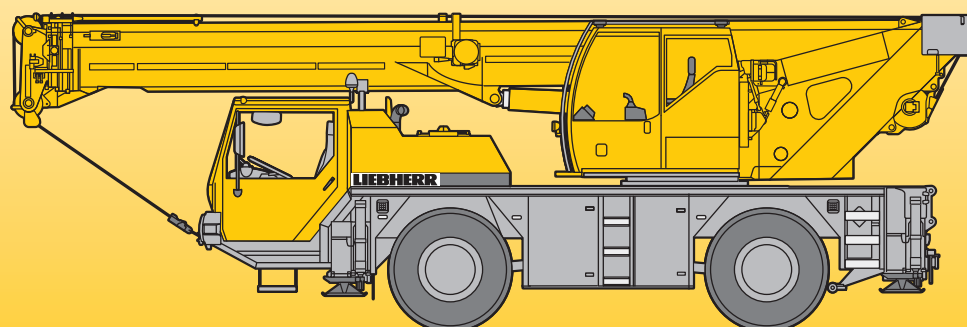


**Mobile Crane  
Grue automotrice**

**LTM 1040-2.1**

**Technical Data  
Caractéristiques techniques**



**LIEBHERR**



# Lifting capacities Forces de levage

**T**

34 - 115 ft

360°

14300 lbs

85%

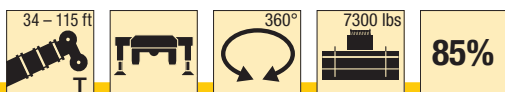
| ft  | 34 ft |      | 51 ft |      | 67 ft |      | 83 ft |      | 99 ft |      | 107 ft |      | 115 ft |     | ft  |
|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|-----|-----|
|     | *     |      |       | **   |       | **   |       | **   |       | **   |        | **   |        | **  |     |
| 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

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# Lifting capacities Forces de levage

**T**



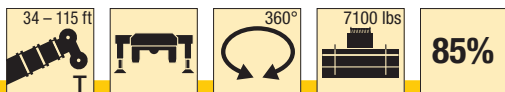
| ft  | 34 ft |      | 51 ft |  | 67 ft |  | 83 ft |  | 99 ft |  | 107 ft |  | 115 ft |  | ft  |
|-----|-------|------|-------|--|-------|--|-------|--|-------|--|--------|--|--------|--|-----|
|     |       |      | **    |  | **    |  | **    |  | **    |  | **     |  | **     |  |     |
| 10  | 73.8  | 43.6 | 34    |  |       |  |       |  |       |  |        |  |        |  | 10  |
| 11  | 69.3  | 44.2 | 34    |  |       |  |       |  |       |  |        |  |        |  | 11  |
| 12  | 65.3  | 44.8 | 34    |  |       |  |       |  |       |  |        |  |        |  | 12  |
| 13  | 61.7  | 45.4 | 34    |  |       |  |       |  |       |  |        |  |        |  | 13  |
| 14  | 58.4  | 46.1 | 34    |  |       |  |       |  |       |  |        |  |        |  | 14  |
| 15  | 55.5  | 46.8 | 34    |  |       |  |       |  |       |  |        |  |        |  | 15  |
| 16  | 52.8  | 47.3 | 34    |  |       |  |       |  |       |  |        |  |        |  | 16  |
| 17  | 49.7  | 44.9 | 34    |  |       |  |       |  |       |  |        |  |        |  | 17  |
| 18  | 46.1  | 42   | 34    |  |       |  |       |  |       |  |        |  |        |  | 18  |
| 19  | 42.9  | 38.7 | 34    |  |       |  |       |  |       |  |        |  |        |  | 19  |
| 20  | 39.8  | 36   | 34    |  |       |  |       |  |       |  |        |  |        |  | 20  |
| 22  | 34.6  | 31.5 | 31.5  |  |       |  |       |  |       |  |        |  |        |  | 22  |
| 24  | 28.4  | 27.8 | 27.8  |  |       |  |       |  |       |  |        |  |        |  | 24  |
| 26  |       | 24.9 | 24.9  |  |       |  |       |  |       |  |        |  |        |  | 26  |
| 28  |       | 22.4 | 22.4  |  |       |  |       |  |       |  |        |  |        |  | 28  |
| 30  |       | 20.3 | 20.3  |  |       |  |       |  |       |  |        |  |        |  | 30  |
| 32  |       | 18.6 | 18.6  |  |       |  |       |  |       |  |        |  |        |  | 32  |
| 34  |       | 17   | 17    |  |       |  |       |  |       |  |        |  |        |  | 34  |
| 36  |       | 15.5 | 15.5  |  |       |  |       |  |       |  |        |  |        |  | 36  |
| 38  |       | 14.1 | 14.1  |  |       |  |       |  |       |  |        |  |        |  | 38  |
| 40  |       | 12.9 | 12.9  |  |       |  |       |  |       |  |        |  |        |  | 40  |
| 45  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 45  |
| 50  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 50  |
| 55  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 55  |
| 60  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 60  |
| 65  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 65  |
| 70  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 70  |
| 75  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 75  |
| 80  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 80  |
| 85  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 85  |
| 90  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 90  |
| 95  |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 95  |
| 100 |       |      |       |  |       |  |       |  |       |  |        |  |        |  | 100 |

