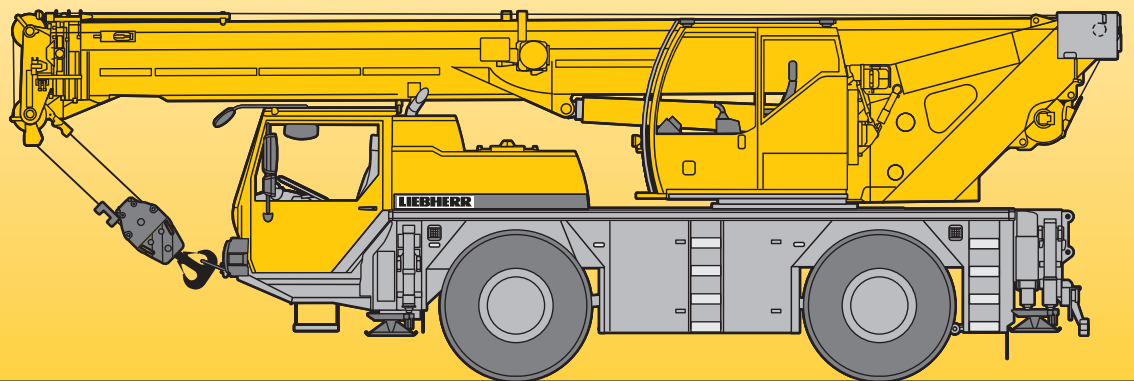


Mobile Crane Grue mobile

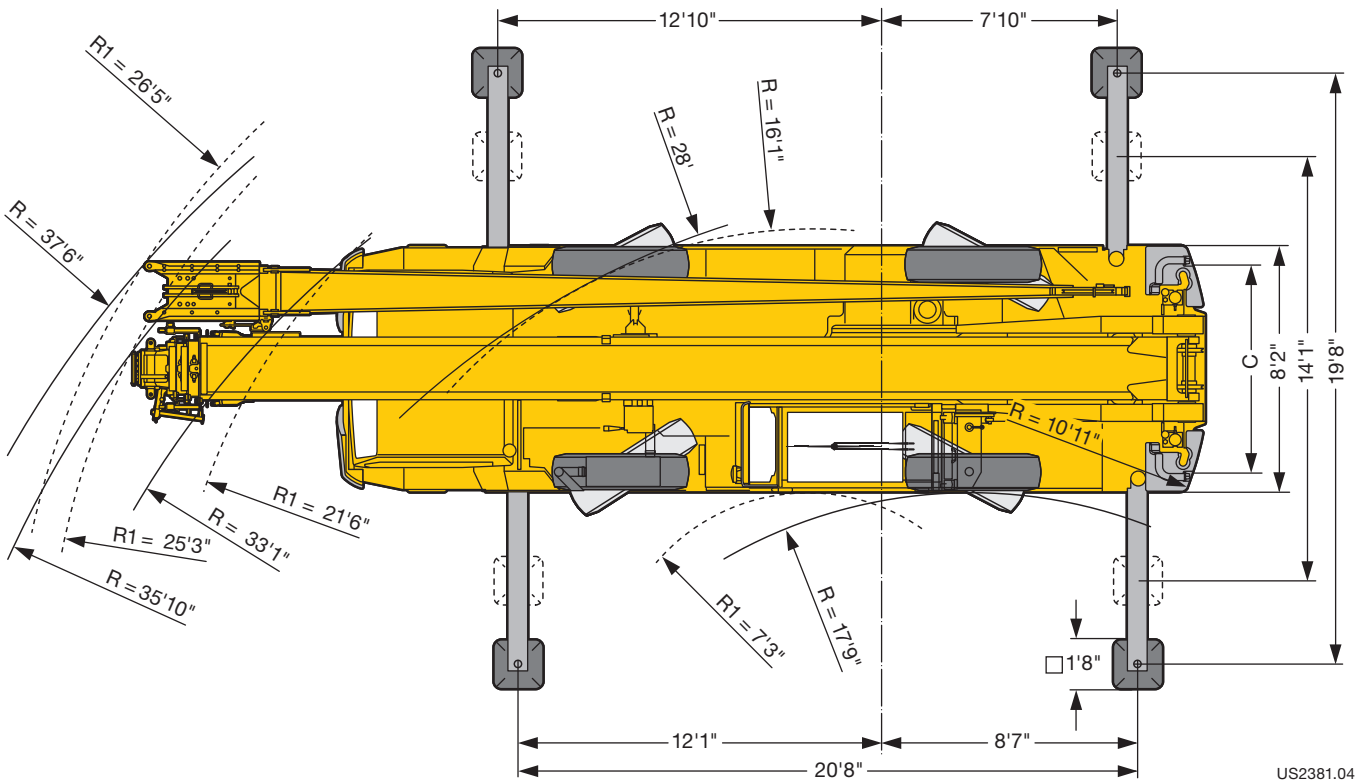
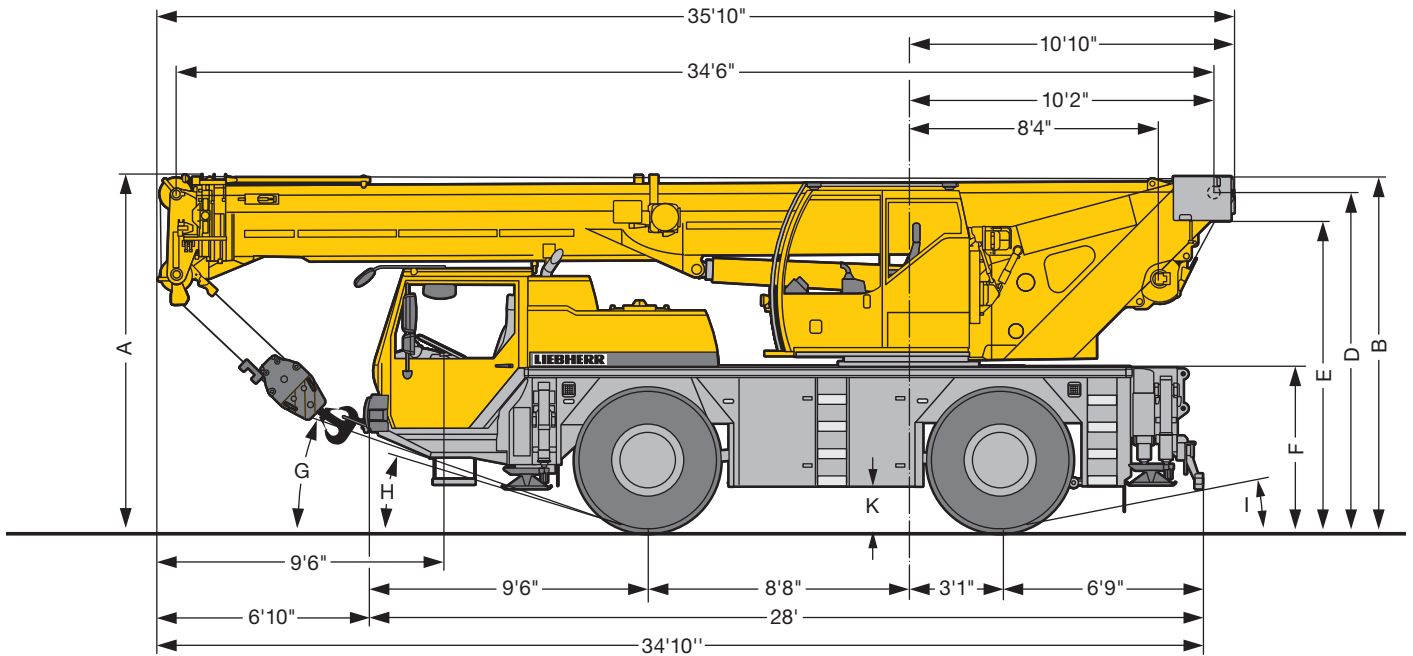
LTM 1040-2.1

Technical Data Caractéristiques techniques



LIEBHERR

Dimensions Encombrement



US2381.04

R₁ = All-wheel steering · Direction toutes roues

| Dimensions · Encombrement | | | | | | | | | | | |
|---------------------------|--------|-------|--------|-------|-------|-------|------|-----|-----|-----|------|
| | A | A | B | C | D | E | F | G | H | I | K |
| 445/95 R 25 (16.00 R 25) | 11'10" | 0'4"* | 11'10" | 6'11" | 11'3" | 10'3" | 5'5" | 19° | 17° | 12° | 1'5" |
| * lowered · abaissé | | | | | | | | | | | |

Weights Poids



| Axle Essieu lbs | 1 | 2 | Total weight lbs Poids total lbs |
|-----------------------|-------|-------|-------------------------------------|
| | 26400 | 26400 | 52800 ¹⁾ |

¹⁾ with 3300 lbs counterweight · avec contrepoids 3300 lbs



| Load kips Forces de levage kips | No. of sheaves Poulies | No. of lines Brins | Weight lbs Poids lbs |
|------------------------------------|---------------------------|-----------------------|-------------------------|
| 77 | 5 | 10 | 584 |
| 49.3 | 3 | 7 | 364 |
| 22 | 1 | 3 | 320 |
| 6.6 | – | 1 | 165 |

Working speeds Vitesses



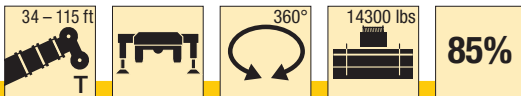
| | 1 | 2 | 3 | 4 | 5 | 6 | R 1 | R 2 |
|--------------------------|-----|-----|------|------|------|------|-----|------|
| mph | 6.5 | 9.9 | 15.8 | 24.2 | 37.9 | 49.7 | 6.5 | 15.8 |
| 60 % | | | | | | | | |
| 445/95 R 25 (16.00 R 25) | | | | | | | | |



| Drive Mécanismes | infinitely variable en continu | Rope diameter / length Diamètre / Longueur du câble | Max. single line pull Effort au brin maxi. |
|---------------------|--|--|---|
| | 0 – 394 ft/min single line ft/min au brin simple | 0.51" / 541 ft | 7645 lbs |
| | 0 – 2.5 rpm | | |
| | approx. 45 seconds to reach 81° boom angle env. 45 s jusqu'à 81° | | |
| | approx. 65 seconds for boom extension from 34 ft – 115 ft env. 65 s pour passer de 34 ft – 115 ft | | |

