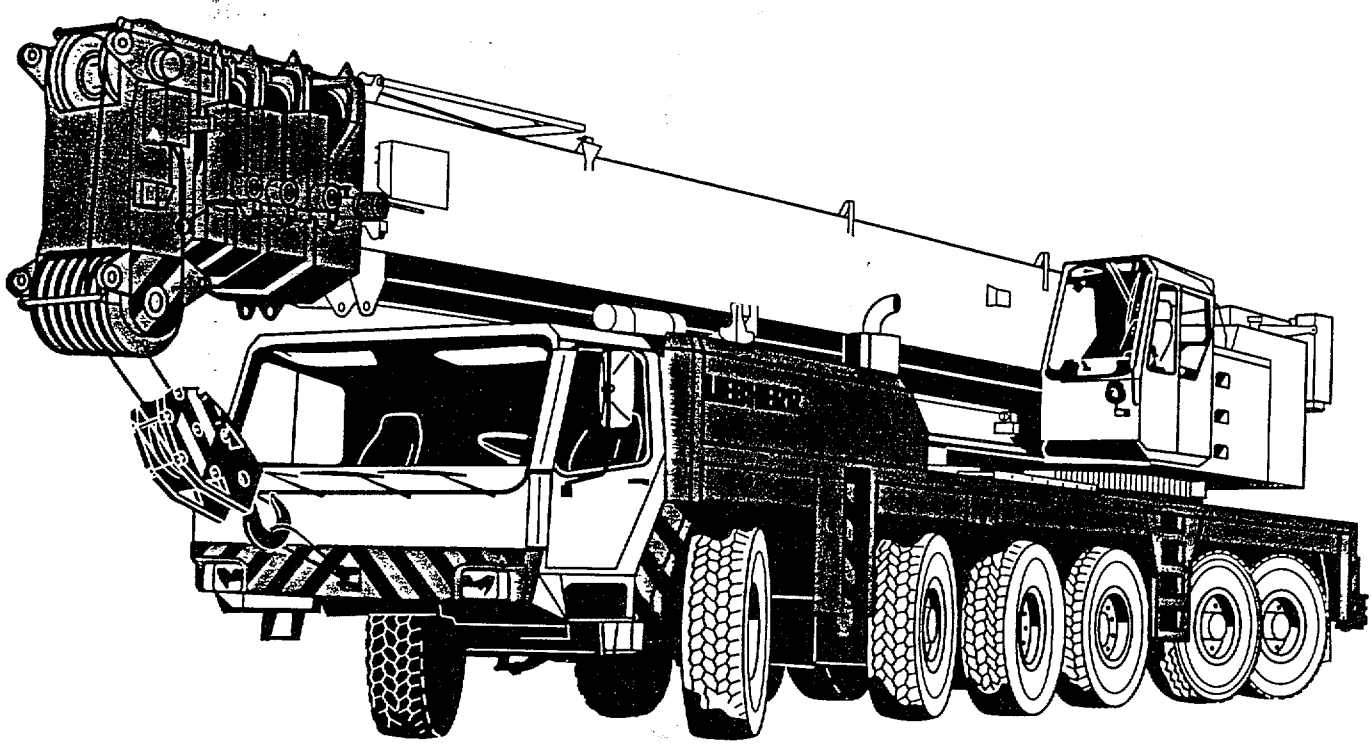
LIEBHERR

LTM 1225-A

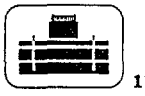
# 300 TON



# Lifting capacities at telescopic boom.


50 ft – 197 ft


360°


176 400 lbs

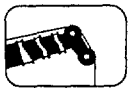
85%

| ft | 50 ft 1) | 50 ft 2) | | 67 ft | 84 ft | | 100 ft | | 117 ft | | 134 ft | 151 ft | | 168 ft | 185 ft | 197 ft | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 600 | | | | | | | | | | | | | | | | 9 |
| 10 | 482 | 400 | 392 | | | | | | | | | | | | | | 10 |
| 11 | 463 | 377 | 373 | | | | | | | | | | | | | | 11 |
| 12 | 441 | 355 | 354 | 317 | | | | | | | | | | | | | 12 |
| 13 | 417 | 335 | 334 | 300 | | | | | | | | | | | | | 13 |
| 14 | 393 | 319 | 319 | 287 | 245 | 97 | | | | | | | | | | | 14 |
| 15 | 369 | 305 | 305 | 275 | 245 | 97 | | | | | | | | | | | 15 |
| 16 | 348 | 295 | 294 | 267 | 241 | 97 | | | | | | | | | | | 16 |
| 17 | 329 | 286 | 283 | 260 | 236 | 97 | 181 | 162 | | | | | | | | | 17 |
| 18 | 311 | 278 | 272 | 252 | 230 | 97 | 181 | 159 | | | | | | | | | 18 |
| 20 | 279 | 261 | 250 | 238 | 217 | 96.5 | 181 | 153 | 143 | 90 | | | | | | | 20 |
| 22 | 254 | 247 | 233 | 226 | 205 | 92 | 174 | 147 | 142 | 86.5 | | | | | | | 22 |
| 24 | 232 | 231 | 217 | 213 | 194 | 87.5 | 167 | 141 | 140 | 82.5 | 110 | | | | | | 24 |
| 26 | 212 | 212 | 202 | 200 | 184 | 83 | 159 | 135 | 135 | 79 | 110 | | | | | | 26 |
| 28 | 197 | 197 | 190 | 188 | 175 | 78.5 | 151 | 129 | 131 | 76 | 108 | 86 | 68 | | | | 28 |
| 30 | 183 | 183 | 179 | 176 | 166 | 75 | 144 | 124 | 126 | 72.5 | 105 | 86 | 67 | 67 | | | 30 |
| 32 | 170 | 170 | 169 | 166 | 159 | 71.5 | 137 | 118 | 121 | 69.5 | 102 | 84.5 | 65.5 | 67 | | | 32 |
| 34 | 160 | 156 | 155 | 156 | 151 | 68.5 | 131 | 114 | 116 | 67 | 99 | 82.5 | 64 | 66.5 | 52 | 43.5 | 34 |
| 36 | 151 | 141 | 140 | 147 | 143 | 65.5 | 124 | 109 | 112 | 64 | 96 | 80.5 | 62.5 | 66 | 52 | 43.5 | 36 |
| 38 | 142 | | 125 | 139 | 136 | 63 | 118 | 105 | 107 | 61.5 | 93.5 | 78 | 61 | 65 | 52.1 | 43.4 | 38 |
| 40 | | | | 130 | 129 | 60 | 113 | 100 | 102 | 58.9 | 90.5 | 76 | 59.6 | 64 | 52 | 43.3 | 40 |
| 45 | | | | 114 | 112 | 54.8 | 102 | 91 | 92 | 53.3 | 82.5 | 71 | 55.8 | 60.5 | 50.3 | 42.9 | 45 |
| 50 | | | | 98.5 | 99.5 | 50.3 | 92 | 83 | 83 | 48.4 | 75.5 | 66 | 52 | 57.2 | 48.4 | 42.1 | 50 |
| 55 | | | | | 88 | 46.5 | 83.5 | 76 | 75 | 44 | 68.5 | 61.5 | 48.3 | 53.9 | 46.5 | 41 | 55 |
| 60 | | | | | 78.5 | 43.3 | 76 | 70.5 | 68 | 40.2 | 63 | 57.1 | 44.8 | 50.7 | 44.4 | 39.9 | 60 |
| 65 | | | | | 70 | 40.6 | 70 | 65.5 | 62 | 37 | 58.4 | 53.2 | 41.6 | 47.7 | 42.1 | 38.3 | 65 |
| 70 | | | | | | 38.3 | 64 | 61.5 | 57.2 | 34.2 | 53.9 | 49.3 | 38.8 | 44.8 | 39.9 | 36.6 | 70 |
| 75 | | | | | | | 58.3 | 58.1 | 52.8 | 31.7 | 49.8 | 45.9 | 36.1 | 42.2 | 37.7 | 34.9 | 75 |
| 80 | | | | | | | 52.1 | 54.4 | 49 | 29.6 | 46.2 | 42.9 | 33.7 | 39.6 | 35.7 | 33.1 | 80 |
| 85 | | | | | | | 44.2 | 48.8 | 45.8 | 27.7 | 42.9 | 40.2 | 31.5 | 37.2 | 33.7 | 31.4 | 85 |
| 90 | | | | | | | | | 43.1 | 26.1 | 40.1 | 37.5 | 29.6 | 35.1 | 31.9 | 29.8 | 90 |
| 95 | | | | | | | | | 40.2 | 24.7 | 37.5 | 35.1 | 27.8 | 33 | 30.1 | 28.1 | 95 |
| 100 | | | | | | | | | | 23.5 | 35.2 | 32.8 | 26.2 | 31.1 | 28.5 | 26.3 | 100 |
| 105 | | | | | | | | | | | 33.1 | 30.8 | 24.8 | 29.4 | 26.9 | 24.5 | 105 |
| 110 | | | | | | | | | | | 31.3 | 29 | 23.6 | 27.8 | 25.5 | 22.8 | 110 |
| 115 | | | | | | | | | | | 27.7 | 27.3 | 22.5 | 26.3 | 24.2 | 21.1 | 115 |
| 120 | | | | | | | | | | | | 25.8 | 21.4 | 24.9 | 22.9 | 19.6 | 120 |
| 125 | | | | | | | | | | | | 24.4 | 20.5 | 23.6 | 21.7 | 18.2 | 125 |
| 130 | | | | | | | | | | | | 23.2 | 19.7 | 22.4 | 20.7 | 17 | 130 |
| 135 | | | | | | | | | | | | | | 21.2 | 19.7 | 15.8 | 135 |
| 140 | | | | | | | | | | | | | | 20.1 | 18.7 | 14.8 | 140 |
| 145 | | | | | | | | | | | | | | 18.9 | 17.9 | 13.9 | 145 |
| 150 | | | | | | | | | | | | | | 16.5 | 17.1 | 13.1 | 150 |
| 155 | | | | | | | | | | | | | | | 16.3 | 12.5 | 155 |
| 160 | | | | | | | | | | | | | | | 15.7 | 11.9 | 160 |
| 165 | | | | | | | | | | | | | | | | 11.5 | 165 |
| 170 | | | | | | | | | | | | | | | | 11.1 | 170 |
| 175 | | | | | | | | | | | | | | | | 10.7 | 175 |
| I | | 0 | | 46 | 92 | 0 | 92 | 0 | 92 | 0 | 92 | 92 | 0 | 92 | 92 | 100 | I |
| II | | 0 | | 0 | 0 | 0 | 46 | 92 | 92 | 0 | 92 | 92 | 92 | 92 | 92 | 100 | II |
| III | | 0 | | 0 | 0 | 0 | 0 | 46 | 0 | 92 | 46 | 92 | 92 | 92 | 92 | 100 | III |
| % IV | | 0 | | 0 | 0 | 92 | 0 | 0 | 0 | 92 | 0 | 0 | 92 | 46 | 92 | 100 | IV % |

