



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 PURIFIER:

Reduces diesel particulate matter.

JIB EXTENSION:

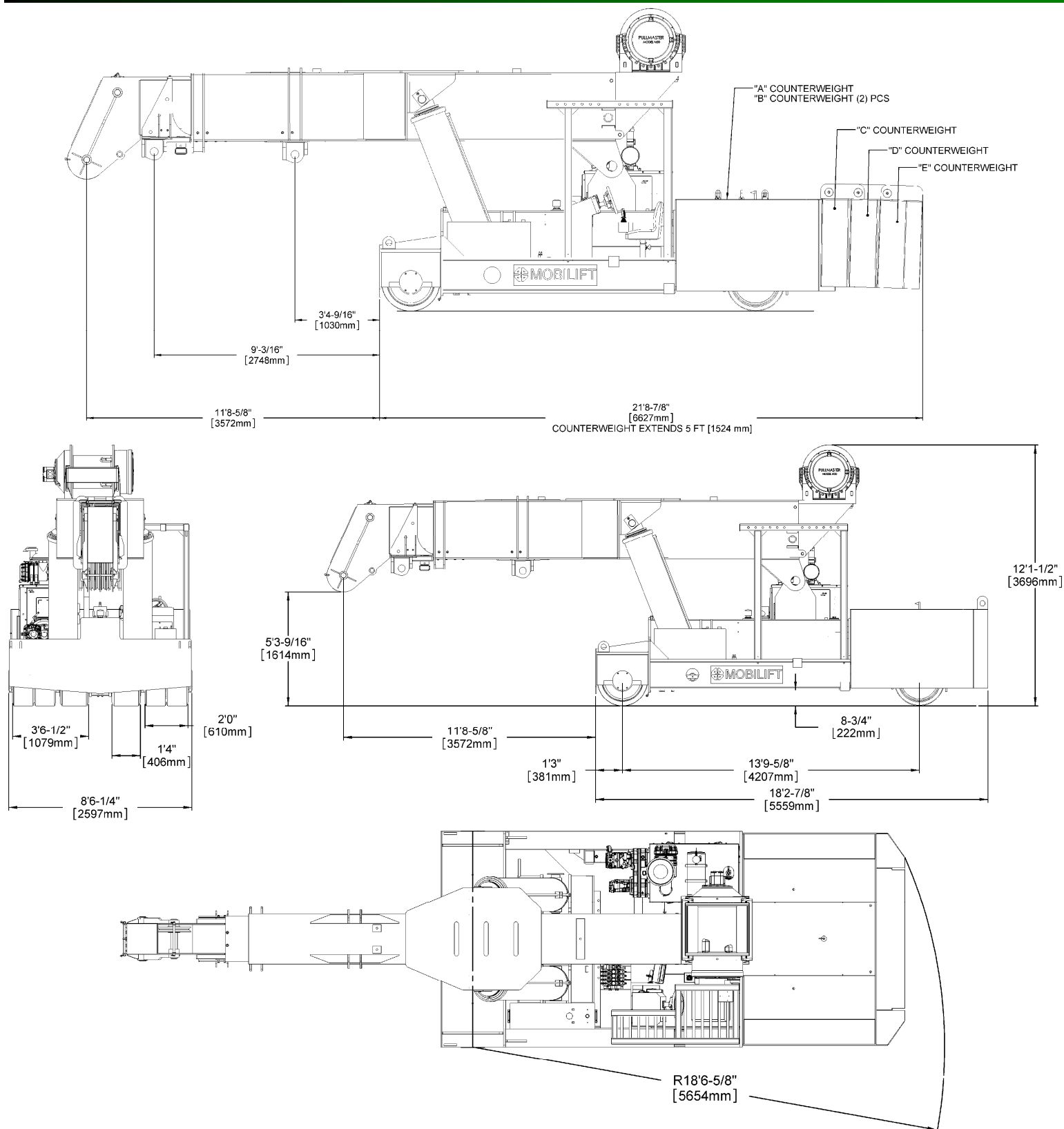
Consult factory for available capacities



