

## Link-Belt® LS-98A lifting crane capacities

PCSA Class 10-103  
Refer to Notes page 3.

**Boom** — angle; 34" (0.86 m) side, 34" (0.86 m) deep with open throat top section, 1½" (28 mm) diameter boom pendants, retractable high or standard low gantry.

**Mounting** — crawler; 9' 6" (2.90 m) gauge, 15' 1" (4.60 m) overall length.

**Counterweights** — refer to chart below.

| Attachment                    | Counterweights    |           |                |           |                   |           |                |           |
|-------------------------------|-------------------|-----------|----------------|-----------|-------------------|-----------|----------------|-----------|
|                               | "A"               |           |                |           | "AB"              |           |                |           |
|                               | Engine used       |           |                |           | Engine used       |           |                |           |
|                               | Caterpillar 3306T |           | General Motors |           | Caterpillar 3306T |           | General Motors |           |
|                               | Pounds            | kilograms | Pounds         | kilograms | Pounds            | kilograms | Pounds         | kilograms |
| Crane                         | 13,900            | 6 305     | 14,800         | 6 713     | 19,250            | 8 732     | 20,000         | 9 072     |
| Dragline, clamshell or magnet | 13,900            | 6 305     | 14,800         | 6 713     | Not applicable    |           |                |           |

Maximum angle boom or boom + jib machine can lift off ground unassisted — without load.①②

| Standard machine | Counterweight "A" |        |            |               | Counterweight "AB" |        |            |               |
|------------------|-------------------|--------|------------|---------------|--------------------|--------|------------|---------------|
|                  | Boom              |        | Boom + jib |               | Boom               |        | Boom + jib |               |
|                  | Feet              | meters | Feet       | meters        | Feet               | meters | Feet       | meters        |
| Over ends        | 100               | 30.48  | 90 + 40    | 27.43 + 12.19 | 100                | 30.48  | 90 + 40    | 27.43 + 12.19 |
| Over sides       | 100               | 30.48  | 80 + 40    | 24.38 + 12.19 | 100                | 30.48  | 90 + 40    | 27.43 + 12.19 |

① Limited to 95% of available stability with machine standing level on firm supporting surface.

② With 1½" (28 mm) diameter pendants and hook block on ground.

Maximum angle boom or boom + jib machine can lift off ground unassisted③ and travel with, without load. Based on boom horizontal and minimum travel speed on firm, level supporting surface④⑤.

| Standard machine | Counterweight "A" |        |            |               | Counterweight "AB" |        |            |               |
|------------------|-------------------|--------|------------|---------------|--------------------|--------|------------|---------------|
|                  | Boom              |        | Boom + jib |               | Boom               |        | Boom + jib |               |
|                  | Feet              | meters | Feet       | meters        | Feet               | meters | Feet       | meters        |
| Over ends        | 100               | 30.48  | 80 + 40    | 24.38 + 12.19 | 100                | 30.48  | 90 + 40    | 27.43 + 12.19 |
| Over sides       | 90                | 27.43  | 70 + 40    | 21.34 + 12.19 | 100                | 30.48  | 80 + 40    | 24.38 + 12.19 |

③ With 1½" (28 mm) diameter pendants and hook block on ground.

④ Limited to 85% of available stability.

⑤ Hook block carried at boom and jib points. Based on 40-ton (36.28 metric ton), three-sheave, 750 lb. (340.20 kg) hook block, and 6½-ton (5.90 metric ton), single sheave, 140 lb. (63.50 kg) ball with swivel hook.

GENERAL INFORMATION ONLY

# LS-98A lifting crane capacities

Refer to Notes page 3.

**Boom** — angle; 34" (0.86 m) side, 34" (0.86 m) deep with open throat top section, 1 1/8" (28 mm) diameter boom pendants, retractable high or standard low gantry.