1) with additional equipment, over rear, support base 33'9½" x 18'8¼"
2) with additional pulley block, over rear, support base 33'9½" x 28'2½"

TAB 98073 / 98076

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


50 ft – 197 ft


360°


143 300 lbs

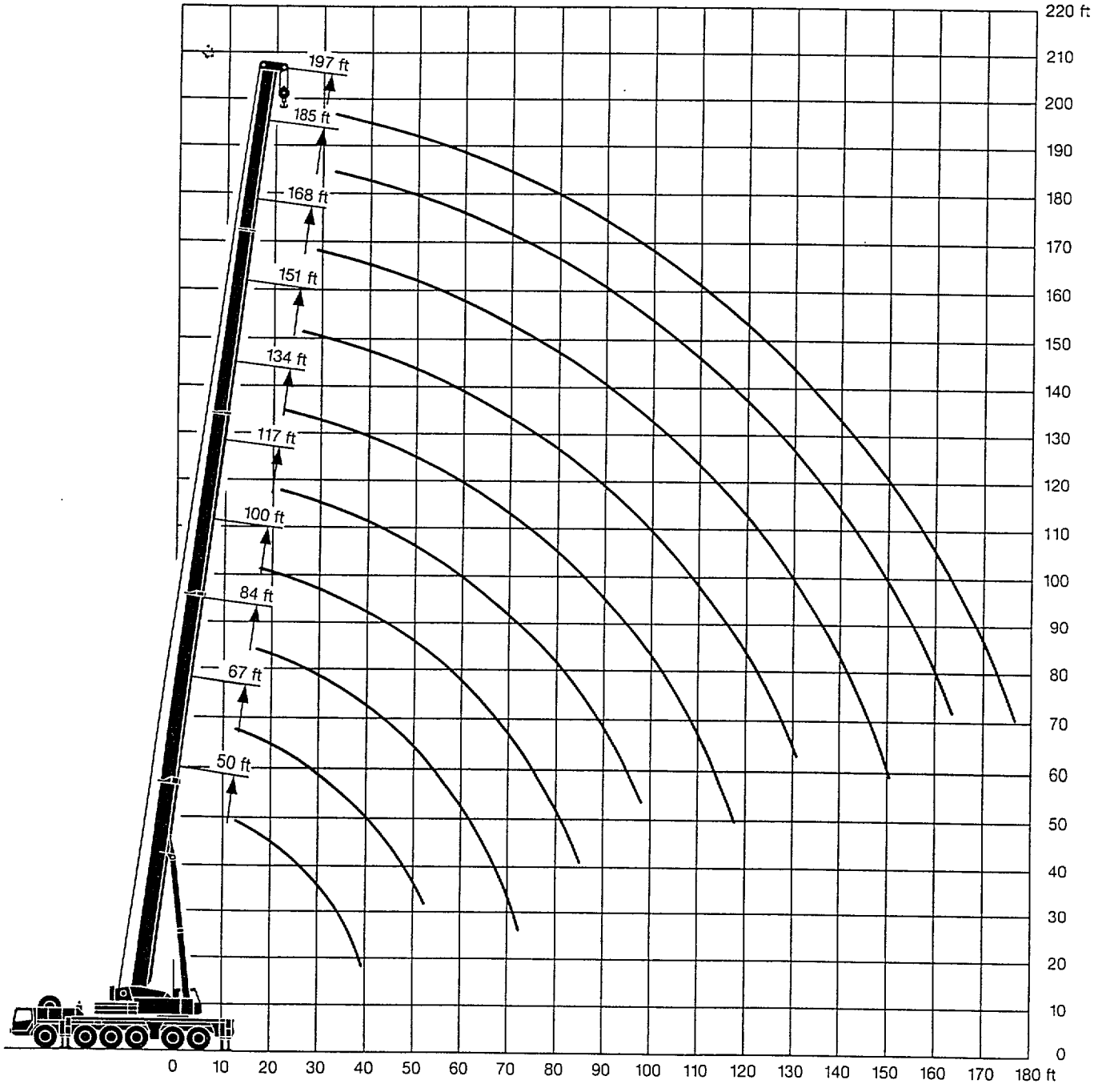
85%

| ft | 50 ft [1] | 50 ft [2] | | 67 ft | 84 ft | | 100 ft | | 117 ft | | 134 ft | 151 ft | | 168 ft | 185 ft | 197 ft | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 481 | 400 | 390 | | | | | | | | | | | | | | 10 |
| 11 | 457 | 377 | 371 | | | | | | | | | | | | | | 11 |
| 12 | 431 | 355 | 352 | 317 | | | | | | | | | | | | | 12 |
| 13 | 403 | 335 | 334 | 300 | | | | | | | | | | | | | 13 |
| 14 | 378 | 319 | 319 | 287 | 245 | 97 | | | | | | | | | | | 14 |
| 15 | 354 | 305 | 304 | 275 | 245 | 97 | | | | | | | | | | | 15 |
| 16 | 332 | 295 | 291 | 267 | 241 | 97 | | | | | | | | | | | 16 |
| 17 | 314 | 286 | 279 | 260 | 236 | 97 | 181 | 162 | | | | | | | | | 17 |
| 18 | 297 | 278 | 268 | 252 | 230 | 97 | 181 | 159 | | | | | | | | | 18 |
| 20 | 266 | 260 | 247 | 238 | 217 | 96.5 | 181 | 153 | 143 | 90 | | | | | | | 20 |
| 22 | 242 | 240 | 229 | 225 | 205 | 92 | 174 | 147 | 142 | 86.5 | | | | | | | 22 |
| 24 | 221 | 221 | 214 | 211 | 194 | 87.5 | 167 | 141 | 140 | 82.5 | 110 | | | | | | 24 |
| 26 | 202 | 202 | 200 | 197 | 184 | 83 | 159 | 135 | 135 | 79 | 110 | | | | | | 26 |
| 28 | 187 | 187 | 186 | 183 | 175 | 78.5 | 151 | 129 | 131 | 76 | 108 | 86 | 68 | | | | 28 |
| 30 | 174 | 174 | 173 | 170 | 166 | 75 | 144 | 124 | 126 | 72.5 | 105 | 86 | 67 | 67 | | | 30 |
| 32 | 162 | | 162 | 159 | 157 | 71.5 | 137 | 118 | 121 | 69.5 | 102 | 84.5 | 65.5 | 67 | | | 32 |
| 34 | 152 | | 150 | 150 | 148 | 68.5 | 131 | 114 | 116 | 67 | 99 | 82.5 | 64 | 66.5 | 52 | 43.5 | 34 |
| 36 | 143 | | 137 | 141 | 139 | 65.5 | 124 | 109 | 112 | 64 | 96 | 80.5 | 62.5 | 66 | 52 | 43.5 | 36 |
| 38 | 135 | | 124 | 132 | 131 | 63 | 118 | 105 | 107 | 61.5 | 93.5 | 78 | 61 | 65 | 52.1 | 43.4 | 38 |
| 40 | | | | 124 | 123 | 60 | 113 | 100 | 102 | 58.9 | 90.5 | 76 | 59.6 | 64 | 52 | 43.3 | 40 |
| 45 | | | | 108 | 107 | 54.8 | 102 | 91 | 92 | 53.2 | 82.5 | 71 | 55.8 | 60.5 | 50.3 | 42.9 | 45 |
| 50 | | | | 94.5 | 93 | 50.3 | 92 | 83 | 83 | 48.4 | 75.5 | 66 | 52 | 57.2 | 48.4 | 42.1 | 50 |
| 55 | | | | | 82 | 46.5 | 82.5 | 76 | 75 | 44 | 68.5 | 61.5 | 48.3 | 53.9 | 46.5 | 41 | 55 |
| 60 | | | | | 72.5 | 43.3 | 74 | 70.5 | 68 | 40.2 | 63 | 57.1 | 44.8 | 50.7 | 44.4 | 39.9 | 60 |
| 65 | | | | | 64.5 | 40.6 | 66 | 65.5 | 62 | 37 | 58.4 | 53.2 | 41.6 | 47.7 | 42.1 | 38.3 | 65 |
| 70 | | | | | | 38.3 | 59.1 | 61.5 | 57.2 | 34.2 | 53.9 | 49.3 | 38.8 | 44.8 | 39.9 | 36.6 | 70 |
| 75 | | | | | | | 53.2 | 57.3 | 52.6 | 31.7 | 49.8 | 45.9 | 36.1 | 42.2 | 37.7 | 34.9 | 75 |
| 80 | | | | | | | 47.7 | 52.7 | 48.3 | 29.6 | 46.2 | 42.9 | 33.7 | 39.6 | 35.7 | 33.1 | 80 |
| 85 | | | | | | | 42.6 | 47.7 | 43.8 | 27.7 | 42.9 | 40.2 | 31.5 | 37.2 | 33.7 | 31.4 | 85 |
| 90 | | | | | | | | | 39.4 | 26.1 | 40.1 | 37.5 | 29.6 | 35.1 | 31.9 | 29.8 | 90 |
| 95 | | | | | | | | | 35.5 | 24.7 | 37.1 | 35.1 | 27.8 | 33 | 30.1 | 28.1 | 95 |
| 100 | | | | | | | | | | 23.5 | 33.9 | 32.8 | 26.2 | 31.1 | 28.5 | 26.3 | 100 |
| 105 | | | | | | | | | | | 30.8 | 30.8 | 24.8 | 29.4 | 26.9 | 24.5 | 105 |
| 110 | | | | | | | | | | | 28 | 29 | 23.6 | 27.8 | 25.5 | 22.8 | 110 |
| 115 | | | | | | | | | | | 25.5 | 26.9 | 22.5 | 26.3 | 24.2 | 21.1 | 115 |
| 120 | | | | | | | | | | | | 24.7 | 21.4 | 24.9 | 22.9 | 19.6 | 120 |
| 125 | | | | | | | | | | | | 22.5 | 20.5 | 23.6 | 21.7 | 18.2 | 125 |
| 130 | | | | | | | | | | | | 20.7 | 19.7 | 22.4 | 20.7 | 17 | 130 |
| 135 | | | | | | | | | | | | | | 20.8 | 19.7 | 15.8 | 135 |
| 140 | | | | | | | | | | | | | | 19.2 | 18.7 | 14.8 | 140 |
| 145 | | | | | | | | | | | | | | 17.6 | 17.9 | 13.9 | 145 |
| 150 | | | | | | | | | | | | | | 16.3 | 17.1 | 13.1 | 150 |
| 155 | | | | | | | | | | | | | | | 16.2 | 12.5 | 155 |
| 160 | | | | | | | | | | | | | | | 15.1 | 11.9 | 160 |
| 165 | | | | | | | | | | | | | | | | 11.5 | 165 |
| 170 | | | | | | | | | | | | | | | | 11.1 | 170 |
| 175 | | | | | | | | | | | | | | | | 10.7 | 175 |
| I | 0 | | | 46 | 92 | 0 | 92 | 0 | 92 | 0 | 92 | 92 | 0 | 92 | 92 | 100 | I |
| II | 0 | | | 0 | 0 | 0 | 46 | 92 | 92 | 0 | 92 | 92 | 92 | 92 | 92 | 100 | II |
| III | 0 | | | 0 | 0 | 0 | 0 | 46 | 0 | 92 | 46 | 92 | 92 | 92 | 92 | 100 | III |
| % IV | 0 | | | 0 | 0 | 92 | 0 | 0 | 0 | 92 | 0 | 0 | 92 | 46 | 92 | 100 | IV % |

