



LIFT SYSTEMS, INC.

# 110 Ton Twinlift

## FEATURING:

- CARL Equipped (Standard)
- Less Ground Bearing Pressure Compared to the 75 ton Twinlift
- Cummins 160 hp Diesel Engine
- 8'6" Wide and 9'10" Tall For Easy Shipping
- Boom Extended Height est. 40'11" (12,471mm)
- 90 Degree Steering

## SPECIFICATIONS

Capacity:  
110 Tons (100 mt)

Est. Weight:  
66,000 lbs. (29,937 kg)

Est. ABCDE Counter Weight:  
43,000 lbs. (19,505 kg)



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

# 110 Ton Twinlift Load Chart



LIFT SYSTEMS, INC.

## PRELIMINARY

### 110 TON TWINLIFT LOAD CHART

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

TLLCxxx  
4/2/2009

| LOAD RADIUS (FEET FROM FRONT) | FULLY EXTENDED BOOM LENGTH (FEET) |                   |                   |                   |                   |                   |                   |                   |                   |                   | FULLY RETRACTED BOOM LENGTH (FEET) |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|-------------------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                               | 16.5                              |                   | 21.5              |                   | 26.5              |                   | 31.5              |                   | 36.5              |                   | 16.5                               |                   | 21.5              |                   | 26.5              |                   | 31.5              |                   | 36.5              |                   |
|                               | LOADED BOOM ANGLE                 | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE                  | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE | LOADED BOOM ANGLE |
| -4.5                          | 65                                | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   | 65                                 | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   |
| -4                            | 63                                | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   | 63                                 | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   |
| -3                            | 57                                | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   | 57                                 | 220,462           |                   |                   |                   |                   |                   |                   |                   |                   |
| -2                            | 52                                | 220,462           | 64                | 220,462           |                   |                   |                   |                   |                   |                   | 52                                 | 220,462           | 64                | 220,462           |                   |                   |                   |                   |                   |                   |
| -1                            | 46                                | 220,462           | 60                | 220,462           | 65                | 220,462           |                   |                   |                   |                   | 46                                 | 220,462           | 60                | 220,462           | 65                | 220,462           |                   |                   |                   |                   |
| 0                             | 39                                | 220,462           | 56                | 220,462           | 62                | 220,462           | 63                | 220,462           |                   |                   | 39                                 | 220,462           | 56                | 220,462           | 62                | 220,462           | 63                | 220,462           |                   |                   |
| 1                             | 32                                | 220,462           | 52                | 220,462           | 58                | 220,462           | 59                | 220,462           | 60                | 220,462           | 32                                 | 220,462           | 52                | 220,462           | 58                | 220,462           | 59                | 220,462           | 60                | 220,462           |
| 2                             | 22                                | 220,462           | 48                | 220,462           | 44                | 220,462           | 45                | 220,462           | 46                | 220,462           | 22                                 | 220,462           | 48                | 220,462           | 44                | 220,462           | 45                | 220,462           | 46                | 220,462           |
| 3                             | 0                                 | 220,462           | 44                | 220,462           | 39                | 186,200           | 40                | 130,000           | 41                | 115,000           | 0                                  | 172,300           | 44                | 172,300           | 39                | 142,400           | 40                | 122,200           | 41                | 103,200           |
| 4                             |                                   |                   | 39                | 158,400           | 33                | 116,500           | 34                | 90,200            | 35                | 88,000            |                                    |                   | 33                | 121,000           | 29                | 89,700            | 30                | 88,000            | 31                | 85,400            |
| 5                             |                                   |                   | 27                | 137,800           | 23                | 82,400            | 24                | 62,900            | 25                | 61,600            |                                    |                   | 27                | 105,000           | 23                | 62,500            | 24                | 63,000            | 25                | 61,600            |
| 6                             |                                   |                   | 17                | 121,800           | 16                | 76,200            | 17                | 57,800            | 18                | 55,800            |                                    |                   | 17                | 92,700            | 16                | 57,800            | 17                | 57,800            | 18                | 55,800            |
| 7.7                           |                                   |                   | 0                 | 108,900           | 0                 | 70,800            | 0                 | 52,000            | 0                 | 41,800            |                                    |                   | 0                 | 83,000            | 0                 | 53,600            | 0                 | 39,700            | 0                 | 31,400            |
| 8                             |                                   |                   |                   | 108,600           |                   | 109,000           |                   | 109,000           |                   |                   |                                    |                   |                   | 38                | 82,700            |                   | 82,100            |                   | 73,600            |                   |
| 9                             |                                   |                   |                   | 98,300            |                   | 105,000           |                   | 105,000           |                   |                   |                                    |                   |                   | 34                | 74,700            |                   | 73,800            |                   | 71,100            |                   |