**Mounting** — crawler; 9' 6" (2.90 m) gauge, 15' 1" (4.60 m) overall length.

**Counterweights** — refer to counterweight chart page 1.

| Boom             |        |        |        |                    |        | Counterweight "A" |           | Counterweight "AB" |           |
|------------------|--------|--------|--------|--------------------|--------|-------------------|-----------|--------------------|-----------|
| Length           | Radius |        | Angle  | Boom point height① |        |                   |           |                    |           |
|                  | Feet   | meters | Degree | Feet               | meters | Pounds            | kilograms | Pounds             | kilograms |
| 40'<br>(12.19 m) | 10     | 3.05   | 80.2   | 44' 10"            | 13.66  | 68,800            | 31 207    | 80,000             | 36 287    |
|                  | 11     | 3.35   | 78.7   | 44' 8"             | 13.61  | 57,500            | 26 081    | 67,000             | 30 390    |
|                  | 12     | 3.66   | 77.2   | 44' 5"             | 13.54  | 49,400            | 22 407    | 57,500             | 26 081    |
|                  | 13     | 3.96   | 75.8   | 44' 2"             | 13.47  | 43,200            | 19 595    | 50,300             | 22 815    |
|                  | 14     | 4.27   | 74.3   | 43' 11"            | 13.39  | 38,400            | 17 417    | 44,800             | 20 320    |
|                  | 15     | 4.57   | 72.8   | 43' 8"             | 13.30  | 34,500            | 15 648    | 40,200             | 18 234    |
|                  | 16     | 4.88   | 71.3   | 43' 4"             | 13.20  | 31,300            | 14 197    | 36,500             | 16 556    |
|                  | 17     | 5.18   | 69.8   | 42' 11"            | 13.09  | 28,600            | 12 972    | 33,400             | 15 149    |
|                  | 18     | 5.49   | 68.2   | 42' 7"             | 12.97  | 26,300            | 11 929    | 30,800             | 13 970    |
|                  | 19     | 5.79   | 66.7   | 42' 2"             | 12.85  | 24,400            | 11 067    | 28,500             | 12 927    |
|                  | 20     | 6.10   | 65.1   | 41' 8"             | 12.71  | 22,700            | 10 296    | 26,500             | 12 020    |
|                  | 25     | 7.62   | 56.9   | 38' 11"            | 11.87  | 16,700            | 7 574     | 19,600             | 8 890     |
|                  | 30     | 9.14   | 47.9   | 35' 1"             | 10.69  | 13,100            | 5 942     | 15,400             | 6 985     |
|                  | 35     | 10.67  | 37.3   | 29' 8"             | 9.03   | 10,700            | 4 853     | 12,600             | 5 715     |
|                  | 40     | 12.19  | 23.0   | 21' 0"             | 6.41   | 8,900             | 4 036     | 10,600             | 4 808     |
| 50'<br>(15.24 m) | 11     | 3.35   | 81.0   | 54' 10"            | 16.70  | 57,300            | 25 990    | 66,800             | 30 299    |
|                  | 12     | 3.66   | 79.8   | 54' 8"             | 16.65  | 49,200            | 22 316    | 57,300             | 25 990    |
|                  | 13     | 3.96   | 78.7   | 54' 5"             | 16.59  | 43,000            | 19 504    | 50,200             | 22 770    |
|                  | 14     | 4.27   | 77.5   | 54' 3"             | 16.53  | 38,100            | 17 281    | 44,500             | 20 184    |
|                  | 15     | 4.57   | 76.3   | 54' 0"             | 16.46  | 34,200            | 15 512    | 40,000             | 18 143    |
|                  | 16     | 4.88   | 75.1   | 53' 9"             | 16.38  | 31,100            | 14 106    | 36,300             | 16 465    |
|                  | 17     | 5.18   | 73.9   | 53' 6"             | 16.30  | 28,400            | 12 882    | 33,200             | 15 059    |
|                  | 18     | 5.49   | 72.7   | 53' 2"             | 16.21  | 26,100            | 11 838    | 30,500             | 13 834    |
|                  | 19     | 5.79   | 71.5   | 52' 10"            | 16.11  | 24,100            | 10 931    | 28,300             | 12 836    |
|                  | 20     | 6.10   | 70.3   | 52' 6"             | 16.00  | 22,400            | 10 160    | 26,300             | 11 929    |
|                  | 25     | 7.62   | 64.1   | 50' 5"             | 15.36  | 16,400            | 7 438     | 19,300             | 8 754     |
|                  | 30     | 9.14   | 57.5   | 47' 7"             | 14.51  | 12,800            | 5 805     | 15,200             | 6 894     |
|                  | 35     | 10.67  | 50.5   | 44' 0"             | 13.40  | 10,400            | 4 717     | 12,300             | 5 579     |
|                  | 40     | 12.19  | 42.6   | 39' 3"             | 11.96  | 8,600             | 3 900     | 10,300             | 4 672     |
|                  | 50     | 15.24  | 20.5   | 22' 11"            | 6.99   | 6,300             | 2 857     | 7,600              | 3 447     |
| 60'<br>(18.29 m) | 12     | 3.66   | 81.5   | 64' 9"             | 19.74  | 49,000            | 22 226    | 57,100             | 25 900    |
|                  | 13     | 3.96   | 80.6   | 64' 7"             | 19.69  | 42,800            | 19 413    | 50,000             | 22 679    |
