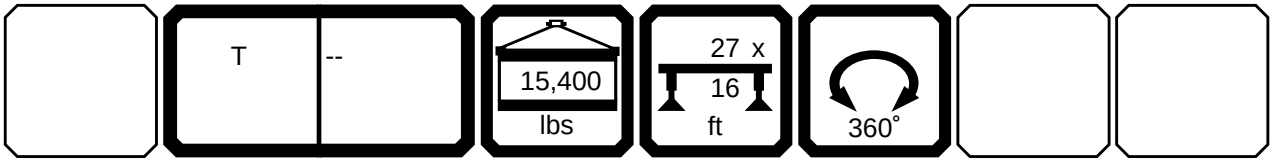
# STERLING CRANE

## LIFTING CHARTS - All Terrain Cranes

## LIEBHERR MODEL LTM 1150/1 - 165 TON CAPACITY

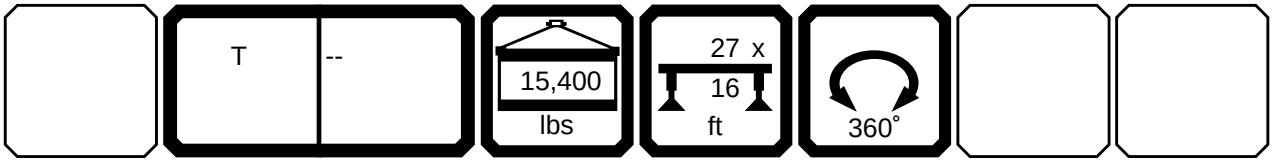
### Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 43 | 56 | 56 | 56 | 56 | 69 | 69 | 69 | 69 | 82 |
| 9 | 174,000 | | | | | | | | | |
| 10 | 170,000 | | | | | | | | | |
| 11 | 144,000 | 111,000 | 114,000 | 111,000 | 112,000 | | | | | |
| 12 | 123,000 | 105,000 | 107,000 | 106,000 | 107,000 | | | | | |
| 13 | 107,000 | 92,000 | 94,500 | 97,000 | 98,500 | 78,000 | 82,000 | 89,000 | 89,000 | 67,500 |
| 14 | 95,000 | 82,500 | 85,000 | 87,500 | 89,000 | 71,500 | 75,000 | 82,000 | 82,000 | 62,000 |
| 15 | 84,000 | 73,500 | 76,000 | 78,500 | 80,000 | 64,000 | 68,000 | 74,500 | 74,500 | 56,100 |
| 16 | 75,500 | 66,500 | 69,000 | 71,500 | 72,500 | 58,400 | 62,000 | 68,000 | 68,500 | 51,100 |
| 17 | 69,000 | 61,000 | 63,000 | 65,500 | 67,000 | 53,500 | 56,900 | 63,000 | 63,000 | 46,900 |
| 18 | 63,000 | 56,100 | 58,200 | 60,500 | 61,500 | 49,200 | 52,600 | 58,600 | 58,700 | 43,200 |
| 20 | 52,400 | 46,800 | 48,800 | 50,900 | 52,100 | 41,200 | 44,400 | 50,100 | 50,200 | 36,100 |
| 22 | 45,000 | 40,200 | 42,100 | 44,100 | 45,300 | 35,300 | 38,500 | 43,900 | 44,000 | 30,900 |
| 24 | 38,700 | 34,600 | 36,400 | 38,400 | 39,500 | 30,300 | 33,300 | 38,700 | 38,700 | 26,400 |
| 26 | 33,500 | 29,800 | 31,600 | 33,500 | 34,600 | 26,100 | 29,000 | 34,200 | 34,200 | 22,600 |
| 28 | 29,600 | 26,200 | 27,900 | 29,700 | 30,800 | 22,700 | 25,600 | 30,600 | 30,700 | 19,500 |
| 30 | 25,900 | 22,800 | 24,500 | 26,300 | 27,400 | 19,600 | 22,500 | 27,400 | 27,500 | 16,700 |
| 32 | 22,700 | 20,100 | 21,700 | 23,500 | 24,500 | 17,100 | 19,900 | 24,700 | 24,800 | 14,300 |
| 34 | | 17,700 | 19,300 | 21,000 | 22,100 | 14,900 | 17,600 | 22,400 | 22,400 | 12,200 |
| 36 | | 15,500 | 17,100 | 18,800 | 19,800 | 12,800 | 15,500 | 20,200 | 20,200 | 10,300 |
| 38 | | 13,700 | 15,300 | 16,900 | 18,000 | 11,100 | 13,800 | 18,400 | 18,400 | 8,700 |
| 40 | | 12,100 | 13,600 | 15,200 | 16,200 | | 12,200 | 16,800 | 16,800 | |
| 45 | | 8,700 | 10,000 | 11,300 | 12,200 | | 9,000 | 13,400 | 13,400 | |
| 50 | | | | | | | 6,500 | 10,700 | 10,700 | |
| 55 | | | | | | | | 8,400 | 8,300 | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| * n * | 11 | 7 | 7 | 7 | 7 | 5 | 5 | 6 | 6 | 4 |
| 1 | 0+ | 0+ | 0+ | 0+ | 0+ | 46+ | 0+ | 0+ | 0+ | 92+ |
| 2 | 0+ | 46+ | 0+ | 0+ | 0+ | 46+ | 46+ | 0+ | 0+ | 46+ |
| 3 | 0+ | 0+ | 46+ | 0+ | 0+ | 0+ | 46+ | 0+ | 0+ | 0+ |
| 4 | 0+ | 0+ | 0+ | 46+ | 0+ | 0+ | 0+ | 46+ | 0+ | 0+ |
| 5 | 0+ | 0+ | 0+ | 0+ | 46+ | 0+ | 0+ | 46+ | 92+ | 0+ |
| ft/s | 36 | 36 | 36 | 36 | 33 | 33 | 33 | 33 | 33 | 33 |