[1] with additional equipment, over rear, support base 33'9¼" × 18'8½"
[2] with additional pulley block, over rear, support base 33'9¼" × 28'2¼"

TAB 98074 / 98077

# Lifting heights.




50 ft – 197 ft


360°


99 200 lbs

85%

| ft | 50 ft [1] | 50 ft [2] | | 67 ft | 84 ft | | 100 ft | | 117 ft | | 134 ft | 151 ft | | 168 ft | 185 ft | 197 ft | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 469 | 400 | 383 | | | | | | | | | | | | | | 10 |
| 11 | 436 | 377 | 363 | | | | | | | | | | | | | | 11 |
| 12 | 404 | 355 | 344 | 317 | | | | | | | | | | | | | 12 |
| 13 | 374 | 335 | 326 | 300 | | | | | | | | | | | | | 13 |
| 14 | 349 | 319 | 314[3] | 287 | 245 | 97 | | | | | | | | | | | 14 |
| 15 | 326 | 305 | 297 | 275 | 245 | 97 | | | | | | | | | | | 15 |
| 16 | 306 | 295 | 284 | 267 | 241 | 97 | | | | | | | | | | | 16 |
| 17 | 289 | 284 | 272 | 260 | 236 | 97 | 181 | 162 | | | | | | | | | 17 |
| 18 | 273 | 270 | 261 | 252 | 230 | 97 | 181 | 159 | | | | | | | | | 18 |
| 20 | 244 | 244 | 240 | 237 | 217 | 96.5 | 181 | 153 | 143 | 90 | | | | | | | 20 |
| 22 | 222 | 222 | 221 | 217 | 205 | 92 | 174 | 147 | 142 | 86.5 | | | | | | | 22 |
| 24 | 203 | 203 | 202 | 200 | 193 | 87.5 | 167 | 141 | 140 | 82.5 | 110 | | | | | | 24 |
| 26 | 186 | | 186 | 183 | 181 | 83 | 159 | 135 | 135 | 79 | 110 | | | | | | 26 |
| 28 | 172 | | 172 | 170 | 166 | 78.5 | 151 | 129 | 131 | 76 | 108 | 86 | 68 | | | | 28 |
| 30 | 159 | | 159 | 157 | 151 | 75 | 143 | 124 | 126 | 72.5 | 105 | 86 | 67 | 67 | | | 30 |
| 32 | 148 | | 148 | 145 | 139 | 71.5 | 133 | 118 | 121 | 69.5 | 102 | 84.5 | 65.5 | 67 | | | 32 |
| 34 | 138 | | 138 | 135 | 128 | 68.5 | 124 | 114 | 115 | 67 | 99 | 82.5 | 64 | 66.5 | 52 | 43.5 | 34 |
| 36 | 129 | | 129 | 126 | 119 | 65.5 | 115 | 109 | 109 | 64 | 96 | 80.5 | 62.5 | 66 | 52 | 43.5 | 36 |
| 38 | 120 | | 120 | 117 | 109 | 63 | 106 | 105 | 102 | 61.5 | 93.5 | 78 | 61 | 65 | 52.1 | 43.4 | 38 |
| 40 | | | | 109 | 101 | 60 | 98.5 | 100 | 96 | 58.9 | 90 | 76 | 59.6 | 64 | 52 | 43.3 | 40 |
| 45 | | | | 92.5 | 85 | 54.8 | 83.5 | 89 | 81.5 | 53.2 | 80 | 71 | 55.8 | 60.5 | 50.3 | 42.9 | 45 |
| 50 | | | | 78.5 | 73 | 50.3 | 72 | 78 | 70.5 | 48.4 | 70 | 66 | 52 | 57.2 | 48.4 | 42.1 | 50 |
| 55 | | | | | 63 | 46.5 | 62.5 | 68.5 | 61.5 | 44 | 61.5 | 60.5 | 48.3 | 53.9 | 46.5 | 41 | 55 |
| 60 | | | | | 54.7 | 43.3 | 54.3 | 60 | 53.6 | 40.2 | 53.9 | 53.9 | 44.8 | 50.7 | 44.4 | 39.9 | 60 |
| 65 | | | | | 47.4 | 40.6 | 47.8 | 53.6 | 47.3 | 37 | 47.8 | 47.9 | 41.6 | 47.7 | 42.1 | 38.3 | 65 |
| 70 | | | | | | 38.3 | 42.4 | 48.1 | 42 | 34.2 | 42.6 | 42.9 | 38.8 | 43.7 | 39.9 | 36.6 | 70 |
| 75 | | | | | | | 37.4 | 43 | 37.4 | 31.7 | 38.1 | 38.5 | 36.1 | 39.7 | 37.7 | 34.9 | 75 |
| 80 | | | | | | | 32.8 | 38.2 | 33.4 | 29.6 | 34.1 | 34.7 | 33.7 | 35.9 | 35.5 | 33.1 | 80 |
| 85 | | | | | | | 28.7 | 34 | 29.8 | 27.7 | 30.7 | 31.3 | 31.5 | 32.5 | 33.1 | 31.4 | 85 |
| 90 | | | | | | | | | 26.4 | 26.1 | 27.7 | 28.3 | 29.6 | 29.6 | 30.3 | 29.8 | 90 |
| 95 | | | | | | | | | 23.2 | 24.7 | 25 | 25.7 | 27.8 | 27 | 27.7 | 27.6 | 95 |
| 100 | | | | | | | | | | 23.5 | 22.4 | 23.3 | 26.2 | 24.6 | 25.4 | 25.3 | 100 |
| 105 | | | | | | | | | | | 19.8 | 21.1 | 24.8 | 22.4 | 23.2 | 23.2 | 105 |
| 110 | | | | | | | | | | | 17.6 | 19 | 23.6 | 20.5 | 21.4 | 21.3 | 110 |
| 115 | | | | | | | | | | | 15.6 | 17.1 | 22.5 | 18.8 | 19.6 | 19.6 | 115 |
| 120 | | | | | | | | | | | | 15.2 | 21.1 | 17.1 | 18 | 18 | 120 |
| 125 | | | | | | | | | | | | 13.5 | 19.4 | 15.4 | 16.5 | 16.5 | 125 |
| 130 | | | | | | | | | | | | 12 | 17.9 | 13.9 | 15.1 | 15.2 | 130 |
| 135 | | | | | | | | | | | | | | 12.5 | 13.7 | 13.9 | 135 |
| 140 | | | | | | | | | | | | | | 11.2 | 12.5 | 12.6 | 140 |
| 145 | | | | | | | | | | | | | | 10 | 11.3 | 11.4 | 145 |
| 150 | | | | | | | | | | | | | | 8.9 | 10.2 | 10.3 | 150 |
| 155 | | | | | | | | | | | | | | | 9.2 | 9.2 | 155 |
| 160 | | | | | | | | | | | | | | | 8.2 | 8.3 | 160 |
| 165 | | | | | | | | | | | | | | | | 7.4 | 165 |
| 170 | | | | | | | | | | | | | | | | 6.6 | 170 |
| 175 | | | | | | | | | | | | | | | | 5.8 | 175 |
| I | | 0 | | 46 | 92 | 0 | 92 | 0 | 92 | 0 | 92 | 92 | 0 | 92 | 92 | 100 | I |
| II | | 0 | | 0 | 0 | 0 | 46 | 92 | 92 | 0 | 92 | 92 | 92 | 92 | 92 | 100 | II |
| III | | 0 | | 0 | 0 | 0 | 0 | 46 | 0 | 92 | 46 | 92 | 92 | 92 | 92 | 100 | III |
| % IV | | 0 | | 0 | 0 | 92 | 0 | 0 | 0 | 92 | 0 | 0 | 92 | 46 | 92 | 100 | IV % |

[1] with additional equipment, over rear, support base 33'9½" x 18'8½"
[2] with additional pulley block, over rear, support base 33'9½" x 28'2¼"

