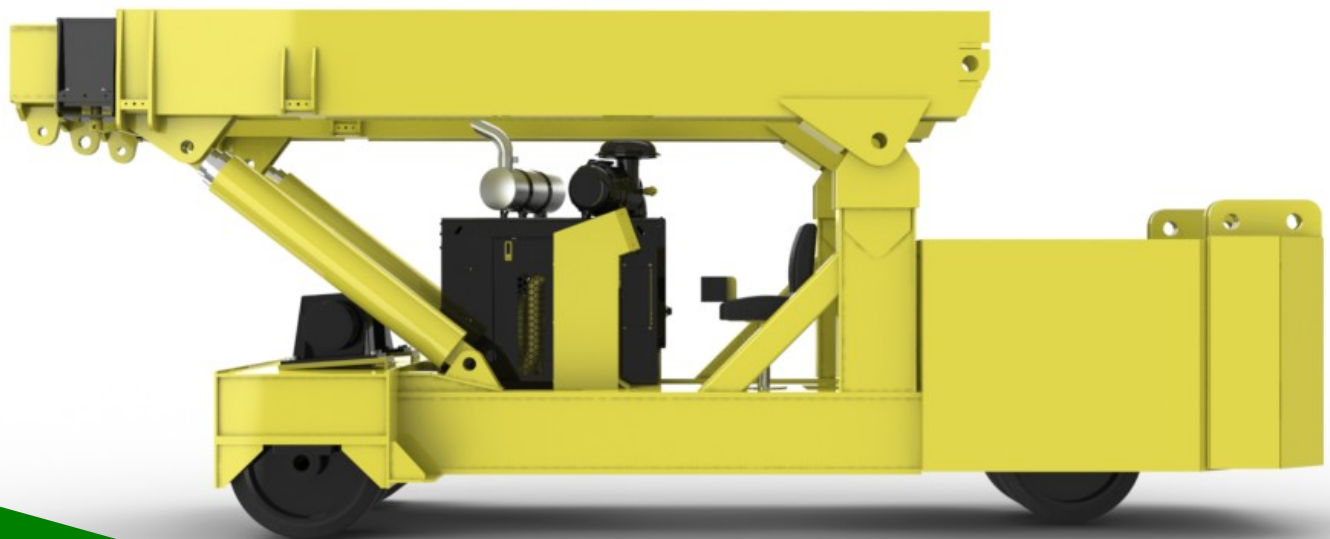




# 40 TON TWINLIFT

by  
LIFT SYSTEMS, INC.



***Global Leaders in Specialized  
Lifting Equipment!***



# TWINLIFT

## 40 TON

### STANDARD EQUIPMENT

**ENGINE:**

GM Industrial 4.3L Propane Engine  
105HP  
U.S. EPA Tier 3  
CARB Tier 3  
EU Stage III

**CONTROL SYSTEM:**

CARL (Computer Assisted Remote Lifting) Control System.  
Monitors Boom Angle, Boom Extension, Counterweight 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:**

Brevini drive motors (qty. 3)  
(2) in front, (1) in rear steering box.

**WHEELS:**

**Front:** qty. (4)  
Diameter: 28"  
Width: 10"

**Rear:** qty. (2)  
Diameter: 28"  
Width: 10"

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 17%  
Loaded maximum grade is 3.5%

**GROUND BEARING PRESSURE:**

Loaded Front Tires: 780 psi maximum  
Unloaded Rear Tires: 660 psi maximum

**TELESCOPING COUNTERWEIGHT:**

Standard counterweight section telescopes 5' using (2) hydraulic cylinders. Push button control.

**HYDRAULIC RESERVOIR:**

100 gallons (378 liters)

**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 CYLINDERS:**

Twin cylinders capable of telescoping the boom in and out with a full load. Safety holding valves are installed on both cylinders.

**LIFTING EYES:**

Qty. (1) centrally located on boom with 40 ton capacity

Qty. (2) located on corners of boom with 20 ton capacity each

**WINCH MOUNT:**

Standard mount for optional winch

**WEIGHT:**

36,000 lbs.  
Standard "A" counterweight included

**COUNTERWEIGHTS:**

"A" - non-removable counterweight installed in unit  
"B" - qty. (2) - 4,850 lbs each. - 9,700 lbs total  
"C" - qty. (1) - 8,500 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.