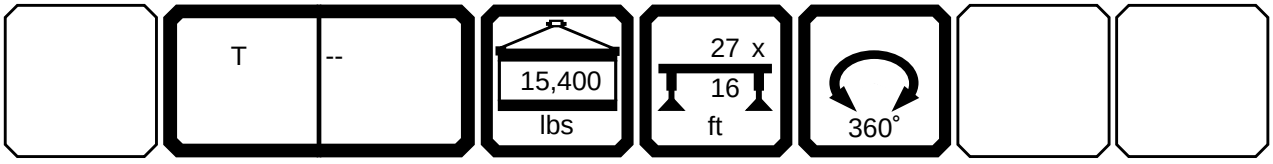
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 82 | 82 | 82 | 82 | 82 | 95 | 95 | 95 | 95 | 95 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | 72,000 | 72,500 | 80,500 | 81,000 | 82,500 | | | | | |
| 14 | 66,000 | 67,000 | 74,500 | 75,000 | 76,500 | 53,900 | 56,000 | 58,200 | 62,500 | 63,000 |
| 15 | 60,000 | 61,000 | 68,000 | 68,500 | 70,000 | 52,900 | 54,900 | 57,100 | 61,500 | 62,000 |
| 16 | 54,800 | 55,700 | 62,500 | 63,000 | 65,000 | 48,400 | 50,500 | 52,600 | 56,700 | 57,300 |
| 17 | 50,500 | 51,400 | 58,200 | 58,500 | 60,000 | 44,700 | 46,700 | 48,800 | 52,700 | 53,300 |
| 18 | 46,800 | 47,600 | 54,200 | 54,600 | 56,300 | 41,400 | 43,300 | 45,400 | 49,300 | 49,800 |
| 20 | 39,600 | 40,300 | 46,700 | 47,100 | 48,700 | 35,000 | 36,900 | 38,900 | 42,600 | 43,200 |
| 22 | 34,300 | 35,000 | 41,200 | 41,500 | 43,100 | 30,300 | 32,100 | 34,000 | 37,700 | 38,200 |
| 24 | 29,700 | 30,400 | 36,400 | 36,700 | 38,300 | 26,100 | 27,900 | 29,800 | 33,300 | 33,800 |
| 26 | 25,800 | 26,400 | 32,300 | 32,600 | 34,100 | 22,500 | 24,300 | 26,100 | 29,600 | 30,100 |
| 28 | 22,600 | 23,300 | 29,000 | 29,300 | 30,800 | 19,700 | 21,400 | 23,200 | 26,600 | 27,000 |
| 30 | 19,800 | 20,400 | 26,000 | 26,300 | 27,800 | 17,000 | 18,700 | 20,500 | 23,800 | 24,300 |
| 32 | 17,400 | 18,000 | 23,500 | 23,800 | 25,300 | 14,800 | 16,500 | 18,200 | 21,500 | 21,900 |
| 34 | 15,200 | 15,800 | 21,300 | 21,600 | 23,000 | 12,800 | 14,500 | 16,200 | 19,400 | 19,800 |
| 36 | 13,300 | 13,800 | 19,300 | 19,500 | 21,000 | 11,000 | 12,600 | 14,300 | 17,500 | 17,900 |
| 38 | 11,700 | 12,200 | 17,600 | 17,800 | 19,300 | 9,400 | 11,100 | 12,800 | 15,900 | 16,300 |
| 40 | 10,200 | 10,700 | 16,000 | 16,300 | 17,700 | | 9,600 | 11,300 | 14,500 | 14,800 |
| 45 | 7,000 | 7,600 | 12,800 | 13,000 | 14,400 | | 6,600 | 8,300 | 11,400 | 11,700 |
| 50 | | | 10,200 | 10,400 | 11,800 | | | | 8,900 | 9,200 |
| 55 | | | 8,100 | 8,300 | 9,700 | | | | 6,900 | 7,200 |
| 60 | | | 6,400 | 6,500 | 7,900 | | | | | |
| 65 | | | 5,000 | 5,100 | 6,300 | | | | | |
| 70 | | | | | 5,000 | | | | | |
| * n * | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 |
| 1 | 46+ | 0+ | 0+ | 0+ | 0+ | 92+ | 46+ | 46+ | 0+ | 0+ |
| 2 | 46+ | 92+ | 0+ | 0+ | 0+ | 46+ | 92+ | 46+ | 46+ | 0+ |
| 3 | 46+ | 46+ | 46+ | 0+ | 0+ | 46+ | 46+ | 46+ | 46+ | 92+ |
| 4 | 0+ | 0+ | 46+ | 92+ | 46+ | 0+ | 0+ | 46+ | 46+ | 46+ |
| 5 | 0+ | 0+ | 46+ | 46+ | 92+ | 0+ | 0+ | 0+ | 46+ | 46+ |
| % | | | | | | | | | | |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