Lifting capacities Forces de levage

T



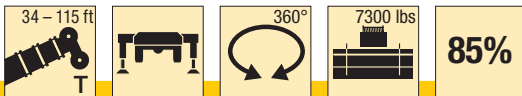
| ft | 34 ft | | 51 ft | | 67 ft | | 83 ft | | 99 ft | | 107 ft | | 115 ft | | ft |
|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|-----|-----|
| | * | | | ** | | ** | | ** | | ** | | ** | | ** | |
| 9 | 86.8 | | | | | | | | | | | | | | 9 |
| 10 | 79 | 74.9 | 43.6 | 34 | | | | | | | | | | | 10 |
| 11 | 75.5 | 70.3 | 44.2 | 34 | 38.2 | 28.9 | | | | | | | | | 11 |
| 12 | 70.9 | 66.2 | 44.8 | 34 | 39.1 | 28.8 | | | | | | | | | 12 |
| 13 | 66.2 | 62.6 | 45.4 | 34 | 39.5 | 28.7 | 33.5 | 23 | | | | | | | 13 |
| 14 | 61.8 | 59.2 | 46.1 | 34 | 40 | 28.6 | 33.9 | 22.8 | 26.1 | 16.7 | | | | | 14 |
| 15 | 57.9 | 56.3 | 46.8 | 34 | 40.6 | 28.6 | 34.3 | 22.7 | 25.9 | 16.5 | | | | | 15 |
| 16 | 54.9 | 53.6 | 47.6 | 34 | 41.1 | 28.4 | 34.5 | 22.5 | 25.7 | 16.4 | 21.9 | 12.4 | | | 16 |
| 17 | 52.1 | 51.1 | 48.5 | 34 | 41.7 | 28.2 | 34.2 | 22.4 | 25.5 | 16.2 | 21.8 | 12.2 | | | 17 |
| 18 | 49.6 | 48.7 | 48.3 | 34 | 41.9 | 27.9 | 33.5 | 22.3 | 25.3 | 16.1 | 21.6 | 12.1 | | | 18 |
| 19 | 47 | 46.5 | 46.9 | 34 | 42 | 27.6 | 32.7 | 22.2 | 25 | 15.9 | 21.5 | 11.9 | | | 19 |
| 20 | 44.5 | 44.2 | 43.7 | 34 | 40.4 | 27.4 | 31.9 | 22.1 | 24.6 | 15.8 | 21.4 | 11.8 | 17.8 | 8.1 | 20 |
| 22 | 38.5 | 38.5 | 38.3 | 34 | 35.6 | 27.4 | 30.6 | 21.9 | 23.7 | 15.5 | 21 | 11.5 | 17.6 | 7.8 | 22 |
| 24 | 28.5 | 28.5 | 34 | 33.5 | 31.8 | 27.3 | 29.1 | 21.7 | 22.7 | 15.2 | 20.4 | 11.2 | 17.3 | 7.6 | 24 |
| 26 | | | 30.5 | 30.5 | 28.6 | 27.2 | 27.1 | 21.4 | 21.8 | 14.9 | 19.8 | 11 | 16.9 | 7.3 | 26 |
| 28 | | | 27.6 | 27.6 | 26 | 26 | 24.7 | 20.8 | 21 | 14.7 | 19.2 | 10.7 | 16.4 | 6.6 | 28 |
| 30 | | | 25.1 | 25.1 | 23.7 | 23.7 | 22.6 | 20.3 | 20.2 | 14.2 | 18.6 | 10.5 | 16 | 6 | 30 |
| 32 | | | 23 | 23 | 21.7 | 21.7 | 20.8 | 19.9 | 19.5 | 13.4 | 18.1 | 10.3 | 15.6 | 5.8 | 32 |
| 34 | | | 21.1 | 21.1 | 20 | 20 | 19.2 | 19.2 | 18.3 | 13.1 | 17.5 | 10 | 15.1 | 5.6 | 34 |
| 36 | | | 19.2 | 19.2 | 18.5 | 18.5 | 17.7 | 17.7 | 17.1 | 12.8 | 16.8 | 9.8 | 14.7 | 5.5 | 36 |
| 38 | | | 17.6 | 17.6 | 17.3 | 17.3 | 16.5 | 16.5 | 15.9 | 12.7 | 15.7 | 9.6 | 14.4 | 5.3 | 38 |
| 40 | | | 15.9 | 15.9 | 16 | 16 | 15.4 | 15.4 | 14.9 | 12.5 | 14.6 | 9.4 | 13.9 | 5.2 | 40 |
| 45 | | | | | 13.6 | 13.6 | 13.1 | 13.1 | 12.6 | 12.1 | 12.5 | 9 | 12.3 | 4.8 | 45 |
| 50 | | | | | 11.5 | 11.5 | 11.3 | 11.3 | 10.9 | 10.9 | 10.8 | 8.6 | 10.6 | 4.5 | 50 |
| 55 | | | | | 9.8 | 9.8 | 9.8 | 9.8 | 9.4 | 9.4 | 9.3 | 8.3 | 9.2 | 4.2 | 55 |
| 60 | | | | | | | 8.5 | 8.5 | 8.3 | 8.3 | 8.2 | 8 | 8 | 3.9 | 60 |
| 65 | | | | | | | 7.4 | 7.4 | 7.3 | 7.3 | 7.2 | 7.2 | 7.1 | 3.2 | 65 |
| 70 | | | | | | | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.4 | 6.2 | 2.6 | 70 |
| 75 | | | | | | | | | 5.6 | 5.6 | 5.6 | 5.6 | 5.5 | 2.1 | 75 |
| 80 | | | | | | | | | 4.9 | 4.9 | 5 | 5 | 4.9 | 1.7 | 80 |
| 85 | | | | | | | | | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | | 85 |
| 90 | | | | | | | | | | | 3.7 | 3.7 | 3.8 | | 90 |
| 95 | | | | | | | | | | | 3.2 | 3 | 3.3 | | 95 |
| 100 | | | | | | | | | | | | | 2.8 | | 100 |

* over rear · en arrière ** telescopable loads · capacités de levage en télescopage

t_196_00227_00_000 / 00181_00_000

Lifting capacities Forces de levage

T



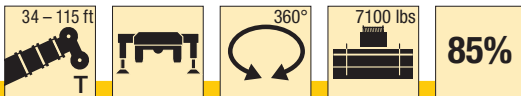
| ft | 34 ft | | 51 ft | | 67 ft | | 83 ft | | 99 ft | | 107 ft | | 115 ft | | ft |
|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|-----|----|
| | | | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | | |
| 10 | 73.8 | 43.6 | 34 | | | | | | | | | | | 10 | |
| 11 | 69.3 | 44.2 | 34 | 38.2 | 28.9 | | | | | | | | | 11 | |
| 12 | 65.3 | 44.8 | 34 | 39.1 | 28.8 | | | | | | | | | 12 | |
| 13 | 61.7 | 45.4 | 34 | 39.5 | 28.7 | 33.5 | 23 | | | | | | | 13 | |
| 14 | 58.4 | 46.1 | 34 | 40 | 28.6 | 33.9 | 22.8 | 26.1 | 16.7 | | | | | 14 | |
| 15 | 55.5 | 46.8 | 34 | 40.6 | 28.6 | 34.3 | 22.7 | 25.9 | 16.5 | | | | | 15 | |
| 16 | 52.8 | 47.3 | 34 | 40.6 | 28.4 | 34.5 | 22.5 | 25.7 | 16.4 | 21.9 | 12.4 | | | 16 | |
| 17 | 49.7 | 44.9 | 34 | 40.5 | 28.2 | 34.2 | 22.4 | 25.5 | 16.2 | 21.8 | 12.2 | | | 17 | |
| 18 | 46.1 | 42 | 34 | 38.4 | 27.9 | 33.4 | 22.3 | 25.3 | 16.1 | 21.6 | 12.1 | | | 18 | |
| 19 | 42.9 | 38.7 | 34 | 35.7 | 27.6 | 32.7 | 22.2 | 25 | 15.9 | 21.5 | 11.9 | | | 19 | |
| 20 | 39.8 | 36 | 34 | 33.3 | 27.4 | 31 | 22.1 | 24.6 | 15.8 | 21.4 | 11.8 | 17.8 | 8.1 | 20 | |
| 22 | 34.6 | 31.5 | 31.5 | 29.3 | 27.2 | 27.5 | 21.9 | 23.7 | 15.5 | 21 | 11.5 | 17.6 | 7.8 | 22 | |
| 24 | 28.4 | 27.8 | 27.8 | 26 | 26 | 24.6 | 21.7 | 22.7 | 15.2 | 20.4 | 11.2 | 17.3 | 7.6 | 24 | |
| 26 | | 24.9 | 24.9 | 23.3 | 23.3 | 22.1 | 21.4 | 20.9 | 14.9 | 19.8 | 11 | 16.9 | 7.3 | 26 | |
| 28 | | 22.4 | 22.4 | 21.1 | 21.1 | 20 | 19.9 | 19.1 | 14.7 | 18.7 | 10.7 | 16.4 | 6.6 | 28 | |
| 30 | | 20.3 | 20.3 | 19.2 | 19.2 | 18.3 | 18.3 | 17.4 | 14.2 | 17.1 | 10.5 | 16 | 6 | 30 | |
| 32 | | 18.6 | 18.6 | 17.5 | 17.5 | 16.8 | 16.8 | 16 | 13.4 | 15.7 | 10.3 | 15.4 | 5.8 | 32 | |
| 34 | | 17 | 17 | 16.1 | 16.1 | 15.4 | 15.4 | 14.8 | 13.1 | 14.5 | 10 | 14.2 | 5.6 | 34 | |
| 36 | | 15.5 | 15.5 | 14.8 | 14.8 | 14.2 | 14.2 | 13.6 | 12.8 | 13.4 | 9.8 | 13.1 | 5.5 | 36 | |
| 38 | | 14.1 | 14.1 | 13.7 | 13.7 | 13.1 | 13.1 | 12.6 | 12.5 | 12.5 | 9.6 | 12.2 | 5.3 | 38 | |
| 40 | | 12.9 | 12.9 | 12.7 | 12.7 | 12.2 | 12.2 | 11.7 | 11.7 | 11.6 | 9.4 | 11.3 | 5.2 | 40 | |
| 45 | | | | 10.6 | 10.6 | 10.1 | 10.1 | 9.8 | 9.8 | 9.7 | 9 | 9.5 | 4.8 | 45 | |
| 50 | | | | 8.9 | 8.9 | 8.6 | 8.6 | 8.3 | 8.3 | 8.2 | 8.2 | 8 | 4.5 | 50 | |
| 55 | | | | 7.4 | 7.4 | 7.3 | 7.3 | 7 | 7 | 7 | 7 | 6.8 | 4.2 | 55 | |
| 60 | | | | | | 6.3 | 6.3 | 6 | 6 | 5.9 | 5.9 | 5.8 | 3.9 | 60 | |
| 65 | | | | | | 5.3 | 5.3 | 5.2 | 5.2 | 5.1 | 5.1 | 5 | 3.2 | 65 | |
| 70 | | | | | | 4.4 | 4.4 | 4.5 | 4.5 | 4.4 | 4.4 | 4.3 | 2.6 | 70 | |
| 75 | | | | | | | | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 2.1 | 75 | |
| 80 | | | | | | | | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 1.7 | 80 | |
| 85 | | | | | | | | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | | 85 | |
| 90 | | | | | | | | | | 2.3 | 2.3 | 2.3 | | 90 | |
| 95 | | | | | | | | | | 1.9 | 1.9 | 1.9 | | 95 | |
| 100 | | | | | | | | | | | | 1.5 | | 100 | |

