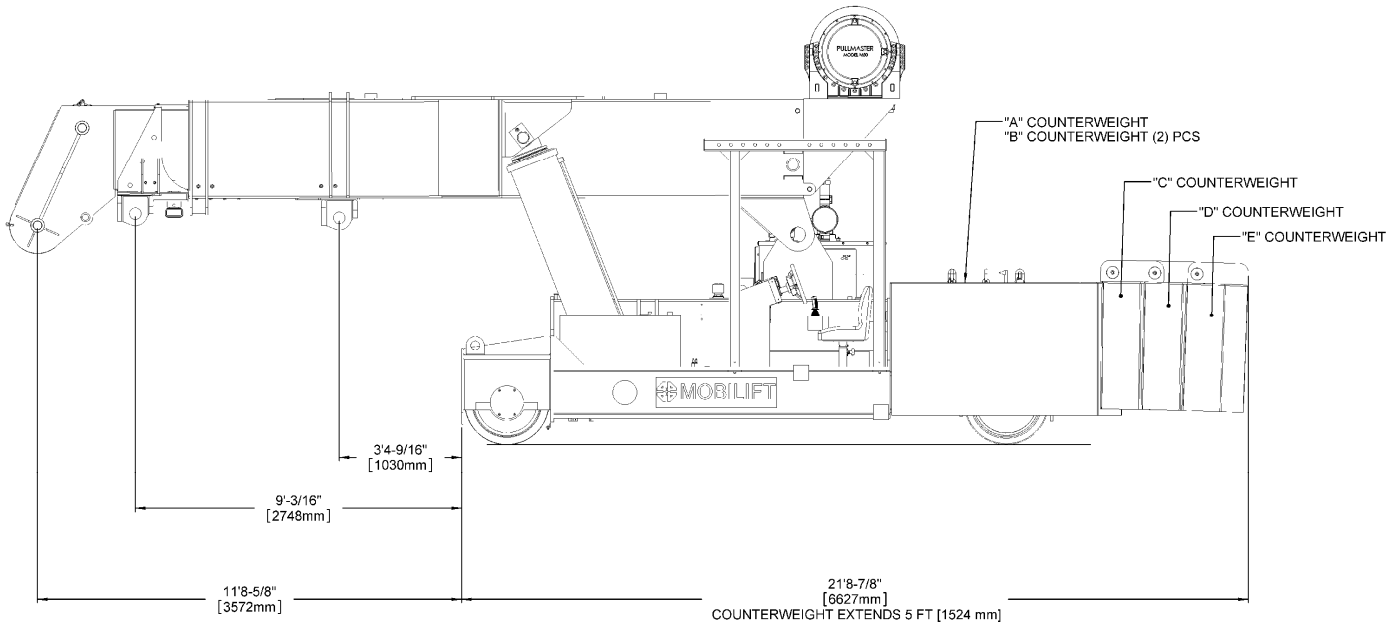
EXHAUST PURFIER:
Reduces diesel particulate matter.

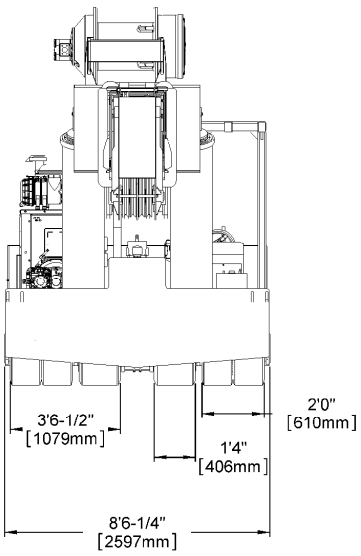
JIB EXTENSION:
Consult factory for available capacities