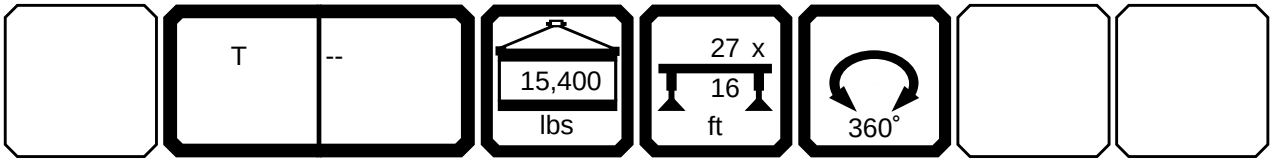
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 95 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | 121 | 121 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | 66,000 | | | | | | | | | |
| 15 | 65,000 | | | | | | | | | |
| 16 | 60,500 | 43,500 | 45,100 | 49,100 | 49,600 | 52,800 | 52,400 | 54,700 | | |
| 17 | 56,300 | 41,700 | 43,300 | 47,300 | 47,800 | 50,900 | 50,500 | 52,800 | | |
| 18 | 52,700 | 38,700 | 40,300 | 44,200 | 44,700 | 47,800 | 47,400 | 49,700 | 34,800 | 36,200 |
| 20 | 45,900 | 33,000 | 34,500 | 38,300 | 38,800 | 41,800 | 41,400 | 43,600 | 34,200 | 35,600 |
| 22 | 40,900 | 28,600 | 30,200 | 33,900 | 34,300 | 37,200 | 36,800 | 39,000 | 30,100 | 31,500 |
| 24 | 36,400 | 24,800 | 26,300 | 29,900 | 30,300 | 33,200 | 32,800 | 34,900 | 26,500 | 27,900 |
| 26 | 32,600 | 21,500 | 23,000 | 26,500 | 26,900 | 29,700 | 29,300 | 31,400 | 23,400 | 24,800 |
| 28 | 29,600 | 18,800 | 20,300 | 23,700 | 24,100 | 26,900 | 26,500 | 28,500 | 20,900 | 22,200 |
| 30 | 26,700 | 16,300 | 17,800 | 21,200 | 21,600 | 24,300 | 23,900 | 25,900 | 18,500 | 19,800 |
| 32 | 24,400 | 14,200 | 15,600 | 19,000 | 19,400 | 22,100 | 21,700 | 23,700 | 16,500 | 17,800 |
| 34 | 22,200 | 12,400 | 13,700 | 17,100 | 17,400 | 20,100 | 19,700 | 21,700 | 14,700 | 15,900 |
| 36 | 20,300 | 10,600 | 12,000 | 15,300 | 15,600 | 18,300 | 17,900 | 19,800 | 13,000 | 14,300 |
| 38 | 18,700 | 9,200 | 10,500 | 13,800 | 14,100 | 16,700 | 16,400 | 18,300 | 11,600 | 12,800 |
| 40 | 17,200 | | | 12,400 | 12,800 | 15,300 | 14,900 | 16,800 | 10,300 | 11,500 |
| 45 | 14,000 | | | 9,500 | 9,800 | 12,300 | 12,000 | 13,800 | 7,500 | 8,700 |
| 50 | 11,500 | | | 7,100 | 7,500 | 9,900 | 9,600 | 11,400 | | 6,500 |
| 55 | 9,400 | | | | | 7,900 | 7,600 | 9,400 | | |
| 60 | 7,600 | | | | | 6,200 | | 7,700 | | |
| 65 | 6,200 | | | | | 4,900 | | 6,200 | | |
| 70 | 5,000 | | | | | | | 5,100 | | |
| * n * | 4 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | 3 |
| 1 | 0+ | 92+ | 92+ | 46+ | 0+ | 0+ | 0+ | 0+ | 92+ | 46+ |
| 2 | 0+ | 92+ | 46+ | 46+ | 92+ | 46+ | 0+ | 0+ | 46+ | 92+ |
| 3 | 0+ | 46+ | 46+ | 46+ | 46+ | 46+ | 92+ | 46+ | 46+ | 46+ |
| 4 | 92+ | 0+ | 46+ | 46+ | 46+ | 46+ | 92+ | 92+ | 46+ | 46+ |
| 5 | 92+ | 0+ | 0+ | 46+ | 46+ | 92+ | 46+ | 92+ | 46+ | 46+ |
| % | | | | | | | | | | |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