with 4-parted additional counterweight · avec contrepoids additionnel en quatre éléments ** telescopic loads · capacités de levage en télescopage

t_196_00185_00_000

Lifting capacities Forces de levage

T



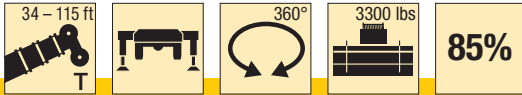
| ft | 34 ft | | 51 ft | | 67 ft | | 83 ft | | 99 ft | | 107 ft | | 115 ft | | ft |
|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|-----|----|
| | | | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | ** | | |
| 10 | 73.8 | 43.6 | 34 | | | | | | | | | | | 10 | |
| 11 | 69.3 | 44.2 | 34 | 38.2 | 28.9 | | | | | | | | | 11 | |
| 12 | 65.2 | 44.8 | 34 | 39.1 | 28.8 | | | | | | | | | 12 | |
| 13 | 61.6 | 45.4 | 34 | 39.5 | 28.7 | 33.5 | 23 | | | | | | | 13 | |
| 14 | 58.3 | 46.1 | 34 | 40 | 28.6 | 33.9 | 22.8 | 26.1 | 16.7 | | | | | 14 | |
| 15 | 55.4 | 46.8 | 34 | 40.6 | 28.6 | 34.3 | 22.7 | 25.9 | 16.5 | | | | | 15 | |
| 16 | 52.7 | 47.3 | 34 | 40.5 | 28.4 | 34.5 | 22.5 | 25.7 | 16.4 | 21.9 | 12.4 | | | 16 | |
| 17 | 49.5 | 44.7 | 34 | 40.3 | 28.2 | 34.2 | 22.4 | 25.5 | 16.2 | 21.8 | 12.2 | | | 17 | |
| 18 | 46 | 41.7 | 34 | 38.2 | 27.9 | 33.4 | 22.3 | 25.3 | 16.1 | 21.6 | 12.1 | | | 18 | |
| 19 | 42.6 | 38.5 | 34 | 35.4 | 27.6 | 32.5 | 22.2 | 25 | 15.9 | 21.5 | 11.9 | | | 19 | |
| 20 | 39.5 | 35.8 | 34 | 33.1 | 27.4 | 30.8 | 22.1 | 24.6 | 15.8 | 21.4 | 11.8 | 17.8 | 8.1 | 20 | |
| 22 | 34.4 | 31.3 | 31.3 | 29.1 | 27.1 | 27.4 | 21.9 | 23.7 | 15.5 | 21 | 11.5 | 17.6 | 7.8 | 22 | |
| 24 | 28.3 | 27.6 | 27.6 | 25.8 | 25.8 | 24.4 | 21.7 | 22.7 | 15.2 | 20.4 | 11.2 | 17.3 | 7.6 | 24 | |
| 26 | | 24.7 | 24.7 | 23.2 | 23.2 | 21.9 | 21.4 | 20.8 | 14.9 | 19.7 | 11 | 16.9 | 7.3 | 26 | |
| 28 | | 22.2 | 22.2 | 20.9 | 20.9 | 19.9 | 19.8 | 19 | 14.7 | 18.5 | 10.7 | 16.4 | 6.6 | 28 | |
| 30 | | 20.2 | 20.2 | 19 | 19 | 18.2 | 18.2 | 17.3 | 14.2 | 17 | 10.5 | 16 | 6 | 30 | |
| 32 | | 18.4 | 18.4 | 17.4 | 17.4 | 16.6 | 16.6 | 15.9 | 13.4 | 15.6 | 10.3 | 15.2 | 5.8 | 32 | |
| 34 | | 16.9 | 16.9 | 16 | 16 | 15.3 | 15.3 | 14.7 | 13.1 | 14.4 | 10 | 14.1 | 5.6 | 34 | |
| 36 | | 15.3 | 15.3 | 14.7 | 14.7 | 14.1 | 14.1 | 13.5 | 12.8 | 13.3 | 9.8 | 13.1 | 5.5 | 36 | |
| 38 | | 14 | 14 | 13.6 | 13.6 | 13.1 | 13.1 | 12.6 | 12.4 | 12.4 | 9.6 | 12.1 | 5.3 | 38 | |
| 40 | | 12.8 | 12.8 | 12.6 | 12.6 | 12.1 | 12.1 | 11.7 | 11.7 | 11.5 | 9.4 | 11.2 | 5.2 | 40 | |
| 45 | | | | 10.5 | 10.5 | 10.1 | 10.1 | 9.7 | 9.7 | 9.6 | 9 | 9.4 | 4.8 | 45 | |
| 50 | | | | 8.8 | 8.8 | 8.5 | 8.5 | 8.2 | 8.2 | 8.1 | 8.1 | 7.9 | 4.5 | 50 | |
| 55 | | | | 7.3 | 7.3 | 7.2 | 7.2 | 7 | 7 | 6.9 | 6.9 | 6.8 | 4.2 | 55 | |
| 60 | | | | | | 6.2 | 6.2 | 6 | 6 | 5.9 | 5.9 | 5.8 | 3.9 | 60 | |
| 65 | | | | | | 5.2 | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5 | 3.2 | 65 | |
| 70 | | | | | | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | 2.6 | 70 | |
| 75 | | | | | | | | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 2.1 | 75 | |
| 80 | | | | | | | | 3.2 | 3.2 | 3.2 | 3.2 | 3.1 | 1.7 | 80 | |
| 85 | | | | | | | | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | | 85 | |
| 90 | | | | | | | | | | 2.2 | 2.2 | 2.2 | | 90 | |
| 95 | | | | | | | | | | 1.8 | 1.8 | 1.8 | | 95 | |
| 100 | | | | | | | | | | | | 1.5 | | 100 | |

