

110 TON MOBILFT

LIFT SYSTEMS, INC.



Global Leaders in Specialized Lifting Equipment!



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 (qtv. 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" - atv. (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.

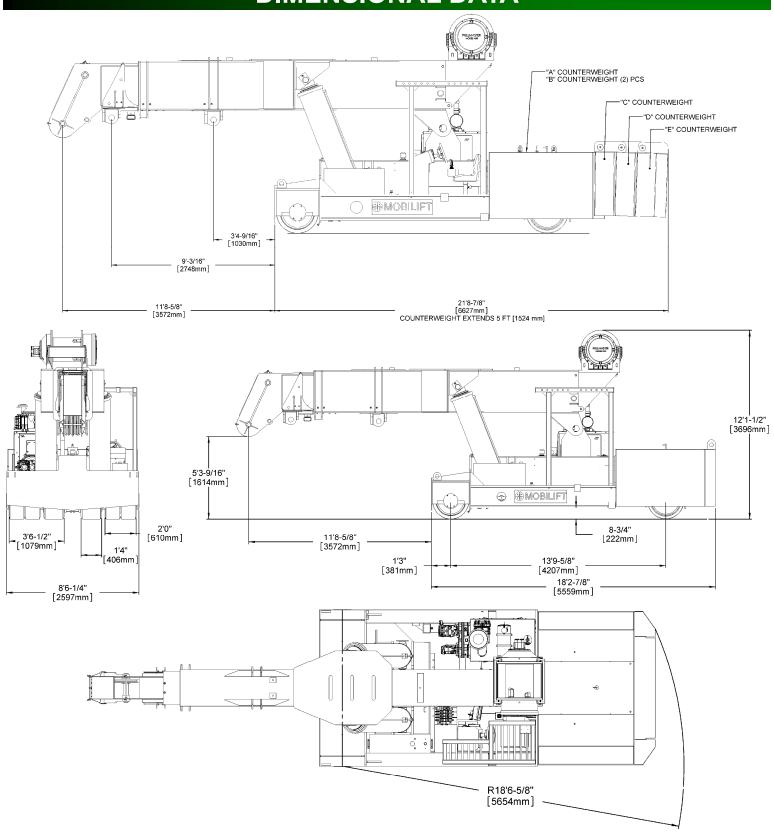
JIB EXTENSION:

Consult factory for available capacities



110 TON

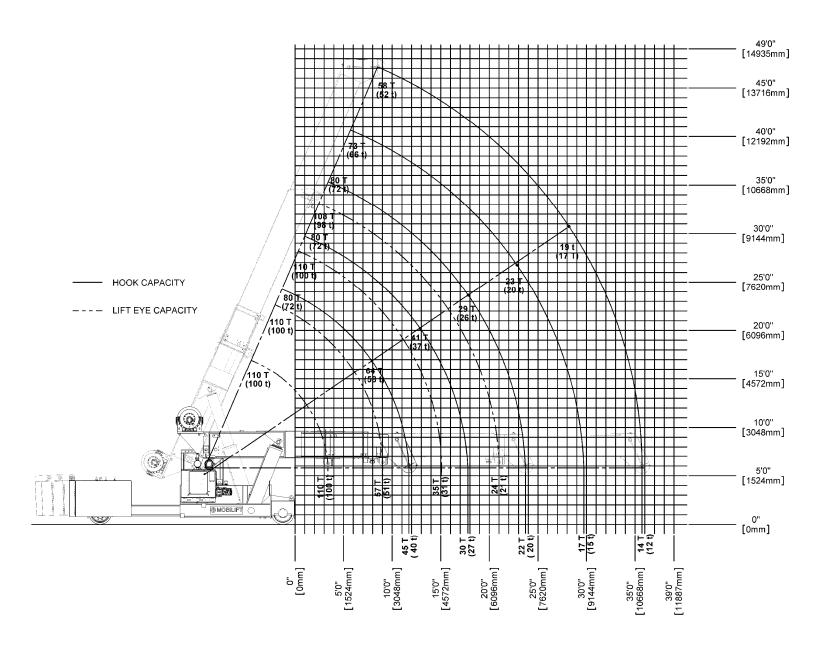
DIMENSIONAL DATA





110 TON

REFERENCE CAPACITY / RANGE DIAGRAM



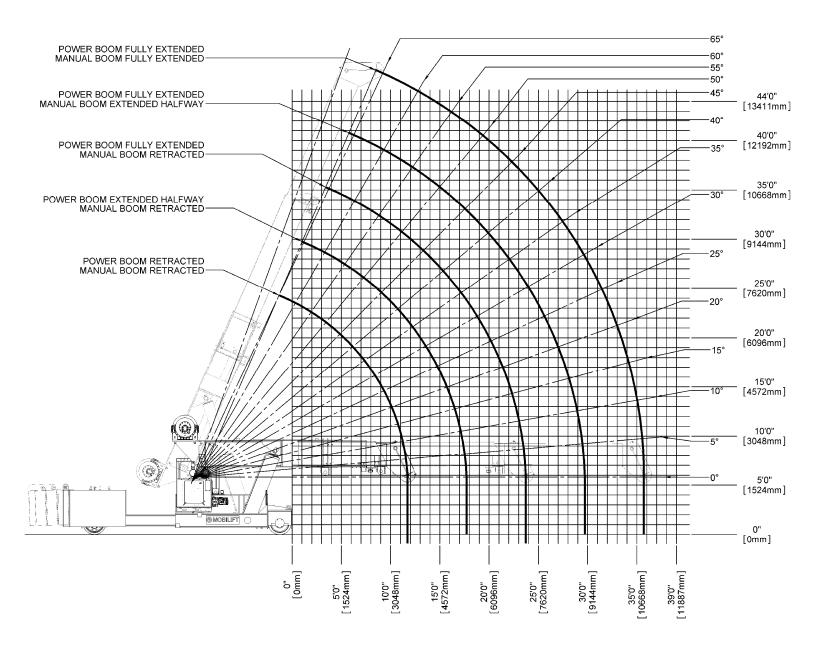
NOTE

- 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.



110 TON

RANGE DIAGRAM



NOTE

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110 TON

LOAD CHARTS FOR "A" COUNTERWEIGHT (HOOK BLOCK)

LOAD					110 TON	MOBILIF	Γ LOAD CH	HART				MLLC220
RADIUS					FOR U	SE WITH HOO	K BLOCK ONLY	,				11/18/2010
					STANDARD NO	N-REMOVABL	E "A" COUNTER	RWEIGHT				
(FEET FROM			FULLY EXTEN	IDED					FULLY DETD	OTER		
FRONT)		FULLY EXTENDED FULLY RETRACTED x° BOOM LENGTH (FEET) x° BOOM LENGTH (FEET)										
FRONT)	\triangle °	21	BOOM LENG!	33		45	\(\tilde{\Pi} \)	21	BOOM LENG	33		45
0	63	160.000	LOADED	33	MANUAL FLY	45	63	160.000	LOADED	33	MANUAL FLY	45
1	60	160,000	BOOM		SECTION		60	157,100	BOOM		SECTION	
2	57	131.600	ANGLE		OLOTION		57	107,100	ANGLE		DECTION	
3	54	99.400	A.O.E.		SEE NOTES		54	80.800	7,000		SEE NOTES	
4	50	79.500	66	78.800	1022.10120		50	64,400	66	63.800	1022110120	
5	46	66,000	64	65,400	LOADED	l	46	53,300	64	52,700	LOADED	1
6	42	56.200	62	55,600	воом		42	45.300	62	44.700	воом	
7	38	48.700	60	48.200	ANGLE		38	39.200	60	38,600	ANGLE	
8	33	42,900	58	42,400			33	34,400	58	33,900	1 A°	
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	1		26	15,400	49	16,500	1		26	11,700	49	12,800
21	1		22	14,500	47	15.600	1		22	11.000	47	12,000
22	_		16	13,700	46	14,700	1		16	10,300	46	11,300
23	4		0	12,400	44	13,900	4		8	9,200	44	10,600
24	4				42	13,200	1				42	10,000
25	NOTES:				40	12,500	WARNING				40	9,500
26 27		CAPACITIES ARE L		. DO NOT	38 36	11,900		IGTHS LESS THAN E RATED LOADS A			38	9,000
		VE THE BOLD LINE		THE	36	11,300		THE COLUMN HE				8,500
28	MACHINE'S HY STABILITY.	DRAULIC OR STR	UCTURAL STRENG	STH AND NOT		10,700	BOOM ANGLES LOWER BOOM	NOT SHOWN USE	RATINGS OF THE	NEXT	33	8,000
30		OW THE BOLD LIN	E ARE BASED ON	85% OF	31 28	10,200 9.800	LOWER BOOM A	ANGLE.			28	7,600 7.200
31	TIPPING.				26	9,800	1				26	6.900
31		S ARE IN POUNDS YLINDER MUST BE		ED AND	26	9,300 8,900	CAUTION! DO NOT EXTENI	D OR RETRACT CO	OUNTERWEIGHT V	WITH ANY	26	6,500
33	AGAINST STO				19	8,900		ED ON HOOK OR			19	6,200
33	+				19	8,500	1				19	5,900
35	+				0	7,600	1				7	5,900
						7,000					1 '	3,400