| 10                            |                                   |                   |                   | 89,700            |                   | 88,000            |                   | 88,000            |                   |                   |                                    |                   |                   | 29                | 68,100            |                   | 68,600            |                   | 67,400            |                   |
| 11                            |                                   |                   |                   | 82,400            |                   | 81,000            |                   | 81,000            |                   |                   |                                    |                   |                   | 23                | 62,500            |                   | 63,000            |                   | 61,600            |                   |
| 12                            |                                   |                   |                   | 76,200            |                   | 75,000            |                   | 75,000            |                   |                   |                                    |                   |                   | 16                | 57,800            |                   | 58,200            |                   | 56,700            |                   |
| 12.5                          |                                   |                   |                   | 70,800            |                   | 71,600            |                   | 71,600            |                   |                   |                                    |                   |                   | 0                 | 53,600            |                   | 54,100            |                   | 54,400            |                   |
| 13                            |                                   |                   |                   | 71,300            |                   | 71,800            |                   | 71,800            |                   |                   |                                    |                   |                   | 35                | 54,100            |                   | 54,600            |                   | 54,900            |                   |
| 14                            |                                   |                   |                   | 66,600            |                   | 66,900            |                   | 66,900            |                   |                   |                                    |                   |                   | 31                | 50,500            |                   | 50,800            |                   | 51,100            |                   |
| 15                            |                                   |                   |                   | 62,400            |                   | 62,800            |                   | 62,800            |                   |                   |                                    |                   |                   | 26                | 47,300            |                   | 47,600            |                   | 47,900            |                   |
| 16                            |                                   |                   |                   | 58,800            |                   | 59,100            |                   | 59,100            |                   |                   |                                    |                   |                   | 21                | 44,500            |                   | 44,800            |                   | 45,100            |                   |
| 17                            |                                   |                   |                   | 55,500            |                   | 55,800            |                   | 55,800            |                   |                   |                                    |                   |                   | 15                | 42,000            |                   | 42,300            |                   | 42,600            |                   |
| 17.5                          |                                   |                   |                   | 52,000            |                   | 52,000            |                   | 52,000            |                   |                   |                                    |                   |                   | 0                 | 39,700            |                   | 39,700            |                   | 39,700            |                   |
| 18                            |                                   |                   |                   | 52,800            |                   | 52,800            |                   | 52,800            |                   |                   |                                    |                   |                   | 32                | 40,000            |                   | 40,000            |                   | 40,000            |                   |
| 19                            |                                   |                   |                   | 50,200            |                   | 50,200            |                   | 50,200            |                   |                   |                                    |                   |                   | 28                | 37,900            |                   | 37,900            |                   | 37,900            |                   |
| 20                            |                                   |                   |                   | 47,700            |                   | 47,700            |                   | 47,700            |                   |                   |                                    |                   |                   | 24                | 36,100            |                   | 36,100            |                   | 36,100            |                   |
| 21                            |                                   |                   |                   | 45,500            |                   | 45,500            |                   | 45,500            |                   |                   |                                    |                   |                   | 20                | 34,000            |                   | 34,000            |                   | 34,000            |                   |
| 22                            |                                   |                   |                   | 43,800            |                   | 43,800            |                   | 43,800            |                   |                   |                                    |                   |                   | 14                | 32,500            |                   | 32,500            |                   | 32,500            |                   |
| 22.5                          |                                   |                   |                   | 41,800            |                   | 41,800            |                   | 41,800            |                   |                   |                                    |                   |                   | 0                 | 31,400            |                   | 31,400            |                   | 31,400            |                   |

NOTES:  
 A) MANUAL FLY SECTION CAPACITIES ARE LIMITED BY ANGLE. DO NOT USE LOAD RADIUS WHEN USING MANUAL 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 THE PING.  
 D) ALL CAPACITIES ARE IN POUNDS.  
 E) TELESCOPE CYLINDERS MUST BE FULLY RETRACTED AND BOOM LENGTHS FROM REAR OF BOOM TO CENTER OF LIFT EYE.  
 F) BOOM LENGTHS FROM REAR OF BOOM TO CENTER OF LIFT EYE.

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



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