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

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# Lifting capacities Forces de levage

**T**



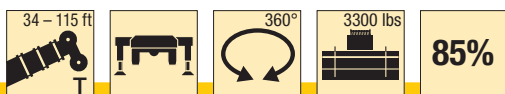
| ft  | 34 ft |      | 51 ft |      | 67 ft |      | 83 ft |      | 99 ft |      | 107 ft |      | 115 ft |    | ft  |
|-----|-------|------|-------|------|-------|------|-------|------|-------|------|--------|------|--------|----|-----|
|     |       | **   |       | **   |       | **   |       | **   |       | **   |        | **   |        | ** |     |
| 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

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# 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   | 2.3  | 2.3    | 2.2  | 1.7    |    | 80 |
| 85 |       |      |       |      |       |      |       | 1.8  | 1.8   | 1.8  | 1.8    | 1.8  |        |    | 85 |
| 90 |       |      |       |      |       |      |       |      |       | 1.4  | 1.4    | 1.4  |        |    | 90 |

\*\* telescopic loads - capacités de levage en télescopage

t\_196\_00189\_00\_000

# Lifting capacities Forces de levage

**T**

| ft | 34 ft     |          | 51 ft     |          | ft |
|----|-----------|----------|-----------|----------|----|
|    | 14300 lbs | 3300 lbs | 14300 lbs | 3300 lbs |    |
| 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

