100 TONNE MOBILIFT

by

LIFT SYSTEMS, INC.

Global Leaders in Specialized

Lifting Equipment!

MOBILIFT

100 TONNE

STANDARD EQUIPMENT

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

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: 711 mm
Width: (2) @ 610 mm and (2) @ 406 mm
Rear: qty. (2)
Diameter: 711 mm
Width: 406 mm
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: 44.5 kg/cm^2 maximum
Unloaded Rear Tires: 35.3 kg/cm^2 maximum

TRAVEL SPEED UNLOADED:
Travel Mode - High Gear = 0.0 to 2.73 km/h
Travel Mode - Low Gear = 0.0 to 1.38 km/h
Work Mode - Low Gear = 0.0 to 0.67 km/h

TELESCOPING COUNTERWEIGHT:
Standard counterweight section telescopes 1524 mm using (2) hydraulic cylinders. Push button control.

HYDRAULIC RESERVOIR:
757 liters (200 gallons)

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 100 tonne capacity.

WINCH:
Two speed high performance hydraulic winch. Integral, full capacity load brake. Wide, low profile drum.
152 m - 25.4 mm wire rope capacity.

WEIGHT:
26,400 kg
Standard “A” counterweight included

COUNTERWEIGHTS:
“A” - non-removable counterweight installed in unit
“B” - qty. (2) - 3,501 kg each. - 7002 kg total
“C” - qty. (1) - 4,175 kg
“D” - qty. (1) - 4,175 kg
“E” - qty. (1) - 4,175 kg

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.

100 TONNE SPINNER:
Allows for 360 degree rotation of load from picking eye.

EXHAUST PURFIER:
Reduces diesel particulate matter.