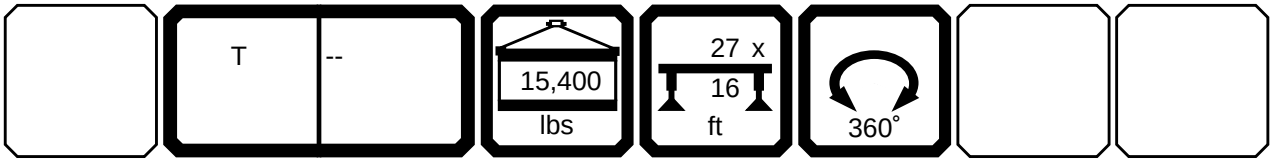
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 121 | 121 | 121 | 121 | 121 | 135 | 135 | 135 | 135 | 135 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | 38,500 | 37,600 | 39,500 | 40,700 | 41,200 | | | | | |
| 20 | 37,800 | 36,900 | 38,800 | 40,000 | 40,500 | | | | | |
| 22 | 33,700 | 32,800 | 34,600 | 35,800 | 36,300 | 26,500 | 28,200 | 30,500 | 29,800 | 32,200 |
| 24 | 30,000 | 29,200 | 31,000 | 32,100 | 32,600 | 25,000 | 26,700 | 28,900 | 28,300 | 30,600 |
| 26 | 26,900 | 26,000 | 27,800 | 28,900 | 29,400 | 22,100 | 23,800 | 26,000 | 25,300 | 27,600 |
| 28 | 24,200 | 23,400 | 25,200 | 26,300 | 26,700 | 19,700 | 21,400 | 23,500 | 22,900 | 25,200 |
| 30 | 21,800 | 21,000 | 22,700 | 23,800 | 24,200 | 17,500 | 19,200 | 21,300 | 20,600 | 22,900 |
| 32 | 19,800 | 18,900 | 20,700 | 21,700 | 22,100 | 15,600 | 17,200 | 19,300 | 18,700 | 20,900 |
| 34 | 17,900 | 17,100 | 18,800 | 19,900 | 20,300 | 13,900 | 15,500 | 17,600 | 16,900 | 19,100 |
| 36 | 16,200 | 15,400 | 17,100 | 18,100 | 18,500 | 12,300 | 13,900 | 15,900 | 15,300 | 17,500 |
| 38 | 14,800 | 14,000 | 15,700 | 16,700 | 17,100 | 11,000 | 12,600 | 14,600 | 13,900 | 16,100 |
| 40 | 13,400 | 12,600 | 14,300 | 15,300 | 15,700 | 9,700 | 11,300 | 13,300 | 12,700 | 14,800 |
| 45 | 10,600 | 9,800 | 11,400 | 12,400 | 12,800 | 7,000 | 8,600 | 10,600 | 9,900 | 12,100 |
| 50 | 8,300 | 7,500 | 9,200 | 10,100 | 10,500 | | 6,500 | 8,400 | 7,800 | 9,800 |
| 55 | 6,400 | | 7,200 | 8,200 | 8,500 | | | 6,500 | | 7,900 |
| 60 | | | | 6,600 | 6,900 | | | | | 6,300 |
| 65 | | | | 5,200 | 5,500 | | | | | 5,000 |
| 70 | | | | | | | | | | |
| * n * | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 |
| 1 | 46+ | 0+ | 0+ | 0+ | 0+ | 92+ | 46+ | 46+ | 0+ | 0+ |
| 2 | 46+ | 92+ | 46+ | 46+ | 0+ | 92+ | 92+ | 46+ | 92+ | 46+ |
| 3 | 46+ | 92+ | 92+ | 46+ | 92+ | 46+ | 92+ | 46+ | 92+ | 92+ |
| 4 | 46+ | 46+ | 92+ | 92+ | 92+ | 46+ | 46+ | 92+ | 92+ | 92+ |
| 5 | 92+ | 46+ | 46+ | 92+ | 92+ | 46+ | 46+ | 92+ | 46+ | 92+ |
| % | | | | | | | | | | |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



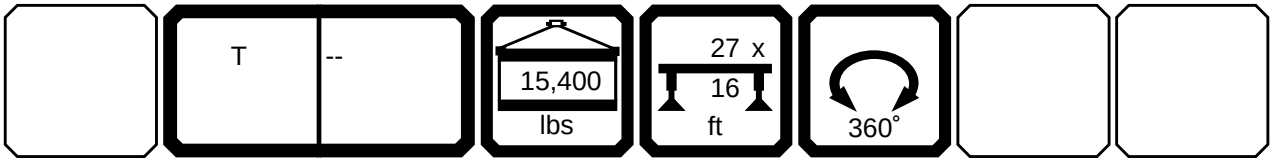
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 148 | 148 | 148 | 148 | 161 | 161 | 174 | 184 | 56 | 69 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | 52,200 | |
| 12 | | | | | | | | | 52,200 | |
| 13 | | | | | | | | | 52,200 | 41,000 |
| 14 | | | | | | | | | 52,200 | 40,800 |
| 15 | | | | | | | | | 52,200 | 40,700 |
| 16 | | | | | | | | | 52,200 | 40,600 |
| 17 | | | | | | | | | 51,400 | 40,500 |
| 18 | | | | | | | | | 50,100 | 40,400 |
| 20 | | | | | | | | | 46,800 | 39,500 |
| 22 | | | | | | | | | 40,200 | 34,800 |
| 24 | | | | | | | | | 34,600 | 30,300 |
| 26 | 21,000 | 23,200 | 24,700 | 24,900 | | | | | 29,800 | 26,100 |
| 28 | 19,100 | 21,200 | 22,700 | 23,000 | 17,300 | 19,400 | | | 26,200 | 22,700 |
| 30 | 17,000 | 19,100 | 20,600 | 20,800 | 16,900 | 19,000 | | | 22,800 | 19,600 |
| 32 | 15,200 | 17,300 | 18,700 | 19,000 | 15,200 | 17,300 | 14,600 | 14,300 | 20,100 | 17,100 |
| 34 | 13,600 | 15,700 | 17,100 | 17,300 | 13,600 | 15,800 | 13,800 | 13,500 | 17,700 | 14,900 |
| 36 | 12,100 | 14,100 | 15,500 | 15,800 | 12,200 | 14,300 | 12,400 | 12,200 | 15,500 | 12,800 |
| 38 | 10,800 | 12,800 | 14,200 | 14,500 | 11,000 | 13,100 | 11,200 | 11,100 | 13,700 | 11,100 |
| 40 | 9,600 | 11,600 | 13,000 | 13,300 | 9,800 | 11,900 | 10,100 | 10,000 | 12,100 | |
| 45 | 7,100 | 9,000 | 10,400 | 10,600 | 7,300 | 9,400 | 7,800 | 7,700 | 8,700 | |
| 50 | | 6,900 | 8,300 | 8,500 | | 7,400 | | 5,800 | | |
| 55 | | | 6,500 | 6,700 | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| * n * | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 4 | 3 |
| % 1 | 92+ | 46+ | 46+ | 0+ | 92+ | 46+ | 92+ | 100+ | 0+ | 46- |
| 2 | 92+ | 92+ | 46+ | 92+ | 92+ | 92+ | 92+ | 100+ | 46- | 46+ |
| 3 | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 100+ | 0+ | 0+ |
| 4 | 46+ | 92+ | 92+ | 92+ | 92+ | 92+ | 92+ | 100+ | 0+ | 0+ |
| 5 | 46+ | 46+ | 92+ | 92+ | 46+ | 92+ | 92+ | 100+ | 0+ | 0+ |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 28 | 28 | 36 | 33 |



