



Telescopic Truck Crane

**LTM 1120**

Telescopic boom 148 ft



**LIEBHERR**



# Lifting capacities at telescopic boom. Forces de levage à la flèche télescopique.

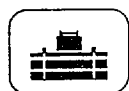
LTM 1120



46 ft – 148 ft



360°



63300 lbs

85%

| ft    | 46 ft | 62 ft | 72 ft | 77 ft | 93 ft | 108 ft | 124 ft | 139 ft | 148 ft | ft    |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 9     | 330   |       |       |       |       |        |        |        |        | 9     |
| 10    | 282   | 242   |       |       |       |        |        |        |        | 10    |
| 11    | 256   | 230   |       |       |       |        |        |        |        | 11    |
| 12    | 234   | 218   | 180   |       |       |        |        |        |        | 12    |
| 13    | 216   | 207   | 182   |       |       |        |        |        |        | 13    |
| 14    | 202   | 197   | 181   | 143   |       |        |        |        |        | 14    |
| 15    | 188   | 187   | 179   | 145   | 129   | 86     |        |        |        | 15    |
| 16    | 176   | 171   | 147   | 129   | 86.5  |        |        |        |        | 16    |
| 17    | 166   | 164   | 146   | 129   | 87    | 92.5   |        |        |        | 17    |
| 18    | 157   | 155   | 142   | 128   | 88    | 93     |        |        |        | 18    |
| 20    | 140   | 139   | 134   | 126   | 89.5  | 93.5   | 71     | 63.5   |        | 20    |
| 22    | 127   | 126   | 124   | 119   | 89.5  | 94     | 71.5   | 61.5   |        | 22    |
| 24    | 116   | 114   | 114   | 112   | 87.5  | 93.5   | 71.5   | 59.5   | 59.6   | 24    |
| 26    | 106   | 104   | 104   | 103   | 83    | 91     | 72     | 56.8   | 59.4   | 26    |
| 28    | 98    | 96.5  | 96    | 95.5  | 79.5  | 87.5   | 71     | 54.4   | 58.9   | 28    |
| 30    | 90.5  | 89    | 88.5  | 88    | 76    | 83.5   | 69.5   | 52.1   | 58.3   | 30    |
| 32    | 84.5  | 82.5  | 82    | 82    | 73    | 79.5   | 68     | 50.1   | 57.5   | 32    |
| 34    |       | 77.5  | 76.5  | 76.5  | 70    | 75.5   | 66     | 48.2   | 56.3   | 34    |
| 36    |       | 72.5  | 72    | 71.5  | 67.5  | 71.5   | 64     | 46.4   | 54.8   | 36    |
| 38    |       | 68    | 67    | 67    | 65    | 67.5   | 62     | 44.6   | 53.2   | 38    |
| 40    |       | 63.5  | 63    | 62.5  | 62.5  | 63.5   | 59.7   | 43     | 51.7   | 40    |
| 45    |       | 54.9  | 53.8  | 53.1  | 57.2  | 54.5   | 54.6   | 39.5   | 47.8   | 45    |
| 50    |       | 44.5  | 46.3  | 45.5  | 52.2  | 47     | 48.2   | 36.4   | 44.2   | 50    |
| 55    |       |       | 40    | 39.2  | 47    | 40.7   | 42.1   | 33.5   | 40.6   | 55    |
| 60    |       |       |       | 33.9  | 41.8  | 35.4   | 36.8   | 30.9   | 36.8   | 60    |
| 65    |       |       |       | 29.6  | 37.4  | 31     | 32.4   | 28.7   | 32.5   | 65    |
| 70    |       |       |       |       |       | 27.4   | 28.7   | 26.8   | 28.9   | 70    |
| 75    |       |       |       |       |       | 24.1   | 25.4   | 25.1   | 25.8   | 75    |
| 80    |       |       |       |       |       |        | 22.5   | 23.7   | 23     | 80    |
| 85    |       |       |       |       |       |        | 20     | 22.4   | 20.7   | 85    |
| 90    |       |       |       |       |       |        | 17.6   | 21.3   | 18.5   | 90    |
| 95    |       |       |       |       |       |        | 15.4   | 20     | 16.4   | 95    |
| 100   |       |       |       |       |       |        |        | 14.6   | 15.2   | 100   |
| 105   |       |       |       |       |       |        |        | 12.9   | 13.5   | 105   |
| 110   |       |       |       |       |       |        |        | 11.5   | 12     | 110   |
| 115   |       |       |       |       |       |        |        |        | 10.7   | 115   |
| 120   |       |       |       |       |       |        |        |        | 9.6    | 120   |
| 125   |       |       |       |       |       |        |        |        | 8.4    | 125   |
| 130   |       |       |       |       |       |        |        |        | 7.6    | 130   |
| I     | 0     | 46    | 77    | 92    | 0     | 92     | 92     | 0      | 92     | I     |
| II    | 0     | 0     | 0     | 0     | 46    | 23     | 46     | 92     | 69     | II    |
| % III | 0     | 0     | 0     | 0     | 46    | 23     | 46     | 92     | 69     | % III |