**HYDRAULIC WINCH:**

Consult factory for available capacities

**FORKLIFT ATTACHMENT:**

Consult factory for available capacities

**JIB EXTENSION:**

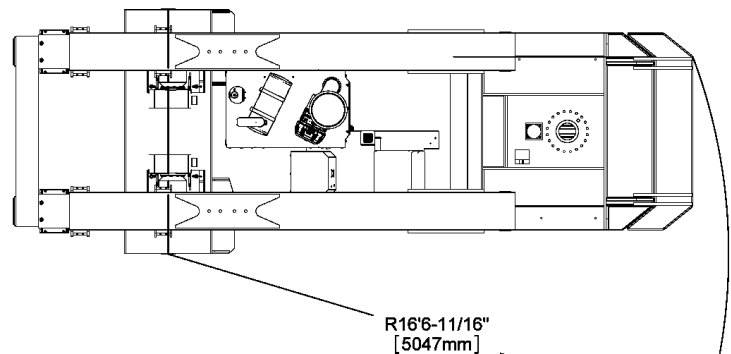
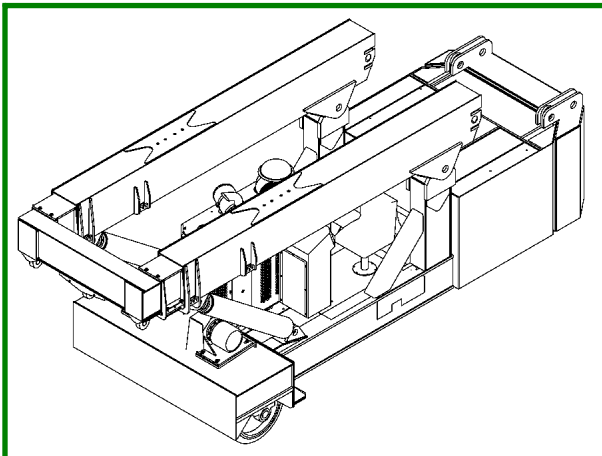
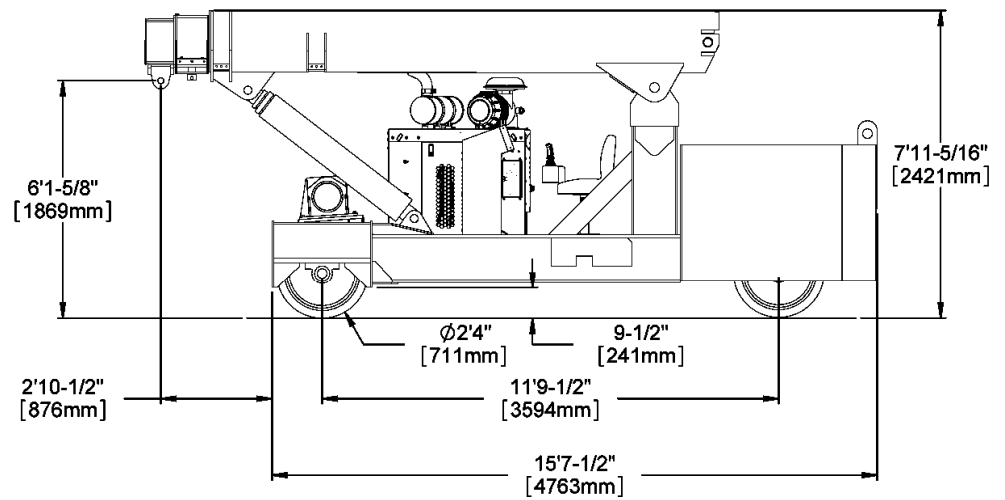
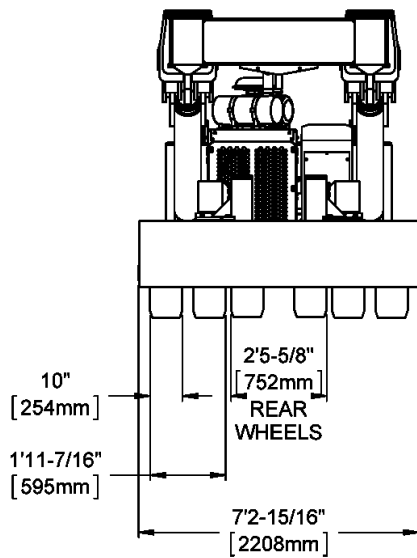
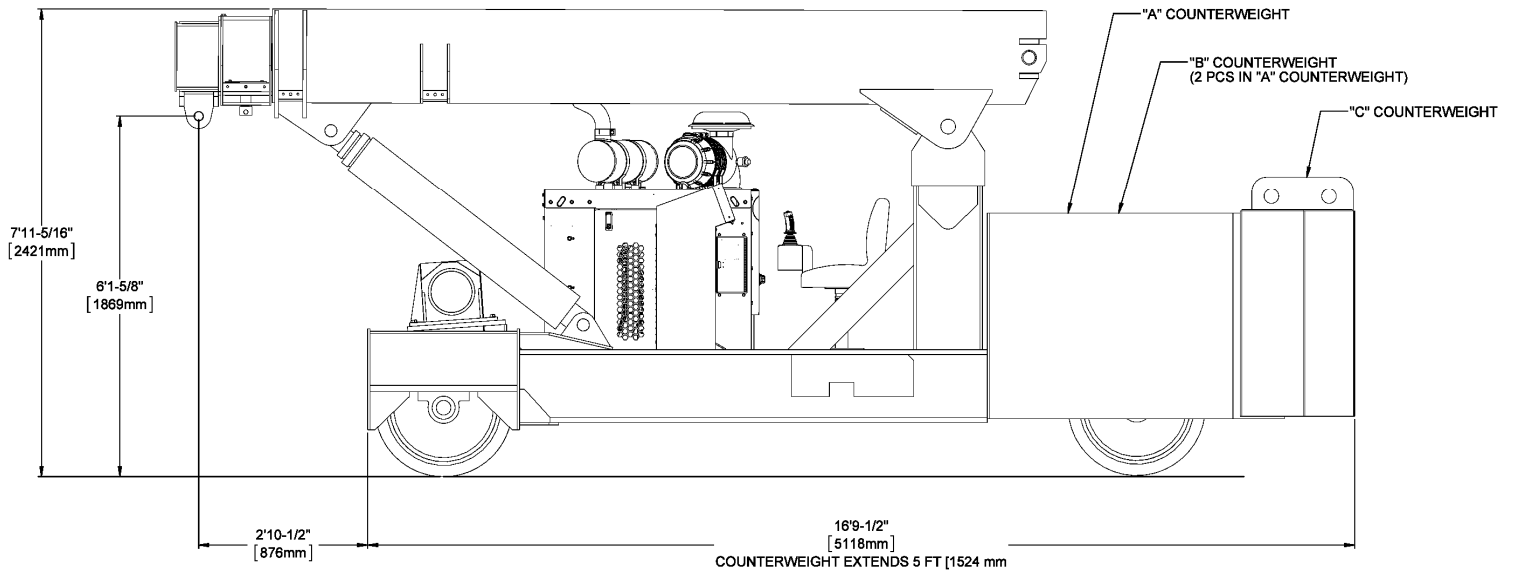
Consult factory for available capacities