LOAD CHARTS FOR "A" AND "B" COUNTERWEIGHT (HOOK BLOCK)

LOAD RADIUS					FOR U	SE WITH HOO	LOAD CH					MLLC221 11/18/2010
(FEET			STA	NDARD NON-F	REMOVABLE "A"	COUNTERWE	EIGHT WITH "B"	COUNTERWE	IGHT ADDED			
FROM			FULLY EXTEN	DED					FULLY RETRA	CTED		
FRONT)	× 0											
	△°	21		33		45	∆°	21 33				45
0	63	160.000	LOADED		MANUAL FLY		63	160,000	LOADED		MANUAL FLY	
1	60	160,000	BOOM		SECTION		60	160,000	воом		SECTION	
2	57	160,000	ANGLE				57	160,000	ANGLE			
3	54	159,600	A A		SEE NOTES		54	124,500	A A		SEE NOTES	
4	50	128,200	66	127,600	1		50	99,800	66	99,100	7	
5	46	106,900	64	106,300	LOADED		46	83,000	64	82,400	LOADED	
6	42	91,400	62	90,900	воом		42	70,900	62	70,300	воом	
7	38	79,700	60	79,200	ANGLE		38	61,700	60	61,100	ANGLE	
8	33	70,600	58	70,100	\triangle		33	54,400	58	53,900	\triangle	
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	1		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					42	23,300					42	17,400
25	NOTES:				40	22,200	WARNING				40	16,600
26	A) FLY SECTION	CAPACITIES ARE L		. DO NOT	38	21,300	FOR BOOM LEN		44' WITH FLY SEC		38	15,800
27		DIUS WHEN USING VE THE BOLD LINE		'UE	36	20,300			RE DETERMINED I ADED BY 45' BOOI		36	15,100
28	MACHINE'S HY	DRAULIC OR STR			33	19,500	BOOM ANGLES	NOT SHOWN USE	RATINGS OF THE		33	14,400
29	STABILITY.				31	18,700	LOWER BOOM	ANGLE.			31	13,800
30	C) RATINGS BELI	OW THE BOLD LIN	ARE BASED ON	55% OF	28	18,000]				28	13,200
31		S ARE IN POUNDS			26	17,300	CAUTION				26	12,600
32	E) TELESCOPE C AGAINST STO	YLINDER MUST BE	FULLY RETRACT	ED AND	22	16,600		OR RETRACT CO	OUNTERWEIGHT W	/ITH ANY	22	12,100
33	1				19	16,000	1 20,12 000, 210		0.1110.		19	11,600
34	1				14	15,400	1				14	11,200
35					0	14,500					0	10,400

NOTE:

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110 TON

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

LOAD					110 TON	MOBILIF	Γ LOAD CI	HART				MLLC222
RADIUS							K BLOCK ONLY					11/18/2010
(FEET			STANI	DARD NON-RE	MOVABLE "A" (COUNTERWEI	SHT WITH "B","(C" COUNTERW	EIGHT ADDED)		
FROM			FULLY EXTEN	IDED					FULLY RETRA	CTED		
FRONT)	×0		BOOM LENGT				×0.		BOOM LENGT			
1	△°	21	DOOM LENO!	33		45	△°	21	DOOM ELIVO	33		45
0	63	160.000	LOADED	1	MANUAL FLY		63	160.000	LOADED		MANUAL FLY	
1	60	160.000	воом		SECTION		60	160.000	воом		SECTION	
2	57	160,000	ANGLE				57	160,000	ANGLE			
3	54	160,000	i 🛆°		SEE NOTES		54	156,200	l 🛆°		SEE NOTES	
4	50	160,000	66	160,000	1		50	125,400	66	124,800	1	
5	46	134,600	64	133,900	LOADED	ĺ	46	104,600	64	103,900	LOADED	
6	42	115,300	62	114,700	воом		42	89,400	62	88,900	воом	
7	38	100,700	60	100,200	ANGLE		38	78,000	60	77,400	ANGLE	
8	33	89,300	58	88,800	1 <i>4</i>		33	69,000	58	68,500	1 4	
9	28	80,100	56	79,600	66	81,000	28	61,800	56	61,300	66	67,200
10	21	72,500	54	72,000	64	73,400	21	55,800	54	55,400	64	56,700
11	0	62,300	52	65,700	63	67,000	0	47,800	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	1		30	28,400	51	29,500
20	1		26	35,600	49	36,700	1		26	26,800	49	27,900
21			22	33,800	47	34.800	1		22	25.300	47	26.400
22	_		16	32,100	46	33,100	1		16	24,000	46	25,100
23	1		0	29,500	44	31,600	1		0	22,000	44	23,900
24	-				42	30,100	1				42	22,700
25	NOTES:				40	28,800	WARNING				40	21,700
26		CAPACITIES ARE L	IMITED BY ANGLE	. DO NOT	38	27,600			45' WITH FLY SEC		38	20,700
27			EARE BASED ON T	HE	36	26,500			RE DETERMINED I ADED BY 45' BOOI		36	19,800
28		DRAULIC OR STR	UCTURAL STRENG	TON DNA HTE	33	25,400	BOOM ANGLES I	NOT SHOWN USE	RATINGS OF THE		33	19,000
29	STABILITY.	W THE BOLD LIN	E ARE BASED ON	85% OF	31	24,400	LOWER BOOM A	NGLE.			31	18,200
30	TIPPING.				28	23,500	1				28	17,500
31		S ARE IN POUNDS	S. E FULLY RETRACT	ED AND	26	22,600	CAUTION!	OB BETBACT CO	OUNTERWEIGHT W	STU ANY	26	16,800
32	AGAINST STO		- FOLLI RETRACT	ED AND	22	21,800		ED ON HOOK OR F		III ANI	22	16,200
33	4				19	21,000	-				19	15,600
34	4				14	20,300	1				14	15,000
35	1				1 0	19,200					0	14,100