over rear / en arrière

TAB 93120 / 93122

## Remarks referring to load charts.

- The tabulated lifting capacities do not exceed 85 % of the tipping load.
- The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2, and with F. E. M. regulations.
- The 85 % overturning limit values take into account wind force 5 = wind speed 20 mph.
- Lifting capacities are given in kips.
- The weight of the hook blocks and hooks must be deducted from the lifting capacities.
- Working radii are measured from the slewing centreline.
- The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
- Lifting capacities are subject to modifications.
- Lifting capacities above 268 kips only with special equipment.

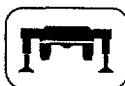
## Remarques relatives aux tableaux des charges.

- Les forces de levage indiquées ne dépassent pas 85 % de la charge de basculement.
- La norme DIN 15018, 3ème partie est appliquée pour les charpentes. La construction de la grue est réalisée conformément à la norme DIN 15018, 2ème partie, et aux règles de la F. E. M.
- A 85 % de la charge de basculement, il a été tenu compte d'un vent de force 5 = vitesse de vent 20 mph.
- Les forces de levage sont données en kips.
- Le poids des moufles et crochets doit être soustrait des charges indiquées.
- Les portées sont calculées à partir de l'axe de rotation.
- Les forces indiquées pour la flèche télescopique s'entendent fléchette dépliée déposée.
- Les forces de levage sont modifiables sans préavis.
- Forces de levage plus de 268 kips seulement avec équipement supplémentaire.

Lifting capacities are given in kips (1,000 lbs).



46 ft - 148 ft



360°



42300 lbs

85%

| ft    | 46 ft | 62 ft | 72 ft | 77 ft | 93 ft | 108 ft | 124 ft | 139 ft | 148 ft | ft  |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-----|
| 10    | 261   | 240   |       |       |       |        |        |        |        | 10  |
| 11    | 241   | 228   |       |       |       |        |        |        |        | 11  |
| 12    | 222   | 215   | 180   |       |       |        |        |        |        | 12  |
| 13    | 205   | 202   | 182   |       |       |        |        |        |        | 13  |
| 14    | 191   | 190   | 180   | 143   |       |        |        |        |        | 14  |
| 15    | 178   | 175   | 145   | 129   | 86    |        |        |        |        | 15  |
| 16    | 167   | 165   | 147   | 129   | 86.5  |        |        |        |        | 16  |
| 17    | 157   | 156   | 145   | 129   | 87    | 92.5   |        |        |        | 17  |
| 18    | 149   | 147   | 140   | 128   | 88    | 93     |        |        |        | 18  |
| 20    | 133   | 131   | 130   | 125   | 89.5  | 93.5   | 71     | 63.5   |        | 20  |
| 22    | 120   | 119   | 118   | 116   | 89.5  | 94     | 71.5   | 61.5   |        | 22  |
| 24    | 110   | 108   | 107   | 107   | 87.5  | 93.5   | 71.5   | 59.5   | 59.6   | 24  |
| 26    | 100   | 98.5  | 98    | 97.5  | 83    | 91     | 72     | 56.8   | 59.4   | 26  |
| 28    | 92.5  | 91    | 90    | 90    | 79.5  | 87.5   | 71     | 54.4   | 58.9   | 28  |
| 30    | 85.5  | 83.5  | 83    | 82.5  | 76    | 82.5   | 69.5   | 52.1   | 58.3   | 30  |
| 32    | 79.5  | 78    | 77    | 76    | 73    | 75.5   | 68     | 50.1   | 57.5   | 32  |
| 34    |       | 72.5  | 71    | 70    | 70    | 69.5   | 65     | 48.2   | 56.3   | 34  |
| 36    |       | 67.5  | 65.5  | 64.5  | 67.5  | 64     | 61     | 46.4   | 54.8   | 36  |
| 38    |       | 63    | 60    | 58.6  | 65    | 58.4   | 57.1   | 44.6   | 53.2   | 38  |
| 40    |       | 58.3  | 55.2  | 53.5  | 62    | 53.6   | 53.3   | 43     | 51.2   | 40  |
| 45    |       | 48.6  | 45.4  | 44    | 53.5  | 44.5   | 44.6   | 39.5   | 43.9   | 45  |
| 50    |       | 40.2  | 38.1  | 36.8  | 46.2  | 37.5   | 37.9   | 36.4   | 37.6   | 50  |
| 55    |       |       | 31.9  | 30.9  | 39.8  | 31.8   | 32.4   | 33.5   | 32.3   | 55  |
| 60    |       |       |       | 26    | 34.3  | 27.1   | 27.8   | 30.9   | 27.9   | 60  |
| 65    |       |       |       | 21.5  | 29.8  | 23.4   | 24.1   | 28.7   | 24.3   | 65  |
| 70    |       |       |       |       |       | 20.1   | 21.1   | 26.5   | 21.3   | 70  |
| 75    |       |       |       |       |       | 17.2   | 18.4   | 24.1   | 18.7   | 75  |
| 80    |       |       |       |       |       |        | 15.9   | 21.5   | 16.4   | 80  |
| 85    |       |       |       |       |       |        | 13.7   | 19.2   | 14.4   | 85  |
| 90    |       |       |       |       |       |        | 11.8   | 17.2   | 12.5   | 90  |
| 95    |       |       |       |       |       |        | 10     | 15.5   | 10.7   | 95  |
| 100   |       |       |       |       |       |        |        | 9.2    | 9.9    | 100 |
| 105   |       |       |       |       |       |        |        | 8      | 8.6    | 105 |
| 110   |       |       |       |       |       |        |        | 6.9    | 7.5    | 110 |
| 115   |       |       |       |       |       |        |        |        | 6.6    | 115 |
| 120   |       |       |       |       |       |        |        |        | 5.6    | 120 |
| 125   |       |       |       |       |       |        |        |        | 4.7    | 125 |
| 130   |       |       |       |       |       |        |        |        | 3.8    | 130 |
| I     | 0     | 46    | 77    | 92    | 0     | 92     | 92     | 0      | 92     | I   |
| II    | 0     | 0     | 0     | 0     | 46    | 23     | 46     | 92     | 69     | II  |
| % III | 0     | 0     | 0     | 0     | 46    | 23     | 46     | 92     | 69     | III |