JIB EXTENSION:
Consult factory for available capacities

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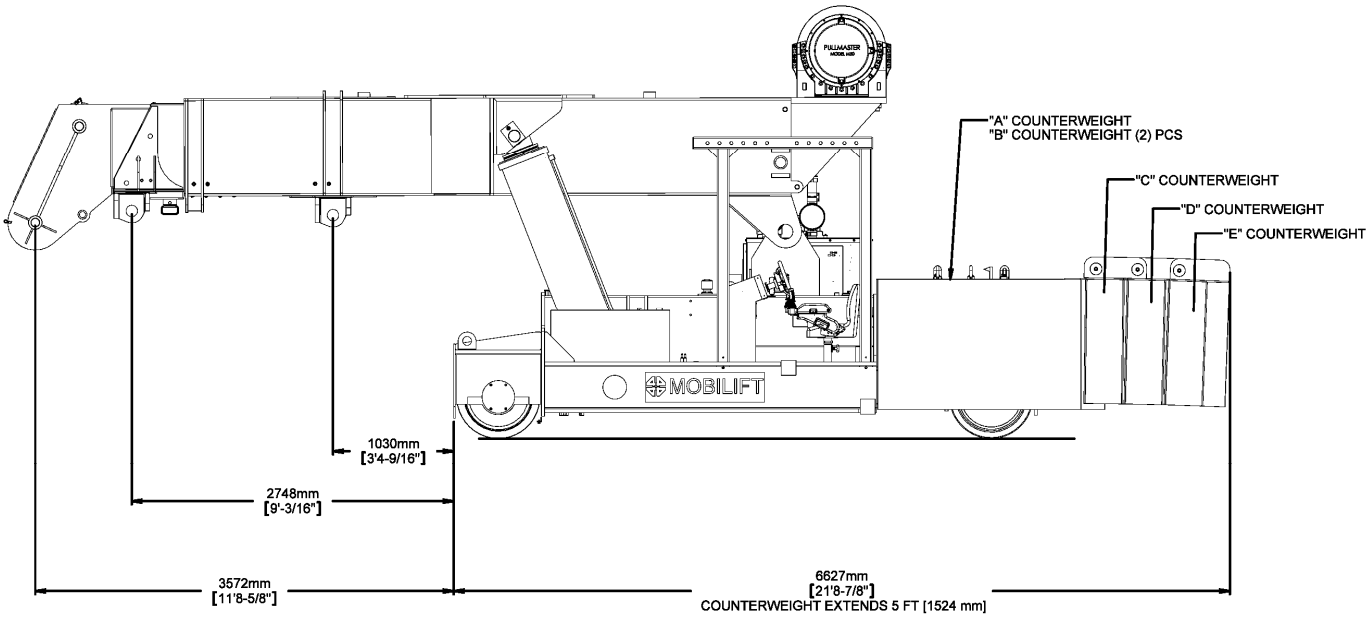
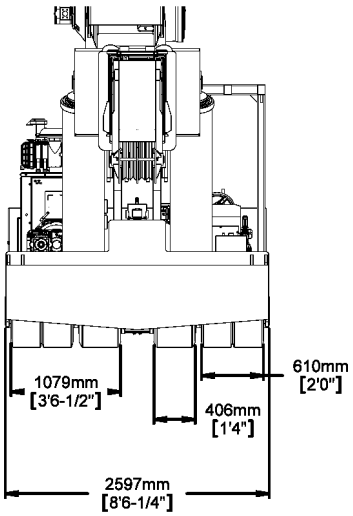
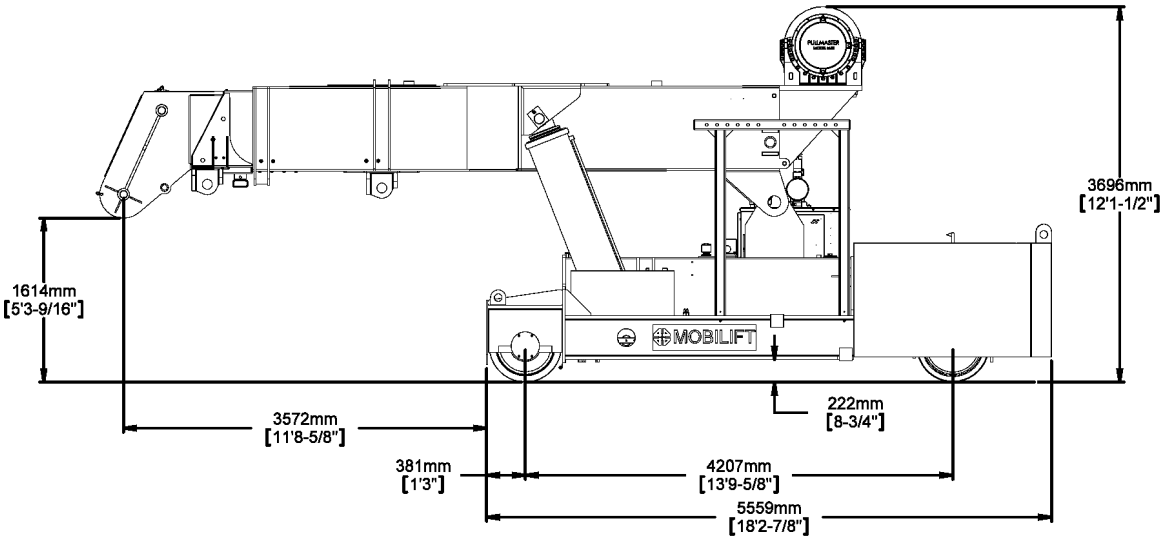
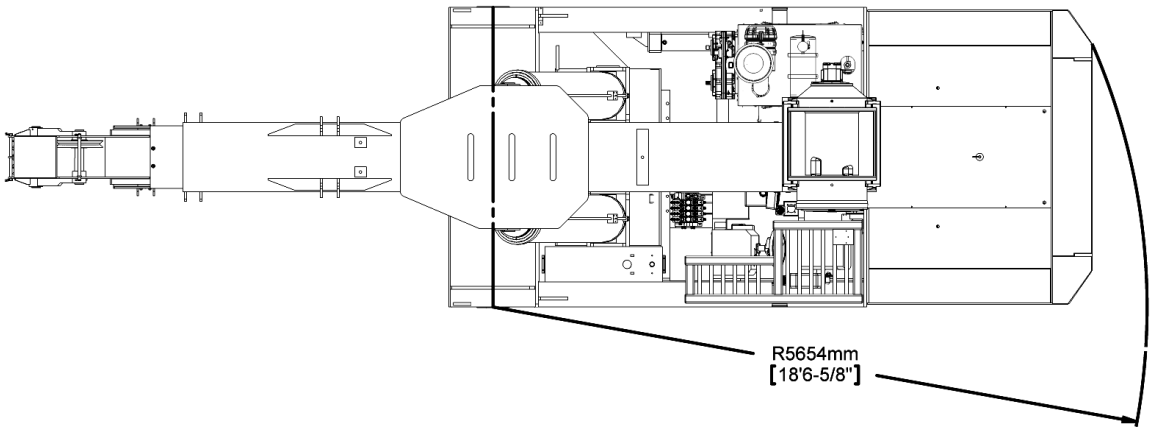
DIMENSIONAL DATA