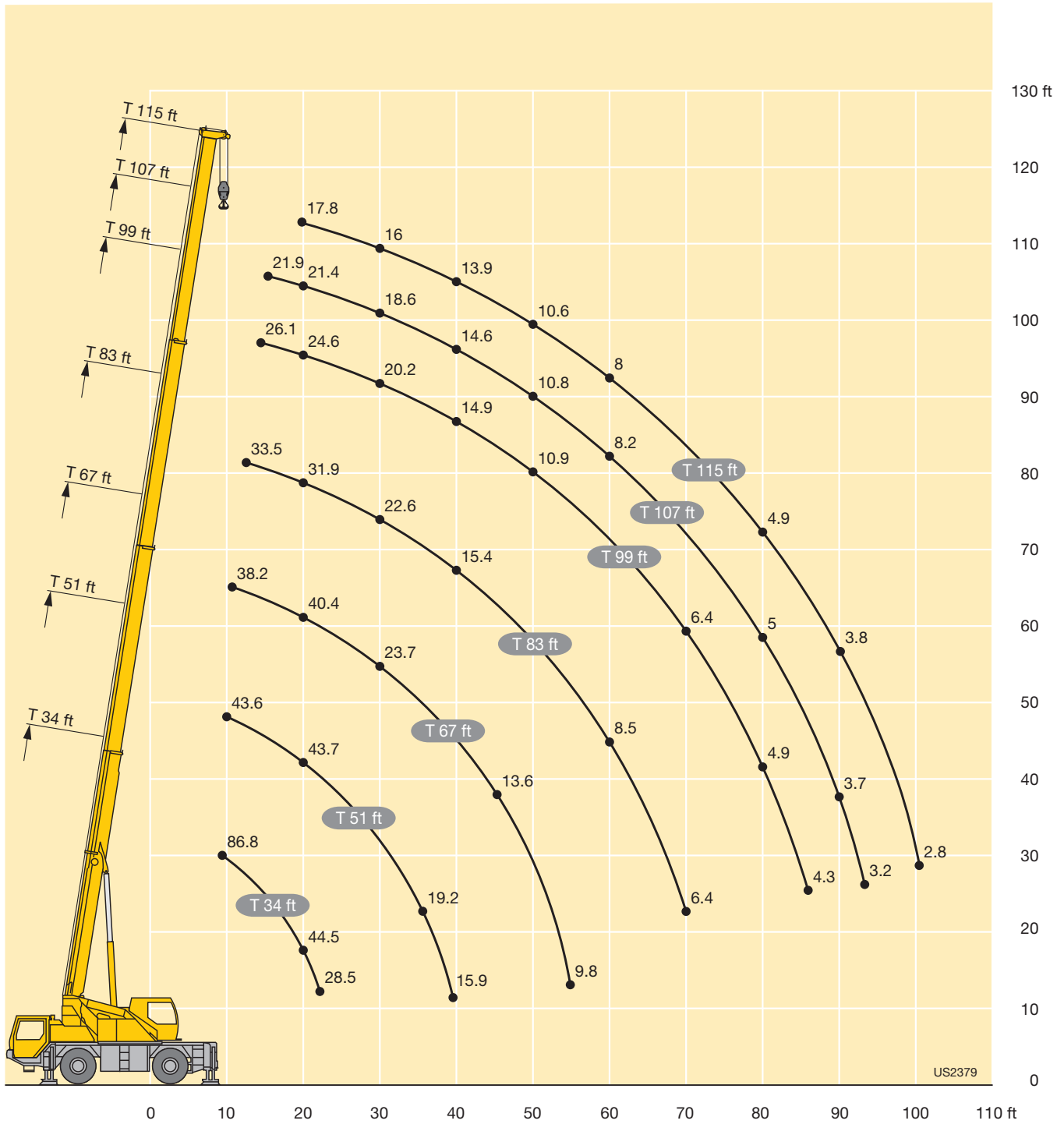
t\_196\_00129\_00\_000 / 00136\_00\_000

| ft | 34 ft    |          |          | 51 ft    |          |          | ft |
|----|----------|----------|----------|----------|----------|----------|----|
|    | 7300 lbs | 7100 lbs | 3300 lbs | 7300 lbs | 7100 lbs | 3300 lbs |    |
| 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

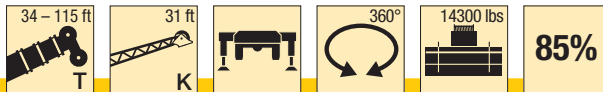
**T**



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 |     |     |     | 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    | 1   | 1   |     |     |     |     | 100 |