|                  | 14     | 4.27   | 79.6   | 64' 5"             | 19.64  | 37,900            | 17 191    | 44,300             | 20 094    |
|                  | 15     | 4.57   | 78.6   | 64' 3"             | 19.58  | 34,000            | 15 422    | 39,800             | 18 052    |
|                  | 16     | 4.88   | 77.7   | 64' 0"             | 19.52  | 30,800            | 13 970    | 36,000             | 16 329    |
|                  | 17     | 5.18   | 76.7   | 63' 10"            | 19.45  | 28,100            | 12 745    | 32,900             | 14 923    |
|                  | 18     | 5.49   | 75.7   | 63' 7"             | 19.37  | 25,800            | 11 702    | 30,300             | 13 743    |
|                  | 19     | 5.79   | 74.7   | 63' 3"             | 19.29  | 23,900            | 10 840    | 28,000             | 12 700    |
|                  | 20     | 6.10   | 73.7   | 63' 0"             | 19.20  | 22,200            | 10 069    | 26,000             | 11 793    |
|                  | 25     | 7.62   | 68.7   | 61' 4"             | 18.69  | 16,200            | 7 348     | 19,000             | 8 618     |
|                  | 30     | 9.14   | 63.4   | 59' 1"             | 18.01  | 12,500            | 5 669     | 14,900             | 6 758     |
|                  | 35     | 10.67  | 58.0   | 56' 3"             | 17.15  | 10,100            | 4 581     | 12,100             | 5 488     |
|                  | 40     | 12.19  | 52.1   | 52' 9"             | 16.09  | 8,400             | 3 810     | 10,000             | 4 535     |
|                  | 50     | 15.24  | 38.7   | 42' 11"            | 13.08  | 6,000             | 2 721     | 7,300              | 3 311     |
|                  | 60     | 18.29  | 18.7   | 24' 8"             | 7.51   | 4,600             | 2 086     | 5,600              | 2 540     |
| 70'<br>(21.34 m) | 13     | 3.96   | 81.9   | 74' 9"             | 22.78  | 44,300            | 20 094    | 51,400             | 23 314    |
|                  | 14     | 4.27   | 81.1   | 74' 7"             | 22.73  | 39,200            | 17 780    | 45,600             | 20 683    |
|                  | 15     | 4.57   | 80.3   | 74' 5"             | 22.68  | 35,200            | 15 966    | 40,900             | 18 551    |
|                  | 16     | 4.88   | 79.4   | 74' 3"             | 22.63  | 31,900            | 14 469    | 37,100             | 16 828    |
|                  | 17     | 5.18   | 78.6   | 74' 0"             | 22.57  | 29,100            | 13 199    | 33,800             | 15 331    |
|                  | 18     | 5.49   | 77.8   | 73' 10"            | 22.50  | 26,700            | 12 110    | 31,200             | 14 152    |
|                  | 19     | 5.79   | 76.9   | 73' 7"             | 22.43  | 24,700            | 11 203    | 28,800             | 13 063    |
|                  | 20     | 6.10   | 76.1   | 73' 4"             | 22.36  | 22,900            | 10 387    | 26,800             | 12 156    |
|                  | 25     | 7.62   | 71.8   | 71' 11"            | 21.92  | 16,700            | 7 574     | 19,500             | 8 845     |
|                  | 30     | 9.14   | 67.5   | 70' 1"             | 21.36  | 12,900            | 5 851     | 15,300             | 6 939     |
|                  | 35     | 10.67  | 63.0   | 67' 9"             | 20.65  | 10,400            | 4 717     | 12,300             | 5 579     |
|                  | 40     | 12.19  | 58.3   | 64' 11"            | 19.79  | 8,600             | 3 900     | 10,300             | 4 672     |
|                  | 50     | 15.24  | 48.0   | 57' 5"             | 17.51  | 6,200             | 2 812     | 7,500              | 3 401     |
|                  | 60     | 18.29  | 35.7   | 46' 3"             | 14.11  | 4,600             | 2 086     | 5,700              | 2 585     |
|                  | 70     | 21.34  | 17.3   | 26' 3"             | 8.00   | 3,600             | 1 632     | 4,500              | 2 041     |
| 80'<br>(24.38 m) | 15     | 4.57   | 81.5   | 84' 6"             | 25.77  | 35,000            | 15 875    | 40,700             | 18 461    |
|                  | 16     | 4.88   | 80.8   | 84' 5"             | 25.72  | 31,700            | 14 378    | 36,900             | 16 737    |
|                  | 17     | 5.18   | 80.0   | 84' 3"             | 25.67  | 28,900            | 13 108    | 33,600             | 15 240    |
|                  | 18     | 5.49   | 79.3   | 84' 0"             | 25.61  | 26,500            | 12 020    | 30,900             | 14 016    |
|                  | 19     | 5.79   | 78.6   | 83' 10"            | 25.55  | 24,400            | 11 067    | 28,600             | 12 972    |
|                  | 20     | 6.10   | 77.9   | 83' 8"             | 25.49  | 22,700            | 10 296    | 26,500             | 12 020    |
|                  | 25     | 7.62   | 74.2   | 82' 5"             | 25.11  | 16,500            | 7 484     | 19,300             | 8 754     |
|                  | 30     | 9.14   | 70.4   | 80' 9"             | 24.62  | 12,700            | 5 760     | 15,000             | 6 803     |
|                  | 35     | 10.67  | 66.6   | 78' 10"            | 24.02  | 10,200            | 4 626     | 12,100             | 5 488     |