MOBILIFT

110 TON

DIMENSIONAL DATA

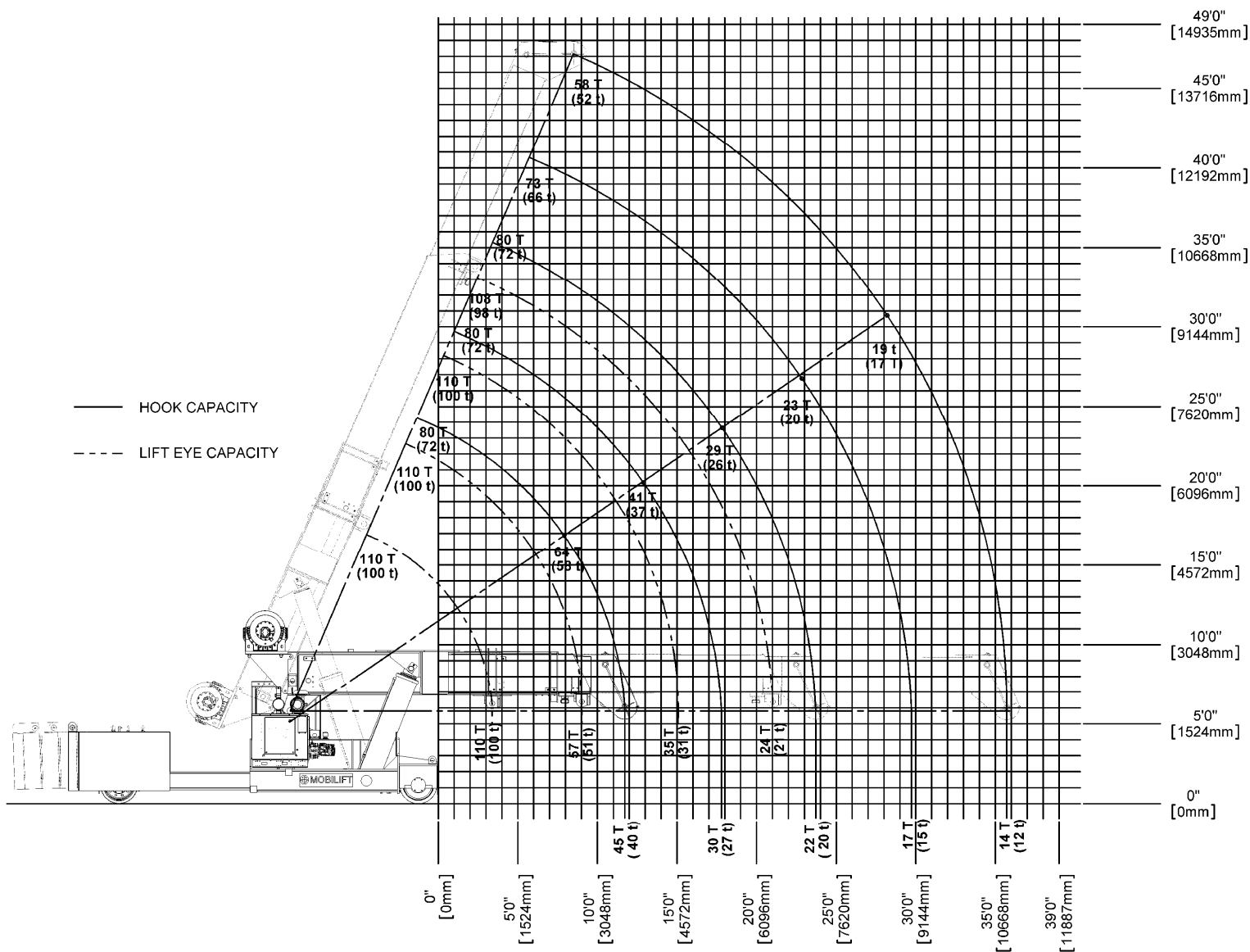




MOBILIFT

110 TON

REFERENCE CAPACITY / RANGE DIAGRAM



NOTE

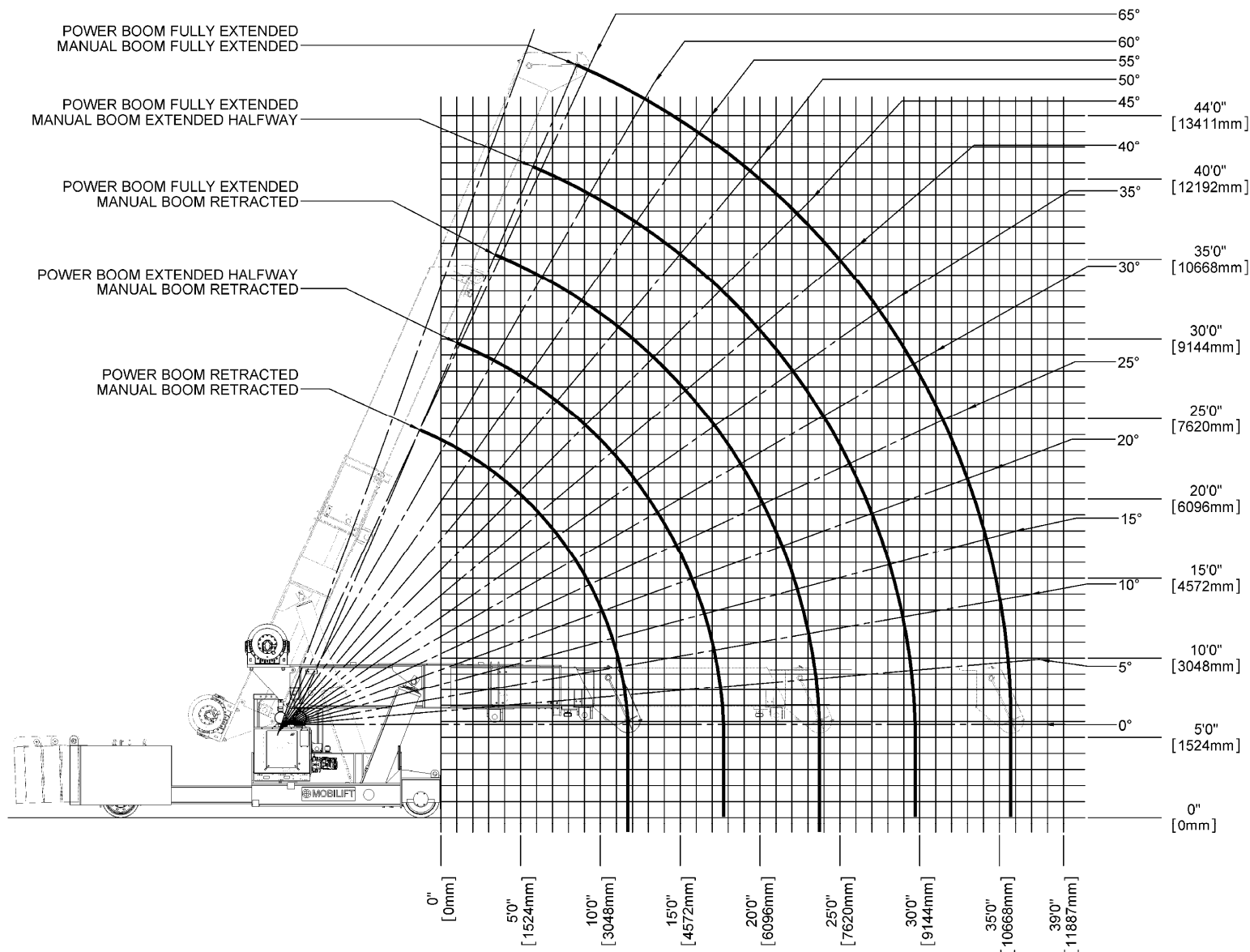
1. The above chart is for reference purposes only.
2. Never use the above chart for lift planning calculations
3. Lift plan calculations are to be determined solely by the load charts and range diagrams that are issued for the specific serial numbered machine that is to be used for the specific planned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



MOBILIFT

110 TON

RANGE DIAGRAM



NOTE

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

LOAD CHARTS FOR “A” COUNTERWEIGHT (HOOK BLOCK)