\*\* telescopic loads - capacités de levage en télescopage

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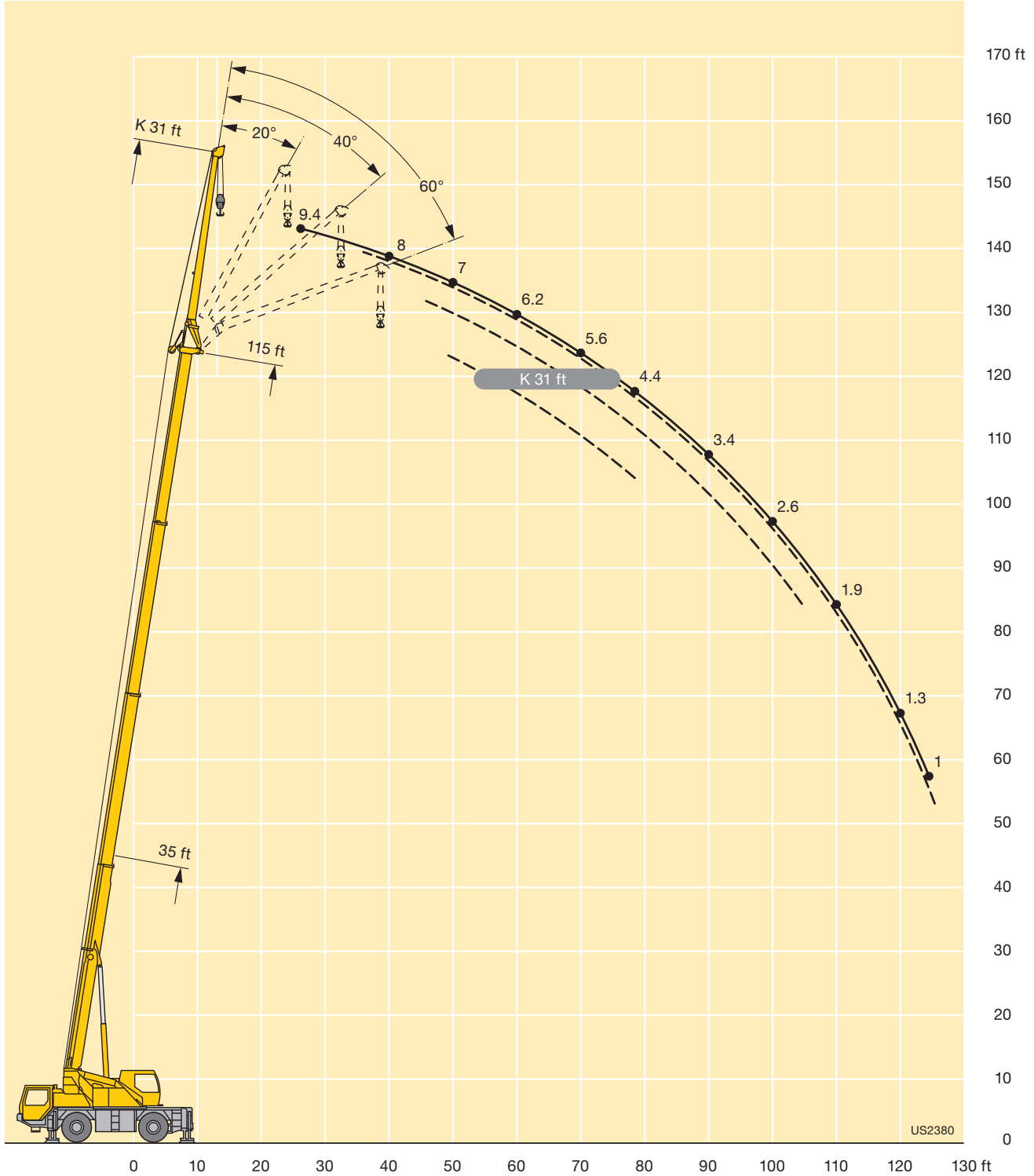
| ft  | 107 ft |     |     |     |     |     |     |     | 115 ft |     |     |     |     |     |     |     | ft |  |  |  |     |
|-----|--------|-----|-----|-----|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|----|--|--|--|-----|
|     | 31 ft  |     |     |     |     |     |     |     | 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  | 8.7    | 7.6 | 6.9 | 6.3 |     |     |     |     | 8      | 3.9 | 6.5 | 3.7 |     |     |     |     |    |  |  |  | 40  |
| 45  | 7.4    | 6.6 | 6.5 | 6   | 5.6 | 5.6 | 5.2 | 5.2 | 7.1    | 3.5 | 6.2 | 3.4 | 5.4 | 3.3 |     |     |    |  |  |  | 45  |
| 50  | 6.1    | 5.9 | 6.2 | 5.7 | 5.4 | 5.4 | 5   | 5   | 5.9    | 3.2 | 5.9 | 3.1 | 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    | 2.8 | 5.6 | 2.9 | 5   | 2.8 | 4.7 | 2.7 |    |  |  |  | 55  |
| 60  | 4.3    | 4.3 | 5   | 5   | 5   | 5   | 4.8 | 4.8 | 4.1    | 2.2 | 4.9 | 2.6 | 4.8 | 2.5 | 4.6 | 2.3 |    |  |  |  | 60  |
| 65  | 3.6    | 3.6 | 4.2 | 4.2 | 4.7 | 4.7 | 4.6 | 4.6 | 3.4    | 1.8 | 4.1 | 2.1 | 4.6 | 2   | 4.5 | 1.9 |    |  |  |  | 65  |
| 70  | 3      | 3   | 3.6 | 3.6 | 4   | 4   | 4.3 | 4.3 | 2.8    | 1.4 | 3.4 | 1.7 | 3.9 | 1.6 | 4.2 | 1.6 |    |  |  |  | 70  |
| 75  | 2.4    | 2.4 | 3   | 3   | 3.4 | 3.4 | 3.6 | 3.6 | 2.3    | 1   | 2.9 | 1.3 | 3.3 | 1.3 | 3.5 | 1.3 |    |  |  |  | 75  |
| 80  | 2      | 2   | 2.5 | 2.5 | 2.8 | 2.8 |     |     | 1.8    |     | 2.4 | 1   | 2.7 | 1   | 2.9 | 1   |    |  |  |  | 80  |
| 85  | 1.6    | 1.6 | 2   | 2   | 2.3 | 2.3 |     |     | 1.4    |     | 1.9 |     | 2.2 |     |     |     |    |  |  |  | 85  |
| 90  | 1.2    | 1.2 | 1.6 | 1.6 | 1.9 | 1.9 |     |     | 1.1    |     | 1.5 |     | 1.8 |     |     |     |    |  |  |  | 90  |
| 95  |        |     | 1.3 | 1.3 | 1.5 | 1.5 |     |     |        |     | 1.2 |     | 1.4 |     |     |     |    |  |  |  | 95  |
| 100 |        |     | 0.9 | 0.9 | 1.1 | 1.1 |     |     |        |     |     |     | 1   |     |     |     |    |  |  |  | 100 |