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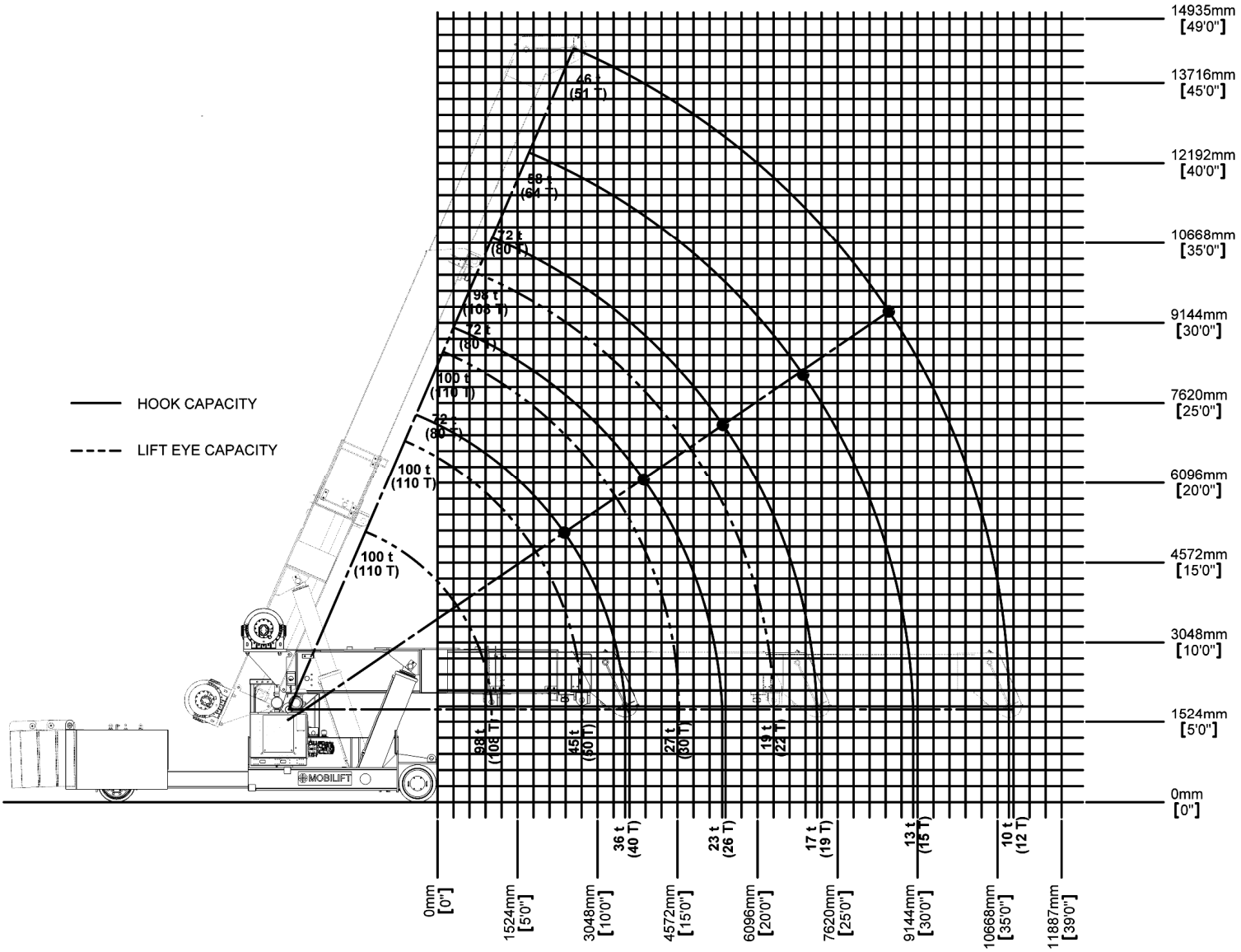
REFERENCE CAPACITY / RANGE DIAGRAM