①Measured vertically from boom head sheave to ground.

# LS-98A lifting crane capacities — continued

Refer to Notes below.

| Boom              |        |        |        |                    |        | Counterweight "A" |           | Counterweight "AB" |           |
|-------------------|--------|--------|--------|--------------------|--------|-------------------|-----------|--------------------|-----------|
| Length            | Radius |        | Angle  | Boom point height① |        |                   |           |                    |           |
|                   | Feet   | meters | Degree | Feet               | meters | Pounds            | kilograms | Pounds             | kilograms |
| 80'<br>(24.38 m)  | 40     | 12.19  | 62.6   | 76' 5"             | 23.30  | 8,300             | 3 764     | 10,000             | 4 535     |
|                   | 50     | 15.24  | 54.2   | 70' 3"             | 21.42  | 5,900             | 2 676     | 7,200              | 3 265     |
|                   | 60     | 18.29  | 44.7   | 61' 9"             | 18.81  | 4,400             | 1 995     | 5,400              | 2 449     |
|                   | 70     | 21.34  | 33.3   | 49' 5"             | 15.05  | 3,300             | 1 496     | 4,200              | 1 905     |
|                   | 80     | 24.38  | 16.2   | 27' 8"             | 8.44   | 2,500             | 1 133     | 3,300              | 1 496     |
| 90'<br>(27.43 m)  | 16     | 4.88   | 81.8   | 94' 6"             | 28.80  | 31,500            | 14 288    | 36,700             | 16 646    |
|                   | 17     | 5.18   | 81.2   | 94' 4"             | 28.76  | 28,700            | 13 018    | 33,400             | 15 149    |
|                   | 18     | 5.49   | 80.5   | 94' 2"             | 28.71  | 26,300            | 11 929    | 30,700             | 13 925    |
|                   | 19     | 5.79   | 79.9   | 94' 0"             | 28.66  | 24,200            | 10 976    | 28,400             | 12 882    |
|                   | 20     | 6.10   | 79.2   | 93' 10"            | 28.60  | 22,400            | 10 160    | 26,300             | 11 929    |
|                   | 25     | 7.62   | 76.0   | 92' 9"             | 28.26  | 16,200            | 7 348     | 19,100             | 8 663     |
|                   | 30     | 9.14   | 72.7   | 91' 4"             | 27.84  | 12,400            | 5 624     | 14,800             | 6 713     |
|                   | 35     | 10.67  | 69.3   | 89' 7"             | 27.31  | 9,900             | 4 490     | 11,900             | 5 397     |
|                   | 40     | 12.19  | 65.8   | 87' 6"             | 26.68  | 8,100             | 3 674     | 9,800              | 4 445     |
|                   | 50     | 15.24  | 58.6   | 82' 3"             | 25.08  | 5,700             | 2 585     | 7,000              | 3 175     |
|                   | 60     | 18.29  | 50.8   | 75' 2"             | 22.92  | 4,100             | 1 859     | 5,200              | 2 358     |
|                   | 70     | 21.34  | 42.0   | 65' 8"             | 20.02  | 3,000             | 1 360     | 3,900              | 1 769     |
|                   | 80     | 24.38  | 31.4   | 52' 3"             | 15.94  | 2,300             | 1 043     | 3,000              | 1 360     |
|                   | 90     | 27.43  | 15.2   | 29' 1"             | 8.86   | 1,700             | 771       | 2,400              | 1 088     |
| 100'<br>(30.48 m) | 18     | 5.49   | 81.5   | 104' 4"            | 31.79  | 26,100            | 11 838    | 30,500             | 13 834    |
|                   | 19     | 5.79   | 80.9   | 104' 2"            | 31.75  | 24,000            | 10 886    | 28,200             | 12 791    |
|                   | 20     | 6.10   | 80.3   | 104' 0"            | 31.70  | 22,200            | 10 069    | 26,100             | 11 838    |
|                   | 25     | 7.62   | 77.4   | 103' 0"            | 31.40  | 16,000            | 7 257     | 18,900             | 8 572     |
|                   | 30     | 9.14   | 74.4   | 101' 9"            | 31.01  | 12,200            | 5 533     | 14,600             | 6 622     |
|                   | 35     | 10.67  | 71.4   | 100' 3"            | 30.55  | 9,700             | 4 399     | 11,600             | 5 261     |
|                   | 40     | 12.19  | 68.4   | 98' 5"             | 29.99  | 7,800             | 3 538     | 9,500              | 4 309     |
|                   | 50     | 15.24  | 62.1   | 93' 9"             | 28.58  | 5,400             | 2 449     | 6,700              | 3 039     |
|                   | 60     | 18.29  | 55.4   | 87' 8"             | 26.73  | 3,900             | 1 769     | 4,900              | 2 222     |
|                   | 70     | 21.34  | 48.1   | 79' 10"            | 24.32  | 2,800             | 1 270     | 3,700              | 1 678     |
|                   | 80     | 24.38  | 39.8   | 69' 5"             | 21.16  | 2,000             | 907       | 2,800              | 1 270     |
|                   | 90     | 27.43  | 29.7   | 55' 0"             | 16.77  | 1,400             | 635       | 2,100              | 952       |
|                   | 100    | 30.48  | 14.5   | 30' 5"             | 9.26   | —                 | —         | 1,500              | 680       |