** telescopic loads · capacités de levage en télescopage

t_196_00186_00_000

Lifting capacities Forces de levage

T



| ft | 34 ft | | 51 ft | | 67 ft | | 83 ft | | 99 ft | | 107 ft | | 115 ft | | ft |
|----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|----|----|
| | | | ** | | ** | | ** | | ** | | ** | | ** | | |
| 10 | 73.2 | 43.6 | 34 | | | | | | | | | | | 10 | |
| 11 | 68.7 | 44.2 | 34 | 38.2 | 28.9 | | | | | | | | | 11 | |
| 12 | 64.7 | 44.8 | 34 | 39.1 | 28.8 | | | | | | | | | 12 | |
| 13 | 61.1 | 45.4 | 34 | 39.5 | 28.7 | 33.5 | 23 | | | | | | | 13 | |
| 14 | 57.8 | 46.1 | 34 | 40 | 28.6 | 33.9 | 22.8 | 26.1 | 16.7 | | | | | 14 | |
| 15 | 54.7 | 45.5 | 34 | 40.6 | 28.6 | 34.3 | 22.7 | 25.9 | 16.5 | | | | | 15 | |
| 16 | 49.5 | 43.8 | 34 | 38.6 | 28.4 | 34.5 | 22.5 | 25.7 | 16.4 | 21.9 | 12.4 | | | 16 | |
| 17 | 44.9 | 40.2 | 34 | 36.3 | 28.2 | 33.5 | 22.4 | 25.5 | 16.2 | 21.8 | 12.2 | | | 17 | |
| 18 | 40.8 | 36.9 | 34 | 33.8 | 27.9 | 31.1 | 22.3 | 25.3 | 16.1 | 21.6 | 12.1 | | | 18 | |
| 19 | 37.7 | 34 | 33.7 | 31.4 | 27.6 | 29 | 22.2 | 25 | 15.9 | 21.5 | 11.9 | | | 19 | |
| 20 | 34.9 | 31.6 | 31.5 | 29.3 | 27.2 | 27.2 | 22.1 | 24.5 | 15.8 | 21.4 | 11.8 | 17.8 | 8.1 | 20 | |
| 22 | 30.3 | 27.5 | 27.5 | 25.6 | 25.6 | 24.1 | 21.9 | 22.6 | 15.5 | 21 | 11.5 | 17.6 | 7.8 | 22 | |
| 24 | 26 | 24.3 | 24.3 | 22.7 | 22.7 | 21.5 | 21.1 | 20.2 | 15.2 | 19.7 | 11.2 | 17.3 | 7.6 | 24 | |
| 26 | | 21.6 | 21.6 | 20.3 | 20.3 | 19.2 | 19.2 | 18.2 | 14.9 | 17.8 | 11 | 16.8 | 7.3 | 26 | |
| 28 | | 19.4 | 19.4 | 18.3 | 18.3 | 17.4 | 17.4 | 16.6 | 14.7 | 16.2 | 10.7 | 15.7 | 6.6 | 28 | |
| 30 | | 17.6 | 17.6 | 16.6 | 16.6 | 15.8 | 15.8 | 15 | 14.2 | 14.7 | 10.5 | 14.3 | 6 | 30 | |
| 32 | | 16 | 16 | 15 | 15 | 14.3 | 14.3 | 13.7 | 13.4 | 13.4 | 10.3 | 13.1 | 5.8 | 32 | |
| 34 | | 14.5 | 14.5 | 13.7 | 13.7 | 13.1 | 13.1 | 12.5 | 12.5 | 12.3 | 10 | 12 | 5.6 | 34 | |
| 36 | | 13.3 | 13.3 | 12.5 | 12.5 | 11.9 | 11.9 | 11.5 | 11.5 | 11.3 | 9.8 | 11 | 5.5 | 36 | |
| 38 | | 12 | 12 | 11.5 | 11.5 | 11 | 11 | 10.6 | 10.6 | 10.4 | 9.6 | 10.2 | 5.3 | 38 | |
| 40 | | 10.9 | 10.9 | 10.5 | 10.5 | 10.1 | 10.1 | 9.7 | 9.7 | 9.6 | 9.3 | 9.4 | 5.2 | 40 | |
| 45 | | | | 8.7 | 8.7 | 8.3 | 8.3 | 8 | 8 | 7.9 | 7.9 | 7.8 | 4.8 | 45 | |
| 50 | | | | 7.2 | 7.2 | 6.9 | 6.9 | 6.7 | 6.7 | 6.6 | 6.6 | 6.5 | 4.5 | 50 | |
| 55 | | | | 5.9 | 5.9 | 5.8 | 5.8 | 5.6 | 5.6 | 5.5 | 5.5 | 5.4 | 4.2 | 55 | |
| 60 | | | | | | 4.9 | 4.9 | 4.7 | 4.7 | 4.6 | 4.6 | 4.5 | 3.9 | 60 | |
| 65 | | | | | | 4.1 | 4.1 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.2 | 65 | |
| 70 | | | | | | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 2.6 | 70 | |
| 75 | | | | | | | | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 | 2.1 | 75 | |
| 80 | | | | | | | | | | 2.2 | 2.2 | 2.2 | 1.7 | 80 | |
| 85 | | | | | | | | | | 1.8 | 1.8 | 1.8 | 1.8 | 85 | |
| 90 | | | | | | | | | | | | 1.4 | 1.4 | 90 | |

** telescopic loads - capacités de levage en télescopage

t_196_00189_00_000

Lifting capacities Forces de levage

T

| | | 34 - 51 ft | | 0° | | 14300 lbs 3300 lbs | | 85% | |
|----|----|------------|----------|-----------|----------|-----------------------|--|-----|----|
| | | 34 ft | | | 51 ft | | | | |
| | | 14300 lbs | 3300 lbs | 14300 lbs | 3300 lbs | | | | |
| ft | ft | | | | | | | ft | ft |
| 10 | | 26.6 | 24.3 | 27.2 | 23.3 | | | 10 | |
| 11 | | 24.7 | 22.5 | 25.3 | 21.1 | | | 11 | |
| 12 | | 23 | 20.9 | 23.7 | 19.3 | | | 12 | |
| 13 | | 21.4 | 19.4 | 22.1 | 17.7 | | | 13 | |
| 14 | | 20.1 | 17.5 | 20.7 | 16.3 | | | 14 | |
| 15 | | 18.8 | 15.8 | 19.4 | 15 | | | 15 | |
| 16 | | 17.7 | 14.3 | 18.3 | 13.9 | | | 16 | |
| 17 | | 16.7 | 12.9 | 17.3 | 12.9 | | | 17 | |
| 18 | | 15.7 | 11.7 | 16.3 | 12 | | | 18 | |
| 19 | | 14.8 | 10.7 | 15.5 | 11 | | | 19 | |
| 20 | | 14 | 9.8 | 14.6 | 10.2 | | | 20 | |
| 22 | | 12.6 | 8.2 | 13.1 | 8.8 | | | 22 | |
| 24 | | 11.4 | 7 | 11.9 | 7.6 | | | 24 | |
| 26 | | | | 10.7 | 6.5 | | | 26 | |
| 28 | | | | 9.4 | 5.7 | | | 28 | |
| 30 | | | | 8.5 | 5 | | | 30 | |
| 32 | | | | 7.6 | 4.4 | | | 32 | |
| 34 | | | | 6.8 | 3.8 | | | 34 | |
| 36 | | | | 6.2 | 3.4 | | | 36 | |
| 38 | | | | 5.6 | 2.9 | | | 38 | |
| 40 | | | | 5.1 | 2.6 | | | 40 | |