\*\* telescopic loads - capacités de levage en télescopage

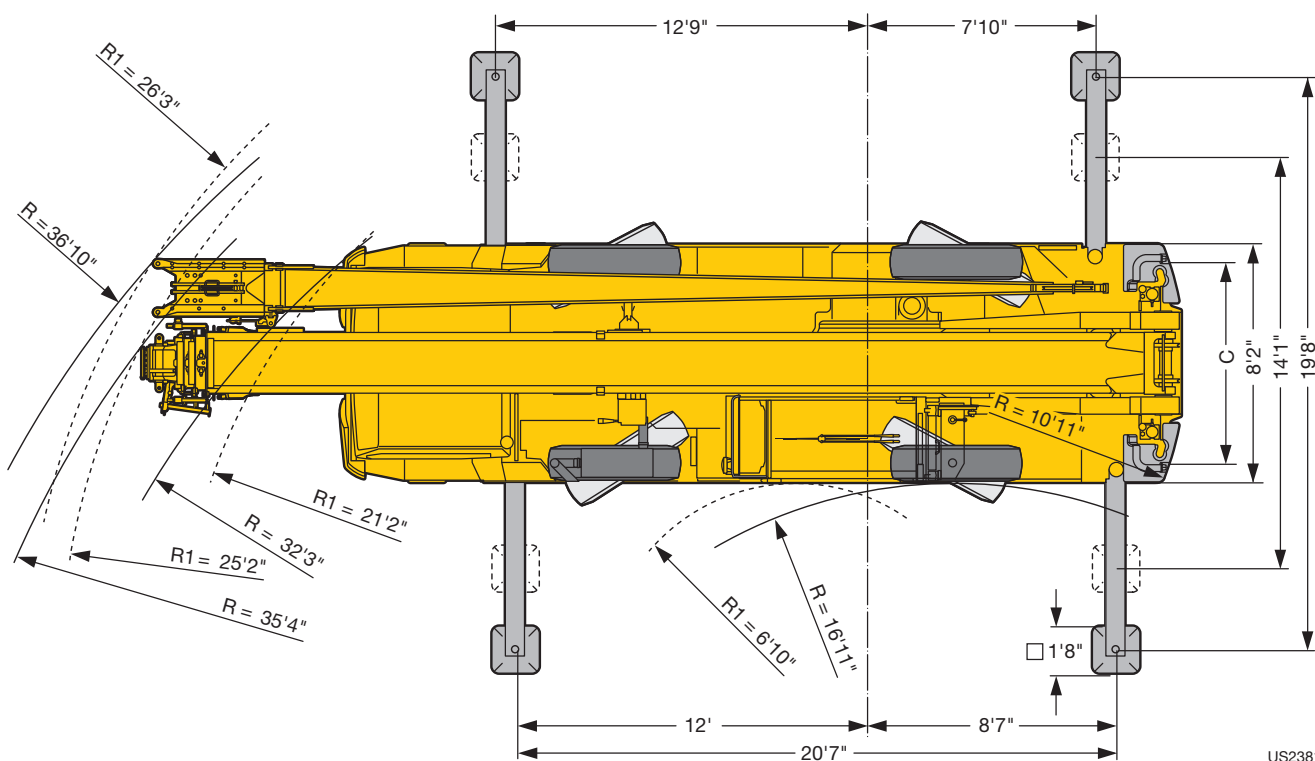
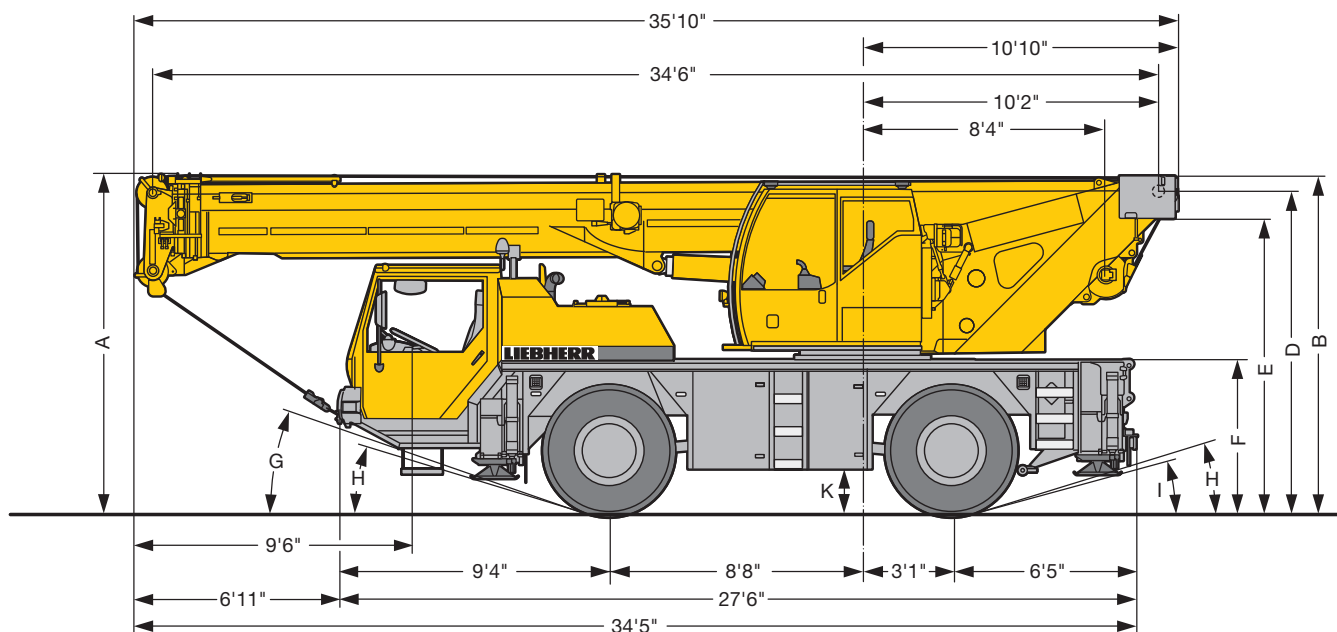
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**Lifting heights  
Hauteurs de levage**