TAB 98075 / 98078

# Lifting capacities at guyed telescopic boom.


117 ft – 197 ft


360°


231 500 lbs

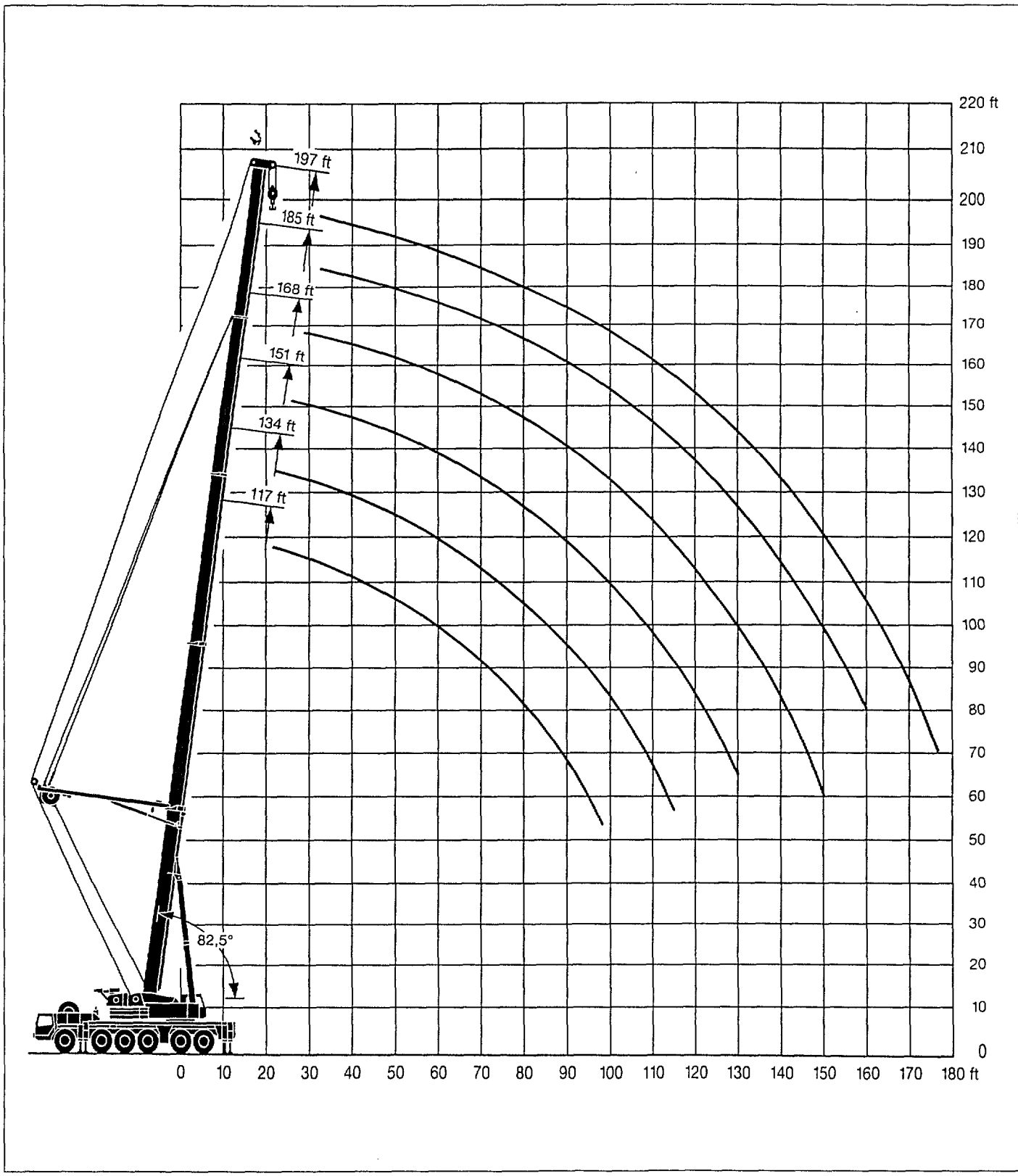
85%

| ft | 117 ft | 134 ft | 151 ft | 168 ft | 185 ft | 197 ft | ft |
|---|---|---|---|---|---|---|---|
| 20 | 149 | | | | | | 20 |
| 22 | 149 | | | | | | 22 |
| 24 | 149 | 114 | | | | | 24 |
| 26 | 149 | 114 | | | | | 26 |
| 28 | 149 | 114 | 87.5 | | | | 28 |
| 30 | 149 | 114 | 87 | 66.5 | | | 30 |
| 32 | 149 | 114 | 86.5 | 66.5 | | | 32 |
| 34 | 146 | 114 | 86 | 66.5 | 49.7 | 41.2 | 34 |
| 36 | 141 | 114 | 85.5 | 66 | 49.7 | 41.2 | 36 |
| 38 | 136 | 114 | 85 | 66 | 49.7 | 41.2 | 38 |
| 40 | 130 | 114 | 84.5 | 65.5 | 49.6 | 41.2 | 40 |
| 45 | 116 | 112 | 83.5 | 64 | 48.4 | 41.2 | 45 |
| 50 | 103 | 104 | 82 | 63 | 47.8 | 41.2 | 50 |
| 55 | 91.5 | 93.5 | 80.5 | 62 | 47.4 | 41 | 55 |
| 60 | 81.5 | 83.5 | 79 | 60.5 | 46.9 | 40.5 | 60 |
| 65 | 73 | 75 | 76 | 59.7 | 46.3 | 40.3 | 65 |
| 70 | 66 | 68 | 69.5 | 58.8 | 45.7 | 40 | 70 |
| 75 | 59.6 | 62 | 63.5 | 58 | 45 | 39.7 | 75 |
| 80 | 54.1 | 56.2 | 58 | 56.9 | 44.4 | 39.4 | 80 |
| 85 | 49.2 | 51.3 | 53.1 | 55 | 43.9 | 39.1 | 85 |
| 90 | 44.7 | 47.1 | 48.9 | 51 | 43.4 | 38.5 | 90 |
| 95 | 40.6 | 43.1 | 44.9 | 47.1 | 43 | 37.8 | 95 |
| 100 | | 39.4 | 41.3 | 43.6 | 42.5 | 37.2 | 100 |
| 105 | | 36 | 37.9 | 40.2 | 41.8 | 36.5 | 105 |
| 110 | | 33 | 34.9 | 37.3 | 38.9 | 35.9 | 110 |
| 115 | | 29.5 | 32.2 | 34.5 | 36.1 | 35.3 | 115 |
| 120 | | | 29.6 | 32 | 33.6 | 34 | 120 |
| 125 | | | 27.3 | 29.6 | 31.3 | 31.7 | 125 |
| 130 | | | 25.1 | 27.5 | 29.1 | 29.6 | 130 |
| 135 | | | | 25.5 | 27.2 | 27.6 | 135 |
| 140 | | | | 23.6 | 25.3 | 25.7 | 140 |
| 145 | | | | 21.6 | 23.6 | 24 | 145 |
| 150 | | | | 18.1 | 22 | 22.4 | 150 |
| 155 | | | | | 20.5 | 20.9 | 155 |
| 160 | | | | | 18.9 | 19.5 | 160 |
| 165 | | | | | | 18.2 | 165 |
| 170 | | | | | | 16.9 | 170 |
| 175 | | | | | | 14.3 | 175 |
| I | 92 | 92 | 92 | 92 | 92 | 100 | I |
| II | 92 | 92 | 92 | 92 | 92 | 100 | II |
| III | 0 | 46 | 92 | 92 | 92 | 100 | III |
| % IV | 0 | 0 | 0 | 46 | 92 | 100 | IV % |

TAB 98264

# Lifting heights.

**Guyed telescopic boom.**



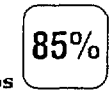
# Lifting capacities at the lattice fly jib.