①Measured vertically from center of boom head sheave to ground.

## Notes — lifting crane capacities

- Capacities included in this chart are the maximum allowable, and are based on machine standing level on firm supporting surface under ideal job conditions.
- Capacities are based on 75% of minimum tipping loads unless marked with an asterisk (\*).
  - Asterisk indicates capacities based on factors other than those which would cause a tipping condition.
- Capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, and operating speeds.
- Operator must reduce load ratings to take such conditions into account. Deduction from rated capacities must be made for weight of hook block, weighted ball/hook, sling, spreader bar, or other suspended gear.
- For lifting rated loads with booms longer than 60' (18.29 m) retractable high gantry must be used in the elevated position. Standard low gantry or retractable high gantry in lowered position may be used for lifting loads with booms up to 60' (18.29 m).
- Least stable position is over the side.
- Main boom length without jib must not exceed 100' (30.48 m).
- Jib length must not exceed 40' (12.19 m).
- Jib must not be mounted on boom longer than 90' (27.43 m).
- For lifting loads greater than 67,200 lbs. (30 482 kg), up to 80,000 lbs. (36 288 kg) five parts of 3/4" (19 mm) Type "N" wire rope are required.
- These capacities apply only to the machine as originally manufactured and normally equipped by FMC Corporation, Cable Crane and Excavator Division.