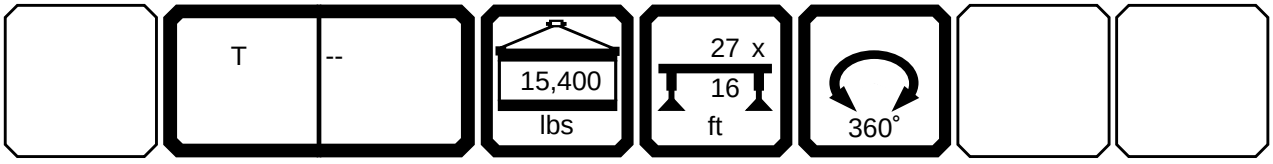
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 82 | 56 | 69 | 82 | 95 | 56 | 95 | 108 | 82 | 95 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | 55,900 | | | | 59,400 | | | | |
| 12 | | 55,900 | | | | 59,400 | | | | |
| 13 | 29,600 | 55,900 | 47,300 | 40,100 | | 59,300 | | | 38,200 | |
| 14 | 29,200 | 55,900 | 47,200 | 39,900 | 28,100 | 59,300 | 39,400 | | 37,800 | 39,000 |
| 15 | 28,800 | 55,900 | 47,000 | 39,700 | 28,000 | 59,300 | 39,300 | | 37,300 | 39,000 |
| 16 | 28,400 | 55,900 | 46,900 | 39,500 | 27,600 | 59,300 | 39,100 | 27,000 | 36,800 | 38,700 |
| 17 | 28,100 | 54,800 | 46,600 | 39,300 | 27,100 | 58,000 | 38,800 | 26,800 | 36,400 | 38,500 |
| 18 | 27,700 | 52,900 | 46,100 | 39,100 | 26,700 | 55,700 | 38,600 | 26,300 | 35,900 | 38,200 |
| 20 | 27,000 | 48,800 | 44,400 | 38,100 | 25,900 | 50,900 | 37,600 | 25,500 | 34,800 | 36,900 |
| 22 | 26,400 | 42,100 | 38,500 | 33,800 | 25,200 | 44,100 | 33,600 | 24,700 | 32,500 | 32,100 |
| 24 | 24,800 | 36,400 | 33,300 | 29,700 | 24,000 | 38,400 | 29,800 | 23,800 | 29,700 | 27,900 |
| 26 | 22,400 | 31,600 | 29,000 | 25,800 | 22,300 | 33,500 | 26,100 | 22,700 | 26,300 | 24,300 |
| 28 | 19,500 | 27,900 | 25,600 | 22,600 | 19,700 | 29,700 | 23,200 | 20,300 | 23,300 | 21,400 |
| 30 | 16,700 | 24,500 | 22,500 | 19,800 | 17,000 | 26,300 | 20,500 | 17,800 | 20,400 | 18,700 |
| 32 | 14,300 | 21,700 | 19,900 | 17,400 | 14,800 | 23,500 | 18,200 | 15,600 | 18,000 | 16,500 |
| 34 | 12,200 | 19,300 | 17,600 | 15,200 | 12,800 | 21,000 | 16,200 | 13,700 | 15,800 | 14,500 |
| 36 | 10,300 | 17,100 | 15,500 | 13,300 | 11,000 | 18,800 | 14,300 | 12,000 | 13,800 | 12,600 |
| 38 | 8,700 | 15,300 | 13,800 | 11,700 | 9,400 | 16,900 | 12,800 | 10,500 | 12,200 | 11,100 |
| 40 | | 13,600 | 12,200 | 10,200 | | 15,200 | 11,300 | | 10,700 | 9,600 |
| 45 | | 10,000 | 9,000 | 7,000 | | 11,300 | 8,300 | | 7,600 | 6,600 |
| 50 | | | 6,500 | | | | | | | |
| 55 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 65 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| * n * | 2 | 4 | 3 | 3 | 2 | 4 | 3 | 2 | 3 | 3 |
| % 1 | 92- | 0+ | 0+ | 46- | 92- | 0+ | 46- | 92- | 0+ | 46- |
| 2 | 46+ | 0+ | 46- | 46+ | 46+ | 0+ | 46- | 46+ | 92- | 92+ |
| 3 | 0+ | 46- | 46+ | 46+ | 46+ | 0+ | 46- | 46+ | 46+ | 46+ |
| 4 | 0+ | 0+ | 0+ | 0+ | 0+ | 46- | 46+ | 46+ | 0+ | 0+ |
| 5 | 0+ | 0+ | 0+ | 0+ | 0+ | 0+ | 0+ | 0+ | 0+ | 0+ |
| ft/s | 33 | 36 | 33 | 33 | 33 | 36 | 33 | 33 | 33 | 33 |