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

LOAD												MLLC223
RADIUS					110 TON	MOBILIF [*]	Γ LOAD CI	HART				MLLC223
RADIUS							K BLOCK ONLY					11/18/2010
(FEET			STANDA	RD NON-REM	OVABLE "A" CC	DUNTERWEIGH	HT WITH "B","C"	,"D" COUNTER	WEIGHT ADDE	ΞD		
FROM			EULLY EVTEN	DED					CULLY DETDA	CTED		
FRONT)				JILLY EXTENDED FULLY RETRACTED DOM LENGTH (FEET) O BOOM LENGTH (FEET)								
FRONT)	\triangle °	21	BOOM LENG!	33 45				21	BOOM LENG!	33		45
0	63	160,000	LOADED	33	MANUAL FLY	45	63	160,000	LOADED	33 T	MANUAL FLY	40
1	60	160,000	BOOM		SECTION		60	160,000	BOOM		SECTION	
2	57	160,000	ANGLE		SECTION		57	160,000	ANGLE		SECTION	
3	54	160,000	ANGLE		SEE NOTES		54	160,000	ANGLE		SEE NOTES	
4	50	160,000	66	160.000	JOEE NOTES		50	152.800	66	152,100	- SEE NOTES	
5	46	160,000	64	160,000	LOADED	1	46	127.500	64	126,900	LOADED	
6	42	140,300	62	139,800	BOOM		42	109,200	62	108,600	BOOM	
7	38	122,700	60	122,200	ANGLE		38	95,400	60	94.800	ANGLE	
8	33	108.900	58	108,400			33	84.500	58	84.000	1 2	
9	28	97.800	56	97.300	66	98.700	28	75.800	56	75.300	66	76.700
10	21	88,700	54	88,200	64	89,500	21	68,500	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)	10,000	49	74,100	62	75.300	SEE NOTE (E)		49	57.000	62	58.300
13	1		47	68.500	60	69.700	1		47	52.600	60	53.900
14	†		45	63,600	59	64.800	1		45	48.800	59	50,000
15	1		42	59.400	57	60,600	1		42	45.500	57	46.700
16	†		39	55.600	56	56.800	1		39	42.600	56	43.700
17			36	52.300	54	53,400	1		36	39.900	54	41,100
18	1		33	49,300	52	50,400	1		33	37,600	52	38,700
19	1		30	46,600	51	47,700	1		30	35,500	51	36,500
20	1		26	44,200	49	45,200	1		26	33,500	49	34,600
21	1		22	41,900	47	43,000	1		22	31,800	47	32,900
22	1		16	39,900	46	40,900	1		16	30,200	46	31,200
23			0	36,800	44	39,100]		0	27,800	44	29,800
24					42	37,300	1				42	28,400
25	NOTES:				40	35,700	WARNING				40	27,100
26	A) FLY SECTION	CAPACITIES ARE L		. DO NOT	38	34,300		GTHS LESS THAN	44' WITH FLY SEC	TION	38	26,000
27		DIUS WHEN USING			36	32,900			RE DETERMINED I		36	24,900
28		VE THE BOLD LINE 'DRAULIC OR STRI			33	31,600			ADED BY 45' BOOF RATINGS OF THE		33	23,900
29	STABILITY.				31	30,400	LOWER BOOM				31	23,000
30	C) RATINGS BELO TIPPING.	OW THE BOLD LINE	ARE BASED ON	55% OF	28	29,300]				28	22,100
31	D) ALL CAPACITI	S ARE IN POUNDS			26	28,200	CAUTION!				26	21,500
32	E) TELESCOPE C AGAINST STO	YLINDER MUST BE	FULLY RETRACT	ED AND	22	27,300		O OR RETRACT CO	OUNTERWEIGHT W	TH ANY	22	20,500
33	AGAINST STO	0.			19	26,300	LOAD SUSPEND	ED ON HOOK OR I	ORNO.		19	19,700
34	1				14	25,500	1				14	19,100
35					0	24,100					0	18,000

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110 TON

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

LOAD	110 TON MOBILIFT LOAD CHART											MLLC224
RADIUS							K BLOCK ONLY					11/18/2010
			STANDAR	D NON-REMO	VABLE "A" COU	NTERWEIGHT	WITH "B","C","E	D", "E" COUNTE	RWEIGHT AD	DED		
(FEET												
FROM			FULLY EXTEN	IDED					FULLY RETRA	CTED		
FRONT)	∠°		BOOM LENGT	H (FEET)			\angle °		BOOM LENGT	H (FEET)		
		21		33		45	<u></u> ← →	21		33		45
0	63	160,000	LOADED		MANUAL FLY		63	160,000	LOADED		MANUAL FLY	
1	60	160,000	воом		SECTION		60	160,000	воом		SECTION	
2	57	160,000	ANGLE				57	160,000	ANGLE			
3	54	160,000	\triangle		SEE NOTES		54	160,000	\triangle		SEE NOTES	
4	50	160,000	66	160,000		_	50	160,000	66	160,000		
5	46	160,000	64	160,000	LOADED		46	151,800	64	151,200	LOADED	
6	42	160,000	62	160,000	воом		42	130,200	62	129,600	воом	
7	38	145,800	60	145,300	ANGLE		38	113,800	60	113,300	ANGLE	
8	33	129,500	58	129,000	7 4		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	1		47	81,800	60	83,100	1		47	63,300	60	64,500
14	1		45	76,100	59	77,300	1		45	58,800	59	60,000
15	1		42	71,100	57	72,300	1		42	54,900	57	56,000
16	1		39	66,700	56	67,800	1		39	51,400	56	52,500
17	1		36	62,700	54	63,900	1		36	48,300	54	49,400
18	1		33	59,200	52	60,300	1		33	45,500	52	46,600
19	1		30	56,000	51	57,100	1		30	43,000	51	44,100
20	1		26	53,100	49	54,200	1		26	40,700	49	41,800
21	1		22	50,500	47	51,600	1		22	38,600	47	39,700
22	1		16	48,100	46	49,100	1		16	36,700	46	37,800
23	1		0	44,400	44	46,900	1		0	33,900	44	36,000
24	1				42	44,900	1				42	34,400
25	1				40	43,000	1				40	32,900
26	NOTES:	CAPACITIES ARE I	IMITED BY ANGLE	DO NOT	38	41,300	WARNING FOR BOOM LEN	GTHS LESS THAN	AA' WITH ELV SEC	TION	38	31,600
27	USE LOAD RA	DIUS WHEN USING	FLY SECTION.		36	39,600		E RATED LOADS A			36	30,300
28		IVE THE BOLD LINE YDRAULIC OR STR			33	38,100		THE COLUMN HE			33	29,100
29	STABILITY.	TURAULIC OR STR	UCTURAL STRENC	JIH AND NOT	31	36,700	LOWER BOOM A	NOT SHOWN USE ANGLE.	KATINGS OF THE	NEXI	31	28,000
30		OW THE BOLD LIN	E ARE BASED ON	85% OF	28	35,400	1				28	26,900
31	TIPPING.	ES ARE IN POUND	S		26	34,100	CAUTION!				26	26,000
32	E) TELESCOPE C	CYLINDER MUST BE		ED AND	22	33.000	DO NOT EXTEND	OR RETRACT CO		/ITH ANY	22	25,000
33	AGAINST STO	PS.			19	31.900	LOAD SUSPEND	ED ON HOOK OR F	ORKS.		19	24,200
34	1				14	30,900	1				14	23,400
35	1				0	29.200	1				0	22,100
33						29,200					U U	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 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.