0° = over rear · en arrière

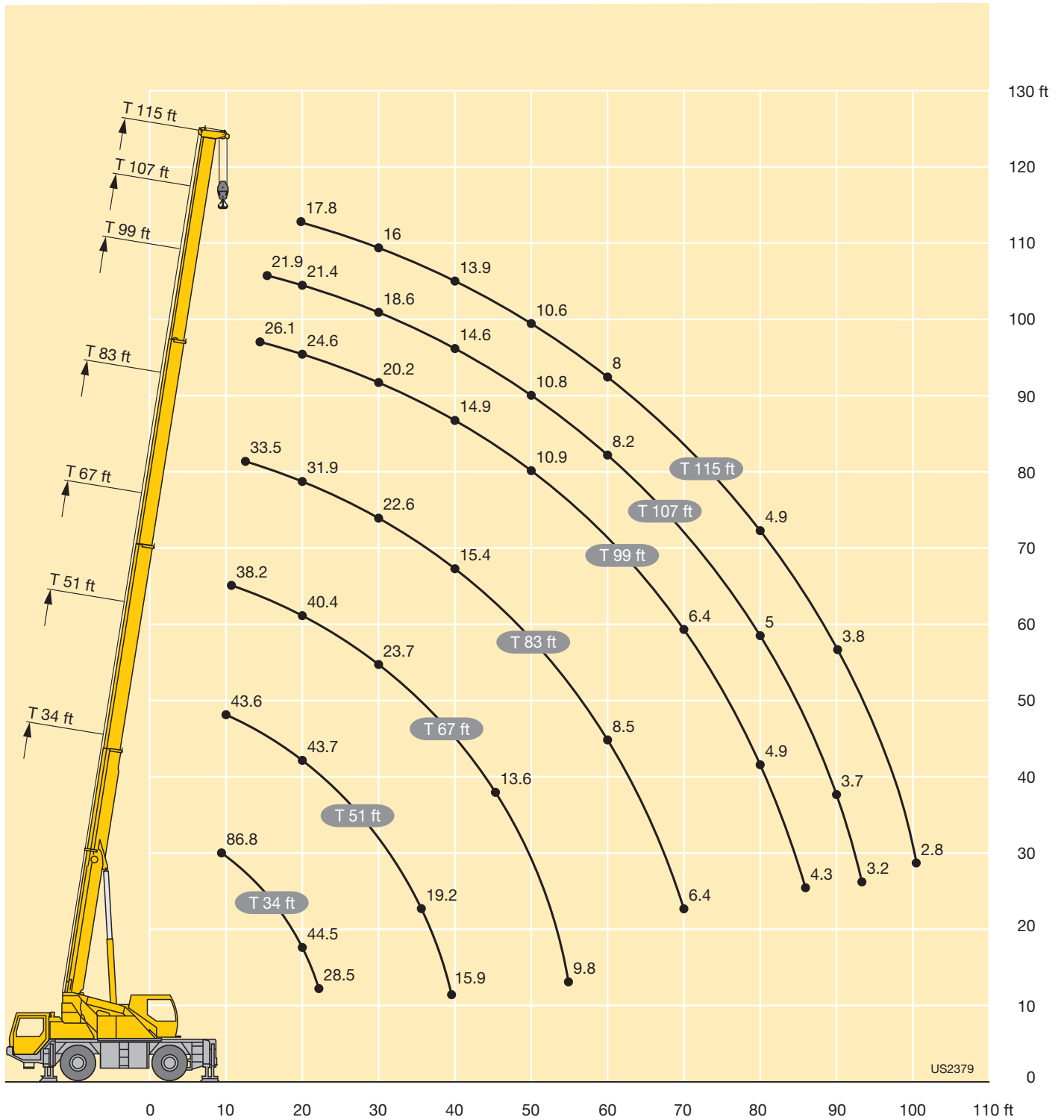
t_196_00129_00_000 / 00136_00_000

| | | 34 - 51 ft | | 360° | | 7300 lbs 7100 lbs 3300 lbs | | 85% | |
|----|----|------------|----------|----------|----------|----------------------------------|----------|-----|----|
| | | 34 ft | | | 51 ft | | | | |
| | | 7300 lbs | 7100 lbs | 3300 lbs | 7300 lbs | 7100 lbs | 3300 lbs | | |
| ft | ft | | | | | | | ft | ft |
| 10 | | 18.6 | 18.4 | 15 | | | 15.9 | 10 | |
| 11 | | 16.3 | 16 | 12.9 | | | 13.8 | 11 | |
| 12 | | 14.3 | 14.1 | 11.3 | | | 12.2 | 12 | |
| 13 | | 12.7 | 12.5 | 9.9 | | | 10.7 | 13 | |
| 14 | | 11.3 | 11.2 | 8.8 | | | 9.6 | 14 | |
| 15 | | 10.2 | 10 | 7.8 | | | 8.6 | 15 | |
| 16 | | 9.2 | 9.1 | 7 | | | 7.7 | 16 | |
| 17 | | 8.3 | 8.2 | 6.2 | | | 6.9 | 17 | |
| 18 | | 7.5 | 7.4 | 5.5 | 8.2 | 8.1 | 6.3 | 18 | |
| 19 | | 6.8 | 6.7 | 4.9 | 7.5 | 7.4 | 5.6 | 19 | |
| 20 | | 6.2 | 6 | 4.3 | 6.9 | 6.8 | 5.1 | 20 | |
| 22 | | 5 | 4.9 | 3.4 | 5.8 | 5.7 | 4.1 | 22 | |
| 24 | | 4.1 | 4 | 2.6 | 4.8 | 4.7 | 3.3 | 24 | |
| 26 | | | | | 4 | 4 | 2.6 | 26 | |
| 28 | | | | | 3.3 | 3.3 | 1.8 | 28 | |
| 30 | | | | | 2.8 | 2.7 | | 30 | |
| 32 | | | | | 2.3 | 2.2 | | 32 | |
| 34 | | | | | 1.7 | 1.6 | | 34 | |

t_196_00171_00_000/00149_00_000/00152_00_000

Lifting heights Hauteurs de levage

T



US2379

Lifting capacities on the folding jib Forces de levage à la fléchette pliante

TK



| ft | 34 ft | | | | 83 ft | | | | | | | | 99 ft | | | | | | | | ft | |
|-----|-------|------|-----|-----|-------|------|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-----|-----|-----|-----|----|-----|
| | 31 ft | | | | 31 ft | | | | | | | | 31 ft | | | | | | | | | |
| | 0° | 20° | 40° | 60° | 0° | ** | 20° | ** | 40° | ** | 60° | ** | 0° | ** | 20° | ** | 40° | ** | 60° | ** | | |
| 10 | 14.6 | | | | | | | | | | | | | | | | | | | | 10 | |
| 11 | 14.6 | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | 14.6 | | | | | | | | | | | | | | | | | | | | | 12 |
| 13 | 14.6 | 10.3 | | | | | | | | | | | | | | | | | | | | 13 |
| 14 | 14.6 | 10 | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | 14.5 | 9.7 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 15 |
| 16 | 14.3 | 9.4 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 16 |
| 17 | 14.1 | 9.2 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 17 |
| 18 | 13.6 | 8.9 | | | 14.5 | 14.5 | | | | | | | | | | | | | | | | 18 |
| 19 | 13.1 | 8.6 | | | 14.5 | 14.5 | | | | | | | 12.2 | 12.2 | | | | | | | | 19 |
| 20 | 12.8 | 8.2 | | | 14.4 | 14.4 | | | | | | | 12.1 | 12.1 | | | | | | | | 20 |
| 22 | 12.2 | 7.6 | 7.1 | | 14 | 14 | | | | | | | 12 | 12 | | | | | | | | 22 |
| 24 | 11.5 | 7.3 | 6.8 | | 13.5 | 13.5 | | | | | | | 11.8 | 11.8 | | | | | | | | 24 |
| 26 | 10.9 | 7 | 6.6 | | 13 | 13 | 9.6 | 9.6 | | | | | 11.6 | 11.6 | | | | | | | | 26 |
| 28 | 10.3 | 6.7 | 6.3 | 5.9 | 12.5 | 12.5 | 9.3 | 9.3 | | | | | 11.3 | 11.3 | 8.7 | 8.7 | | | | | | 28 |
| 30 | 9.8 | 6.4 | 6.1 | 5.8 | 12.1 | 12.1 | 9 | 9 | | | | | 10.9 | 10.9 | 8.3 | 8.3 | | | | | | 30 |
| 32 | 9.3 | 6.2 | 5.9 | 5.7 | 11.7 | 11.7 | 8.7 | 8.7 | 7.1 | 7.1 | | | 10.6 | 10.6 | 8 | 8 | | | | | | 32 |
| 34 | 8.9 | 6 | 5.7 | 5.6 | 11.3 | 11.3 | 8.3 | 8.3 | 6.9 | 6.9 | | | 10.3 | 10.3 | 7.6 | 7.6 | | | | | | 34 |
| 36 | 8.5 | 5.7 | 5.6 | 5.6 | 10.9 | 10.9 | 8 | 8 | 6.8 | 6.8 | | | 9.9 | 9.9 | 7.4 | 7.4 | | | | | | 36 |
| 38 | 8.1 | 5.5 | 5.4 | 5.5 | 10.5 | 10.5 | 7.6 | 7.6 | 6.6 | 6.6 | 5.7 | 5.7 | 9.6 | 9.6 | 7.2 | 7.2 | | | | | | 38 |
| 40 | 7.7 | 5.4 | 5.3 | 5.5 | 10.1 | 10.1 | 7.4 | 7.4 | 6.5 | 6.5 | 5.7 | 5.7 | 9.3 | 9.3 | 7 | 7 | 6.1 | 6.1 | | | | 40 |
| 45 | 6.7 | 5 | 5 | | 9.2 | 9.2 | 7 | 7 | 6.2 | 6.2 | 5.6 | 5.6 | 8.5 | 8.5 | 6.6 | 6.6 | 5.9 | 5.9 | 5.4 | 5.4 | | 45 |
| 50 | 6 | 4.7 | | | 8.5 | 8.5 | 6.6 | 6.6 | 5.9 | 5.9 | 5.5 | 5.5 | 7.7 | 7.7 | 6.3 | 6.3 | 5.6 | 5.6 | 5.2 | 5.2 | | 50 |
| 55 | 5.6 | | | | 7.7 | 7.7 | 6.3 | 6.3 | 5.7 | 5.7 | 5.4 | 5.4 | 7.2 | 7.2 | 6 | 6 | 5.4 | 5.4 | 5.1 | 5.1 | | 55 |
| 60 | | | | | 7 | 7 | 6 | 6 | 5.5 | 5.5 | 5.3 | 5.3 | 6.8 | 6.8 | 5.7 | 5.7 | 5.2 | 5.2 | 4.9 | 4.9 | | 60 |
| 65 | | | | | 6.6 | 6.6 | 5.6 | 5.6 | 5.3 | 5.3 | | | 6.4 | 6.4 | 5.4 | 5.4 | 5 | 5 | 4.8 | 4.8 | | 65 |
| 70 | | | | | 6.2 | 6.2 | 5.4 | 5.4 | 5.1 | 5.1 | | | 6 | 6 | 5.2 | 5.2 | 4.9 | 4.9 | 4.7 | 4.7 | | 70 |
| 75 | | | | | 5.7 | 5.7 | 5.2 | 5.2 | 5 | 5 | | | 5.4 | 5.4 | 4.9 | 4.9 | 4.7 | 4.7 | | | | 75 |
| 80 | | | | | 5.1 | 5.1 | 5 | 5 | 4.9 | 4.9 | | | 4.8 | 4.8 | 4.8 | 4.8 | 4.6 | 4.6 | | | | 80 |
| 85 | | | | | 4.5 | 4.5 | 4.8 | 4.8 | | | | | 4.2 | 4.2 | 4.6 | 4.6 | 4.5 | 4.5 | | | | 85 |
| 90 | | | | | 4 | 4 | 4.2 | 4.2 | | | | | 3.7 | 3.7 | 4 | 4 | 4.2 | 4.2 | | | | 90 |
| 95 | | | | | 3.5 | 3.5 | 3.6 | 3.6 | | | | | 3.3 | 3.3 | 3.6 | 3.6 | 3.8 | 3.8 | | | | 95 |
| 100 | | | | | 3 | 3 | | | | | | | 2.8 | 2.8 | 3.1 | 3.1 | | | | | | 100 |
| 105 | | | | | | | | | | | | | 2.4 | 2.4 | 2.6 | 2.6 | | | | | | 105 |
| 110 | | | | | | | | | | | | | 2.1 | 2.1 | 2.2 | 2.2 | | | | | | 110 |
| 115 | | | | | | | | | | | | | 1.8 | 1.8 | | | | | | | | 115 |