" over rear / en arrière

TAB 93121 / 93123

# CRANETRADER

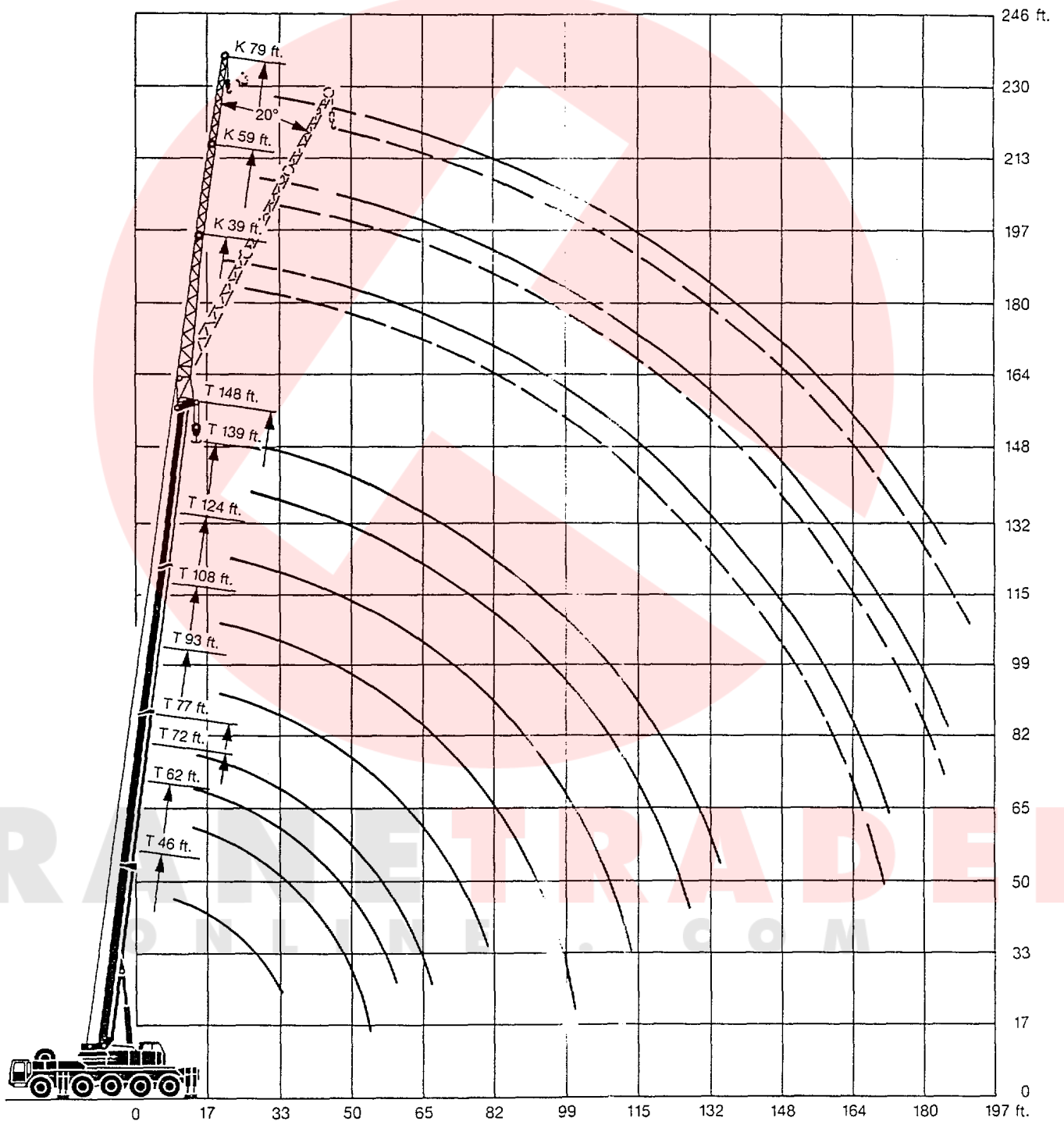
## ONLINE . COM

**Les forces de levage sont données en kips (1,000 lbs).**



# Lifting heights. Hauteurs de levage.

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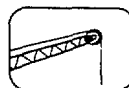
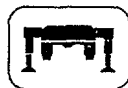


# Lifting capacities at the folding jib. Forces de levage à la fléchette pliante.

LTM 1120



108 ft - 148 ft

0°  
39 ft - 98 ft

360°



63300 lbs



00%

| ft  | 124 ft | 139 ft | 148 ft | 108 ft | 139 ft | 148 ft | 139 ft | 148 ft | ft  |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| ft  | 39 ft  | 39 ft  | 39 ft  | 59 ft  | 59 ft  | 59 ft  | 79 ft  | 79 ft  | ft  |
| 34  | 30.1   | 24.9   |        | 19.2   |        |        |        |        | 34  |
| 36  | 30.2   | 24.9   |        | 18.9   |        |        |        |        | 36  |
| 38  | 30.3   | 24.8   |        | 18.6   |        |        |        |        | 38  |
| 40  | 30.3   | 24.8   | 21.6   | 18.2   | 16.2   |        |        |        | 40  |
| 45  | 30.4   | 24.5   | 21.2   | 17.4   | 15.8   |        |        |        | 45  |
| 50  | 29.2   | 23.9   | 20.5   | 16.7   | 15.3   | 14.3   | 10.3   |        | 50  |
| 55  | 27.5   | 22.8   | 19.4   | 15.9   | 14.9   | 14.1   | 10     | 9.6    | 55  |
| 60  | 25.7   | 21.3   | 18     | 15.2   | 14.4   | 13.7   | 9.7    | 9.4    | 60  |
| 65  | 24.2   | 20     | 16.7   | 14.5   | 13.9   | 13.2   | 9.5    | 9.2    | 65  |
| 70  | 22.8   | 18.8   | 15.6   | 13.9   | 13.5   | 12.4   | 9.2    | 9      | 70  |
| 75  | 21.5   | 17.8   | 14.7   | 13.1   | 13     | 11.6   | 9      | 8.7    | 75  |
| 80  | 20.4   | 16.7   | 13.8   | 12.2   | 12.6   | 10.9   | 8.7    | 8.5    | 80  |
| 85  | 19.3   | 15.8   | 13     | 11.5   | 12.2   | 10.3   | 8.5    | 8.2    | 85  |