GENERAL INFORMATION ONLY

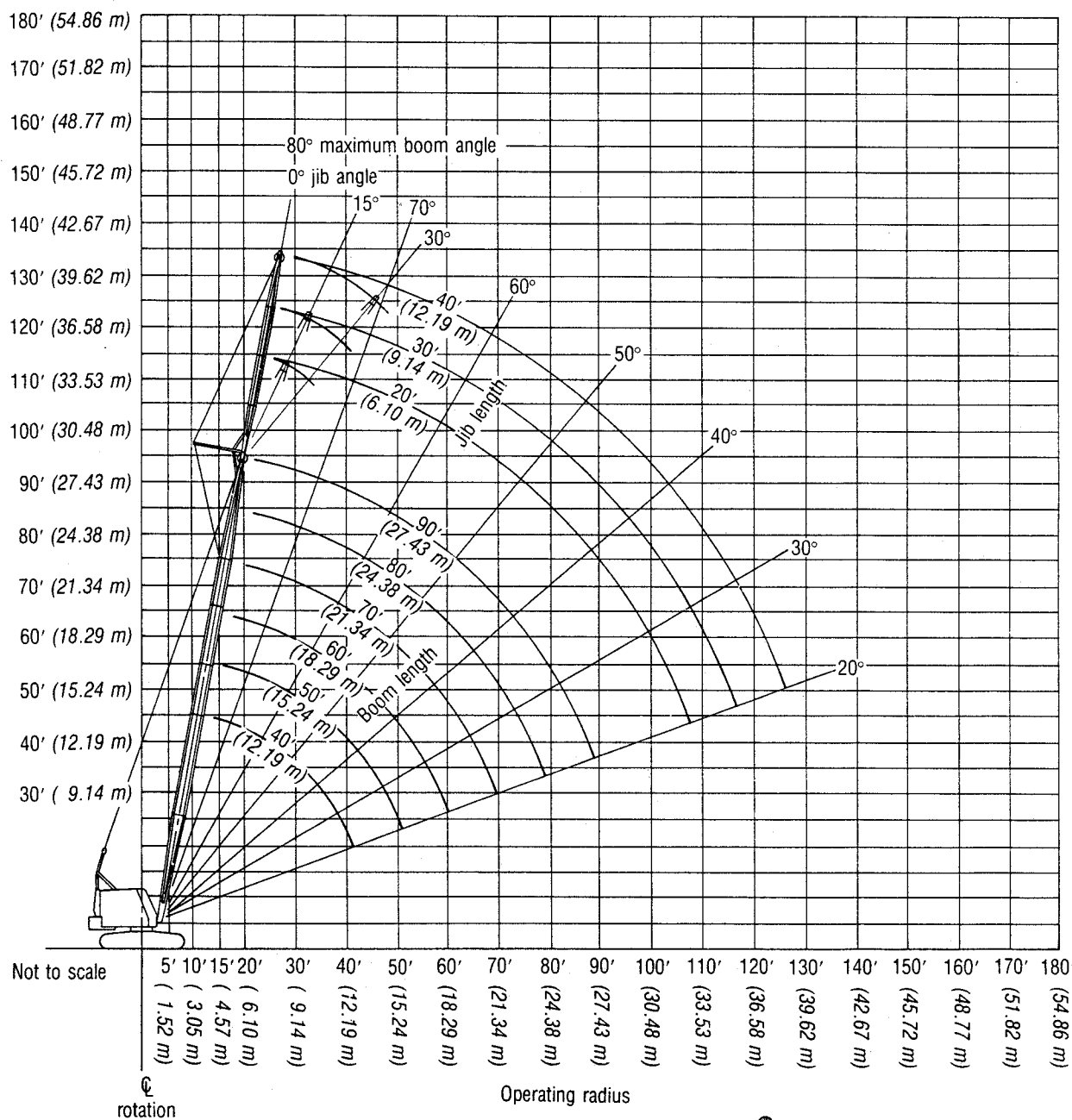
## LS-98A boom/jib working ranges

**Boom** — angle; 34" (0.86 m) wide, 34" (0.86 m) deep with open throat top section 1 1/8" (28 mm) diameter Type "N" boom pendants, retractable high gantry.

**Jib** — angle; 22 3/4" (0.58 m) wide, 18" (0.46 m) deep.

**Mounting** — crawler; 9' 6" (2.90 m) gauge, 15' 1" (4.60 m) overall length.

**Counterweights** — refer to counterweight chart page 1.



GENERAL INFORMATION ONLY

# LS-98A dragline/clamshell/magnet capacities

Refer to Notes below.

**Boom** — angle; 34" (0.86 m) side, 34" (0.86 m) deep with open throat top section, 1½" (28 mm) diameter boom pendants, retractable high or standard low gantry.