**TK**



# Dimensions Encombrement



US2381

R<sub>1</sub> = 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"* | 11'9" | 6'9" | 11'3" | 10'3" | 5'5" | 21° | 19° | 17° | 1'8" |

\* lowered · abaissé

## Weights Poids



| Axle<br>Essieu<br>lbs | 1     | 2     | Total weight lbs<br>Poids total lbs |
|-----------------------|-------|-------|-------------------------------------|
|                       | 26400 | 26400 | 52800 <sup>1)</sup>                 |

<sup>1)</sup> with 3300 lbs counterweight - avec contrepoids 3300 lbs



| Load (kips)<br>Forces de levage (kips) | No. of sheaves<br>Poulies | No. of lines<br>Brins | Weight lbs<br>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<br>Mécanismes | infinitely variable<br>en continu  | Rope diameter / length<br>Diamètre / Longueur du câble | Max. single line pull<br>Effort au brin maxi. |
|---------------------|--|--|---|
|                     | 0 – 394 ft/min single line<br>ft/min au brin simple  | ½" / 492'2"  | 7420 lbs                                      |
|                     | 0 – 2.5 rpm  |  |   |
|                     | approx. 45 seconds to reach 81° boom angle<br>env. 45 s jusqu'à 81°                                  |  |   |
|                     | approx. 65 seconds for boom extension from 34 ft – 115 ft<br>env. 65 s pour passer de 34 ft – 115 ft |  |   |