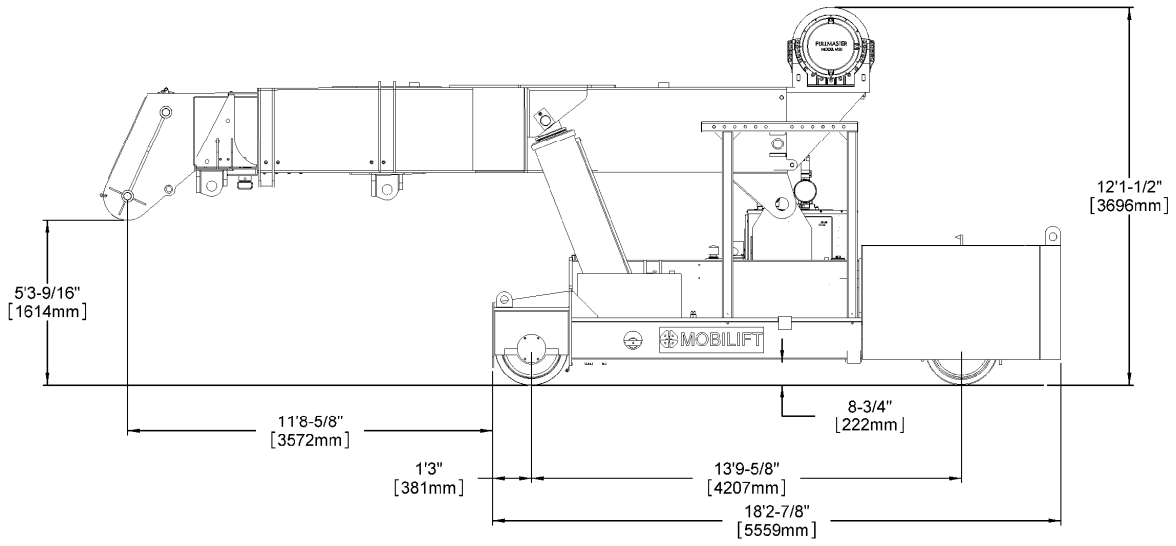
MOBILIFT

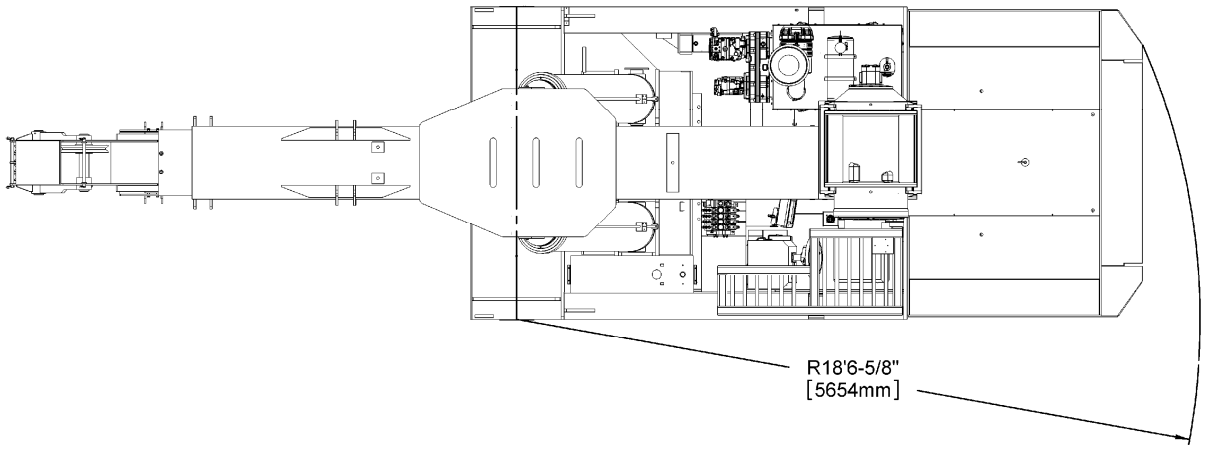
110 TON

DIMENSIONAL DATA





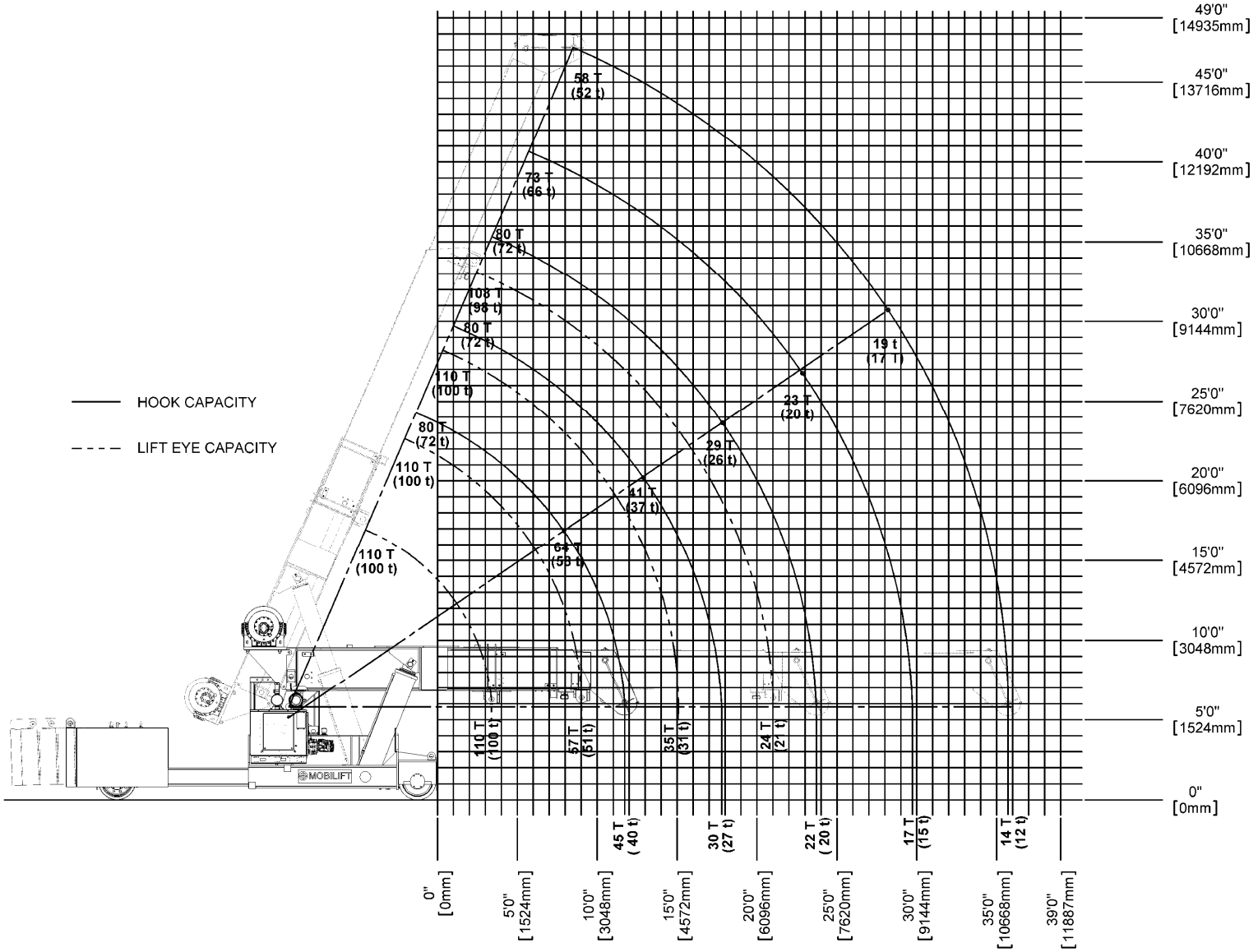




MOBILIFT

110 TON

REFERENCE CAPACITY / RANGE DIAGRAM



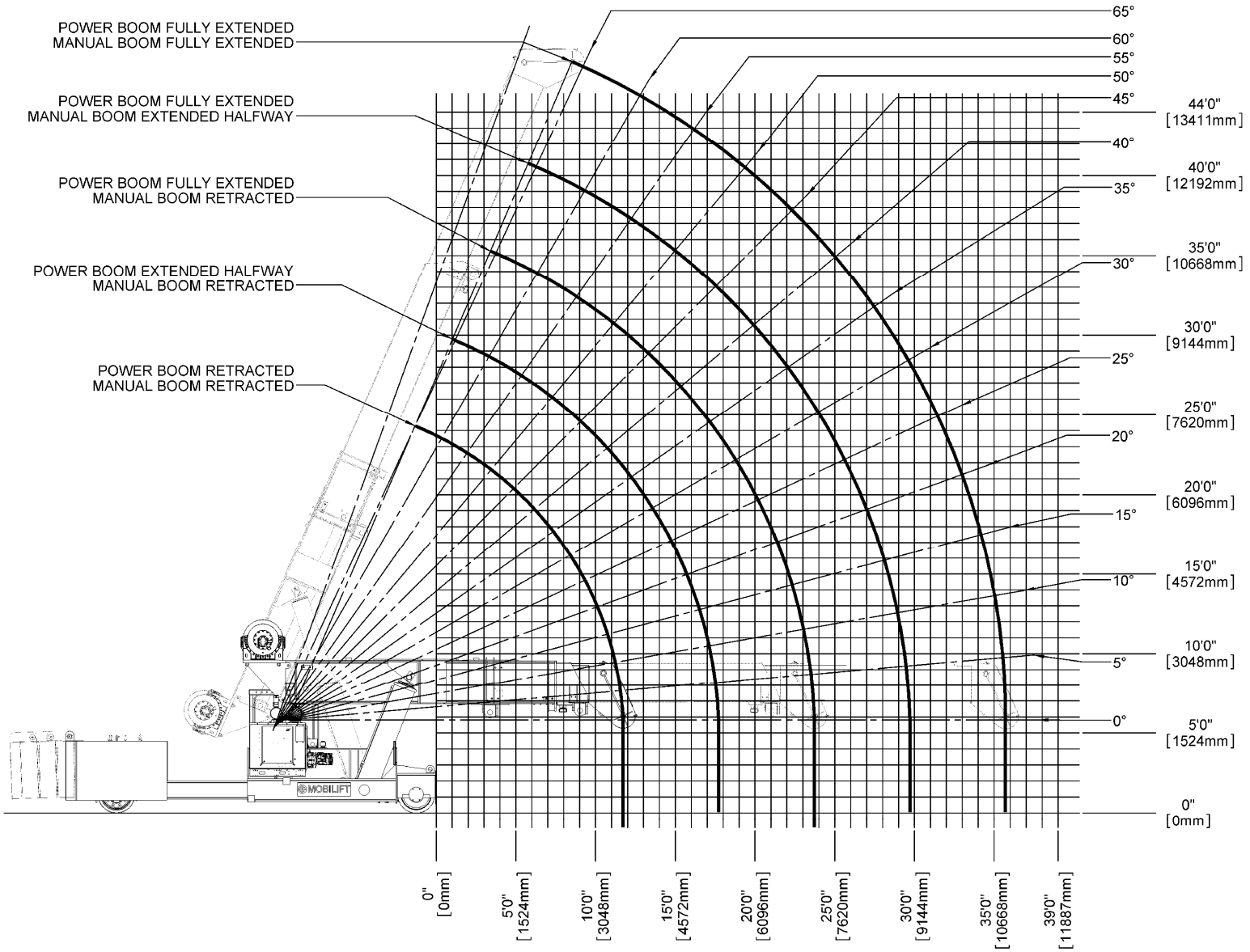
NOTE

1. **The above chart is for reference purposes only.**
2. **Never use the above chart for lift planning calculations**
3. **Lift plan calculations are to be determined solely by the load charts and range diagrams that are issued for the specific serial numbered machine that is to be used for the specific planned lift.**

MOBILIFT

110 TON

RANGE DIAGRAM



NOTE

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MOBILIFT

110 TON