| 90  | 18.4   | 15     | 12.2   | 10.9   | 11.7   | 9.8    | 8.2    | 7.9    | 90  |
| 95  | 17.2   | 14.2   | 11.4   | 10.3   | 11.2   | 9.3    | 8      | 7.5    | 95  |
| 100 | 15.8   | 13.5   | 10.6   | 9.8    | 10.6   | 8.9    | 7.8    | 7.2    | 100 |
| 105 | 14.2   | 12.9   | 9.9    | 9.3    | 10.1   | 8.4    | 7.6    | 6.9    | 105 |
| 110 | 12.7   | 12.3   | 9.3    | 8.9    | 9.7    | 7.9    | 7.4    | 6.6    | 110 |
| 115 | 11.3   | 11.1   | 8.8    | 8.5    | 9.3    | 7.5    | 7.3    | 6.3    | 115 |
| 120 | 10.1   | 10     | 8.3    | 8.1    | 9      | 7.1    | 7.1    | 5.9    | 120 |
| 125 | 9.1    | 9      | 7.7    | 7.8    | 8.7    | 6.7    | 6.9    | 5.6    | 125 |
| 130 | 8.3    | 8.2    | 7.2    | 7.5    | 8.4    | 6.3    | 6.8    | 5.2    | 130 |
| 135 | 7.5    | 7.4    | 6.6    | 7.3    | 8      | 6      | 6.6    | 4.9    | 135 |
| 140 | 6.8    | 6.7    | 6.2    | 7      | 7.5    | 5.7    | 6.5    | 4.7    | 140 |
| 145 | 6.1    | 6      | 5.7    | 6.8    | 6.8    | 5.4    | 6.2    | 4.4    | 145 |
| 150 | 5.4    | 5.4    | 5.1    | 6.6    | 6.2    | 5.1    | 5.9    | 4.2    | 150 |
| 155 |        | 4.8    | 4.5    | 6.4    | 5.6    | 4.9    | 5.7    | 3.9    |     |
| 160 |        | 4.2    | 3.9    |        | 5.1    | 4.6    | 5.4    | 3.7    |     |
| 165 |        |        | 3.4    |        | 4.6    | 4.3    | 4.9    | 3.5    |     |
| 170 |        |        | 2.8    |        | 4.1    | 3.8    | 4.4    | 3.4    |     |
| 175 |        |        |        |        | 3.5    | 3.3    | 4      | 3.2    |     |
| 180 |        |        |        |        | 3      | 2.8    | 3.5    | 3      |     |
| 185 |        |        |        |        |        |        | 3.1    | 2.8    |     |
| 190 |        |        |        |        |        |        | 2.7    | 2.4    |     |