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.**

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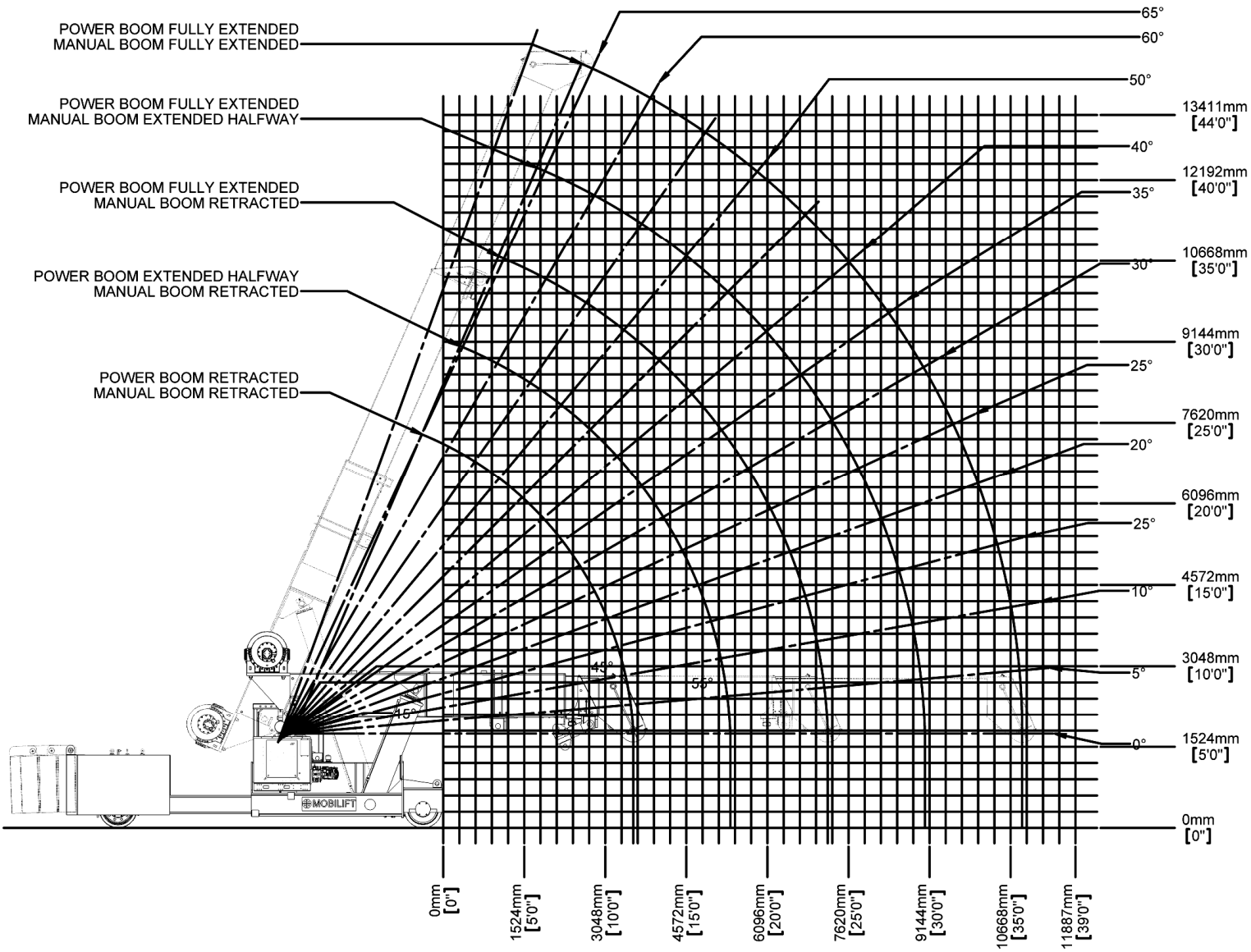
RANGE DIAGRAM



NOTE

1. **The above chart is for reference purposes only.**
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MOBILIFT

100 TONNE

LOAD CHARTS FOR “A” COUNTERWEIGHT (HOOK BLOCK)