LOAD CHARTS FOR “A” COUNTERWEIGHT (HOOK BLOCK)

110 TON MOBILIFT LOAD CHART

FOR USE WITH HOOK BLOCK ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT

MLLC220
11/18/2010

LOAD RADIUS (FEET FROM FRONT)	FULLY EXTENDED BOOM ANGLE	BOOM LENGTH (FEET) 21	33	45	FULLY RETRACTED BOOM ANGLE	BOOM LENGTH (FEET) 21	33	45
0	63	160,000	LOADED BOOM ANGLE	MANUAL FLY SECTION	63	160,000	LOADED BOOM ANGLE	MANUAL FLY SECTION
1	60	160,000			60	157,100		
2	57	131,600			57	107,200		
3	54	99,400		SEE NOTES	54	80,800		SEE NOTES
4	50	79,500	66	78,800	50	64,400	66	63,800
5	46	66,000	64	65,400	46	53,300	64	52,700
6	42	56,200	62	55,600	42	45,300	62	44,700
7	38	48,700	60	48,200	38	39,200	60	38,600
8	33	42,900	58	42,400	33	34,400	58	33,900
9	28	38,200	56	37,800	66	39,200	28	30,500
10	23	34,400	54	33,900	64	35,300	21	27,400
11	0	29,200	52	30,700	63	32,000	10	23,100
12	SEE NOTE (E)		49	28,000	62	29,300	SEE NOTE (E)	
13			47	25,600	60	26,900		
14			45	23,600	59	24,800		
15			42	21,800	57	23,000		
16			39	20,300	56	21,400		
17			36	18,900	54	20,000		
18			33	17,600	52	18,700		
19			30	16,500	51	17,600		
20			26	15,400	49	16,500		
21			22	14,500	47	15,600		
22			16	13,700	46	14,700		
23			0	12,400	44	13,900		
24					42	13,200		
25					40	12,500		
26					38	11,900		
27					36	11,300		
28					33	10,700		
29					31	10,200		
30					28	9,800		
31					26	9,300		
32					22	8,900		
33					19	8,500		
34					14	8,100		
35					0	7,600		