LOAD RADIUS		110 TON MOBILIFT LOAD CHART FOR USE WITH HOOK BLOCK ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT												MLLC220 11/18/2010	
(FEET FROM FRONT)	FULLY EXTENDED BOOM LENGTH (FEET)						FULLY RETRACTED BOOM LENGTH (FEET)								
		21	33	45				21	33	45					
0	63	160,000	LOADED BOOM ANGLE 	MANUAL FLY SECTION	SEE NOTES	LOADED BOOM ANGLE 	63	160,000	LOADED BOOM ANGLE 	MANUAL FLY SECTION	SEE NOTES	LOADED BOOM ANGLE 			
1	60	160,000					60	157,100					60	157,100	
2	57	131,600					57	107,200							
3	54	99,400					54	80,800							
4	50	79,500	64	78,800			50	64,400	66	63,800					
5	46	66,000	64	65,400			46	53,300	64	52,700	LOADED BOOM ANGLE 				
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	56	30,000	66	31,400			
10	23	34,400	54	33,900	64	35,300	21	27,400	54	26,900	64	28,200			
11	0	29,200	52	30,700	63	32,000	10	23,100	52	24,300	63	25,600			
12	SEE NOTE (E)		49	28,000	62	29,300	SEE NOTE (E)		49	22,000	62	2,300			
13			47	25,600	60	26,900			47	20,100	60	21,300			
14			45	23,600	59	24,800			45	18,400	59	19,600			
15			42	21,800	57	23,000			42	17,000	57	18,100			
16			39	20,300	56	21,400			39	15,700	56	16,800			
17			36	18,900	54	20,000			36	14,500	54	15,600			
18			33	17,600	52	18,700			33	13,500	52	14,600			
19			30	16,500	51	17,600			30	12,600	51	13,600			
20			26	15,400	49	16,500			26	11,700	49	12,800			
21			22	14,500	47	15,600			22	11,000	47	12,000			
22			16	13,700	46	14,700			16	10,300	46	11,300			
23			0	12,400	44	13,900				8	9,200	44	10,600		
24					42	13,200						42	10,000		
25					40	12,500						40	9,500		
26					38	11,900						38	9,000		
27					36	11,300						36	8,500		
28					33	10,700						33	8,000		
29					31	10,200						31	7,600		
30				28	9,800					28	7,200				
31				26	9,300					26	6,900				
32				22	8,900					22	6,500				
33				19	8,500					19	6,200				
34				14	8,100					14	5,900				
35				0	7,600					7	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)

LOAD RADIUS (FEET FROM FRONT)	110TON MOBILIFT LOAD CHART FOR USE WITH HOOK BLOCK ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B" COUNTERWEIGHT ADDED												MLLC221 11/18/2010			
	FULLY EXTENDED BOOM LENGTH (FEET)						FULLY RETRACTED BOOM LENGTH (FEET)									
	△°	21	33	45	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △	△°	21	33	45	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △				
0	63	160,000	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES			LOADED BOOM ANGLE △	63	160,000	LOADED BOOM ANGLE △			MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △
1	60	160,000			60	160,000		60	160,000							
2	57	160,000			57	160,000		57	160,000							
3	54	159,600	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △	54	124,500	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △				
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	LOADED BOOM ANGLE △	42	70,900	62	70,300	LOADED BOOM ANGLE △	MANUAL FLY SECTION SEE NOTES	LOADED BOOM ANGLE △				
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	56	48,100	66	49,600				
10	21	57,100	54	56,700	64	58,000	21	43,900	54	43,400	64	44,700				
11	0	48,900	52	51,600	63	52,900	0	37,400	52	39,400	63	40,700				
12	SEE NOTE (E)		49	47,300	62	48,600	SEE NOTE (E)		49	36,000	62	37,300				
13			47	43,600	60	44,800			47	33,100	60	34,400				
14			45	40,400	59	41,600			45	30,600	59	31,800				
15			42	37,600	57	38,700			42	28,400	57	29,600				
16			39	35,100	56	36,200			39	26,400	56	27,600				
17			36	32,900	54	34,000			36	24,700	54	25,800				
18			33	30,900	52	32,000			33	23,100	52	24,200				
19			30	29,100	51	30,200			30	21,700	51	22,800				
20			26	27,500	49	28,600			26	20,500	49	21,500				
21			22	26,000	47	27,100			22	19,300	47	20,400				
22			16	24,700	46	25,700			16	18,200	46	19,300				
23			0	22,600	44	24,500			0	16,600	44	18,300				
24			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.		42	23,300			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.		42	17,400	CAUTION! DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.		42	17,400
25					40	22,200					40	16,600				
26					38	21,300					38	15,800				
27					36	20,300					36	15,100				
28	33	19,500			33	14,400										
29	31	18,700			31	13,800										
30	28	18,000			28	13,200										
31	26	17,300			26	12,600										
32	22	16,600			22	12,100										
33	19	16,000			19	11,600										
34	14	15,400			14	11,200										
35	0	14,500			0	10,400										