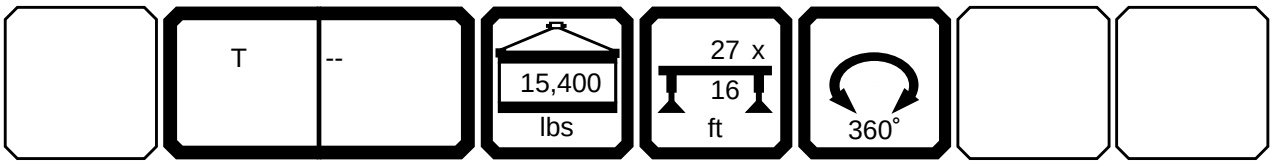
## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 108 | 56 | 69 | 82 | 95 | 108 | 121 | 69 | 82 | 108 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | 62,000 | | | | | | | | |
| 12 | | 62,000 | | | | | | | | |
| 13 | | 62,000 | 57,300 | 53,000 | | | | 48,600 | 56,100 | |
| 14 | | 62,000 | 57,100 | 52,800 | 45,600 | | | 48,300 | 55,900 | |
| 15 | | 62,000 | 56,900 | 52,500 | 45,500 | | | 47,900 | 55,600 | |
| 16 | 26,600 | 62,000 | 56,800 | 52,300 | 45,300 | 38,600 | | 47,500 | 55,400 | 44,800 |
| 17 | 26,400 | 60,500 | 55,700 | 51,300 | 44,800 | 38,500 | | 47,100 | 54,200 | 44,400 |
| 18 | 25,900 | 57,600 | 54,000 | 49,900 | 44,300 | 38,200 | 25,400 | 46,800 | 52,500 | 43,700 |
| 20 | 25,100 | 52,100 | 50,100 | 46,700 | 42,600 | 37,200 | 25,300 | 45,700 | 48,700 | 41,800 |
| 22 | 24,300 | 45,300 | 43,900 | 41,200 | 37,700 | 33,500 | 24,500 | 42,600 | 43,100 | 37,200 |
| 24 | 23,000 | 39,500 | 38,700 | 36,400 | 33,300 | 29,900 | 23,700 | 38,700 | 38,300 | 33,200 |
| 26 | 21,300 | 34,600 | 34,200 | 32,300 | 29,600 | 26,500 | 23,000 | 34,200 | 34,100 | 29,700 |
| 28 | 18,800 | 30,800 | 30,600 | 29,000 | 26,600 | 23,700 | 20,800 | 30,700 | 30,800 | 26,900 |
| 30 | 16,300 | 27,400 | 27,400 | 26,000 | 23,800 | 21,200 | 18,500 | 27,500 | 27,800 | 24,300 |
| 32 | 14,200 | 24,500 | 24,700 | 23,500 | 21,500 | 19,000 | 16,500 | 24,800 | 25,300 | 22,100 |
| 34 | 12,400 | 22,100 | 22,400 | 21,300 | 19,400 | 17,100 | 14,700 | 22,400 | 23,000 | 20,100 |
| 36 | 10,600 | 19,800 | 20,200 | 19,300 | 17,500 | 15,300 | 13,000 | 20,200 | 21,000 | 18,300 |
| 38 | 9,200 | 18,000 | 18,400 | 17,600 | 15,900 | 13,800 | 11,600 | 18,400 | 19,300 | 16,700 |
| 40 | | 16,200 | 16,800 | 16,000 | 14,500 | 12,400 | 10,300 | 16,800 | 17,700 | 15,300 |
| 45 | | 12,200 | 13,400 | 12,800 | 11,400 | 9,500 | 7,500 | 13,400 | 14,400 | 12,300 |
| 50 | | | 10,700 | 10,200 | 8,900 | 7,100 | | 10,700 | 11,800 | 9,900 |
| 55 | | | 8,400 | 8,100 | 6,900 | | | 8,300 | 9,700 | 7,900 |
| 60 | | | | 6,400 | | | | | 7,900 | 6,200 |
| 65 | | | | 5,000 | | | | | 6,300 | 4,900 |
| 70 | | | | | | | | | 5,000 | |
| * n * | 2 | 4 | 4 | 4 | 3 | 3 | 2 | 3 | 4 | 3 |
| 1 | 92- | 0+ | 0+ | 0+ | 0+ | 46- | 92- | 0+ | 0+ | 0+ |
| 2 | 92+ | 0+ | 0+ | 0+ | 46- | 46+ | 46+ | 0+ | 0+ | 46- |
| 3 | 46+ | 0+ | 0+ | 46- | 46+ | 46+ | 46+ | 0+ | 0+ | 46- |
| 4 | 0+ | 0+ | 46- | 46+ | 46+ | 46+ | 46+ | 0+ | 46- | 46+ |
| 5 | 0+ | 46- | 46+ | 46+ | 46+ | 46+ | 46+ | 92- | 92+ | 92+ |
| % | | | | | | | | | | |
| ft/s | 33 | 36 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