# TWINLIFT

## 40 TON

### DIMENSIONAL DATA

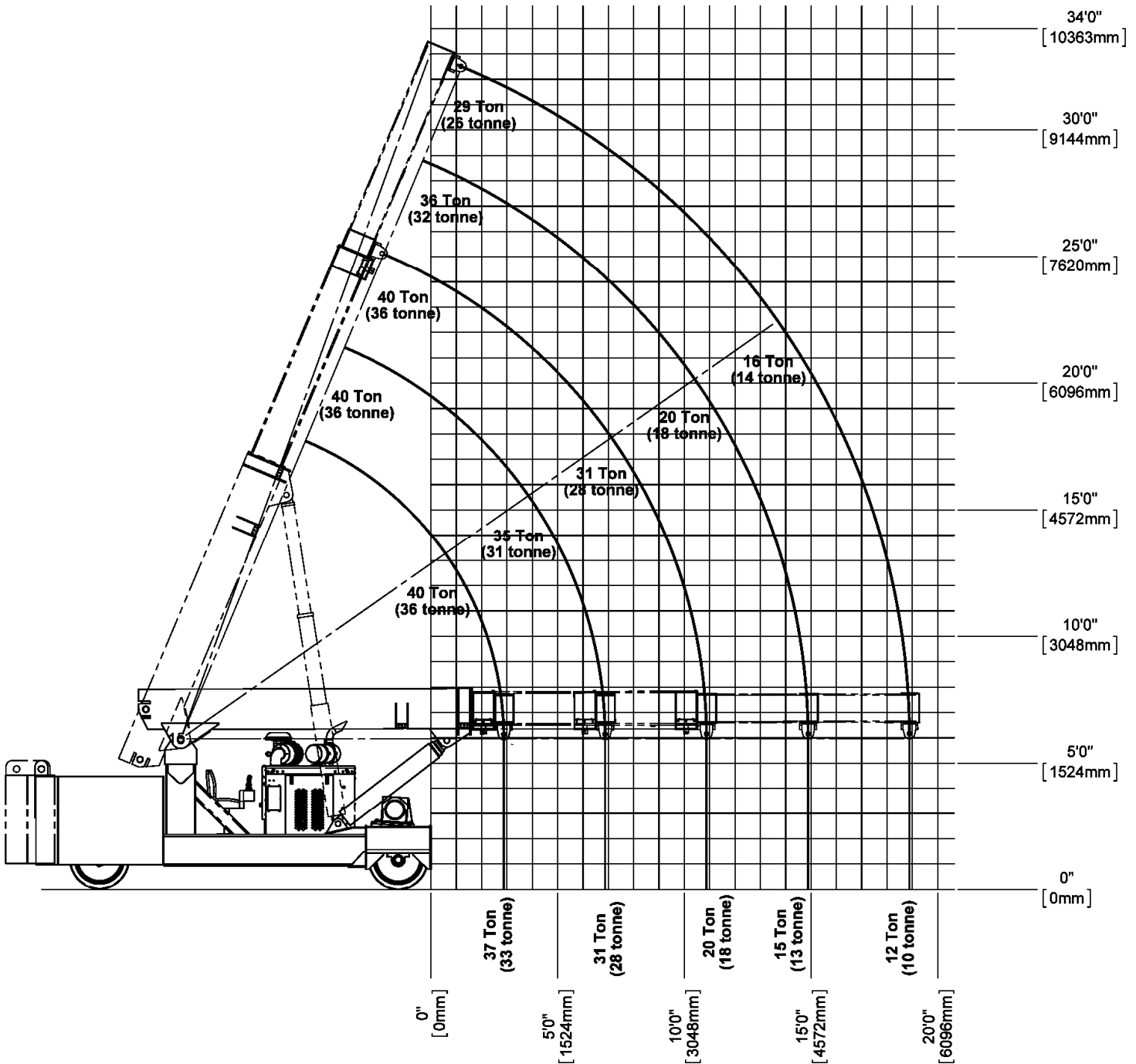




# TWINLIFT

## 40 TON

### REFERENCE CAPACITY / RANGE DIAGRAM



#### NOTE

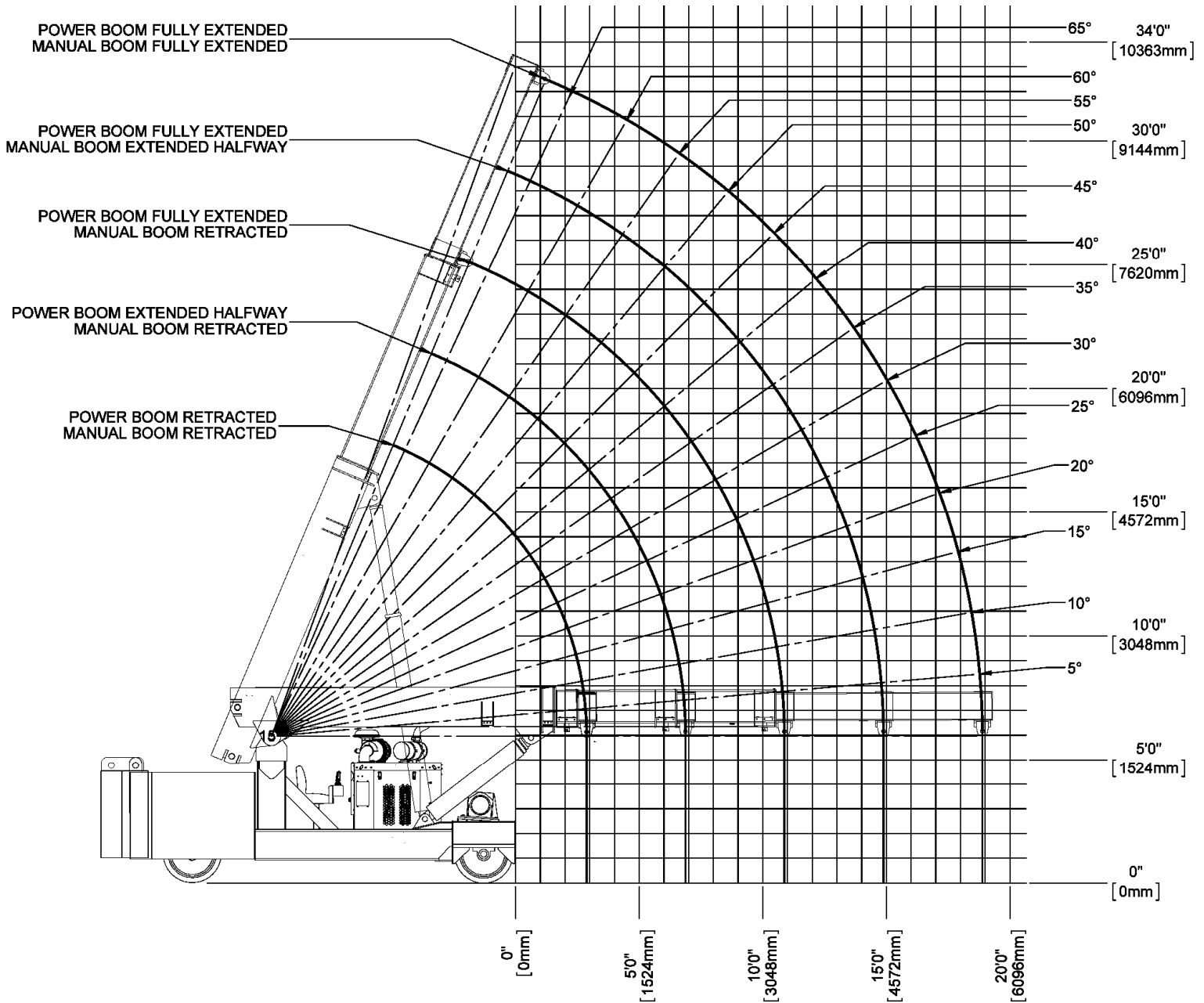
1. The above chart is for reference purposes only.
2. Never use the above chart for lift planning calculations
3. Lift plan calculations are to be determined solely by the load charts and range diagrams that are issued for the specific serial numbered machine that is to be used for the specific planned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