** telescopic loads · capacités de levage en télescopage

t_196_00190_00_000 / 00199_00_000 / 00208_00_000 / 00217_00_000

Lifting capacities on the folding jib Forces de levage à la fléchette pliante

TK



| ft | 107 ft | | | | | | | | 115 ft | | | | | | | | ft |
|-----|--------|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 31 ft | | | | | | | | 31 ft | | | | | | | | |
| | 0° | ** | 20° | ** | 40° | ** | 60° | ** | 0° | ** | 20° | ** | 40° | ** | 60° | ** | |
| 22 | 10.8 | 9.9 | | | | | | | | | | | | | | | 22 |
| 24 | 10.7 | 9.6 | | | | | | | | | | | | | | | 24 |
| 26 | 10.5 | 9.3 | | | | | | | 9.4 | 5.1 | | | | | | | 26 |
| 28 | 10.4 | 9 | | | | | | | 9.3 | 4.9 | | | | | | | 28 |
| 30 | 10.2 | 8.7 | 8 | 7.1 | | | | | 9.2 | 4.7 | | | | | | | 30 |
| 32 | 9.9 | 8.5 | 7.8 | 6.9 | | | | | 9.1 | 4.5 | | | | | | | 32 |
| 34 | 9.7 | 8.3 | 7.5 | 6.8 | | | | | 8.8 | 4.3 | | | | | | | 34 |
| 36 | 9.4 | 8 | 7.3 | 6.6 | | | | | 8.6 | 4.2 | 6.9 | 4 | | | | | 36 |
| 38 | 9.1 | 7.8 | 7.1 | 6.5 | | | | | 8.3 | 4 | 6.7 | 3.9 | | | | | 38 |
| 40 | 8.9 | 7.6 | 6.9 | 6.3 | | | | | 8 | 3.9 | 6.5 | 3.7 | | | | | 40 |
| 45 | 8.2 | 6.6 | 6.5 | 6 | 5.6 | 5.6 | 5.2 | 5.2 | 7.3 | 3.5 | 6.2 | 3.4 | 5.4 | 3.3 | | | 45 |
| 50 | 7.6 | 5.9 | 6.2 | 5.7 | 5.4 | 5.4 | 5 | 5 | 7 | 3.2 | 5.9 | 3.1 | 5.2 | 3 | 4.9 | 3 | 50 |
| 55 | 6.9 | 5.6 | 5.9 | 5.4 | 5.2 | 5.2 | 4.9 | 4.9 | 6.6 | 2.8 | 5.6 | 2.9 | 5 | 2.8 | 4.7 | 2.7 | 55 |
| 60 | 6.5 | 5.3 | 5.6 | 5.1 | 5 | 5 | 4.8 | 4.8 | 6.2 | 2.2 | 5.4 | 2.6 | 4.8 | 2.5 | 4.6 | 2.3 | 60 |
| 65 | 6.2 | 5.1 | 5.3 | 4.9 | 4.8 | 4.8 | 4.6 | 4.6 | 5.9 | 1.8 | 5.1 | 2.1 | 4.7 | 2 | 4.5 | 1.9 | 65 |
| 70 | 5.8 | 4.8 | 5.1 | 4.7 | 4.7 | 4.6 | 4.5 | 4.5 | 5.6 | 1.4 | 4.9 | 1.7 | 4.5 | 1.6 | 4.4 | 1.6 | 70 |
| 75 | 5.2 | 4.6 | 4.9 | 4.5 | 4.5 | 4.4 | 4.5 | 4.3 | 5 | 1 | 4.7 | 1.3 | 4.4 | 1.3 | 4.3 | 1.3 | 75 |
| 80 | 4.6 | 4.4 | 4.7 | 4.3 | 4.4 | 4.2 | | | 4.4 | | 4.5 | 1 | 4.2 | 1 | 4.2 | 1 | 80 |
| 85 | 4 | 4 | 4.4 | 4.2 | 4.3 | 4 | | | 3.9 | | 4.3 | | 4.1 | | | | 85 |
| 90 | 3.5 | 3.5 | 4 | 4 | 4.1 | 3.9 | | | 3.4 | | 3.8 | | 4 | | | | 90 |
| 95 | 3.1 | 2.9 | 3.5 | 3.5 | 3.7 | 3.7 | | | 3 | | 3.3 | | 3.6 | | | | 95 |
| 100 | 2.7 | 2.5 | 3.1 | 3.1 | 3.2 | 3.2 | | | 2.6 | | 2.9 | | 3.1 | | | | 100 |
| 105 | 2.4 | 2 | 2.6 | 2.6 | | | | | 2.2 | | 2.6 | | 2.7 | | | | 105 |
| 110 | 2 | 1.7 | 2.2 | 2.2 | | | | | 1.9 | | 2.2 | | | | | | 110 |
| 115 | 1.7 | 1.3 | 1.9 | 1.8 | | | | | 1.6 | | 1.9 | | | | | | 115 |
| 120 | 1.4 | 0.9 | 1.5 | 1.3 | | | | | 1.3 | | 1.5 | | | | | | 120 |
| 125 | 1.1 | | | | | | | | 1 | | 1.2 | | | | | | 125 |

** telescopic loads - capacités de levage en télescopage

t_196_00190_00_000 / 00199_00_000 / 00208_00_000 / 00217_00_000

Lifting capacities on the folding jib Forces de levage à la fléchette pliante

TK



| ft | 34 ft | | | | 83 ft | | | | | | | | 99 ft | | | | | | | | ft | |
|-----|-------|------|-----|-----|-------|------|-----|-----|-----|-----|-----|------|-------|-----|-----|-----|-----|-----|-----|-----|----|-----|
| | 31 ft | | | | 31 ft | | | | | | | | 31 ft | | | | | | | | | |
| | 0° | 20° | 40° | 60° | 0° | ** | 20° | ** | 40° | ** | 60° | ** | 0° | ** | 20° | ** | 40° | ** | 60° | ** | | |
| 10 | 14.6 | | | | | | | | | | | | | | | | | | | | 10 | |
| 11 | 14.6 | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | 14.6 | | | | | | | | | | | | | | | | | | | | | 12 |
| 13 | 14.6 | 10.3 | | | | | | | | | | | | | | | | | | | | 13 |
| 14 | 14.6 | 10 | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | 14.5 | 9.7 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 15 |
| 16 | 14.3 | 9.4 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 16 |
| 17 | 14.1 | 9.2 | | | 14.6 | 14.6 | | | | | | | | | | | | | | | | 17 |
| 18 | 13.6 | 8.9 | | | 14.5 | 14.5 | | | | | | | | | | | | | | | | 18 |
| 19 | 13.1 | 8.6 | | | 14.5 | 14.5 | | | | | | 12.2 | 12.2 | | | | | | | | | 19 |
| 20 | 12.8 | 8.2 | | | 14.4 | 14.4 | | | | | | 12.1 | 12.1 | | | | | | | | | 20 |
| 22 | 12.2 | 7.6 | 7.1 | | 14 | 14 | | | | | | 12 | 12 | | | | | | | | | 22 |
| 24 | 11.5 | 7.3 | 6.8 | | 13.5 | 13.5 | | | | | | 11.8 | 11.8 | | | | | | | | | 24 |
| 26 | 10.9 | 7 | 6.6 | | 13 | 13 | 9.6 | 9.6 | | | | 11.6 | 11.6 | | | | | | | | | 26 |
| 28 | 10.3 | 6.7 | 6.3 | 5.9 | 12.5 | 12.5 | 9.3 | 9.3 | | | | 11.3 | 11.3 | 8.7 | 8.7 | | | | | | | 28 |
| 30 | 9.8 | 6.4 | 6.1 | 5.8 | 12.1 | 12.1 | 9 | 9 | | | | 10.9 | 10.9 | 8.3 | 8.3 | | | | | | | 30 |
| 32 | 9.3 | 6.2 | 5.9 | 5.7 | 11.7 | 11.7 | 8.7 | 8.7 | 7.1 | 7.1 | | 10.6 | 10.6 | 8 | 8 | | | | | | | 32 |
| 34 | 8.9 | 6 | 5.7 | 5.6 | 11.3 | 11.3 | 8.3 | 8.3 | 6.9 | 6.9 | | 10.3 | 10.3 | 7.6 | 7.6 | | | | | | | 34 |
| 36 | 8.5 | 5.7 | 5.6 | 5.6 | 10.9 | 10.9 | 8 | 8 | 6.8 | 6.8 | | 9.9 | 9.9 | 7.4 | 7.4 | | | | | | | 36 |
| 38 | 8.1 | 5.5 | 5.4 | 5.5 | 10.4 | 10.4 | 7.6 | 7.6 | 6.6 | 6.6 | 5.7 | 5.7 | 9.6 | 9.6 | 7.2 | 7.2 | | | | | | 38 |
| 40 | 7.7 | 5.4 | 5.3 | 5.5 | 9.8 | 9.8 | 7.4 | 7.4 | 6.5 | 6.5 | 5.7 | 5.7 | 9.2 | 9.2 | 7 | 7 | 6.1 | 6.1 | | | | 40 |
| 45 | 6.7 | 5 | 5 | | 8.2 | 8.2 | 7 | 7 | 6.2 | 6.2 | 5.6 | 5.6 | 7.6 | 7.6 | 6.6 | 6.6 | 5.9 | 5.9 | 5.4 | 5.4 | | 45 |
| 50 | 6 | 4.7 | | | 6.9 | 6.9 | 6.6 | 6.6 | 5.9 | 5.9 | 5.5 | 5.5 | 6.4 | 6.4 | 6.3 | 6.3 | 5.6 | 5.6 | 5.2 | 5.2 | | 50 |
| 55 | 5.6 | | | | 5.8 | 5.8 | 6.3 | 6.3 | 5.7 | 5.7 | 5.4 | 5.4 | 5.3 | 5.3 | 5.9 | 5.9 | 5.4 | 5.4 | 5.1 | 5.1 | | 55 |
| 60 | | | | | 4.9 | 4.9 | 5.5 | 5.5 | 5.5 | 5.5 | 5.3 | 5.3 | 4.5 | 4.5 | 5.1 | 5.1 | 5.2 | 5.2 | 4.9 | 4.9 | | 60 |
| 65 | | | | | 4.1 | 4.1 | 4.7 | 4.7 | 5.2 | 5.2 | | | 3.7 | 3.7 | 4.3 | 4.3 | 4.8 | 4.8 | 4.8 | 4.8 | | 65 |
| 70 | | | | | 3.5 | 3.5 | 4 | 4 | 4.4 | 4.4 | | | 3.1 | 3.1 | 3.6 | 3.6 | 4.1 | 4.1 | 4.4 | 4.4 | | 70 |
| 75 | | | | | 3 | 3 | 3.4 | 3.4 | 3.7 | 3.7 | | | 2.6 | 2.6 | 3.1 | 3.1 | 3.5 | 3.5 | | | | 75 |
| 80 | | | | | 2.5 | 2.5 | 2.8 | 2.8 | 3.1 | 3.1 | | | 2.1 | 2.1 | 2.5 | 2.5 | 2.9 | 2.9 | | | | 80 |
| 85 | | | | | 2.1 | 2.1 | 2.3 | 2.3 | | | | | 1.7 | 1.7 | 2.1 | 2.1 | 2.4 | 2.4 | | | | 85 |
| 90 | | | | | 1.6 | 1.6 | 1.9 | 1.9 | | | | | 1.4 | 1.4 | 1.7 | 1.7 | 1.9 | 1.9 | | | | 90 |
| 95 | | | | | 1.3 | 1.3 | 1.5 | 1.5 | | | | | 1 | 1 | 1.3 | 1.3 | 1.5 | 1.5 | | | | 95 |
| 100 | | | | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | 100 |