TAB 93086

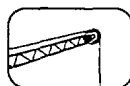
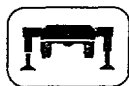
CRANETRADE  
ONLINE . COM



LTM 1120



108 ft - 148 ft

20°  
39 ft - 98 ft

360°



63300 lbs

85%

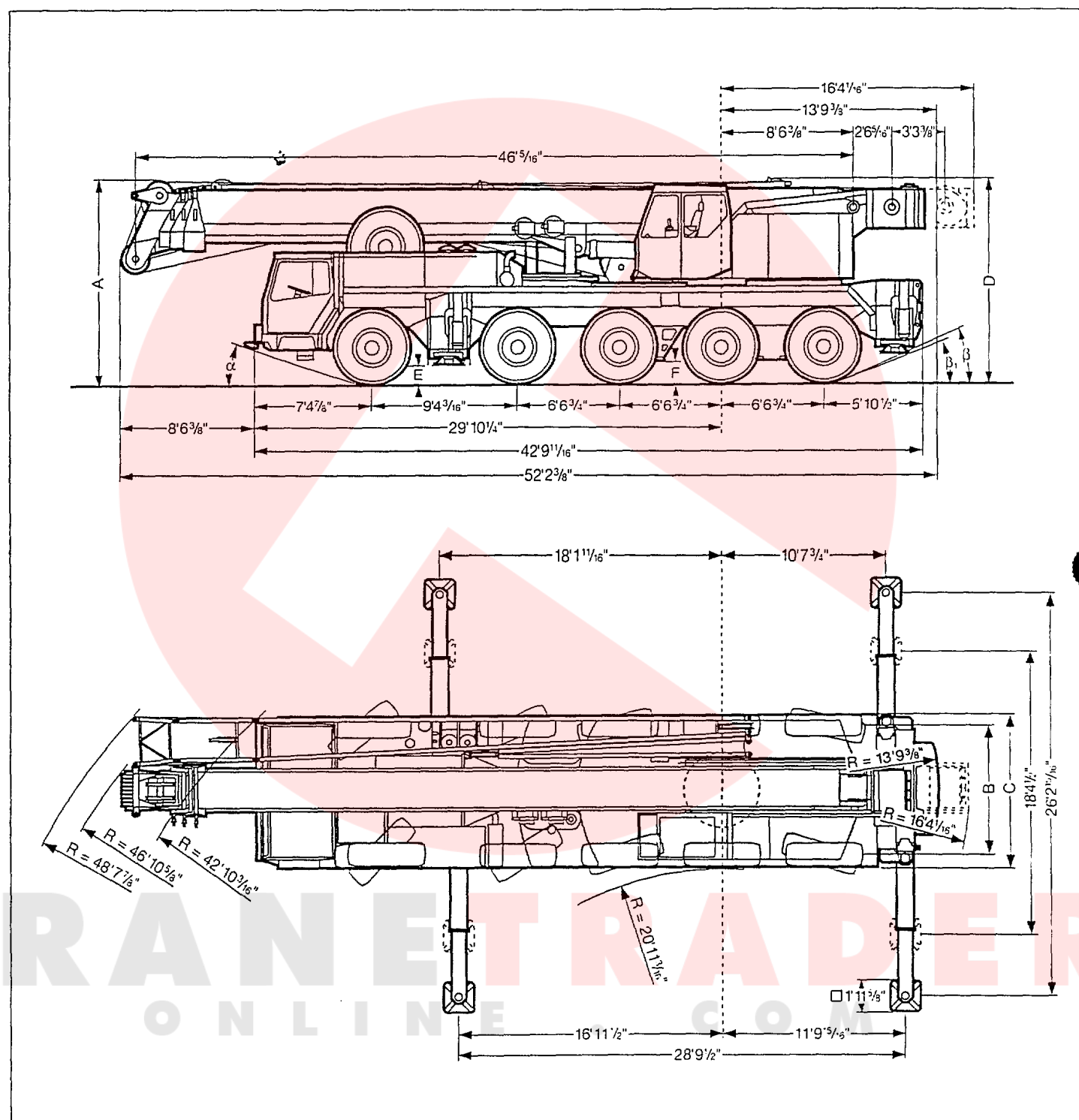
|  ft | 124 ft | 139 ft | 148 ft | 108 ft | 139 ft | 148 ft | 139 ft | 148 ft |  ft |
|--------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------------------------------------------------------------------|
|                                                                                      | 39 ft  | 39 ft  | 39 ft  | 59 ft  | 59 ft  | 59 ft  | 79 ft  | 79 ft  |                                                                                        |
| 40                                                                                   | 20.2   | 15.6   |        | 12.7   |        |        |        |        | 40                                                                                     |
| 45                                                                                   | 19.2   | 14.9   |        | 12     |        |        |        |        | 45                                                                                     |
| 50                                                                                   | 18.4   | 14.2   | 11.3   | 11.4   |        |        |        |        | 50                                                                                     |
| 55                                                                                   | 17.7   | 13.6   | 10.8   | 10.8   | 10.5   | 8.5    |        |        | 55                                                                                     |
| 60                                                                                   | 17     | 13     | 10.4   | 10.3   | 10.1   | 8.2    | 7.6    | 6.6    | 60                                                                                     |
| 65                                                                                   | 16.4   | 12.5   | 10     | 9.9    | 9.7    | 7.9    | 7.4    | 6.4    | 65                                                                                     |
| 70                                                                                   | 15.8   | 12     | 9.6    | 9.4    | 9.4    | 7.6    | 7.3    | 6.1    | 70                                                                                     |
| 75                                                                                   | 15.3   | 11.6   | 9.2    | 9.1    | 9.1    | 7.3    | 7.1    | 5.9    | 75                                                                                     |
| 80                                                                                   | 14.8   | 11.2   | 8.8    | 8.7    | 8.8    | 7.1    | 7      | 5.7    | 80                                                                                     |
| 85                                                                                   | 14.3   | 10.9   | 8.3    | 8.4    | 8.5    | 6.9    | 6.8    | 5.5    | 85                                                                                     |
| 90                                                                                   | 13.8   | 10.5   | 7.9    | 8.2    | 8.3    | 6.6    | 6.7    | 5.3    | 90                                                                                     |
| 95                                                                                   | 13.4   | 10.2   | 7.5    | 7.9    | 8.1    | 6.5    | 6.6    | 5.1    | 95                                                                                     |
| 100                                                                                  | 13     | 10     | 7.1    | 7.7    | 7.9    | 6.3    | 6.4    | 5      | 100                                                                                    |
| 105                                                                                  | 12.7   | 9.7    | 6.8    | 7.5    | 7.7    | 6.1    | 6.2    | 4.8    | 105                                                                                    |
| 110                                                                                  | 12.5   | 9.5    | 6.6    | 7.3    | 7.5    | 5.9    | 5.9    | 4.7    | 110                                                                                    |