100 TONNE MOBILIFT LOAD CHART

MLLC225 1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED BOOM LENGTH (METERS) 6.4		10		13.7		FULLY RETRACTED BOOM LENGTH (METERS) 6.4		10		13.7	
	∠°		LOADED BOOM ANGLE ∠°		MANUAL FLY SECTION SEE NOTES		∠°		LOADED BOOM ANGLE ∠°		MANUAL FLY SECTION SEE NOTES	
0.0	63	72,500					63	72,500				
0.3	60	72,500					60	71,200				
0.6	57	59,600					57	48,600				
0.9	54	45,000					54	36,600				
1.2	50	36,000	66	35,700			50	29,200	66	28,900		
1.5	46	29,900	64	29,600			46	24,100	64	23,900		
1.8	42	25,400	62	25,200			42	20,500	62	20,200		
2.1	38	22,000	60	21,800			38	17,700	60	17,500		
2.4	33	19,400	58	19,200			33	15,600	58	15,300		
2.7	28	17,300	56	17,100	66	17,700	28	13,800	56	13,600	66	14,200
3.0	23	15,600	54	15,300	64	16,000	23	12,400	54	12,200	64	12,700
3.3	0	13,200	52	13,900	63	14,500	0	10,400	52	11,000	63	11,600
3.6	SEE NOTE (E)		49	12,700	62	13,200	SEE NOTE (E)		49	9,900	62	1,000
3.9			47	11,600	60	12,200			47	9,100	60	9,600
4.2			45	10,700	59	11,200			45	8,300	59	8,800
4.5			42	9,800	57	10,400			42	7,700	57	8,200
4.8			39	9,200	56	9,700			39	7,100	56	7,600
5.1			36	8,500	54	9,000			36	6,500	54	7,000
5.4			33	7,900	52	8,400			33	6,100	52	6,600
5.7			30	7,400	51	7,900			30	5,700	51	6,100
6.0			26	6,900	49	7,400			26	5,300	49	5,800
6.4			22	6,500	47	7,000			22	4,900	47	5,400
6.7			16	6,200	46	6,600			16	4,600	46	5,100
7.0			0	5,600	44	6,300			0	4,100	44	4,800
7.3					42	5,900					42	4,500
7.6					40	5,600					40	4,300
7.9					38	5,300					38	4,000
8.2					36	5,100					36	3,800
8.5					33	4,800					33	3,600
8.8					31	4,600					31	3,400
9.1					28	4,400					28	3,200
9.4					26	4,200					26	3,100
9.7					22	4,000					22	2,900
10.0					19	3,800					19	2,800
10.3					14	3,600					14	2,600
10.6					0	3,400					0	2,400

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 KILOGRAMS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 13.4M WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 13.4M 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)

100 TONNE MOBILIFT LOAD CHART

MLLC226 1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED BOOM LENGTH (METERS) 6.4		10		13.7		FULLY RETRACTED BOOM LENGTH (METERS) 6.4		10		13.7	
	∠°		LOADED BOOM ANGLE ∠°		MANUAL FLY SECTION SEE NOTES		∠°		LOADED BOOM ANGLE ∠°		MANUAL FLY SECTION SEE NOTES	
0.0	63	72,500					63	72,500				
0.3	60	72,500					60	72,500				
0.6	57	72,500					57	72,500				
0.9	54	72,300					54	56,400				
1.2	50	58,100	66	57,800			50	45,200	66	44,900		
1.5	46	48,400	64	48,200			46	37,600	64	37,300		
1.8	42	41,400	62	41,200			42	32,100	62	31,800		
2.1	38	36,100	60	35,900			38	27,900	60	27,700		
2.4	33	32,000	58	31,700			33	24,600	58	24,400		
2.7	28	28,600	56	28,400	66	29,000	28	22,000	56	21,800	66	22,400
3.0	21	25,900	54	25,700	64	26,300	21	19,900	54	19,600	64	20,200
3.3	0	22,100	52	23,400	63	23,900	0	16,900	52	17,800	63	18,400
3.6	SEE NOTE (E)		49	21,400	62	22,000	SEE NOTE (E)		49	16,300	62	16,900
3.9			47	19,700	60	20,300			47	15,000	60	15,600
4.2			45	18,300	59	18,800			45	13,800	59	14,400
4.5			42	17,000	57	17,500			42	12,800	57	13,400
4.8			39	15,900	56	16,400			39	11,900	56	12,500
5.1			36	14,900	54	15,400			36	11,200	54	11,700
5.4			33	14,000	52	14,500			33	10,400	52	10,900
5.7			30	13,100	51	13,600			30	9,800	51	10,300
6.0			26	12,400	49	12,900			26	9,200	49	9,700
6.4			22	11,700	47	12,200			22	8,700	47	9,200
6.7			16	11,200	46	11,600			16	8,200	46	8,700
7.0			0	10,200	44	11,100			0	7,500	44	8,300
7.3					42	10,500					42	7,800
7.6					40	10,000					40	7,500
7.9					38	9,600					38	7,100
8.2					36	9,200					36	6,800
8.5					33	8,800					33	6,500
8.8					31	8,400					31	6,200
9.1					28	8,100					28	5,900
9.4					26	7,800					26	5,700
9.7					22	7,500					22	5,400
10.0					19	7,200					19	5,200
10.3					14	6,900					14	5,000
10.6					0	6,500					0	4,700