LOAD RADIUS (FEET FROM FRONT)	FULLY RETRACTED BOOM ANGLE	BOOM LENGTH (FEET) 45
0	63	31,400
1	60	
2	57	
3	54	
4	50	
5	46	
6	42	
7	38	
8	33	
9	28	
10	21	28,200
11	10	25,600
12	SEE NOTE (E)	2,300
13		21,300
14		19,600
15		18,100
16		16,800
17		15,600
18		14,600
19		13,600
20		12,800
21		12,000
22		11,300
23		10,600
24		10,000
25		9,500
26		9,000
27		8,500
28		8,000
29		7,600
30		7,200
31		6,900
32		6,500
33		6,200
34		5,900
35		5,400

NOTES:
A) FLY SECTION CAPACITIES ARE LIMITED BY ANGLE. DO NOT USE LOAD RADIUS WHEN USING FLY SECTION.
B) RATINGS ABOVE THE BOLD LINE ARE BASED ON THE MACHINE'S HYDRAULIC OR STRUCTURAL STRENGTH AND NOT STABILITY.
C) RATINGS BELOW THE BOLD LINE ARE BASED ON 85% OF TIPPING.
D) ALL CAPACITIES ARE IN POUNDS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 44' WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 45' BOOM. FOR BOOM ANGLES NOT SHOWN USE RATINGS OF THE NEXT LOWER BOOM ANGLE.

CAUTION!
DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.

LOAD CHARTS FOR “A” AND “B” COUNTERWEIGHT (HOOK BLOCK)

110TON MOBILIFT LOAD CHART

FOR USE WITH HOOK BLOCK ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B" COUNTERWEIGHT ADDED

MLLC221
11/18/2010

LOAD RADIUS (FEET FROM FRONT)	FULLY EXTENDED BOOM ANGLE	BOOM LENGTH (FEET) 21	33	45	FULLY RETRACTED BOOM ANGLE	BOOM LENGTH (FEET) 21	33	45
0	63	160,000	LOADED BOOM ANGLE	MANUAL FLY SECTION	63	160,000	LOADED BOOM ANGLE	MANUAL FLY SECTION
1	60	160,000			60	160,000		
2	57	160,000			57	160,000		
3	54	159,600		SEE NOTES	54	124,500		SEE NOTES
4	50	128,200	66	127,600	50	99,800	66	99,100
5	46	106,900	64	106,300	46	83,000	64	82,400
6	42	91,400	62	90,900	42	70,900	62	70,300
7	38	79,700	60	79,200	38	61,700	60	61,100
8	33	70,600	58	70,100	33	54,400	58	53,900
9	28	63,200	56	62,700	66	64,100	28	48,600
10	21	57,100	54	56,700	64	58,000	21	43,900
11	0	48,900	52	51,600	63	52,900	0	37,400
12	SEE NOTE (E)		49	47,300	62	48,600	SEE NOTE (E)	
13			47	43,600	60	44,800		
14			45	40,400	59	41,600		
15			42	37,600	57	38,700		
16			39	35,100	56	36,200		
17			36	32,900	54	34,000		
18			33	30,900	52	32,000		
19			30	29,100	51	30,200		
20			26	27,500	49	28,600		
21			22	26,000	47	27,100		
22			16	24,700	46	25,700		
23			0	22,600	44	24,500		
24					42	23,300		
25					40	22,200		
26					38	21,300		
27					36	20,300		
28					33	19,500		
29					31	18,700		
30					28	18,000		
31					26	17,300		
32					22	16,600		
33					19	16,000		
34					14	15,400		
35					0	14,500		

LOAD RADIUS (FEET FROM FRONT)	FULLY RETRACTED BOOM ANGLE	BOOM LENGTH (FEET) 45
0	63	49,600
1	60	
2	57	
3	54	
4	50	
5	46	
6	42	
7	38	
8	33	
9	28	
10	21	44,700
11	0	40,700
12	SEE NOTE (E)	37,300
13		34,400
14		31,800
15		29,600
16		27,600
17		25,800
18		24,200
19		22,800
20		21,500
21		20,400
22		19,300
23		18,300
24		17,400
25		16,600
26		15,800
27		15,100
28		14,400
29		13,800
30		13,200
31		12,600
32		12,100
33		11,600
34		11,200
35		10,400

NOTES:
A) FLY SECTION CAPACITIES ARE LIMITED BY ANGLE. DO NOT USE LOAD RADIUS WHEN USING FLY SECTION.
B) RATINGS ABOVE THE BOLD LINE ARE BASED ON THE MACHINE'S HYDRAULIC OR STRUCTURAL STRENGTH AND NOT STABILITY.
C) RATINGS BELOW THE BOLD LINE ARE BASED ON 85% OF TIPPING.
D) ALL CAPACITIES ARE IN POUNDS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 44' WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 45' BOOM. FOR BOOM ANGLES NOT SHOWN USE RATINGS OF THE NEXT LOWER BOOM ANGLE.