** telescopable loads · capacités de levage en télescopage

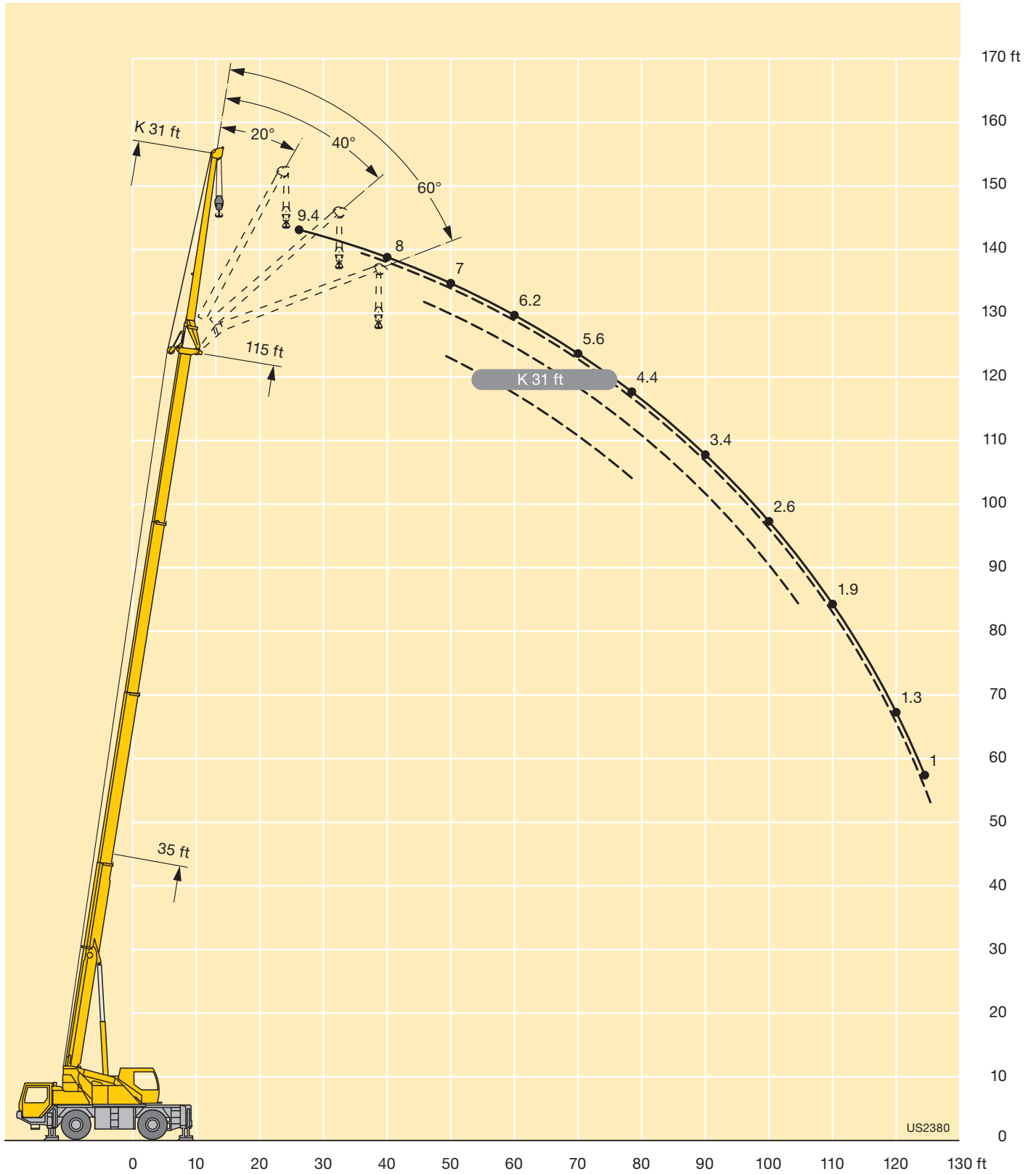
t_196_00198_00_000 / 00207_00_000 / 00216_00_000 / 00225_00_000



| ft | 107 ft | | | | | | | | | | 115 ft | | | | | | | | | | ft | |
|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|--|--|--|----|-----|
| | 31 ft | | | | | | | | | | 31 ft | | | | | | | | | | | |
| | 0° | ** | 20° | ** | 40° | ** | 60° | ** | 0° | ** | 20° | ** | 40° | ** | 60° | ** | | | | | | |
| 22 | 10.8 | 9.9 | | | | | | | | | | | | | | | | | | | | 22 |
| 24 | 10.7 | 9.6 | | | | | | | | | | | | | | | | | | | | 24 |
| 26 | 10.5 | 9.3 | | | | | | | | | | | | | | | | | | | | 26 |
| 28 | 10.4 | 9 | | | | | | | | 9.4 | 5.1 | | | | | | | | | | | 28 |
| 30 | 10.2 | 8.7 | 8 | 7.1 | | | | | | 9.3 | 4.9 | | | | | | | | | | | 30 |
| 32 | 9.9 | 8.5 | 7.8 | 6.9 | | | | | | 9.2 | 4.7 | | | | | | | | | | | 32 |
| 34 | 9.7 | 8.3 | 7.5 | 6.8 | | | | | | 9.1 | 4.5 | | | | | | | | | | | 34 |
| 36 | 9.4 | 8 | 7.3 | 6.6 | | | | | | 8.8 | 4.3 | | | | | | | | | | | 36 |
| 38 | 9.1 | 7.8 | 7.1 | 6.5 | | | | | | 8.6 | 4.2 | 6.9 | 4 | | | | | | | | | 38 |
| 40 | 8.7 | 7.6 | 6.9 | 6.3 | | | | | | 8.3 | 4 | 6.7 | 3.9 | | | | | | | | | 40 |
| 45 | 7.4 | 6.6 | 6.5 | 6 | 5.6 | 5.6 | 5.2 | 5.2 | | 8 | 3.9 | 6.5 | 3.7 | 5.4 | 3.3 | | | | | | | 45 |
| 50 | 6.1 | 5.9 | 6.2 | 5.7 | 5.4 | 5.4 | 5 | 5 | 5.9 | 7.1 | 3.5 | 6.2 | 3.4 | 5.2 | 3 | 4.9 | 3 | | | | | 50 |
| 55 | 5.1 | 5.1 | 5.8 | 5.4 | 5.2 | 5.2 | 4.9 | 4.9 | 4.9 | 5.9 | 3.2 | 5.9 | 3.1 | 5 | 2.8 | 4.7 | 2.7 | | | | | 55 |
| 60 | 4.3 | 4.3 | 5 | 5 | 5 | 5 | 4.8 | 4.8 | 4.1 | 2.8 | 5.6 | 2.9 | 5 | 2.8 | 4.6 | 2.3 | | | | | | 60 |
| 65 | 3.6 | 3.6 | 4.2 | 4.2 | 4.7 | 4.7 | 4.6 | 4.6 | 4.1 | 2.2 | 4.9 | 2.6 | 4.8 | 2.5 | 4.6 | 2.3 | | | | | | 65 |
| 70 | 3 | 3 | 3.6 | 3.6 | 4 | 4 | 4.3 | 4.3 | 3.4 | 1.8 | 4.1 | 2.1 | 4.6 | 2 | 4.5 | 1.9 | | | | | | 70 |
| 75 | 2.4 | 2.4 | 3 | 3 | 3.4 | 3.4 | 3.6 | 3.6 | 2.8 | 1.4 | 3.4 | 1.7 | 3.9 | 1.6 | 4.2 | 1.6 | | | | | | 75 |
| 80 | 2 | 2 | 2.5 | 2.5 | 2.8 | 2.8 | | | 2.3 | 1 | 2.9 | 1.3 | 3.3 | 1.3 | 3.5 | 1.3 | | | | | | 80 |
| 85 | 1.6 | 1.6 | 2 | 2 | 2.3 | 2.3 | | | 1.8 | | 2.4 | 1 | 2.7 | 1 | 2.9 | 1 | | | | | | 85 |
| 90 | 1.2 | 1.2 | 1.6 | 1.6 | 1.9 | 1.9 | | | 1.4 | | 1.9 | | 2.2 | | | | | | | | | 90 |
| 95 | | | 1.3 | 1.3 | 1.5 | 1.5 | | | 1.1 | | 1.5 | | 1.8 | | | | | | | | | 95 |
| 100 | | | 0.9 | 0.9 | 1.1 | 1.1 | | | | | 1.2 | | 1.4 | | | | | | | | | 100 |