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 KILOGRAMS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 13.4M WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 13.4M 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 metric 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

100 TONNE

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

100 TONNE MOBILIFT LOAD CHART

MLLC227 1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED BOOM LENGTH (METERS) 6.4	10	13.7	FULLY RETRACTED BOOM LENGTH (METERS) 6.4	10	13.7
0.0	63 / 72,500	LOADED BOOM ANGLE	MANUAL FLY SECTION	63 / 72,500	LOADED BOOM ANGLE	MANUAL FLY SECTION
0.3	60 / 72,500			60 / 72,500		
0.6	57 / 72,500			57 / 72,500		
0.9	54 / 72,500		SEE NOTES	54 / 70,800		SEE NOTES
1.2	50 / 72,500	66 / 72,500		50 / 56,800	66 / 56,600	
1.5	46 / 61,000	64 / 60,700	LOADED BOOM ANGLE	46 / 47,400	64 / 47,100	LOADED BOOM ANGLE
1.8	42 / 52,200	62 / 52,000		42 / 40,500	62 / 40,300	
2.1	38 / 45,600	60 / 45,400		38 / 35,300	60 / 35,100	
2.4	33 / 40,500	58 / 40,200		33 / 31,200	58 / 31,000	
2.7	28 / 36,300	56 / 36,100	66 / 36,700	28 / 28,000	56 / 27,800	66 / 30,400
3.0	21 / 32,800	54 / 32,600	64 / 33,200	21 / 25,300	54 / 25,100	64 / 25,700
3.3	0 / 28,200	52 / 29,800	63 / 30,300	0 / 21,600	52 / 22,800	63 / 23,400
3.6	SEE NOTE (E)	49 / 27,300	62 / 27,900	SEE NOTE (E)	49 / 20,900	62 / 21,500
3.9		47 / 25,200	60 / 25,800		47 / 19,300	60 / 19,800
4.2		45 / 23,400	59 / 23,900		45 / 17,800	59 / 18,400
4.5		42 / 21,800	57 / 22,400		42 / 16,600	57 / 17,100
4.8		39 / 20,400	56 / 21,000		39 / 15,500	56 / 16,000
5.1		36 / 19,100	54 / 19,700		36 / 14,500	54 / 15,000
5.4		33 / 18,000	52 / 18,500		33 / 13,600	52 / 14,100
5.7		30 / 17,000	51 / 17,500		30 / 12,800	51 / 13,300
6.0		26 / 16,100	49 / 16,600		26 / 12,100	49 / 12,600
6.4		22 / 15,300	47 / 15,700		22 / 11,400	47 / 11,900
6.7		16 / 14,500	46 / 15,000		16 / 10,800	46 / 11,300
7.0		0 / 13,300	44 / 14,300		0 / 9,900	44 / 10,800
7.3			42 / 13,600			42 / 10,200
7.6			40 / 13,000			40 / 9,800
7.9			38 / 12,500			38 / 9,300
8.2			36 / 12,000			36 / 8,900
8.5			33 / 11,500			33 / 8,600
8.8			31 / 11,000			31 / 8,200
9.1			28 / 10,600			28 / 7,900
9.4			26 / 10,200			26 / 7,600
9.7			22 / 9,800			22 / 7,300
10.0			19 / 9,500			19 / 7,000
10.3			14 / 9,200			14 / 6,800
10.6			0 / 8,700			0 / 6,300

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 KILOGRAMS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 13.4M WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 13.4M 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)