168 ft – 185 ft


0° / 20°
46 ft – 138 ft


360°


143 300 lbs




| ft | 168 ft | | 185 ft | | | | | | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 46 ft | | 76 ft | | 69 ft | | 92 ft | | 115 ft | | 138 ft | |
| | 0° | 20° | 0° | 20° | 0° | 20° | 0° | 20° | 0° | 20° | 0° | |
| 50 | 32.7 | | 23.4 | | | | | | | | | 50 |
| 55 | 32.7 | | 23.4 | | 17.8 | | | | | | | 55 |
| 60 | 32 | 19.4 | 23.5 | | 17.9 | | 13.8 | | 10.4 | | | 60 |
| 65 | 30.3 | 18.7 | 23.5 | | 18 | | 13.9 | | 10.4 | | | 65 |
| 70 | 28.8 | 18.1 | 23 | 14.8 | 18.1 | | 13.9 | | 10.5 | | 7.7 | 70 |
| 75 | 27.3 | 17.6 | 22.3 | 14.3 | 17.9 | 11.2 | 13.9 | | 10.5 | | 7.7 | 75 |
| 80 | 26 | 17 | 21.5 | 13.8 | 17.3 | 10.7 | 13.8 | | 10.4 | | 7.7 | 80 |
| 85 | 24.8 | 16.5 | 20.7 | 13.4 | 16.7 | 10.3 | 13.3 | | 10.2 | | 7.6 | 85 |
| 90 | 23.7 | 15.9 | 20 | 12.9 | 16.1 | 9.9 | 12.9 | 7.8 | 10 | | 7.4 | 90 |
| 95 | 22.6 | 15.2 | 19.2 | 12.5 | 15.5 | 9.5 | 12.4 | 7.5 | 9.6 | | 7.3 | 95 |
| 100 | 21.6 | 14.6 | 18.5 | 12.2 | 14.9 | 9.2 | 11.9 | 7.2 | 9.3 | 5.7 | 7.1 | 100 |
| 105 | 20.7 | 13.9 | 17.8 | 11.8 | 14.3 | 8.9 | 11.5 | 6.9 | 8.9 | 5.5 | 6.9 | 105 |
| 110 | 19.9 | 13.3 | 17.1 | 11.4 | 13.7 | 8.6 | 11 | 6.6 | 8.6 | 5.3 | 6.6 | 110 |
| 115 | 19.1 | 12.8 | 16.4 | 11 | 13.2 | 8.3 | 10.6 | 6.4 | 8.2 | 5.1 | 6.4 | 115 |
| 120 | 18.4 | 12.3 | 15.8 | 10.6 | 12.6 | 8 | 10.1 | 6.1 | 7.9 | 4.9 | 6.1 | 120 |
| 125 | 17.7 | 11.8 | 15.2 | 10.1 | 12.1 | 7.7 | 9.7 | 5.9 | 7.6 | 4.7 | 5.9 | 125 |
| 130 | 17.1 | 11.3 | 14.6 | 9.8 | 11.6 | 7.5 | 9.3 | 5.7 | 7.3 | 4.5 | 5.6 | 130 |
| 135 | 16.5 | 10.9 | 14 | 9.4 | 11 | 7.3 | 8.8 | 5.5 | 7 | 4.4 | 5.4 | 135 |
| 140 | 15.7 | 10.5 | 13.5 | 9 | 10.6 | 7 | 8.4 | 5.3 | 6.7 | 4.2 | 5.2 | 140 |
| 145 | 14.9 | 10.1 | 12.9 | 8.7 | 10.1 | 6.8 | 8 | 5.1 | 6.5 | 4 | 5 | 145 |
| 150 | 14.1 | 9.8 | 12.5 | 8.4 | 9.7 | 6.7 | 7.7 | 5 | 6.2 | 3.9 | 4.7 | 150 |
| 155 | 13.4 | 9.5 | 12 | 8.1 | 9.3 | 6.5 | 7.3 | 4.8 | 5.9 | 3.8 | 4.5 | 155 |
| 160 | 12.7 | 9.1 | 11.5 | 7.9 | 8.9 | 6.3 | 7 | 4.7 | 5.7 | 3.6 | 4.3 | 160 |
| 165 | 12 | 8.8 | 11.1 | 7.6 | 8.5 | 6.1 | 6.7 | 4.5 | 5.4 | 3.4 | 4.1 | 165 |
| 170 | 11.4 | 8.5 | 10.5 | 7.4 | 8.1 | 6 | 6.4 | 4.4 | 5.2 | 3.3 | 3.9 | 170 |
| 175 | 10.8 | 8.2 | 10 | 7.2 | 7.8 | 5.9 | 6.1 | 4.3 | 5 | 3.3 | 3.7 | 175 |
| 180 | 10.1 | 7.9 | 9.4 | 6.9 | 7.5 | 5.7 | 5.9 | 4.2 | 4.8 | 3.2 | 3.6 | 180 |
| 185 | 9.3 | 7.6 | 9 | 6.7 | 7.2 | 5.4 | 5.6 | 4.1 | 4.6 | 3 | 3.4 | 185 |
| 190 | 8.4 | 7.3 | 8.5 | 6.6 | 7 | 5.3 | 5.4 | 4 | 4.4 | 2.8 | 3.3 | 190 |
| 195 | 6.7 | 6.7 | 8.1 | 6.4 | 6.7 | 5.1 | 5.2 | 3.8 | 4.2 | 2.7 | 3.1 | 195 |
| 200 | | | 7.6 | 6.3 | 6.5 | 5 | 5 | 3.7 | 4 | 2.6 | 3 | 200 |
| 205 | | | 7.1 | 6.1 | 6.3 | 4.8 | 4.8 | 3.6 | 3.8 | | 2.9 | 205 |
| 210 | | | | | 6.1 | 4.7 | 4.6 | 3.5 | 3.7 | | 2.6 | 210 |
| 215 | | | | | 5.9 | 4.5 | 4.4 | 3.4 | 3.5 | | 2.5 | 215 |
| 220 | | | | | 5.6 | 4.4 | 4.3 | 3.3 | 3.3 | | 2.4 | 220 |
| 225 | | | | | 5.2 | 4.3 | 4.2 | 3.2 | 3.3 | | 2.3 | 225 |
| 230 | | | | | | 4.2 | 4.1 | 3.1 | 3.1 | | | 230 |
| 235 | | | | | | 4.1 | 3.8 | 3.1 | 2.9 | | | 235 |
| 240 | | | | | | | 3.7 | 3 | 2.7 | | | 240 |
| 245 | | | | | | | 3.5 | 3 | 2.6 | | | 245 |
| 250 | | | | | | | | 2.9 | 2.3 | | | 250 |
| 255 | | | | | | | | 2.8 | 2.2 | | | 255 |

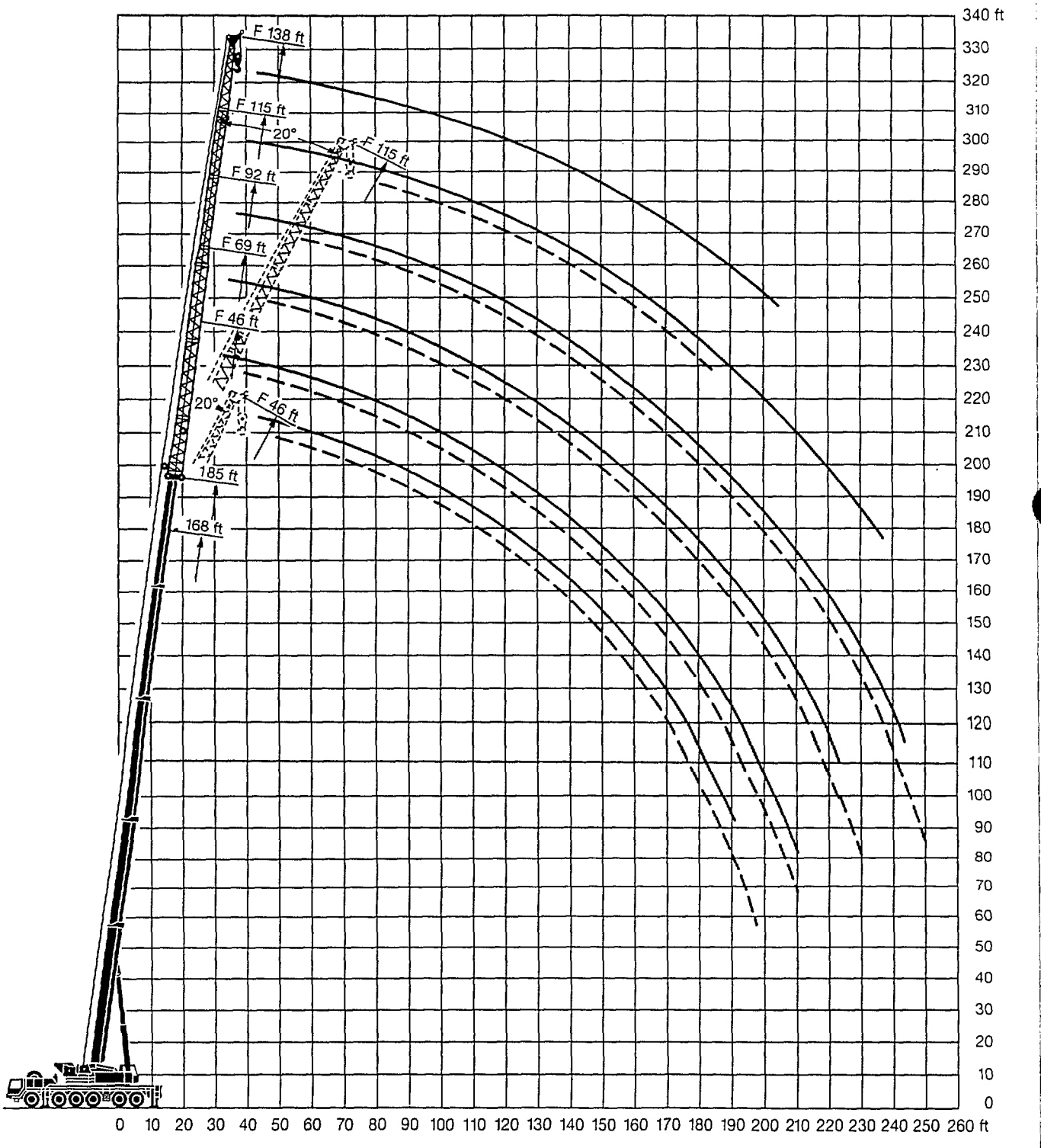
TAB 98079 / 98081

## Remarks referring to load charts.

1. The tabulated lifting capacities do not exceed 85 % of the tipping load.
2. 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.
3. The 85 % overturning limit values take into account wind force 5 = wind speed 20 mph.
4. Lifting capacities are given in kips.
5. The weight of the hook blocks and hooks must be deducted from the lifting capacities.
6. Working radii are measured from the slewing centreline.
7. The lifting capacities given for the telescopic boom only apply if the folding jib is taken off.
8. Lifting capacities are subject to modifications.
9. Lifting capacities above 356 kips only with special equipment.

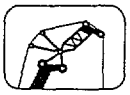
# Lifting heights.