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 may 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)

LOAD RADIUS		110 TON MOBILIFT LOAD CHART FOR USE WITH HOOK BLOCK ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B," "C" COUNTERWEIGHT ADDED												MLLC222 11/18/2010	
(FEET FROM FRONT)	FULLY EXTENDED BOOM LENGTH (FEET)						FULLY RETRACTED BOOM LENGTH (FEET)								
	△°	21	33	45	MANUAL FLY SECTION SEE NOTES	△°	21	33	45	MANUAL FLY SECTION SEE NOTES					
0	63	160,000	LOADED BOOM ANGLE △	160,000		63	160,000	LOADED BOOM ANGLE △	124,800		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	66	160,000	LOADED BOOM ANGLE △	50	125,400	66	124,800						
5	46	134,600	64	133,900		46	104,600	64	103,900						
6	42	115,300	62	114,700		42	89,400	62	88,900						
7	38	100,700	60	100,200		38	78,000	60	77,400						
8	33	89,300	58	88,800		33	69,000	58	68,500						
9	28	80,100	56	79,600		66	81,000	56	61,300				66	67,200	
10	21	72,500	54	72,000		64	73,400	54	55,400				64	56,700	
11	0	62,300	52	65,700		63	67,000	52	50,400				63	51,700	
12	SEE NOTE (E)		49	60,300	62	61,600	SEE NOTE (E)		49	46,200	62	47,500			
13			47	55,700	60	57,000			47	42,600	60	43,800			
14			45	51,700	59	52,900			45	39,400	59	40,600			
15			42	48,200	57	49,400			42	36,700	57	37,900			
16			39	45,100	56	46,300			39	34,200	56	35,400			
17			36	42,300	54	43,500			36	32,100	54	33,200			
18			33	39,900	52	41,000			33	30,100	52	31,200			
19			30	37,600	51	38,700			30	28,400	51	29,500			
20			26	35,600	49	36,700			26	26,800	49	27,900			
21			22	33,800	47	34,800			22	25,300	47	26,400			
22			16	32,100	46	33,100			16	24,000	46	25,100			
23			0	29,500	44	31,600			0	22,000	44	23,900			
24					42	30,100					42	22,700			
25					40	28,800					40	21,700			
26					38	27,600					38	20,700			
27					36	26,500					36	19,800			
28					33	25,400					33	19,000			
29					31	24,400					31	18,200			
30					28	23,500					28	17,500			
31					26	22,600					26	16,800			
32					22	21,800					22	16,200			
33					19	21,000					19	15,600			
34					14	20,300					14	15,000			
35					0	19,200					0	14,100			

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 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)