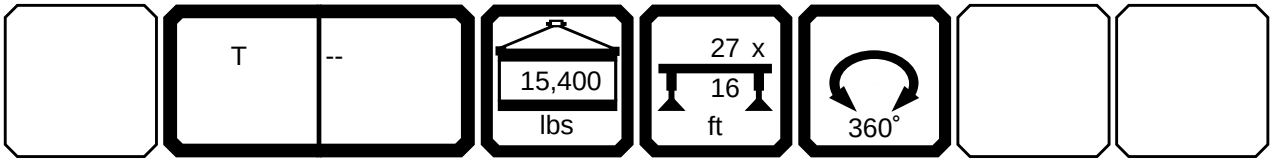
## Main Boom - Outrigger 27' x 16'

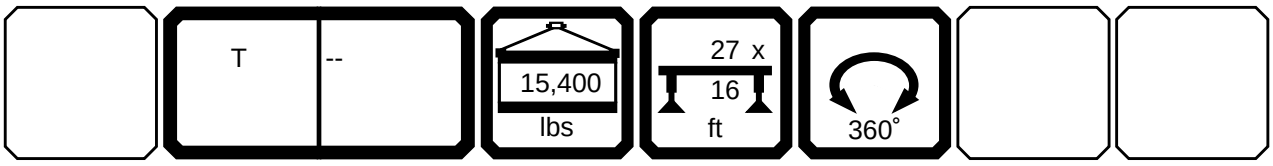
| ft | ft> < lbs CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 121 | 108 | 121 | 135 | 95 | 108 | 121 | 135 | 95 | 121 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | | | | | |
| 14 | | | | | 42,700 | | | | 39,900 | |
| 15 | | | | | 42,600 | | | | 39,800 | |
| 16 | | 34,900 | | | 42,100 | 48,200 | | | 39,300 | |
| 17 | | 34,100 | | | 41,600 | 47,500 | | | 38,800 | |
| 18 | 37,600 | 32,900 | 36,200 | | 41,100 | 46,300 | 40,700 | | 38,300 | 30,200 |
| 20 | 37,100 | 30,700 | 35,600 | | 40,100 | 43,600 | 40,000 | | 37,300 | 30,100 |
| 22 | 33,400 | 29,800 | 31,500 | 23,500 | 39,000 | 39,000 | 35,800 | 30,500 | 36,300 | 29,200 |
| 24 | 30,000 | 28,500 | 27,900 | 22,900 | 36,400 | 34,900 | 32,100 | 28,900 | 33,800 | 27,800 |
| 26 | 26,900 | 26,700 | 24,800 | 21,900 | 32,600 | 31,400 | 28,900 | 26,000 | 30,100 | 25,800 |
| 28 | 24,200 | 24,100 | 22,200 | 19,700 | 29,600 | 28,500 | 26,300 | 23,500 | 27,000 | 23,400 |
| 30 | 21,800 | 21,600 | 19,800 | 17,500 | 26,700 | 25,900 | 23,800 | 21,300 | 24,300 | 21,000 |
| 32 | 19,800 | 19,400 | 17,800 | 15,600 | 24,400 | 23,700 | 21,700 | 19,300 | 21,900 | 18,900 |
| 34 | 17,900 | 17,400 | 15,900 | 13,900 | 22,200 | 21,700 | 19,900 | 17,600 | 19,800 | 17,100 |
| 36 | 16,200 | 15,600 | 14,300 | 12,300 | 20,300 | 19,800 | 18,100 | 15,900 | 17,900 | 15,400 |
| 38 | 14,800 | 14,100 | 12,800 | 11,000 | 18,700 | 18,300 | 16,700 | 14,600 | 16,300 | 14,000 |
| 40 | 13,400 | 12,800 | 11,500 | 9,700 | 17,200 | 16,800 | 15,300 | 13,300 | 14,800 | 12,600 |
| 45 | 10,600 | 9,800 | 8,700 | 7,000 | 14,000 | 13,800 | 12,400 | 10,600 | 11,700 | 9,800 |
| 50 | 8,300 | 7,500 | 6,500 | | 11,500 | 11,400 | 10,100 | 8,400 | 9,200 | 7,500 |
| 55 | 6,400 | | | | 9,400 | 9,400 | 8,200 | 6,500 | 7,200 | |
| 60 | | | | | 7,600 | 7,700 | 6,600 | | | |
| 65 | | | | | 6,200 | 6,200 | 5,200 | | | |
| 70 | | | | | 5,000 | 5,100 | | | | |
| * n * | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 2 |
| 1 | 46- | 0+ | 46- | 92- | 0+ | 0+ | 0+ | 46- | 0+ | 0+ |
| 2 | 46+ | 92- | 92+ | 92+ | 0+ | 0+ | 46- | 46+ | 0+ | 92- |
| 3 | 46+ | 46+ | 46+ | 46+ | 0+ | 46- | 46+ | 46+ | 92- | 92+ |
| 4 | 46+ | 46+ | 46+ | 46+ | 92- | 92+ | 92+ | 92+ | 46+ | 46+ |
| 5 | 92+ | 46+ | 46+ | 46+ | 92+ | 92+ | 92+ | 92+ | 46+ | 46+ |
| % | | | | | | | | | | |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