CAUTION!
DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.

NOTE:
Specifications are provided in imperial dimensions. All equipment dimensions, designs, specifications, calculations, etc., as described, are subject to change at manufacturer’s discretion at any time and without notice. Weights are approximate and may vary. Data herein is for informational purposes only and will not be construed to guarantee suitability of equipment for any particular as performance my vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment. Capacities are for reference only and must not be used for any serial numbered machine. Serial numbered load charts may be obtained from Lift Systems, Inc.

MOBILIFT

110 TON

LOAD CHARTS FOR “A”, “B”, AND “C” COUNTERWEIGHT (HOOK BLOCK)

110 TON MOBILIFT LOAD CHART

MLLC222 11/18/2010

FOR USE WITH HOOK BLOCK ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B","C" COUNTERWEIGHT ADDED

LOAD RADIUS (FEET FROM FRONT)	FULLY EXTENDED BOOM LENGTH (FEET) 21	33	45	FULLY RETRACTED BOOM LENGTH (FEET) 21	33	45
	∠°			∠°		
0	63	160,000	MANUAL FLY SECTION SEE NOTES	63	160,000	MANUAL FLY SECTION SEE NOTES
1	60	160,000		60	160,000	
2	57	160,000		57	160,000	
3	54	160,000		54	156,200	
4	50	160,000		50	125,400	
5	46	134,600		46	104,600	
6	42	115,300		42	89,400	
7	38	100,700		38	78,000	
8	33	89,300		33	69,000	
9	28	80,100		28	61,800	
10	21	72,500		21	55,800	
11	0	62,300		0	47,800	
12	SEE NOTE (E)			SEE NOTE (E)		
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
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30						
31						
32						
33						
34						
35						

LOADED BOOM ANGLE ∠°	21	33	45
66		160,000	
64		133,900	
62		114,700	
60		100,200	
58		88,800	
56	80,100	79,600	66,000
54	72,500	72,000	64,000
52	62,300	65,700	63,000
49		60,300	62,000
47		55,700	60,000
45		51,700	59,000
42		48,200	57,000
39		45,100	56,000
36		42,300	54,000
33		39,900	52,000
30		37,600	51,000
26		35,600	49,000
22		33,800	47,000
16		32,100	46,000
0		29,500	44,000

LOADED BOOM ANGLE ∠°	21	33	45
66		124,800	
64		103,900	
62		88,900	
60		77,400	
58		68,500	
56	61,300	61,300	66,000
54	55,400	55,400	64,000
52	50,400	50,400	63,000
49		46,200	62,000
47		42,600	60,000
45		39,400	59,000
42		36,700	57,000
39		34,200	56,000
36		32,100	54,000
33		30,100	52,000
30		28,400	51,000
26		26,800	49,000
22		25,300	47,000
16		24,000	46,000
0		22,000	44,000

NOTES:
A) FLY SECTION CAPACITIES ARE LIMITED BY ANGLE. DO NOT USE LOAD RADIUS WHEN USING FLY SECTION.
B) RATINGS ABOVE THE BOLD LINE ARE BASED ON THE MACHINE'S HYDRAULIC OR STRUCTURAL STRENGTH AND NOT STABILITY.
C) RATINGS BELOW THE BOLD LINE ARE BASED ON 85% OF TIPPING.
D) ALL CAPACITIES ARE IN POUNDS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 45' WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 45' BOOM. FOR BOOM ANGLES NOT SHOWN USE RATINGS OF THE NEXT LOWER BOOM ANGLE.

CAUTION!
DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.