| 115                                                                                  | 11.9   | 9.3    | 6.3    | 7.1    | 7.4    | 5.8    | 5.8    | 4.5    | 115                                                                                    |
| 120                                                                                  | 10.9   | 9.2    | 6.1    | 6.9    | 7.2    | 5.6    | 5.7    | 4.4    | 120                                                                                    |
| 125                                                                                  | 9.7    | 9      | 5.8    | 6.8    | 7.1    | 5.4    | 5.6    | 4.3    | 125                                                                                    |
| 130                                                                                  | 8.8    | 8.8    | 5.6    | 6.7    | 6.9    | 5.2    | 5.5    | 4.2    | 130                                                                                    |
| 135                                                                                  | 8      | 8.2    | 5.5    | 6.5    | 6.8    | 5      | 5.4    | 4.1    | 135                                                                                    |
| 140                                                                                  | 7.2    | 7.4    | 5.3    | 6.4    | 6.7    | 4.8    | 5.3    | 4      | 140                                                                                    |
| 145                                                                                  |        | 6.7    | 5.2    | 6.3    | 6.6    | 4.6    | 5.2    | 3.8    | 145                                                                                    |
| 150                                                                                  |        | 6      | 5.1    | 5.3    | 6.4    | 4.5    | 5.1    | 3.7    | 150                                                                                    |
| 155                                                                                  |        | 5.3    | 4.9    |        | 6.2    | 4.3    | 5      | 3.6    | 155                                                                                    |
| 160                                                                                  |        | 4.6    | 4.5    |        | 5.7    | 4.2    | 4.9    | 3.4    | 160                                                                                    |
| 165                                                                                  |        |        | 3.9    |        | 5.1    | 4.1    | 4.8    | 3.3    | 165                                                                                    |
| 170                                                                                  |        |        | 3.2    |        | 4.6    | 3.9    | 4.7    | 3.1    | 170                                                                                    |
| 175                                                                                  |        |        |        |        | 4      | 3.7    | 4.6    | 3      | 175                                                                                    |
| 180                                                                                  |        |        |        |        | 3.4    | 3.3    | 4.2    | 2.8    | 180                                                                                    |
| 185                                                                                  |        |        |        |        |        |        | 3.7    | 2.7    | 185                                                                                    |
| 190                                                                                  |        |        |        |        |        |        | 3.3    | 2.6    | 190                                                                                    |
| 195                                                                                  |        |        |        |        |        |        | 2.7    | 2.5    | 195                                                                                    |