**Mounting** — crawler; 9' 6" (2.90 m) gauge, 15' 1" (4.60 m) overall length.

**Counterweights** — based on engine used: 13,900 lbs. (6 305 kg) or 14,800 lbs. (6 713 kg) counterweight "A".

| Boom             |        |        |        |                    |        | Dragline |           | Clamshell/magnet |           |
|------------------|--------|--------|--------|--------------------|--------|----------|-----------|------------------|-----------|
| Length           | Radius |        | Angle  | Boom point height① |        |          |           |                  |           |
|                  | Feet   | meters | Degree | Feet               | meters | Pounds   | kilograms | Pounds           | kilograms |
| 40'<br>(12.19 m) | 10     | 3.05   | 80.2   | 44' 10"            | 13.66  |          |           | 13,600           | 6 168     |
|                  | 11     | 3.35   | 78.7   | 44' 8"             | 13.61  |          |           | 13,600           | 6 168     |
|                  | 12     | 3.66   | 77.2   | 44' 5"             | 13.54  |          |           | 13,600           | 6 168     |
|                  | 13     | 3.96   | 75.8   | 44' 2"             | 13.47  |          |           | 13,600           | 6 168     |
|                  | 14     | 4.27   | 74.3   | 43' 11"            | 13.39  |          |           | 13,600           | 6 168     |
|                  | 15     | 4.57   | 72.8   | 43' 8"             | 13.30  |          |           | 13,600           | 6 168     |
|                  | 16     | 4.88   | 71.3   | 43' 4"             | 13.20  |          |           | 13,600           | 6 168     |
|                  | 17     | 5.18   | 69.8   | 42' 11"            | 13.09  |          |           | 13,600           | 6 168     |
|                  | 18     | 5.49   | 68.2   | 42' 7"             | 12.97  |          |           | 13,600           | 6 168     |
|                  | 19     | 5.79   | 66.7   | 42' 2"             | 12.85  |          |           | 13,600           | 6 168     |
|                  | 20     | 6.10   | 65.1   | 41' 8"             | 12.71  |          |           | 13,600           | 6 168     |
|                  | 25     | 7.62   | 56.9   | 38' 11"            | 11.87  | 11,800   | 5 352     | 13,600           | 6 168     |
|                  | 30     | 9.14   | 47.9   | 35' 1"             | 10.69  | 11,800   | 5 352     | 11,800           | 5 352     |
|                  | 35     | 10.67  | 37.3   | 29' 8"             | 9.03   | 10,700   | 4 853     | 9,600            | 4 354     |
|                  | 40     | 12.19  | 23.0   | 21' 0"             | 6.41   | 8,900*   | 4 036*    | 8,000            | 3 628     |
| 50'<br>(15.24 m) | 11     | 3.35   | 81.0   | 54' 10"            | 16.70  |          |           | 13,600           | 6 168     |
|                  | 12     | 3.66   | 79.8   | 54' 8"             | 16.65  |          |           | 13,600           | 6 168     |
|                  | 13     | 3.96   | 78.7   | 54' 5"             | 16.59  |          |           | 13,600           | 6 168     |
|                  | 14     | 4.27   | 77.5   | 54' 3"             | 16.53  |          |           | 13,600           | 6 168     |
|                  | 15     | 4.57   | 76.3   | 54' 0"             | 16.46  |          |           | 13,600           | 6 168     |
|                  | 16     | 4.88   | 75.1   | 53' 9"             | 16.38  |          |           | 13,600           | 6 168     |
|                  | 17     | 5.18   | 73.9   | 53' 6"             | 16.30  |          |           | 13,600           | 6 168     |
|                  | 18     | 5.49   | 72.7   | 53' 2"             | 16.21  |          |           | 13,600           | 6 168     |
|                  | 19     | 5.79   | 71.5   | 52' 10"            | 16.11  |          |           | 13,600           | 6 168     |
|                  | 20     | 6.10   | 70.3   | 52' 6"             | 16.00  |          |           | 13,600           | 6 168     |
|                  | 25     | 7.62   | 64.1   | 50' 5"             | 15.36  |          |           | 13,600           | 6 168     |
|                  | 30     | 9.14   | 57.5   | 47' 7"             | 14.51  | 11,800   | 5 352     | 11,500           | 5 216     |
|                  | 35     | 10.67  | 50.5   | 44' 0"             | 13.40  | 10,400   | 4 717     | 9,400            | 4 263     |
|                  | 40     | 12.19  | 42.6   | 39' 3"             | 11.96  | 8,600    | 3 900     | 7,700            | 3 492     |
|                  | 50     | 15.24  | 20.5   | 22' 11"            | 6.99   | 6,300*   | 2 857*    | 5,700            | 2 585     |
| 60'<br>(18.29 m) | 12     | 3.66   | 81.5   | 64' 9"             | 19.74  |          |           | 13,600           | 6 168     |
|                  | 13     | 3.96   | 80.6   | 64' 7"             | 19.69  |          |           | 13,600           | 6 168     |
|                  | 14     | 4.27   | 79.6   | 64' 5"             | 19.64  |          |           | 13,600           | 6 168     |
|                  | 15     | 4.57   | 78.6   | 64' 3"             | 19.58  |          |           | 13,600           | 6 168     |
|                  | 16     | 4.88   | 77.7   | 64' 0"             | 19.52  |          |           | 13,600           | 6 168     |
|                  | 17     | 5.18   | 76.7   | 63' 10"            | 19.45  |          |           | 13,600           | 6 168     |
|                  | 18     | 5.49   | 75.7   | 63' 7"             | 19.37  |          |           | 13,600           | 6 168     |
|                  | 19     | 5.79   | 74.7   | 63' 3"             | 19.29  |          |           | 13,600           | 6 168     |
|                  | 20     | 6.10   | 73.7   | 63' 0"             | 19.20  |          |           | 13,600           | 6 168     |
|                  | 25     | 7.62   | 68.7   | 61' 4"             | 18.69  |          |           | 13,600           | 6 168     |
|                  | 30     | 9.14   | 63.4   | 59' 1"             | 18.01  |          |           | 11,300           | 5 125     |
|                  | 35     | 10.67  | 58.0   | 56' 3"             | 17.15  | 10,100   | 4 581     | 9,100            | 4 127     |
|                  | 40     | 12.19  | 52.1   | 52' 9"             | 16.09  | 8,400    | 3 810     | 7,600            | 3 447     |
|                  | 50     | 15.24  | 38.7   | 42' 11"            | 13.08  | 6,000    | 2 721     | 5,400            | 2 449     |
|                  | 60     | 18.29  | 18.7   | 24' 8"             | 7.51   | 4,600*   | 2 086*    | 4,100            | 1 859     |