**Lattice fly jib.**



# Lifting capacities at the luffing lattice jib.


82°
50 ft – 84 ft


57 ft – 207 ft


360°

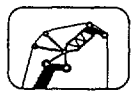

99 200 lbs

85%

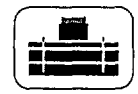
| ft | 50 ft | | | | | | | | 84 ft | | | | | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | |
| 30 | | 114 | | | | | | | | | | | | | | | 30 |
| 32 | | 112 | | | | | | | | | | | | | | | 32 |
| 34 | 109 | 111 | 86 | | | | | | | | | | | | | | 34 |
| 36 | 106 | 109 | 85.5 | | | | | | | | | | | | | | 36 |
| 38 | 104 | 107 | 84.5 | | | | | | | | | | | | | | 38 |
| 40 | 100 | 104 | 84 | 65.5 | | | | | 94 | 83 | 66.5 | | | | | | 40 |
| 45 | 84 | 89.5 | 82 | 64 | | | | | 93 | 82.5 | 66 | | | | | | 45 |
| 50 | 69.5 | 77.5 | 77.5 | 63 | 50.4 | | | | 83.5 | 81.5 | 65.5 | 48.7 | | | | | 50 |
| 55 | 54.6 | 66 | 70.5 | 62 | 49.4 | 39.7 | | | 71.5 | 77 | 64.5 | 48 | 39.5 | | | | 55 |
| 60 | | 56.1 | 62 | 60.5 | 48.5 | 39 | | | 58.6 | 68 | 64 | 47.3 | 39.4 | 29.2 | | | 60 |
| 65 | | 47.4 | 54.9 | 58.5 | 47.5 | 38.4 | | | 46.7 | 57.9 | 63 | 46.5 | 38.9 | 29.2 | | | 65 |
| 70 | | | 48.6 | 53.3 | 46.6 | 37.8 | 30.3 | | | 47.7 | 56.9 | 45.8 | 38.3 | 29 | 23.6 | | 70 |
| 75 | | | 42.6 | 48.3 | 45.6 | 37.1 | 29.8 | 21.8 | | | 50.7 | 45.1 | 37.7 | 28.6 | 23.3 | | 75 |
| 80 | | | 37 | 43.7 | 44.5 | 36.5 | 29.3 | 21.4 | | | 44.9 | 44.3 | 37.2 | 28.3 | 23.1 | 18 | 80 |
| 85 | | | 31.4 | 39.5 | 42.7 | 35.8 | 28.8 | 21.1 | | | 39.2 | 43.6 | 36.6 | 28 | 22.9 | 17.8 | 85 |
| 90 | | | 25.4 | 35.6 | 39.4 | 35.2 | 28.4 | 20.7 | | | 33.9 | 40.3 | 36 | 27.7 | 22.6 | 17.7 | 90 |
| 95 | | | | 31.9 | 36.1 | 34.5 | 27.9 | 20.4 | | | 27.3 | 36.8 | 35.4 | 27.4 | 22.4 | 17.5 | 95 |
| 100 | | | | 28.2 | 33.1 | 33.5 | 27.4 | 20 | | | | 33.3 | 34.8 | 27 | 22.1 | 17.3 | 100 |
| 105 | | | | 24.7 | 30.2 | 31.7 | 26.9 | 19.7 | | | | 29.8 | 33.9 | 26.7 | 21.9 | 17.1 | 105 |
| 110 | | | | 21.5 | 27.5 | 29.4 | 26.4 | 19.4 | | | | 26.7 | 31.3 | 26.4 | 21.7 | 16,9 | 110 |
| 115 | | | | | 24.9 | 27.2 | 26 | 19.1 | | | | 22.6 | 28.7 | 26.1 | 21.4 | 16,7 | 115 |
| 120 | | | | | 22.4 | 25 | 25.3 | 18.8 | | | | | 26.2 | 25,7 | 21.2 | 16.4 | 120 |
| 125 | | | | | 19.9 | 23 | 24.1 | 18.5 | | | | | 23.9 | 25.4 | 21 | 16 | 125 |
| 130 | | | | | 17.9 | 21.2 | 22.5 | 18.1 | | | | | 21.2 | 23.9 | 20.7 | 15.8 | 130 |
| 135 | | | | | 14.8 | 19.3 | 20.9 | 17.7 | | | | | 18.9 | 22.2 | 20.5 | 15.5 | 135 |
| 140 | | | | | | 17.6 | 19.4 | 17.2 | | | | | 15.9 | 20.4 | 20.3 | 15.2 | 140 |
| 145 | | | | | | 15.9 | 17.9 | 16.7 | | | | | | 18.7 | 20 | 15 | 145 |
| 150 | | | | | | 14.6 | 16.4 | 16.3 | | | | | | 16.9 | 19.7 | 14.6 | 150 |
| 155 | | | | | | 12.6 | 15 | 16 | | | | | | 15.3 | 18.4 | 14.4 | 155 |
| 160 | | | | | | | 13.7 | 15.4 | | | | | | 13.2 | 17 | 14.2 | 160 |
| 165 | | | | | | | 12.4 | 14.6 | | | | | | | 15.6 | 14 | 165 |
| 170 | | | | | | | 11.6 | 13.4 | | | | | | | 14.1 | 13.9 | 170 |
| 175 | | | | | | | 10.1 | 12.2 | | | | | | | 13 | 13.7 | 175 |
| 180 | | | | | | | 8.3 | 11.1 | | | | | | | 11.5 | 13.1 | 180 |
| 185 | | | | | | | | 10.1 | | | | | | | 9.5 | 12.1 | 185 |
| 190 | | | | | | | | 8.9 | | | | | | | 7.2 | 10.9 | 190 |
| 195 | | | | | | | | 8 | | | | | | | | 10.2 | 195 |
| 200 | | | | | | | | 6.9 | | | | | | | | 9.1 | 200 |
| 205 | | | | | | | | | | | | | | | | 7.6 | 205 |