TAB 93087

# CRANETRADER

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## Dimensions. Encombrement.



|  | Dimensions / Encombrement mm |           |          |       |           |       |           |     |     |
|-------------------------------------------------------------------------------------|------------------------------|-----------|----------|-------|-----------|-------|-----------|-----|-----|
|                                                                                     | A                            | A<br>6"   | B        | C     | D         | E     | F         | α   | β   |
| 16.00 R 25                                                                          | 12'9 1/2"                    | 12'3 1/2" | 8'4 1/4" | 9'10" | 12'5 1/4" | 14'4" | 18'1 1/2" | 23° | 25° |

\* lowered / abaissé



## Weights. Poids.

LTM 1120



| Axle<br>Essieu | 1     | 2     | 3     | 4     | 5     | Total weight<br>Poids total |
|----------------|-------|-------|-------|-------|-------|-----------------------------|
| lbs            | 26500 | 26500 | 26500 | 26500 | 26500 | 132500                      |

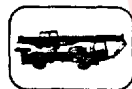
with 3980 lbs counterweight and 3300 lbs substitute ballast resp. hoisting gear 2

avec contrepoids 3980 lbs et contrepoids de remplacement 3300 lbs resp. deuxième mécanisme de levage



| Load (kips)<br>Forces de levage (kips) | No. of sheaves<br>Poulies | No. of lines<br>Brins | Weight lbs<br>Poids lbs |
|----------------------------------------|---------------------------|-----------------------|-------------------------|
| 264.6                                  | 8                         | 17                    | 2447                    |
| 220.5                                  | 7                         | 14                    | 2161                    |
| 180.8                                  | 5                         | 11                    | 1940                    |
| 119                                    | 3                         | 7                     | 1146                    |
| 52.9                                   | 1                         | 3                     | 882                     |
| 17.6                                   | -                         | 1                     | 419                     |

## Working speeds. Vitesses.



|  | 1          | 2   | 3    | 4    | 5    | R   |      |
|--|------------|-----|------|------|------|-----|------|
|  | 8          | 13  | 20.5 | 30.2 | 43   | 9.4 | 26 % |
|  | 4.5        | 7.5 | 12   | 17.2 | 24.7 | 5.3 | 48 % |
|  | 16.00 R 25 |     |      |      |      |     |      |



| Drive<br>Mécanismes | infinitely variable<br>en continu                                                                      | Rope diameter / Rope length<br>Diamètre du câble / Longueur du câble | Max. single line pull<br>Effort au brin maxi. |
|---------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|
|                     | 0 - 395 ft/min single line<br>ft/min au brin simple                                                    | 13/16" / 820'                                                        | 17625 lbs                                     |
|                     | 0 - 395 ft/min single line<br>ft/min au brin simple                                                    | 13/16" / 738'                                                        | 17625 lbs                                     |
|                     | 0 - 2.0 rpm                                                                                            |                                                                      |                                               |
|                     | approx. 50 seconds to reach 83° boom angle<br>env. 50 s jusqu'à 83°                                    |                                                                      |                                               |
|                     | approx. 150 seconds for boom extension from 46 ft - 148 ft<br>env. 150 s pour passer de 46 ft - 148 ft |                                                                      |                                               |