LOAD RADIUS		110 TON MOBILIFT LOAD CHART FOR USE WITH HOOK BLOCK ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B," "C," "D" COUNTERWEIGHT ADDED										MLLC223 11/18/2010	
(FEET FROM FRONT)	FULLY EXTENDED BOOM LENGTH (FEET)					FULLY RETRACTED BOOM LENGTH (FEET)							
	△°	21	33	45	MANUAL FLY SECTION SEE NOTES	△°	21	33	45	MANUAL FLY SECTION SEE NOTES			
0	63	160,000	LOADED BOOM ANGLE △	160,000		63	160,000	LOADED BOOM ANGLE △	160,000				
1	60	160,000				60	160,000						
2	57	160,000	SEE NOTES		57	160,000	SEE NOTES						
3	54	160,000			54	160,000							
4	50	160,000	66	160,000	50	152,800	66	152,100	LOADED BOOM ANGLE △				
5	46	160,000	64	160,000	46	127,500	64	126,900					
6	42	140,300	62	139,800	42	109,200	62	108,600	LOADED BOOM ANGLE △				
7	38	122,700	60	122,200	38	95,400	60	94,800					
8	33	108,900	58	108,400	33	84,500	58	84,000	SEE NOTES				
9	28	97,800	56	97,300	28	75,800	56	75,300			66	76,700	
10	21	88,700	54	88,200	64	89,500	54	68,100	64	69,500			
11	0	76,300	52	80,500	63	81,800	0	58,900	52	62,100	63	63,400	
12	SEE NOTE (E)		49	74,100	62	75,300	SEE NOTE (E)		49	57,000	62	58,300	
13			47	68,500	60	69,700			47	52,600	60	53,900	
14			45	63,600	59	64,800		45	48,800	59	50,000		
15			42	59,400	57	60,600		42	45,500	57	46,700		
16			39	55,600	56	56,800		39	42,600	56	43,700		
17			36	52,300	54	53,400		36	39,900	54	41,100		
18			33	49,300	52	50,400		33	37,600	52	38,700		
19			30	46,600	51	47,700		30	35,500	51	36,500		
20			26	44,200	49	45,200		26	33,500	49	34,600		
21			22	41,900	47	43,000		22	31,800	47	32,900		
22			16	39,900	46	40,900		16	30,200	46	31,200		
23			0	36,800	44	39,100		0	27,800	44	29,800		
24					42	37,300				42	28,400		
25					40	35,700				40	27,100		
26					38	34,300				38	26,000		
27					36	32,900				36	24,900		
28					33	31,600				33	23,900		
29					31	30,400				31	23,000		
30					28	29,300				28	22,100		
31					26	28,200				26	21,500		
32					22	27,300				22	20,500		
33					19	26,300				19	19,700		
34					14	25,500				14	19,100		
35					0	24,100				0	18,000		

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 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 may 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.



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110 TON

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

LOAD RADIUS (FEET FROM FRONT)	110 TON MOBILIFT LOAD CHART											MLLC224
	FOR USE WITH HOOK BLOCK ONLY											11/18/2010
	STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B", "C", "D", "E" COUNTERWEIGHT ADDED											
	FULLY EXTENDED					FULLY RETRACTED						
		BOOM LENGTH (FEET)					BOOM LENGTH (FEET)					
		21	33	45			21	33	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		46	151,800	64	151,200			
6	42	160,000	62	160,000	LOADED BOOM ANGLE	42	130,200	62	129,600	LOADED BOOM ANGLE		
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	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.				42	44,900	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.				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

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 may 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)

LOAD RADIUS (FEET FROM FRONT)	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					FULLY RETRACTED					
	△°	BOOM LENGTH (FEET)			△°	BOOM LENGTH (FEET)			△°		
		21	27	33		21	27	33			
			LOADED BOOM ANGLE △°	LOADED BOOM ANGLE △°			LOADED BOOM ANGLE △°	LOADED BOOM ANGLE △°			
0	58	220,463				58	220,463				
1	54	220,463	64	220,463		54	220,463	64	220,463		
2	50	220,463	61	220,463		50	220,463	61	220,463		
3	46	220,463	58	220,463	65	46	220,463	58	220,463	65	213,700
4	42	213,200	55	213,200	63	42	179,600	55	179,500	63	179,500
5	37	192,200	53	192,100	61	37	149,900	53	149,900	61	149,900
6	32	164,900	50	164,800	59	32	128,500	50	128,400	59	128,400
7	25	144,200	47	144,100	56	25	112,200	47	112,200	56	112,100
8	17	128,100	43	127,900	54	17	99,500	43	99,400	54	99,400
9	0	114,900	40	114,900	52	0	89,200	40	89,100	52	89,100
10	SEE NOTE (D)		36	104,200	49	SEE NOTE (D)		36	80,700	49	80,700
11			32	95,200	47			32	73,700	47	73,600
12			28	87,600	44			28	67,700	44	67,600
13			22	81,100	42			22	62,500	42	62,500
14			15	75,400	39			15	58,100	39	58,000
15			0	70,400	36			0	54,100	36	54,100
16	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.					CAUTION! DO NOT EXTEND OR RETRACT COUNTERWEIGHT WITH ANY LOAD SUSPENDED ON HOOK OR FORKS.					
17					32					32	50,600
18					29					29	47,500
19					25					25	44,800
20					20					20	42,300
21					14					14	40,000
					0					0	38,000

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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