LOAD CHARTS FOR “A”, “B”, “C”, AND “D” COUNTERWEIGHT (HOOK BLOCK)

110 TON MOBILIFT LOAD CHART

MLLC223 11/18/2010

FOR USE WITH HOOK BLOCK ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B","C","D" COUNTERWEIGHT ADDED

LOAD RADIUS (FEET FROM FRONT)	FULLY EXTENDED BOOM LENGTH (FEET) 21	33	45	FULLY RETRACTED BOOM LENGTH (FEET) 21	33	45
	∠°			∠°		
0	63	160,000	MANUAL FLY SECTION SEE NOTES	63	160,000	MANUAL FLY SECTION SEE NOTES
1	60	160,000		60	160,000	
2	57	160,000		57	160,000	
3	54	160,000		54	160,000	
4	50	160,000		50	152,800	
5	46	160,000		46	127,500	
6	42	140,300		42	109,200	
7	38	122,700		38	95,400	
8	33	108,900		33	84,500	
9	28	97,800		28	75,800	
10	21	88,700		21	68,500	
11	0	76,300		0	58,900	
12	SEE NOTE (E)			SEE NOTE (E)		
13						
14						
15						
16						
17						
18						
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32						
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34						
35						

LOADED BOOM ANGLE ∠°	21	33	45
66		160,000	
64		160,000	
62		139,800	
60		122,200	
58		108,400	
56	97,300	97,300	66,000
54	88,200	88,200	64,000
52	80,500	80,500	63,000
49		74,100	62,000
47		68,500	60,000
45		63,600	59,000
42		59,400	57,000
39		55,600	56,000
36		52,300	54,000
33		49,300	52,000
30		46,600	51,000
26		44,200	49,000
22		41,900	47,000
16		39,900	46,000
0		36,800	44,000

LOADED BOOM ANGLE ∠°	21	33	45
66		152,100	
64		126,900	
62		108,600	
60		94,800	
58		84,000	
56	75,300	75,300	66,000
54	68,100	68,100	64,000
52	62,100	62,100	63,000
49		57,000	62,000
47		52,600	60,000
45		48,800	59,000
42		45,500	57,000
39		42,600	56,000
36		39,900	54,000
33		37,600	52,000
30		35,500	51,000
26		33,500	49,000
22		31,800	47,000
16		30,200	46,000
0		27,800	44,000

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MOBILIFT

110 TON

LOAD CHARTS FOR “A”, “B”, “C”, “D”, and “E” COUNTERWEIGHT (HOOK BLOCK)

110 TON MOBILIFT LOAD CHART

MLLC224
11/18/2010

FOR USE WITH HOOK BLOCK ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B","C","D", "E" COUNTERWEIGHT ADDED

LOAD RADIUS (FEET FROM FRONT)	FULLY EXTENDED						FULLY RETRACTED					
	BOOM ANGLE	BOOM LENGTH (FEET) 21	LOADED BOOM ANGLE	33	LOADED BOOM ANGLE	45	BOOM ANGLE	BOOM LENGTH (FEET) 21	LOADED BOOM ANGLE	33	LOADED BOOM ANGLE	45
0	63	160,000			MANUAL FLY SECTION		63	160,000			MANUAL FLY SECTION	
1	60	160,000					60	160,000				
2	57	160,000					57	160,000				
3	54	160,000			SEE NOTES		54	160,000			SEE NOTES	
4	50	160,000	66	160,000			50	160,000	66	160,000		
5	46	160,000	64	160,000	LOADED BOOM ANGLE		46	151,800	64	151,200	LOADED BOOM ANGLE	
6	42	160,000	62	160,000			42	130,200	62	129,600		
7	38	145,800	60	145,300			38	113,800	60	113,300		
8	33	129,500	58	129,000			33	101,000	58	100,400		
9	28	116,400	56	115,900	66	117,300	28	90,600	56	90,100	66	91,500
10	21	105,600	54	105,100	64	106,500	21	82,100	54	81,600	64	83,000
11	0	90,900	52	96,100	63	97,400	0	70,600	52	74,500	63	75,800
12	SEE NOTE (E)		49	88,400	62	89,700	SEE NOTE (E)		49	68,500	62	69,800
13			47	81,800	60	83,100			47	63,300	60	64,500
14			45	76,100	59	77,300			45	58,800	59	60,000
15			42	71,100	57	72,300			42	54,900	57	56,000
16			39	66,700	56	67,800			39	51,400	56	52,500
17			36	62,700	54	63,900			36	48,300	54	49,400
18			33	59,200	52	60,300			33	45,500	52	46,600
19			30	56,000	51	57,100			30	43,000	51	44,100
20			26	53,100	49	54,200			26	40,700	49	41,800
21			22	50,500	47	51,600			22	38,600	47	39,700
22			16	48,100	46	49,100			16	36,700	46	37,800
23			0	44,400	44	46,900			0	33,900	44	36,000
24					42	44,900					42	34,400
25					40	43,000					40	32,900
26					38	41,300					38	31,600
27					36	39,600					36	30,300
28					33	38,100					33	29,100
29					31	36,700					31	28,000
30					28	35,400					28	26,900
31					26	34,100					26	26,000
32					22	33,000					22	25,000
33					19	31,900					19	24,200
34					14	30,900					14	23,400
35					0	29,200					0	22,100