|                           |                                                                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frame:</b>             | Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel.                                                                     |
| <b>Outriggers:</b>        | 4 sliding beams with hydraulic extension cylinders and hydraulic support pad jacks. Front outriggers mounted between axles 1 and 2, rear outriggers at rear of truck chassis.                       |
| <b>Engine:</b>            | Diesel, 8 cylinder, watercooled, make Daimler-Benz, type OM 442 LA, output 353 kW DIN (480 HP) at 2100 rpm, max. torque 1473 lbs-ft at 1000 - 1600 rpm. Fuel tank capacity: 185 gallons.            |
| <b>Transmission:</b>      | Allison type CLBT 754 automatic transmission with torque converter and hydrodynamic retarder brake. 5 forward speeds, 1 reverse. Transfer box with front wheel drive engagement and off-road range. |
| <b>Axles:</b>             | Heavy duty crane truck axles, all 5 axles sprung. Axles 1, 2, 3 and 5 steered. Axles 1, 4 and 5 have planetary reduction gears and inter-axle differentials.                                        |
| <b>Suspension:</b>        | All axles are hydropneumatically sprung with automatic levelling. Load equalization between axles 1 and 2, single axle 3 and axles 4 and 5. Suspension hydraulically locked.                        |
| <b>Tyres:</b>             | 10 tyres, all axles with single tyres. Tyre size: 16.00 R 25.                                                                                                                                       |
| <b>Steering:</b>          | ZF semi-unitary hydraulic power steering, dual circuit system, with hydraulic servo mechanism and auxiliary pump circuit.                                                                           |
| <b>Brakes:</b>            | Service brake: servo assisted air brakes acting on all wheels, dual circuit system. Hand brake: spring-action, acting on all wheels of axles 2 to 5.                                                |
| <b>Driver's cab:</b>      | Large-area, all-steel cab with resilient mountings, safety glass windows and full range of instruments.                                                                                             |
| <b>Electrical system:</b> | 24 Volts DC, 2 batteries, lighting to German road vehicle regulations.                                                                                                                              |

## Crane superstructure.

|                           |                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Frame:</b>             | Liebherr-made, torsion-resistant, welded construction made of high-tensile structural steel. Connection to truck chassis by triple roller slewing ring, designed for 360° continuous rotation.                                                                         |
| <b>Crane engine:</b>      | Diesel, 6 cylinder, watercooled, make Daimler-Benz, type OM 366 A, output 121 kW DIN (165 HP) at 2300 rpm, max. torque 415 lbs-ft at 1500 rpm. Fuel tank capacity: 74 gallons.                                                                                         |
| <b>Crane drive:</b>       | Diesel-hydraulic, with 1 duplex axial-piston pump with automatic output control 1 duplex gear-type pump, open hydraulic circuits.                                                                                                                                      |
| <b>Crane control:</b>     | By self-centering control lever, movable in 4 directions (cross-control arrangement).                                                                                                                                                                                  |
| <b>Main winch:</b>        | Axial piston motor, full hydraulic power up and down. Hoist drum with integrated planetary gear and spring loaded brake.                                                                                                                                               |
| <b>Luffing gear:</b>      | Twin double-acting hydraulic cylinder with integral safety locking valves.                                                                                                                                                                                             |
| <b>Slewing gear:</b>      | Planetary gear with flange connected hydraulic motor and spring loaded brake.                                                                                                                                                                                          |
| <b>Crane cab:</b>         | All-steel construction, safety glazing, controls and instruments.                                                                                                                                                                                                      |
| <b>Safety devices:</b>    | LICCON overload safety indicator, hoist limit switch, safety valves to protect hydraulic system against pipe and hose fracture.                                                                                                                                        |
| <b>Telescopic boom:</b>   | 1 boom pivot section and 3 telescopic sections; can be extended hydraulically under partial load. Telescopic section 1 can be hydraulically extended independently, telescopic sections 2 and 3 can be extended with synchronised action. Boom length: 46 ft - 148 ft. |
| <b>Electrical system:</b> | 24 Volts DC, 2 batteries.                                                                                                                                                                                                                                              |

## Additional equipment.

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| <b>Folding jib:</b>     | 39 ft - 98 ft long, for straight-line boom extension. |
| <b>Hoisting gear 2:</b> | For two-hook operation.                               |

Other items of equipment available on request.