TAB 98184.1


82°
117 ft – 168 ft


69 ft – 207 ft


360°


99 200 lbs

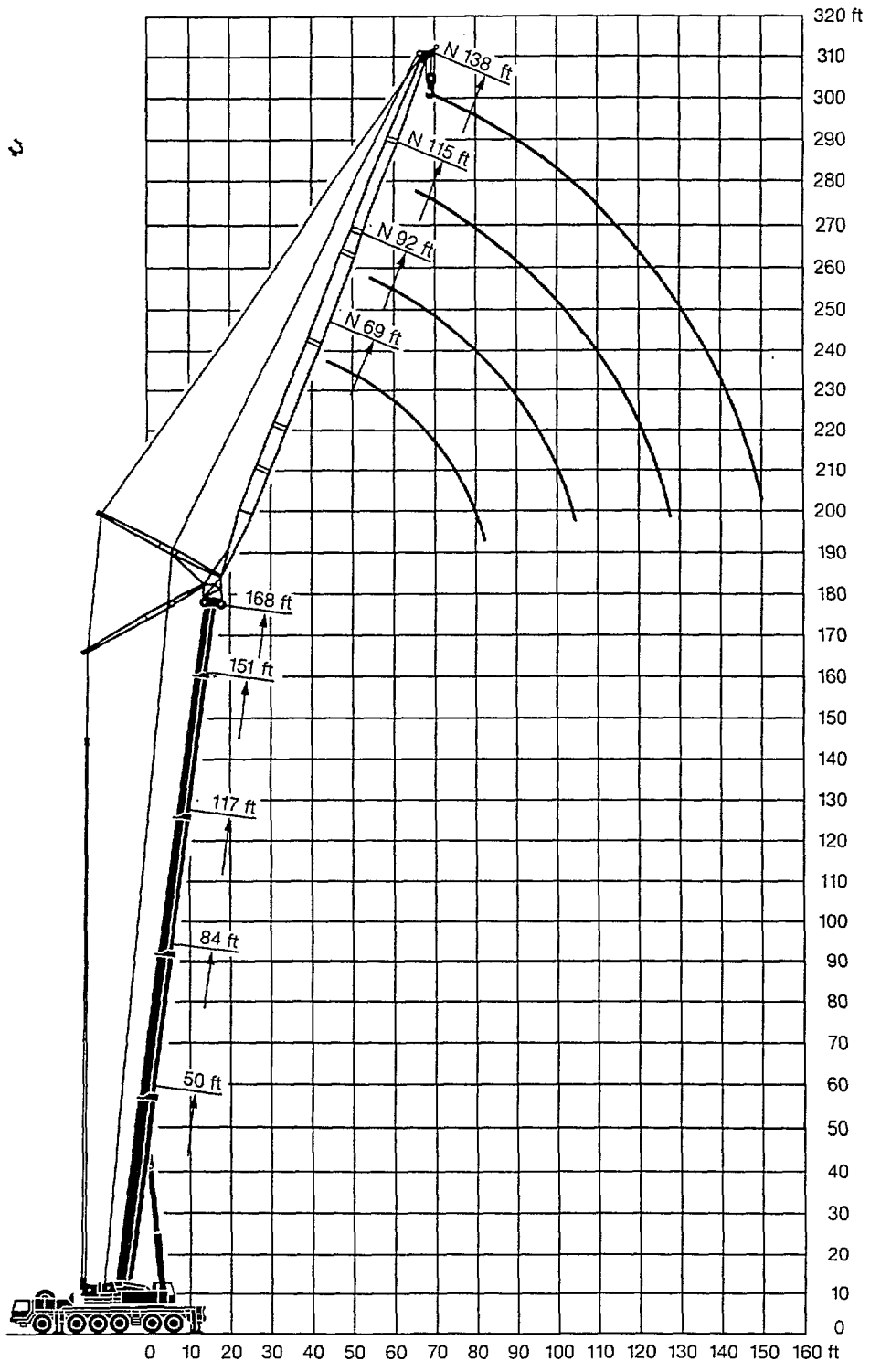
85%

| ft | 117 ft | | | | | | | 151 ft | | | | | | 168 ft | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 69 ft | 92 ft | 115 ft | 138 ft | |
| 50 | 52.4 | 43.3 | | | | | | | | | | | | | | | | 50 |
| 55 | 51.5 | 42.6 | 33.1 | | | | | 30.3 | 24.2 | | | | | 21 | | | | 55 |
| 60 | 50.5 | 41.8 | 32.5 | 26.8 | | | | 29.7 | 23.9 | 17.2 | | | | 20.6 | 15.4 | | | 60 |
| 65 | 49.6 | 41.1 | 31.8 | 26.1 | | | | 29.1 | 23.5 | 17 | | | | 20.2 | 15.1 | | | 65 |
| 70 | 48.6 | 40.4 | 31.3 | 26 | 19.8 | | | 28.5 | 23.1 | 16.8 | 12.8 | | | 19.8 | 14.9 | 10.2 | | 70 |
| 75 | 43.4 | 39.7 | 30.7 | 25.5 | 19.7 | 15.7 | | 27.9 | 22.8 | 16.6 | 12.6 | 9.2 | | 19.4 | 14.6 | 10 | 7.1 | 75 |
| 80 | | 38.9 | 30 | 25.1 | 19.5 | 15.5 | | 27.3 | 22.4 | 16.4 | 12.5 | 9.1 | | 19 | 14.3 | 9.7 | 7 | 80 |
| 85 | | 38.2 | 29.4 | 24.7 | 19.3 | 15.4 | | 26.7 | 22.1 | 16.2 | 12.4 | 8.9 | | 18.6 | 14.1 | 9.5 | 6.9 | 85 |
| 90 | | 37.5 | 29 | 24.3 | 19.2 | 15.3 | 11.4 | | 21.7 | 16 | 12.3 | 8.8 | 6.4 | | 13.8 | 9.3 | 6.8 | 90 |
| 95 | | 33.6 | 28.7 | 23.9 | 19 | 15.1 | 11.3 | | 21.3 | 15.8 | 12.1 | 8.7 | 6.3 | | 13.5 | 9 | 6.7 | 95 |
| 100 | | | 28.4 | 23.5 | 18.8 | 15 | 11.1 | | 21 | 15.5 | 12 | 8.6 | 6.2 | | 13.2 | 8.8 | 6.5 | 100 |
| 105 | | | 28.1 | 23 | 18.7 | 14.8 | 11 | | | 15.3 | 11.9 | 8.5 | 6.1 | | 13 | 8.6 | 6.5 | 105 |
| 110 | | | 27.8 | 22.9 | 18.5 | 14.7 | 10.9 | | | 15.1 | 11.8 | 8.3 | 6.1 | | 12.7 | 8.3 | 6.3 | 110 |
| 115 | | | 26.3 | 22.7 | 18.3 | 14.6 | 10.8 | | | 14.9 | 11.6 | 8.2 | 6 | | | 8.1 | 6.2 | 115 |
| 120 | | | 22.9 | 22.5 | 18.1 | 14.4 | 10.6 | | | 14.7 | 11.5 | 8.1 | 5.9 | | | 7.9 | 6.1 | 120 |
| 125 | | | | 22.3 | 18 | 14.3 | 10.6 | | | 14.5 | 11.4 | 8 | 5.8 | | | 7.7 | 6 | 125 |
| 130 | | | | 22.1 | 17.8 | 14.1 | 10.5 | | | 14.2 | 11.3 | 7.9 | 5.8 | | | 7.4 | 5.9 | 130 |
| 135 | | | | 21.9 | 17.6 | 14 | 10.4 | | | | 11.1 | 7.7 | 5.7 | | | | 5.8 | 135 |
| 140 | | | | 20.2 | 17.5 | 13.9 | 10.4 | | | | 11 | 7.6 | 5.6 | | | | 5.7 | 140 |
| 145 | | | | 16.6 | 17.3 | 13.7 | 10.3 | | | | 10.9 | 7.5 | 5.5 | | | | 5.6 | 145 |
| 150 | | | | 13.9 | 17.1 | 13.6 | 10.2 | | | | 10.7 | 7.4 | 5.4 | | | | 5.5 | 150 |
| 155 | | | | | 16.9 | 13.4 | 10.2 | | | | | 7.3 | 5.4 | | | | 5.4 | 155 |
| 160 | | | | | 16.1 | 13.3 | 10.1 | | | | | 7.1 | 5.3 | | | | | 160 |
| 165 | | | | | 14.1 | 13.1 | 10.1 | | | | | 7 | 5.2 | | | | | 165 |
| 170 | | | | | 10.4 | 13 | 10 | | | | | 6.9 | 5.1 | | | | | 170 |
| 175 | | | | | | 12.9 | 9.9 | | | | | 6.8 | 5.1 | | | | | 175 |
| 180 | | | | | | 12.6 | 9.8 | | | | | | 5 | | | | | 180 |
| 185 | | | | | | 11.8 | 9.8 | | | | | | 4.9 | | | | | 185 |
| 190 | | | | | | 9.6 | 9.7 | | | | | | 4.8 | | | | | 190 |
| 195 | | | | | | 7.9 | 9.6 | | | | | | 4.7 | | | | | 195 |
| 200 | | | | | | | 9.5 | | | | | | | | | | | 200 |
| 205 | | | | | | | 9.1 | | | | | | | | | | | 205 |
| 210 | | | | | | | 7.9 | | | | | | | | | | | 210 |
| 215 | | | | | | | 5.9 | | | | | | | | | | | 215 |

TAB 98184.2/3

# Lifting heights.

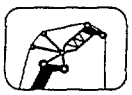
**Luffing lattice jib.**




**Telescopic boom: 82°**

# Lifting capacities at the luffing lattice jib.


75°
50 ft – 84 ft


57 ft – 207 ft


360°

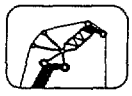

143 300 lbs

85%

| ft | 50 ft | | | | | | | | 84 ft | | | | | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | |
| 50 | 92 | 88 | | | | | | | | | | | | | | | 50 |
| 55 | 79 | 83 | 67 | | | | | | 79 | 70.5 | | | | | | | 55 |
| 60 | 65 | 73.5 | 66 | 50.6 | | | | | 73.5 | 69.5 | 54.9 | | | | | | 60 |
| 65 | 49.5 | 63.5 | 65.5 | 50.4 | | | | | 69 | 67.5 | 54.4 | | | | | | 65 |
| 70 | | 53.6 | 59.9 | 50.1 | | | | | 61.5 | 64 | 53.9 | | | | | | 70 |
| 75 | | | 53.7 | 49.8 | 39.8 | | | | | 59.8 | 53.4 | 40.5 | | | | | 75 |
| 80 | | | 47.7 | 49.1 | 39.5 | 31.4 | | | | 53.4 | 52.9 | 40.1 | 31.8 | | | | 80 |
| 85 | | | 42 | 47.1 | 39.2 | 31.1 | | | | 41.3 | 52.5 | 39.8 | 31.6 | | | | 85 |
| 90 | | | 36.6 | 43.2 | 38.9 | 30.9 | | | | | 48.2 | 39.5 | 31.3 | | | | 90 |
| 95 | | | 31 | 39.2 | 38.6 | 30.6 | 25 | | | | 43.1 | 39.1 | 31.1 | 24.9 | | | 95 |
| 100 | | | | 35.5 | 37.7 | 30.4 | 24.8 | | | | 37.8 | 38.8 | 30.9 | 24.7 | | | 100 |
| 105 | | | | 32 | 35.7 | 30.1 | 24.6 | 19 | | | | 38.5 | 30.6 | 24.5 | 19.5 | | 105 |
| 110 | | | | 28.4 | 33 | 29.9 | 24.3 | 18.8 | | | | 35.7 | 30.5 | 24.4 | 19.4 | | 110 |
| 115 | | | | 24.8 | 30.5 | 29.5 | 24.1 | 18.7 | | | | 32.5 | 30.1 | 24.2 | 19.2 | 15 | 115 |
| 120 | | | | | 27.9 | 28.7 | 23.9 | 18.5 | | | | 29.1 | 29.6 | 24 | 19.1 | 14.8 | 120 |
| 125 | | | | | 25.4 | 27.2 | 23.6 | 18.4 | | | | 25.5 | 29.2 | 24 | 19 | 14.7 | 125 |
| 130 | | | | | 22.9 | 25.4 | 23.4 | 18.2 | | | | 20.4 | 28.1 | 23.7 | 18.9 | 14.6 | 130 |
| 135 | | | | | 20.4 | 23.5 | 23.1 | 17.9 | | | | | 26 | 23.4 | 18.8 | 14.5 | 135 |
| 140 | | | | | 17.8 | 21.7 | 22.4 | 17.7 | | | | | 23.7 | 23.1 | 18.6 | 14.4 | 140 |
| 145 | | | | | | 19.9 | 21 | 17.5 | | | | | 21.3 | 22.7 | 18.4 | 14.3 | 145 |
| 150 | | | | | | 18.2 | 19.7 | 17.3 | | | | | 18.8 | 22 | 18.1 | 14.2 | 150 |
| 155 | | | | | | 16.4 | 18.3 | 17.1 | | | | | | 20.5 | 17.8 | 14.1 | 155 |
| 160 | | | | | | 14.7 | 17 | 16.9 | | | | | | 18.8 | 17.6 | 13.9 | 160 |
| 165 | | | | | | | 15.6 | 16.7 | | | | | | 17 | 17.3 | 13.6 | 165 |
| 170 | | | | | | | 14.3 | 16.2 | | | | | | 15 | 17 | 13.5 | 170 |
| 175 | | | | | | | 12.9 | 15.1 | | | | | | 12.4 | 16.7 | 13.3 | 175 |
| 180 | | | | | | | 11.5 | 13.9 | | | | | | | 15.8 | 13.1 | 180 |
| 185 | | | | | | | 10 | 12.8 | | | | | | | 14.4 | 12.9 | 185 |
| 190 | | | | | | | 8.7 | 11.7 | | | | | | | 12.9 | 12.6 | 190 |
| 195 | | | | | | | | 10.6 | | | | | | | 11.5 | 12.5 | 195 |
| 200 | | | | | | | | 9.4 | | | | | | | | 12.1 | 200 |
| 205 | | | | | | | | 8.3 | | | | | | | | 11.3 | 205 |
| 210 | | | | | | | | 7.3 | | | | | | | | 10.1 | 210 |
| 215 | | | | | | | | 5.9 | | | | | | | | 9.3 | 215 |
| 220 | | | | | | | | | | | | | | | | 7.5 | 220 |