** telescopable loads · capacités de levage en télescopage

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Equipment Equipment

Crane carrier

| | |
|--------------------------|--|
| Frame | Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel. |
| Outriggers | 4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display. |
| Engine | Diesel, 6 cylinder, watercooled, make Mercedes-Benz, output 205 kW (278 h.p.), max. torque 811 lbs-ft. Exhaust emissions acc. to 97/68/EG and EPA/CARB. Fuel tank capacity: 81 gallons. |
| Gearbox | ZF power-shift gear with torque converter, lock-up, transfer case; 6 forward and 2 reverse speeds. |
| Axles | Front: planetary axle with differential lock, steerable. Rear: planetary axle with differential lock, steerable. |
| Suspension | Hydropneumatic suspension, lockable hydraulically. |
| Tyres | 4 tyres. Tyre size: 445/95 R 25 (16.00 R 25). |
| Steering | Front axle mechanically steered, with hydraulic power assistance and stand-by steering pump. Rear axle hydraulically steered. Both axles steered hydrostatically from crane cab. |
| Brakes | Service brake: all-wheel servo-air brake, all axles are equipped with disc brakes, dual circuit. Hand brake: spring loaded, acting on all wheels. |
| Driver's cab | Two-men driving cab, steel sheet design, with dipping varnish and powder coating. With controls and instruments for driving. |
| Electrical system | Modern data bus technique, 24 Volt DC, 2 batteries of 110 Ah each. |

Crane superstructure

| | |
|-------------------------|---|
| Frame | Liebherr-made, torsion-resistant, welded construction of high-tensile structural steel, single-row ball bearing slewing ring. |
| Hydraulic system | One variable display axial piston pump and one gear type pump, open hydraulic circuits with electronic "load sensing", 4 working movements simultaneously operational. |
| Crane control | By selfcentering four directional joysticks in the crane cabin and by varying the speed of the diesel engine, electronic precontrol and stepless regulation of all crane movements. |
| Hoist gear | Axial piston fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake, actuation by open regulated oil circuit. |
| Luffing gear | 1 differential hydraulic ram with pilot locking valve. |
| Slewing gear | Hydraulic motor, planetary gear with spring loaded static brake, actuation by open oil circuit. Continuous control of slewing speed. |
| Crane cab | Corrosion resistant, large field of vision, safety glazing. |
| Safety devices | LICCON2 safe load indicator, hoist limit switch, safety valves against pipe and hose rupture. |
| Telescopic boom | 1 boom pivot section and 3 telescopic sections. All sections hydraulically extendable under load. Boom length: 34 ft – 115 ft. |
| Counterweight | 3300 lbs basic ballast, permanently mounted to the superstructure. |

Additional equipment

| | |
|---------------------------------|--|
| Folding jib | Single folding jib, 31 ft long, installation at 0°, 20°, 40° or 60°. |
| Ballasting device | Hydraulic ram on the superstructure. |
| Additional counterweight | 11000 lbs for a total counterweight of 14300 lbs. |

Other items of equipment available on request.

Equipment Equipment

Châssis porteur

| | |
|--------------------------------|---|
| Châssis | Fabrication Liebherr, construction en caisson indéformable, en acier grain fin à haute résistance. |
| Calage | Dispositif de calage horizontal et vertical en 4 points, entièrement déployable hydrauliquement. Utilisation avec commande à distance, mise à niveau automatique du calage, inclinomètre électronique. |
| Moteur | Diesel, 6 cylindres, marque Mercedes-Benz, refroidissement par eau, puissance 205 kW (278 ch), couple maxi. 811 lbs-ft. Emissions des gaz d'échappement conformes aux directives 97/68/EG et EPA/CARB. Capacité du réservoir carburant: 81 gallons. |
| Boîte | Boîte de vitesse, marque ZF, avec convertisseur de couple, «lock-up», boîte de transfert; 6 rapports AV et 2 AR. |
| Essieux | Essieu AV: à trains planétaires avec blocage de différentiel, directeur. Essieu AR: à trains planétaires avec blocage de différentiel, directeur. |
| Suspension | Suspension hydropneumatique, blocable hydrauliquement. |
| Pneumatiques | 4 pneumatiques. Dimension des pneumatiques: 445/95 R 25 (16.00 R 25). |
| Direction | Direction mécanique à assistance hydraulique de l'essieu avant. Pompe de secours. Direction de l'essieu arrière enclenchable hydrauliquement. Direction hydrostatique des deux essieux à commande depuis la cabine du grutier. |
| Freins | Freins de service: servofrein à air comprimé, tous les essieux sont munis de freins à disque, à 2 circuits. Frein à main: par cylindres à ressort, agissant sur les roues. |
| Cabine | Cabine conducteur bi-place en tôle d'acier revêtue anti-corrosion par bain de cathorèse, peinte par poudrage polyester et cuisson au four comportant tous les organes de commande et de contrôle nécessaires à la conduite du véhicule. |
| Installation électrique | Technique moderne de transmission de données par BUS de données, courant continu 24 Volts, 2 batteries de 110 Ah chacune. |

Partie tournante

| | |
|--------------------------------|---|
| Châssis | Fabrication Liebherr, construction mécano-soudée en tôle d'acier à haute résistance à grains fins. Couronne d'orientation à 1 rangée de billes. |
| Système hydraulique | 1 pompe à débit variable à piston axiaux et 1 pompe à engrenage, circuits hydrauliques ouverts avec «load sensing» électronique, 4 mouvements de travail pouvant être exécutés simultanément. |
| Commande | Commande dans la cabine du grutier via 4 manipulateurs à retour automatique en position neutre et régulation du régime du moteur diesel, servocommande électronique et régulation continue de tous les mouvements de la grue. |
| Mécan. de levage | Moteur hydraulique à cylindrée constante, treuil à réducteur planétaire incorporé et frein à ressort, en circuit hydraulique ouvert. |
| Mécan. de relevage | 1 vérin différentiel, avec clapet anti-retour de sécurité. |
| Orientation | Moteur hydraulique, réducteur planétaire, frein d'arrêt commandé par ressort en circuit hydraulique ouvert. Vitesse d'orientation réglable en continu. |
| Cabine de grue | Résistante à la corrosion, visibilité panoramique, avec vitrage de sécurité. |
| Dispositifs de sécurité | Contrôleur de l'état de charge LICCON2, fin de course de levage, soupapes de sécurité sur tubes et flexibles contre rupture. |
| Flèche télescopique | Flèche à télescopage hydraulique formée d'un élément de base et de 3 éléments télescopables en charge. Longueur de flèche: 34 ft – 115 ft. |
| Contrepoids | Contrepoids de base de 3300 lbs, fixé sur la partie tournante. |








Équipement supplémentaire

| | |
|--------------------------------|---|
| Fléchette pliante | Fléchette pliante simple, longueur 31 ft, montable à 0°, 20°, 40° ou 60°. |
| Dispositif de lestage | Vérin hydraulique sur la partie tournante. |
| Contrepoids additionnel | 11000 lbs pour un contrepoids total de 14300 lbs. |

Autres équipements supplémentaires sur demande.

Description of symbols Explication des symboles

General symbols Symboles généraux

| | | | |
|---|---|---|--|
|  | Outriggers Calage |  | Driving speed Vitesse de translation |
|  | Outriggers – free on tyres Calage – libre sur pneus |  | Driving speed – Crawl speed Vitesse de translation – Marche lente |
|  | Axle Essieu |  | Gear Vitesse |
|  | Radius Portée |  | Hookblock / Capacity Moufle à crochet / Capacité de charge |
|  | Boom length Longueur de la flèche |  | Hoist gear Treuil de levage |
|  | Boom position Position de la flèche |  | Crane carrier Châssis porteur |
|  | Counterweight Contrepoids |  | Crane superstructure Partie tournante de la grue |
|  | Tyres Pneumatiques |  | Standard Norme |
|  | Slewing gear / Working area Mécanisme d'orientation / Plage de travail |  | Gradability Aptitude à gravir les pentes |

Crane specific symbols Symboles spécifiques à la grue

| | | | |
|---|--|---|-------------------------------------|
|  | Telescopic boom Flèche télescopique |  | Swing away jib Fléchette pliante |
|---|--|---|-------------------------------------|

Remarks referring to load charts

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
2. For the calculation of the load charts at least a wind speed of 9 m/s (33 km/h) and regarding the load a sail area of 1 m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
3. Lifting capacities are given in kips.
4. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
5. Working radii are measured from the slewing centre.
6. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
7. Subject to modification of lifting capacities.
8. Lifting capacities above 68.3 kips / 79.4 kips only with additional pulley block/special equipment.
9. The data of this brochure serves only for general information. All information is provided without warranty. Instructions for the correct commissioning of the crane please take from the operation manual and the load chart book.

Remarques relatives aux tableaux des charges

1. La capacité de charge ne doit pas dépasser 85 % de la charge de basculement conformément à ASME B 30.5.
La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
2. Une vitesse de vent de 9 m/s (33 km/h) minimum, une surface de prise au vent de 1 m² par tonne ainsi qu'un coefficient de résistance au vent de la charge 1,2 sont pris en compte pour le calcul des tableaux de charge. Lorsque des charges ayant une surface de prise au vent et/ou un coefficient de résistance au vent plus élevé(e)s sont levées, la vitesse de vent maximale indiquée dans les tableaux de charge doit être réduite.
3. Les charges sont indiquées en kips.
4. Le poids du crochet de levage resp. de la moufle à crochet est une partie de la charge et doit donc être déduit de la capacité de charge.
5. Les portées sont calculées à partir de l'axe de rotation.
6. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
7. Charges données sous réserve de modification.
8. Les charges supérieures à 68.3 kips / 79.4 kips seulement avec moufle additionnel/équipement supplémentaire.
9. Les données de cette brochure sont données à titre informatif. Ces renseignements sont sans garantie. Les consignes relatives à la bonne mise en service de la grue sont disponibles dans le manuel d'utilisation et le manuel de tableaux de charge.

Liebherr-Werk Ehingen GmbH

Postfach 1361, 89582 Ehingen, Germany

☎ +49 73 91 5 02-0, Fax +49 73 91 5 02-33 99

www.liebherr.com, E-mail: info.lwe@liebherr.com