## Main Boom - Outrigger 27' x 16'

| ft | ft> <lbs CODE 〉0006〈 L138 0500 .x(x) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 135 | 148 | 121 | 135 | 148 | 82 | 108 | 121 | 135 | 148 |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | | | | | | | | | | |
| 13 | | | | | | 44,600 | | | | |
| 14 | | | | | | 44,200 | | | | |
| 15 | | | | | | 43,700 | | | | |
| 16 | | | | | | 43,200 | 38,100 | | | |
| 17 | | | | | | 42,800 | 37,800 | | | |
| 18 | | | 36,000 | | | 42,300 | 37,300 | 39,500 | | |
| 20 | | | 35,800 | | | 41,300 | 36,200 | 38,800 | | |
| 22 | 28,200 | | 34,800 | 32,200 | | 39,600 | 35,100 | 34,600 | 28,200 | |
| 24 | 26,700 | | 32,600 | 30,600 | | 36,700 | 32,800 | 31,000 | 27,200 | |
| 26 | 23,800 | 21,000 | 29,400 | 27,600 | 24,700 | 32,600 | 29,300 | 27,800 | 25,200 | 23,200 |
| 28 | 21,400 | 19,100 | 26,700 | 25,200 | 22,700 | 29,300 | 26,500 | 25,200 | 22,900 | 21,200 |
| 30 | 19,200 | 17,000 | 24,200 | 22,900 | 20,600 | 26,300 | 23,900 | 22,700 | 20,600 | 19,100 |
| 32 | 17,200 | 15,200 | 22,100 | 20,900 | 18,700 | 23,800 | 21,700 | 20,700 | 18,700 | 17,300 |
| 34 | 15,500 | 13,600 | 20,300 | 19,100 | 17,100 | 21,600 | 19,700 | 18,800 | 16,900 | 15,700 |
| 36 | 13,900 | 12,100 | 18,500 | 17,500 | 15,500 | 19,500 | 17,900 | 17,100 | 15,300 | 14,100 |
| 38 | 12,600 | 10,800 | 17,100 | 16,100 | 14,200 | 17,800 | 16,400 | 15,700 | 13,900 | 12,800 |
| 40 | 11,300 | 9,600 | 15,700 | 14,800 | 13,000 | 16,300 | 14,900 | 14,300 | 12,700 | 11,600 |
| 45 | 8,600 | 7,100 | 12,800 | 12,100 | 10,400 | 13,000 | 12,000 | 11,400 | 9,900 | 9,000 |
| 50 | 6,500 | | 10,500 | 9,800 | 8,300 | 10,400 | 9,600 | 9,200 | 7,800 | 6,900 |
| 55 | | | 8,500 | 7,900 | 6,500 | 8,300 | 7,600 | 7,200 | | |
| 60 | | | 6,900 | 6,300 | | 6,500 | | | | |
| 65 | | | 5,500 | 5,000 | | 5,100 | | | | |
| 70 | | | | | | | | | | |
| * n * | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 |
| % 1 | 46- | 92- | 0+ | 0+ | 46- | 0+ | 0+ | 0+ | 0+ | 46- |
| 2 | 92+ | 92+ | 0+ | 46- | 46+ | 0+ | 0+ | 46- | 92- | 92+ |
| 3 | 92+ | 92+ | 92- | 92+ | 92+ | 0+ | 92- | 92+ | 92+ | 92+ |
| 4 | 46+ | 46+ | 92+ | 92+ | 92+ | 92- | 92+ | 92+ | 92+ | 92+ |
| 5 | 46+ | 46+ | 92+ | 92+ | 92+ | 46+ | 46+ | 46+ | 46+ | 46+ |
| ft/s | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |



## Main Boom - Outrigger 27' x 16'

| ft | ft> < lbs | CODE 〉0006〈 | L138 0500 .x(x) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **161** | **148** | **161** | **174** | **184** | | | | | |
| **9**<br>**10** | | | | | | | | | | |
| **11**<br>**12** | | | | | | | | | | |
| **13**<br>**14** | | | | | | | | | | |
| **15**<br>**16** | | | | | | | | | | |
| **17**<br>**18** | | | | | | | | | | |
| **20**<br>**22** | | | | | | | | | | |
| **24**<br>**26** | | 24,900 | | | | | | | | |
| **28**<br>**30** | 17,300<br>16,900 | 23,000<br>20,800 | 19,400<br>19,000 | | | | | | | |
| **32**<br>**34** | 15,200<br>13,600 | 19,000<br>17,300 | 17,300<br>15,800 | 14,600<br>13,800 | 13,200<br>12,800 | | | | | |
| **36**<br>**38** | 12,200<br>11,000 | 15,800<br>14,500 | 14,300<br>13,100 | 12,400<br>11,200 | 12,200<br>11,100 | | | | | |
| **40**<br>**45** | 9,800<br>7,300 | 13,300<br>10,600 | 11,900<br>9,400 | 10,100<br>7,800 | 10,000<br>7,700 | | | | | |
| **50**<br>**55** | | 8,500<br>6,700 | 7,400 | | 5,800 | | | | | |
| **60**<br>**65** | | | | | | | | | | |
| **70** | | | | | | | | | | |
| * n * | 1 | 2 | 2 | 1 | 1 | | | | | |
| % 1<br>2 | 92-<br>92+ | 0+<br>92- | 46-<br>92+ | 92-<br>92- | 100-<br>100- | | | | | |
| 3<br>4 | 92+<br>92+ | 92+<br>92+ | 92+<br>92+ | 92-<br>92- | 100-<br>100- | | | | | |
| 5 | 46+ | 92+ | 92+ | 92- | 100- | | | | | |
| ft/s | 33 | 33 | 33 | 28 | 28 | | | | | |