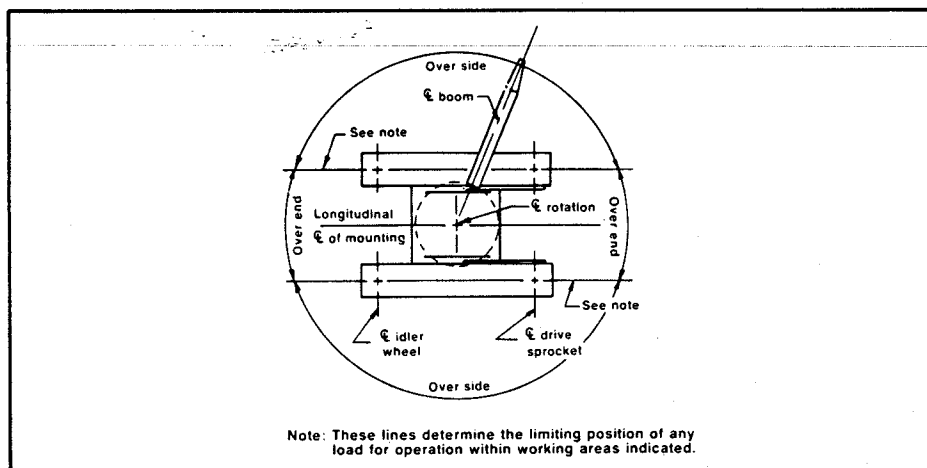
① Measured vertically from center of boom head sheave to ground.

## Notes — dragline/clamshell/magnet capacities

- Capacities shown are maximum recommended by PCSA Standard No. 1, and should be considered as applicable for ideal job conditions. Allowances must be made for soft or uneven supporting surface, rapid cycle operation, bucket suction, or other unfavorable conditions which may require smaller buckets or magnets for most efficient operation. Weights of buckets, magnet, etc., plus load, should not exceed these capacities.
- Dragline capacities do not exceed 75% of minimum tipping loads; clamshell and magnet capacities do not exceed 67½% of minimum tipping loads.
- Dragline operation with boom angle less than 35° is not recommended.
- Maximum boom length permitted for dragline/clamshell/magnet operation is 60' (18.29 m).
- Refer also to Notes — lifting crane capacities, page 3.

GENERAL INFORMATION ONLY

## LS-98A working areas



GENERAL INFORMATION ONLY

We are constantly improving our products and therefore reserve the right to change designs and specifications.



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