100 TONNE MOBILIFT LOAD CHART

MLLC228 1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED BOOM LENGTH (METERS) 6.4	10	13.7	FULLY RETRACTED BOOM LENGTH (METERS) 6.4	10	13.7
0.0	63 / 72,500	LOADED BOOM ANGLE	MANUAL FLY SECTION	63 / 72,500	LOADED BOOM ANGLE	MANUAL FLY SECTION
0.3	60 / 72,500			60 / 72,500		
0.6	57 / 72,500			57 / 72,500		
0.9	54 / 72,500		SEE NOTES	54 / 72,500		SEE NOTES
1.2	50 / 72,500	66 / 72,500		50 / 69,300	66 / 68,900	
1.5	46 / 72,500	64 / 72,500	LOADED BOOM ANGLE	46 / 57,800	64 / 57,500	LOADED BOOM ANGLE
1.8	42 / 63,600	62 / 63,400		42 / 49,500	62 / 49,200	
2.1	38 / 55,600	60 / 55,400		38 / 43,200	60 / 43,000	
2.4	33 / 49,300	58 / 49,100		33 / 38,300	58 / 38,100	
2.7	28 / 44,300	56 / 44,100	66 / 44,700	28 / 34,300	56 / 34,100	66 / 34,700
3.0	21 / 40,200	54 / 40,000	64 / 40,500	21 / 31,000	54 / 30,800	64 / 31,500
3.3	0 / 34,600	52 / 36,500	63 / 37,100	0 / 26,700	52 / 28,100	63 / 28,700
3.6	SEE NOTE (E)	49 / 33,600	62 / 34,100	SEE NOTE (E)	49 / 25,800	62 / 26,400
3.9		47 / 31,000	60 / 31,600		47 / 23,800	60 / 24,400
4.2		45 / 28,800	59 / 29,300		45 / 22,100	59 / 22,600
4.5		42 / 26,900	57 / 27,400		42 / 20,600	57 / 21,100
4.8		39 / 25,200	56 / 25,700		39 / 19,300	56 / 19,800
5.1		36 / 23,700	54 / 24,200		36 / 18,000	54 / 18,600
5.4		33 / 22,300	52 / 22,800		33 / 17,000	52 / 17,500
5.7		30 / 21,100	51 / 21,600		30 / 16,100	51 / 16,500
6.0		26 / 20,000	49 / 20,500		26 / 15,100	49 / 15,600
6.4		22 / 19,000	47 / 19,500		22 / 14,400	47 / 14,900
6.7		16 / 18,000	46 / 18,500		16 / 13,600	46 / 14,100
7.0		0 / 16,600	44 / 17,700		0 / 12,600	44 / 13,500
7.3			42 / 16,900			42 / 12,800
7.6			40 / 16,100			40 / 12,200
7.9			38 / 15,500			38 / 11,700
8.2			36 / 14,900			36 / 11,200
8.5			33 / 14,300			33 / 10,800
8.8			31 / 13,700			31 / 10,400
9.1			28 / 13,200			28 / 10,000
9.4			26 / 12,700			26 / 9,700
9.7			22 / 12,300			22 / 9,200
10.0			19 / 11,900			19 / 8,900
10.3			14 / 11,500			14 / 8,600
10.6			0 / 10,900			0 / 8,100

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 KILOGRAMS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 13.4M WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 13.4M 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 metric 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