## Equipment Equipement

### Crane carrier

|                          |   |
|--------------------------|---|
| <b>Frame</b>             | Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel.   |
| <b>Outriggers</b>        | 4-point supporting system, hydraulically telescopic into horizontal and vertical direction. Operation with remote control, automatic support leveling, electronic inclination display.  |
| <b>Engine</b>            | Diesel, 6 cylinder, watercooled, make Mercedes-Benz, type OM 906 LA, output 205 kW (278 HP) at 2200 rpm, max. torque 811 lbs-ft at 1200 rpm – 1600 rpm. Exhaust emissions acc. to 97/68/EG stage 3 and EPA/CARB Tier 3. Fuel tank capacity: 79 gallons. |
| <b>Gearbox</b>           | ZF power-shift gear with torque converter, lock-up, transfer case; 6 forward and 2 reverse speeds.  |
| <b>Axles</b>             | Front: planetary axle with differential lock, steerable.<br>Rear: planetary axle with differential lock, steerable.   |
| <b>Suspension</b>        | Hydropneumatic suspension, lockable hydraulically.  |
| <b>Tyres</b>             | 4 tyres. Tyre size: 445/95 R 25 (16.00 R 25).   |
| <b>Steering</b>          | Front axle mechanically steered, with hydraulic power assistance and stand-by steering pump.<br>Rear axle hydraulically steered. Both axles steered hydrostatically from crane cab. Steering acc. to EC directive 70/311/EEC.                           |
| <b>Brakes</b>            | Service brake: 2-circuit air booster brake acting on all wheels.<br>Hand brake: spring loaded, acting on all wheels.<br>Brakes acc. to EC directive 71/320/EEC.   |
| <b>Driver's cab</b>      | Two-men driving cab, steel sheet design, with dipping varnish and powder coating. With controls and instruments for driving.  |
| <b>Electrical system</b> | Control of the electrical and electronical components by modern data bus technique. 24 Volt DC, 2 batteries, lighting according to traffic regulations.   |

### Crane superstructure

|                         |  |
|-------------------------|--|
| <b>Frame</b>            | Liebherr-made, torsion-resistant, welded construction made of high-tensile structural steel. Connection to truck chassis by single-row ball slewing ring, designed for 360° continuous rotation. |
| <b>Hydraulic system</b> | One variable displacement axial piston pump and one gear type pump, open hydraulic circuits with electronic "load sensing", 4 working movements simultaneously operational.                      |
| <b>Crane control</b>    | 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.              |
| <b>Hoist gear</b>       | Axial piston fixed displacement motor, hoist drum with integrated planetary gear and spring-loaded static brake, actuation by open regulated oil circuit.  |
| <b>Luffing gear</b>     | 1 differential hydraulic ram with pilot locking valve.   |
| <b>Slewing gear</b>     | Hydraulic motor, planetary gear with spring loaded static brake, actuation by open oil circuit. Continuous control of slewing speed.   |
| <b>Crane cab</b>        | Galvanized steel construction, powder coating, safety glazing, control elements and instruments for crane operation and travelling.  |
| <b>Safety devices</b>   | LICCON2 safe load indicator, hoist limit switch, safety valves against pipe and hose rupture.  |
| <b>Telescopic boom</b>  | 1 boom pivot section and 3 telescopic sections. All sections hydraulically extendable under load.<br>Boom length: 34 ft – 115 ft.  |
| <b>Counterweight</b>    | 3300 lbs basic ballast, permanently mounted to the superstructure.   |

### Additional equipment

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

Other items of equipment available on request.