NOTES:
A) FLY SECTION CAPACITIES ARE LIMITED BY ANGLE. DO NOT USE LOAD RADIUS WHEN USING FLY SECTION.
B) RATINGS ABOVE THE BOLD LINE ARE BASED ON THE MACHINE'S HYDRAULIC OR STRUCTURAL STRENGTH AND NOT STABILITY.
C) RATINGS BELOW THE BOLD LINE ARE BASED ON 85% OF TIPPING.
D) ALL CAPACITIES ARE IN POUNDS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 44' WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 45' BOOM. FOR BOOM ANGLES NOT SHOWN USE RATINGS OF THE NEXT LOWER BOOM ANGLE.

CAUTION!
DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.

NOTE:
Specifications are provided in imperial dimensions. All equipment dimensions, designs, specifications, calculations, etc., as described, are subject to change at manufacturer’s discretion at any time and without notice. Weights are approximate and may vary. Data herein is for informational purposes only and will not be construed to guarantee suitability of equipment for any particular as performance my vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment. Capacities are for reference only and must not be used for any serial numbered machine. Serial numbered load charts may be obtained from Lift Systems, Inc.

MOBILIFT

110 TON

POWER BOOM LIFTING EYE
LOAD CHARTS WITH FULL COUNTERWEIGHT (A,B,C,D,E WEIGHTS)

110 TON MOBILIFT LOAD CHART

MLLC234
11/19/2010

FOR USE WITH POWER BOOM LIFT EYE ONLY
STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B","C","D", "E" COUNTERWEIGHT ADDED

FULLY EXTENDED

LOAD RADIUS (FEET FROM FRONT)	BOOM ANGLE	BOOM LENGTH 21	LOADED BOOM ANGLE	BOOM LENGTH 27	LOADED BOOM ANGLE	BOOM LENGTH 33
0	58	220,463				
1	54	220,463	64	220,463		
2	50	220,463	61	220,463		
3	46	220,463	58	220,463	65	213,700
4	42	213,200	55	213,200	63	203,300
5	37	192,200	53	192,100	61	192,100
6	32	164,900	50	164,800	59	164,800
7	25	144,200	47	144,100	56	144,100
8	17	128,100	43	127,900	54	127,900
9	0	114,900	40	114,900	52	114,900
10	SEE NOTE (D)		36	104,200	49	104,100
11			32	95,200	47	95,200
12			28	87,600	44	87,600
13			22	81,100	42	81,000
14			15	75,400	39	75,300
15			0	70,400	36	70,300
16					32	65,900
17					29	62,000
18					25	58,500
19					20	55,300
20					14	52,500
21					0	49,800

NOTES:
A) RATINGS ABOVE THE BOLD LINE ARE BASED ON THE MACHINE'S HYDRAULIC OR STRUCTURAL STRENGTH AND NOT STABILITY.
B) RATINGS BELOW THE BOLD LINE ARE BASED ON 85% OF TIPPING.
C) ALL CAPACITIES ARE IN POUNDS.
D) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

FULLY RETRACTED

BOOM ANGLE	BOOM LENGTH 21	LOADED BOOM ANGLE	BOOM LENGTH 27	LOADED BOOM ANGLE	BOOM LENGTH 33
58	220,463				
54	220,463	64	220,463		
50	220,463	61	220,463		
46	220,463	58	220,463	65	213,700
42	179,600	55	179,500	63	179,500
37	149,900	53	149,900	61	149,900
32	128,500	50	128,400	59	128,400
25	112,200	47	112,200	56	112,100
17	99,500	43	99,400	54	99,400
0	89,200	40	89,100	52	89,100
SEE NOTE (D)		36	80,700	49	80,700
		32	73,700	47	73,600
		28	67,700	44	67,600
		22	62,500	42	62,500
		15	58,100	39	58,000
		0	54,100	36	54,100
				32	50,600
				29	47,500
				25	44,800
				20	42,300
				14	40,000
				0	38,000

CAUTION!
DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.

NOTE:
The ratings above the bold line are based upon machine's hydraulic or structural strength and not stability.
Ratings below bold line are based on 85% of tipping.
All capacities are in pounds.

CAUTION!
Do not extend or retract counterweight with any load suspended on hook.

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