100 TONNE

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

100 TONNE MOBILIFT LOAD CHART

MLLC229
1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED						FULLY RETRACTED					
	∠°	BOOM LENGTH (METERS) 6.4	10		13.7		∠°	BOOM LENGTH (METERS) 6.4	10		13.7	
0.0	63	72,500	LOADED		MANUAL FLY		63	72,500	LOADED		MANUAL FLY	
0.3	60	72,500	BOOM		SECTION		60	72,500	BOOM		SECTION	
0.6	57	72,500	ANGLE ∠°				57	72,500	ANGLE ∠°			
0.9	54	72,500			SEE NOTES		54	72,500			SEE NOTES	
1.2	50	72,500	66	72,500			50	72,500	66	72,500		
1.5	46	72,500	64	72,500	LOADED		46	68,800	64	68,500	LOADED	
1.8	42	72,500	62	72,500	BOOM		42	59,000	62	58,700	BOOM	
2.1	38	66,100	60	65,900	ANGLE ∠°		38	51,600	60	51,300	ANGLE ∠°	
2.4	33	58,700	58	58,500			33	45,800	58	45,500		
2.7	28	52,700	56	52,500	66	53,200	28	41,000	56	40,800	66	41,500
3.0	21	47,800	54	47,600	64	48,300	21	37,200	54	37,000	64	37,600
3.3	0	41,200	52	43,500	63	44,100	0	32,000	52	33,700	63	34,300
3.6	SEE NOTE (E)		49	40,000	62	40,600	SEE NOTE (E)		49	31,000	62	31,600
3.9			47	37,100	60	37,600			47	28,700	60	29,200
4.2			45	34,500	59	35,000			45	26,600	59	27,200
4.5			42	32,200	57	32,700			42	24,900	57	25,400
4.8			39	30,200	56	30,700			39	23,300	56	23,800
5.1			36	28,400	54	28,900			36	21,900	54	22,400
5.4			33	26,800	52	27,300			33	20,600	52	21,100
5.7			30	25,400	51	25,900			30	19,500	51	20,000
6.0			26	24,000	49	24,500			26	18,400	49	18,900
6.4			22	22,900	47	23,400			22	17,500	47	18,000
6.7			16	21,800	46	22,200			16	16,600	46	17,100
7.0			0	20,100	44	21,200			0	15,300	44	16,300
7.3					42	20,300					42	15,600
7.6					40	19,500					40	14,900
7.9					38	18,700					38	14,300
8.2					36	17,900					36	13,700
8.5					33	17,200					33	13,100
8.8					31	16,600					31	12,700
9.1					28	16,000					28	12,200
9.4					26	15,400					26	11,700
9.7					22	14,900					22	11,300
10.0					19	14,400					19	10,900
10.3					14	14,000					14	10,600
10.6					0	13,200					0	10,000

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 KILOGRAMS.
E) TELESCOPE CYLINDER MUST BE FULLY RETRACTED AND AGAINST STOPS.

WARNING
FOR BOOM LENGTHS LESS THAN 13.7M WITH FLY SECTION EXTENDED, THE RATED LOADS ARE DETERMINED BY BOOM ANGLE ONLY, IN THE COLUMN HEADED BY 13.4M 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 metric 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

100 TONNE

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

100 TONNE MOBILIFT LOAD CHART

MLLC239
1/13/2011

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

LOAD RADIUS (METERS FROM FRONT)	FULLY EXTENDED						FULLY RETRACTED					
	BOOM LENGTH (METERS)						BOOM LENGTH (METERS)					
		6.4	8.2		10			6.4	8.2		10	
			LOADED BOOM ANGLE		LOADED BOOM ANGLE				LOADED BOOM ANGLE		LOADED BOOM ANGLE	
0.0	58	100,000					58	100,000				
0.3	54	100,000	64	100,000			54	100,000	64	100,000		
0.6	50	100,000	61	100,000			50	100,000	61	100,000		
0.9	46	100,000	58	100,000	65	96,900	46	100,000	58	100,000	65	96,900
1.2	42	96,700	55	96,700	63	92,200	42	81,400	55	81,400	63	81,400
1.5	37	87,100	53	87,100	61	87,100	37	67,900	53	67,900	61	67,900
1.8	32	74,700	50	74,700	59	74,700	32	58,200	50	58,200	59	58,200
2.1	25	65,400	47	65,300	56	65,300	25	50,800	47	50,800	56	50,800
2.4	17	58,100	43	58,000	54	58,000	17	45,100	43	45,000	54	45,000
2.7	0	52,100	40	52,100	52	52,100	0	40,400	40	40,400	52	40,400
3.0	SEE NOTE (D)		36	47,200	49	47,200	SEE NOTE (D)		36	36,600	49	36,600
3.3			32	43,100	47	43,100			32	33,400	47	33,300
3.6			28	39,700	44	39,700			28	30,700	44	30,600
3.9			22	36,700	42	36,700			22	28,300	42	28,300
4.2			15	34,200	39	34,100			15	26,300	39	26,300
4.5			0	31,900	36	31,800			0	24,500	36	24,500
4.8					32	29,800					32	22,900
5.1					29	28,100					29	21,500
5.4					25	26,500					25	20,300
5.7					20	25,000					20	19,100
6.0					14	23,800					14	18,100
6.4					0	22,500					0	17,200

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.

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 kilograms.

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

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