# TWINLIFT

## 40 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.



# TWINLIFT

## 40 TON

### LOAD CHARTS FOR "A" COUNTERWEIGHT

LOAD RADIUS (FEET FROM FRONT)	40 TON LOW PROFILE TWINLIFT LOAD CHART																		TLLC116	
	FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT																		7/27/2001	
	FULLY EXTENDED									FULLY RETRACTED										
LOADED BOOM ANGLE °	BOOM LENGTH (FEET)								LOADED BOOM ANGLE °	BOOM LENGTH (FEET)										
△	13	17	21	25	29	△	13	17	21	25	29	△	13	17	21	25	29			
0	42	80,000	55	80,000	60	80,000	42	80,000	55	80,000	60	80,000	42	80,000	55	80,000	60	80,000	FLY SECTION SEE NOTES	
1	35	80,000	51	80,000	56	80,000	35	80,000	51	80,000	56	80,000	35	80,000	51	80,000	56	80,000	FLY SECTION SEE NOTES	
2	26	78,400	47	78,200	56	78,000	26	64,100	47	62,800	56	62,100	26	64,100	47	62,800	56	62,100	FLY SECTION SEE NOTES	
3	13	63,300	42	62,200	53	61,600	13	48,400	42	47,400	53	46,700	13	48,400	42	47,400	53	46,700	FLY SECTION SEE NOTES	
4			36	49,800	49	49,200	57	50,100	36	37,700	49	37,200	57	38,000	36	37,700	49	37,200	FLY SECTION SEE NOTES	
5			30	41,300	46	40,800	54	41,600	30	31,200	46	30,700	54	31,400	30	31,200	46	30,700	FLY SECTION SEE NOTES	
6			23	35,200	42	34,700	51	35,400	23	26,400	42	25,900	51	26,700	23	26,400	42	25,900	FLY SECTION SEE NOTES	
7			11	30,500	38	30,000	48	30,700	11	22,800	38	22,400	48	23,000	11	22,800	38	22,400	FLY SECTION SEE NOTES	
8					33	26,400	45	27,000	33	19,500	45	20,200	33	19,500	45	20,200	33	20,600	FLY SECTION SEE NOTES	
9					27	23,500	42	24,100	27	17,300	42	17,900	27	17,300	42	17,900	27	18,300	FLY SECTION SEE NOTES	
10	SEE NOTE "E"				21	21,100	38	21,600	21	15,400	38	16,000	21	15,400	38	16,000	21	16,400	FLY SECTION SEE NOTES	
11					10	19,100	34	19,600	10	13,900	34	14,400	10	13,900	34	14,400	10	14,800	FLY SECTION SEE NOTES	
12					30	17,900	42	18,200	30	13,100	42	13,500	30	13,100	42	13,500	30	13,500	FLY SECTION SEE NOTES	
13					25	16,400	39	16,700	25	11,900	39	12,300	25	11,900	39	12,300	25	12,300	FLY SECTION SEE NOTES	
14					19	15,100	35	15,400	19	10,900	35	11,300	19	10,900	35	11,300	19	11,300	FLY SECTION SEE NOTES	
15					10	13,900	32	14,300	10	10,000	32	10,400	10	10,000	32	10,400	10	10,400	FLY SECTION SEE NOTES	
16								28	13,300									28	9,600	FLY SECTION SEE NOTES
17								23	12,400									23	8,900	FLY SECTION SEE NOTES
18								17	11,600									17	8,300	FLY SECTION SEE NOTES
19								9	10,800									9	7,700	FLY SECTION SEE NOTES

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 CYLINDERS MUST BE FULLY RETRACTED AND AGAINST STOPS.  
 F) BOOM LENGTH IS FROM REAR OF BOOM TO CENTER OF LIFT EYE.

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

### LOAD CHARTS FOR "A" AND "B" COUNTERWEIGHT

LOAD RADIUS (FEET FROM FRONT)	40 TON LOW PROFILE TWINLIFT LOAD CHART																		TLLC117	
	FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B" COUNTERWEIGHT ADDED																		7/27/2001	
	FULLY EXTENDED									FULLY RETRACTED										
LOADED BOOM ANGLE °	BOOM LENGTH (FEET)								LOADED BOOM ANGLE °	BOOM LENGTH (FEET)										
△	13	17	21	25	29	△	13	17	21	25	29	△	13	17	21	25	29			
0	42	80,000	55	80,000	60	80,000	42	80,000	55	80,000	60	80,000	42	80,000	55	80,000	60	80,000	FLY SECTION SEE NOTES	
1	35	80,000	51	80,000	56	80,000	35	79,900	51	79,600	56	79,400	35	79,900	51	79,600	56	79,400	FLY SECTION SEE NOTES	
2	26	78,100	47	77,800	56	77,700	26	74,200	47	73,900	56	73,700	26	74,200	47	73,900	56	73,700	FLY SECTION SEE NOTES	
3	13	74,100	42	73,800	53	73,700	13	68,900	42	67,800	53	67,200	13	68,900	42	67,800	53	67,200	FLY SECTION SEE NOTES	
4			36	70,200	49	70,100	57	68,300	36	54,300	49	53,800	57	54,600	36	54,300	49	53,800	FLY SECTION SEE NOTES	
5			30	61,800	46	61,300	54	62,100	30	45,100	46	44,600	54	45,400	30	45,100	46	44,600	FLY SECTION SEE NOTES	
6			23	52,900	42	52,400	51	53,100	23	38,500	42	38,000	51	38,700	23	38,500	42	38,000	FLY SECTION SEE NOTES	
7			11	46,100	38	45,600	48	46,300	11	33,400	38	32,900	48	33,600	11	33,400	38	32,900	FLY SECTION SEE NOTES	
8					33	40,300	45	40,900	33	29,000	45	29,600	33	29,000	45	29,600	33	30,100	FLY SECTION SEE NOTES	
9					27	36,000	42	36,600	27	25,800	42	26,400	27	25,800	42	26,400	27	26,800	FLY SECTION SEE NOTES	
10	SEE NOTE "E"				21	32,500	38	33,100	21	23,200	38	23,800	21	23,200	38	23,800	21	24,200	FLY SECTION SEE NOTES	
11					10	29,600	34	30,100	10	21,000	34	21,600	10	21,000	34	21,600	10	22,000	FLY SECTION SEE NOTES	
12					30	27,600	42	28,000	30	19,700	42	20,100	30	19,700	42	20,100	30	20,100	FLY SECTION SEE NOTES	
13					25	25,400	39	25,800	25	18,100	39	18,400	25	18,100	39	18,400	25	18,400	FLY SECTION SEE NOTES	
14					19	23,500	35	23,900	19	16,700	35	17,000	19	16,700	35	17,000	19	17,000	FLY SECTION SEE NOTES	
15					10	21,900	32	22,200	10	15,400	32	15,800	10	15,400	32	15,800	10	15,800	FLY SECTION SEE NOTES	
16								28	20,800									28	14,700	FLY SECTION SEE NOTES
17								23	19,400									23	13,700	FLY SECTION SEE NOTES
18								17	18,300									17	12,800	FLY SECTION SEE NOTES
19								9	17,200									9	12,000	FLY SECTION SEE NOTES