110 TON

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

LOAD					110 TON	MOBILIF.	T LOAD CH	HART				MLLC234
RADIUS	FOR USE WITH POWER BOOM LIFT EYE ONLY											11/19/201
			STANDAR	D NON-REMO\			WITH "B","C","E		ERWEIGHT AD	DED		
(FEET												
FROM	FULLY EXTENDED FULLY RETRACTED											
FRONT)	∠°		BOOM LENGT	,			∠°	BOOM LENGTH (FEET)				
		21		27		33	\longrightarrow	21		27		33
			LOADED						LOADED			
			воом						воом	l .		
			ANGLE		LOADED				ANGLE		LOADED	
0	58	220,463	\triangle		воом		58	220,463	\triangle		воом	
1	54	220,463	64	220,463	ANGLE		54	220,463	64	220,463	ANGLE	
2	50	220,463	61	220,463	\triangle		50	220,463	61	220,463	\triangle	
3	46	220,463	58	220,463	65	213,700	46	220,463	58	220,463	65	213,700
4	42	213,200	55	213,200	63	203,300	42	179,600	55	179,500	63	179,500
5	37	192,200	53	192,100	61	192,100	37	149,900	53	149,900	61	149,900
6	32	164,900	50	164,800	59	164,800	32	128,500	50	128,400	59	128,400
7	25	144,200	47	144,100	56	144,100	25	112,200	47	112,200	56	112,100
8	17	128,100	43	127,900	54	127,900	17	99,500	43	99,400	54	99,400
9	0	114,900	40	114,900	52	114,900	0	89,200	40	89,100	52	89,100
10	SEE NOTE (D)		36	104,200	49	104,100	SEE NOTE (D)		36	80,700	49	80,700
11			32	95,200	47	95,200			32	73,700	47	73,600
12			28	87,600	44	87,600	7		28	67,700	44	67,600
13	1		22	81,100	42	81,000	1		22	62,500	42	62,500
14			15	75,400	39	75,300	7		15	58,100	39	58,000
15	1		0	70,400	36	70,300	1		0	54,100	36	54,100
16	NOTES:			-	32	65,900	7				32	50,600
17		OVE THE BOLD LIN	E ARE BASED ON	THE	29	62,000	7				29	47,500
18			RUCTURAL STREN	GTH AND	25	58,500	CAUTION!				25	44,800
19	NOT STABILITY. B) RATINGS BEL		IE ARE BASED ON	85% OF	20	55,300			OUNTERWEIGHT W	ITH ANY	20	42,300
20	TIPPING.				14	52,500	LOAD SUSPEND	ED ON HOOK OR I	FORKS.		14	40,000
21		IES ARE IN POUND)S. E FULLY RETRACT	ED AND	0	49,800	7				0	38,000
	AGAINST STO		LI OLLI KLIKACI	LD AND		•	7			'		•

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.

LIFT SYSTEMS, INC.

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