## Equipment Équipement

### Châssis porteur

|                                |  |
|--------------------------------|--|
| <b>Châssis</b>                 | Fabrication Liebherr, construction en caisson indéformable, en acier grain fin à haute résistance.   |
| <b>Calage</b>                  | 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.   |
| <b>Moteur</b>                  | Diesel, 6 cylindres, marque Mercedes-Benz, type OM 906 LA, refroidissement par eau, puissance 205 kW (278 ch) à 2200 rpm, couple maxi. 811 lbs-ft à 1200 rpm – 1600 rpm. Emissions des gaz d'échappement conformes aux directives 97/68/EG partie 3 et EPA/CARB Tier 3. Capacité du réservoir carburant: 79 gallons. |
| <b>Boîte</b>                   | Boîte de vitesse, marque ZF, avec convertisseur de couple, «lock-up», boîte de transfert; 6 rapports AV et 2 AR.   |
| <b>Essieux</b>                 | Essieu AV: à trains planétaires avec blocage de différentiel, directeur.<br>Essieu AR: à trains planétaires avec blocage de différentiel, directeur.   |
| <b>Suspension</b>              | Suspension hydropneumatique, blocable hydrauliquement.   |
| <b>Pneumatiques</b>            | 4 pneumatiques. Dimension des pneumatiques: 445/95 R 25 (16.00 R 25).  |
| <b>Direction</b>               | 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. Direction selon directive CE 70/311 EWG.  |
| <b>Freins</b>                  | Frein de service: servo-frein pneumatique à deux circuits indépendants agissant sur les roues.<br>Frein à main: par cylindres à ressort, agissant sur les roues.<br>Freins selon directive CE 71/320 EWG.  |
| <b>Cabine</b>                  | 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.  |
| <b>Installation électrique</b> | Composants électriques et électroniques reliés entre eux par bus de données moderne. Courant continu 24 Volts, 2 batteries, éclairage conforme au code de la route.  |

### Partie tournante

|                                |   |
|--------------------------------|---|
| <b>Châssis</b>                 | Fabrication Liebherr, construction soudée indéformable en acier à grain fin de haute résistance. Couronne d'orientation à 1 rangée de billes entre partie tournante et châssis porteur, rotation continue sur 360°.           |
| <b>Système hydraulique</b>     | 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.                                 |
| <b>Commande</b>                | 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. |
| <b>Mécan. de levage</b>        | Moteur hydraulique à cylindrée constante, treuil à réducteur planétaire incorporé et frein à ressort, en circuit hydraulique ouvert.  |
| <b>Mécan. de relevage</b>      | 1 vérin différentiel, avec clapet anti-retour de sécurité.  |
| <b>Orientation</b>             | Moteur hydraulique, réducteur planétaire, frein d'arrêt commandé par ressort en circuit hydraulique ouvert. Vitesse d'orientation réglable en continu.  |
| <b>Cabine du grutier</b>       | En tôle d'acier galvanisée, peinte par poudrage polyester et cuisson au four, avec vitrage de sécurité, dotée de tous les éléments de contrôle et de commande pour l'opération et la conduite de la grue.                     |
| <b>Dispositifs de sécurité</b> | Contrôleur de l'état de charge LICCON2, fin de course de levage, soupapes de sécurité sur tubes et flexibles contre rupture.  |
| <b>Flèche télescopique</b>     | Flèche à télescopage hydraulique formée d'un élément de base et de 3 éléments télescopables en charge.<br>Longueur de flèche: 34 ft – 115 ft.   |
| <b>Contrepoids</b>             | Contrepoids de base de 3300 lbs, fixé sur la partie tournante.  |

### Équipement supplémentaire

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

Autres équipements supplémentaires sur demande.

### Remarks referring to load charts

1. The lifting capacities do not exceed 85 % of the tipping load according to ASME B 30.5.
2. The crane's structural steelwork is in accordance with EN 13000 and ASME B 30.5.
3. For the calculation of the load charts a minimum wind speed of 23 ft/s (7 m/s, 15.7 miles/hour) and regarding the load a sail area of 1.2 m<sup>2</sup> per ton of load are taken into account.
4. Lifting capacities are given in kips.
5. The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centre.
7. The lifting capacities given for the telescopic boom apply if the folding jib is removed.
8. Subject to modification of lifting capacities.
9. Lifting capacities above 68.3 kips / 79.4 kips only with additional pulley block/special equipment.

### 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.
2. La structure métallique de la grue est conforme à EN 13000 et ASME B 30.5.
3. Lors du calcul des tableaux des charges, un vent de 23 ft/s (7 m/s, 15,7 miles/hour) minimum et en ce qui concerne la charge, une surface au vent de 1,2 m<sup>2</sup> par tonne de capacité de charge sont respectés.
4. Les charges sont indiquées en kips.
5. 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.
6. Les portées sont calculées à partir de l'axe de rotation.
7. Les charges indiquées pour la flèche télescopique sont valables lorsque la fléchette pliante est démontée.
8. Charges données sous réserve de modification.
9. Les charges supérieures à 68.3 kips / 79.4 kips seulement avec moufle additionnel/équipement supplémentaire.