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.  
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 F) BOOM LENGTH IS FROM REAR OF BOOM TO CENTER OF LIFT EYE.

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.



# TWINLIFT

## 40 TON

### LOAD CHARTS FOR "A", "B", AND "C" COUNTERWEIGHT

LOAD RADIUS (FEET FROM FRONT)	40 TON LOW PROFILE TWINLIFT LOAD CHART																		TLLC118
	FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B", "C" COUNTERWEIGHT ADDED																		7/27/2001
	FULLY EXTENDED									FULLY RETRACTED									
LOADED BOOM ANGLE	BOOM LENGTH (FEET)						BOOM LENGTH (FEET)						BOOM LENGTH (FEET)						
13°	13	17	21	25	29	29	13°	13	17	21	25	29	29	29	29	29	29	FLY SECTION SEE NOTES	
0	42	80,000	55	80,000	60	80,000	60	72,300	42	80,000	55	80,000	60	80,000	60	70,600	42	80,000	FLY SECTION SEE NOTES
1	35	80,000	51	80,000	60	80,000	60	72,300	35	80,000	51	80,000	60	80,000	60	70,600	42	80,000	FLY SECTION SEE NOTES
2	26	79,400	47	79,100	56	79,000	60	72,300	26	75,900	47	75,600	56	75,400	60	70,600	42	80,000	FLY SECTION SEE NOTES
3	13	75,300	42	75,100	53	74,900	60	72,300	13	70,800	42	70,500	53	70,200	60	70,600	42	80,000	FLY SECTION SEE NOTES
4			36	71,400	49	71,200	57	68,300			36	66,000	49	65,700	57	66,100	42	80,000	FLY SECTION SEE NOTES
5			30	68,000	46	67,900	54	64,900			30	61,500	46	61,000	54	61,700	60	59,000	FLY SECTION SEE NOTES
6			23	65,000	42	64,800	51	61,800			23	52,600	42	52,100	51	52,800	57	53,300	FLY SECTION SEE NOTES
7			11	62,200	38	62,000	48	59,100			11	45,800	38	45,300	48	46,000	55	46,500	FLY SECTION SEE NOTES
8					33	55,300	45	55,900					33	40,100	45	40,700	53	41,100	FLY SECTION SEE NOTES
9					27	49,500	42	50,100					27	35,800	42	36,400	50	36,800	FLY SECTION SEE NOTES
10	SEE NOTE "E"				21	44,800	38	45,400					21	32,300	38	32,900	47	33,300	FLY SECTION SEE NOTES
11					10	40,900	34	41,400					10	29,400	34	29,900	45	30,300	FLY SECTION SEE NOTES
12							30	38,000						30	27,400	42	27,800		
13							25	35,100						25	25,200	39	25,600		
14							19	32,600						19	23,400	35	23,700		
15							10	30,400						10	21,700	32	22,100		
16																28	20,600		
17																23	19,300		
18																17	18,200		
19																9	17,100		

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.

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