TAB 98185.1


75°
117 ft – 168 ft


69 ft – 207 ft


360°


143 300 lbs

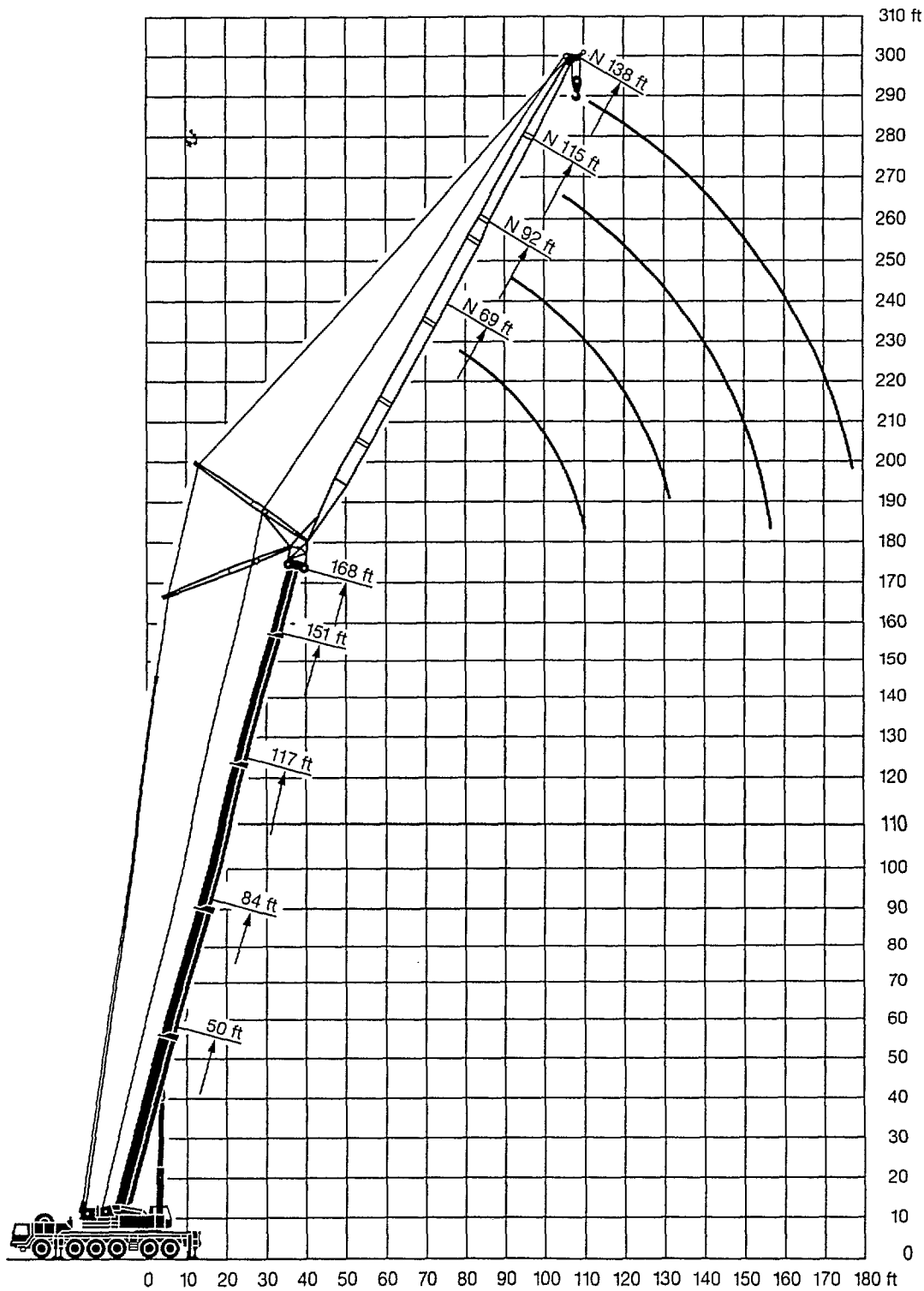
85%

| ft | 117 ft | | | | | | | 151 ft | | | | | | 168 ft | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 69 ft | 92 ft | 115 ft | 138 ft | |
| 70 | 43.7 | | | | | | | | | | | | | | | | | 70 |
| 75 | 43.5 | 35.9 | | | | | | 24.3 | | | | | | | | | | 75 |
| 80 | 43.3 | 35.8 | | | | | | 24.2 | | | | | | 17.3 | | | | 80 |
| 85 | 43.1 | 35.6 | | | | | | 24.1 | | | | | | 16.8 | | | | 85 |
| 90 | 40.6 | 35.5 | 27.9 | | | | | 23.3 | 18.8 | | | | | 16.4 | | | | 90 |
| 95 | | 35.3 | 27.8 | 22.6 | | | | 22.6 | 18.7 | | | | | 15.9 | 12.1 | | | 95 |
| 100 | | 34.7 | 27.7 | 22.6 | | | | 21.8 | 18.6 | 13.9 | | | | 15.5 | 11.7 | | | 100 |
| 105 | | 33.2 | 27.5 | 22.5 | 18.1 | | | | 18.5 | 13.8 | 10.5 | | | 15 | 11.3 | 7.7 | | 105 |
| 110 | | 31.6 | 27.4 | 22.4 | 18 | | | | 17.9 | 13.8 | 10.5 | | | 14.5 | 11 | 7.6 | | 110 |
| 115 | | 29.6 | 27.3 | 22.4 | 18 | 13.9 | | | 17.2 | 13.7 | 10.4 | | | | 10.6 | 7.4 | 5.6 | 115 |
| 120 | | | 26.8 | 22.3 | 17.9 | 13.9 | | | 16.6 | 13.6 | 10.4 | 7.5 | | | 10.3 | 7.2 | 5.6 | 120 |
| 125 | | | 25.9 | 22.2 | 17.9 | 13.8 | 10.4 | | 16 | 13.6 | 10.4 | 7.4 | 5.4 | | 9.9 | 7.1 | 5.6 | 125 |
| 130 | | | 24.9 | 22.1 | 17.9 | 13.8 | 10.4 | | 15.4 | 13.5 | 10.3 | 7.4 | 5.3 | | 9.5 | 6.9 | 5.6 | 130 |
| 135 | | | 23.6 | 21.8 | 17.8 | 13.7 | 10.4 | | | 13 | 10.3 | 7.4 | 5.3 | | | 6.7 | 5.5 | 135 |
| 140 | | | | 21.4 | 17.7 | 13.7 | 10.3 | | | 12.4 | 10.2 | 7.3 | 5.3 | | | 6.5 | 5.5 | 140 |
| 145 | | | | 21 | 17.5 | 13.6 | 10.3 | | | 11.8 | 10.1 | 7.3 | 5.3 | | | 6.4 | 5.5 | 145 |
| 150 | | | | 20.3 | 17.3 | 13.6 | 10.2 | | | 11.1 | 9.7 | 7.3 | 5.3 | | | 6.2 | 5.3 | 150 |
| 155 | | | | 19.5 | 17.1 | 13.3 | 10.2 | | | | 9 | 7.3 | 5.3 | | | 6.1 | 5.1 | 155 |
| 160 | | | | 18.2 | 16.8 | 13 | 10.2 | | | | 8.2 | 7.1 | 5.2 | | | | 4.9 | 160 |
| 165 | | | | | 16.3 | 12.6 | 10.1 | | | | 7.4 | 6.9 | 5.2 | | | | 4.8 | 165 |
| 170 | | | | | 15.8 | 12.4 | 9.9 | | | | 6.7 | 6.7 | 5.2 | | | | 4.6 | 170 |
| 175 | | | | | 15.3 | 12.1 | 9.8 | | | | 5.9 | 6.5 | 5 | | | | 4.4 | 175 |
| 180 | | | | | 14.6 | 11.8 | 9.6 | | | | | 6.2 | 4.8 | | | | | 180 |
| 185 | | | | | | 11.5 | 9.4 | | | | | 5.9 | 4.6 | | | | | 185 |
| 190 | | | | | | 11.3 | 9.3 | | | | | 5.6 | 4.4 | | | | | 190 |
| 195 | | | | | | 11 | 9.1 | | | | | 5.3 | 4.2 | | | | | 195 |
| 200 | | | | | | 10.7 | 8.9 | | | | | | 4 | | | | | 200 |
| 205 | | | | | | 10.2 | 8.7 | | | | | | 3.8 | | | | | 205 |
| 210 | | | | | | | 8.6 | | | | | | 3.5 | | | | | 210 |
| 215 | | | | | | | 8.4 | | | | | | 3.2 | | | | | 215 |
| 220 | | | | | | | 8.1 | | | | | | 2.9 | | | | | 220 |
| 225 | | | | | | | 7.8 | | | | | | | | | | | 225 |

TAB 98185.2/3

# Lifting heights.

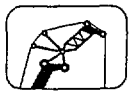
**Luffing lattice jib.**



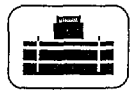

**Telescopic boom: 75°**

# Lifting capacities at the luffing lattice jib.


68°
50 ft – 84 ft


57 ft – 207 ft


360°

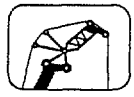

143 300 lbs

85%

| ft | 50 ft | | | | | | | | 84 ft | | | | | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 57 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | |
| 55 | 87.5 | | | | | | | | | | | | | | | | 55 |
| 60 | 81 | 80.5 | | | | | | | | | | | | | | | 60 |
| 65 | 73 | 75.5 | | | | | | | | | | | | | | | 65 |
| 70 | 57.5 | 68.5 | | | | | | | 59 | | | | | | | | 70 |
| 75 | | 60 | 61.5 | | | | | | 55.6 | 55.2 | | | | | | | 75 |
| 80 | | | 57.4 | 48.3 | | | | | 53 | 52 | | | | | | | 80 |
| 85 | | | 51.7 | 48.3 | | | | | 51.7 | 49.3 | | | | | | | 85 |
| 90 | | | 46.3 | 47.5 | | | | | | 47.1 | 45.9 | | | | | | 90 |
| 95 | | | 41.1 | 45.2 | 37.5 | | | | | | 43.6 | | | | | | 95 |
| 100 | | | 35.5 | 41.9 | 37.2 | | | | | | 41.5 | 39.4 | | | | | 100 |
| 105 | | | | 38.4 | 36.4 | 29.5 | | | | | 39.7 | 38.4 | 30.8 | | | | 105 |
| 110 | | | | 35 | 35.8 | 29.5 | | | | | 38.3 | 36.7 | 30.8 | | | | 110 |
| 115 | | | | 31.6 | 34.4 | 29.1 | | | | | 34.3 | 35.1 | 30.4 | | | | 115 |
| 120 | | | | 28.1 | 32.4 | 28.5 | 23.7 | | | | | 33.7 | 29.8 | 24 | | | 120 |
| 125 | | | | | 30.1 | 28.1 | 23.4 | | | | | 32.3 | 29.2 | 24 | | | 125 |
| 130 | | | | | 27.7 | 27.7 | 23.1 | | | | | 31 | 28.6 | 23.5 | | | 130 |
| 135 | | | | | 25.3 | 26.6 | 22.7 | 17.7 | | | | 27.9 | 28 | 23.1 | 19.1 | | 135 |
| 140 | | | | | 23 | 25.1 | 22.4 | 17.4 | | | | | 27.2 | 22.8 | 18.9 | | 140 |
| 145 | | | | | 20.5 | 23.4 | 22.1 | 17.1 | | | | | 26.1 | 22.5 | 18.6 | 14.3 | 145 |
| 150 | | | | | 17.3 | 21.7 | 21.8 | 16.9 | | | | | 25 | 22.1 | 18.3 | 14.3 | 150 |
| 155 | | | | | | 20 | 20.9 | 16.7 | | | | | 23 | 21.8 | 18 | 14.1 | 155 |
| 160 | | | | | | 18.3 | 19.7 | 16.5 | | | | | 20.4 | 21.4 | 17.7 | 13.8 | 160 |
| 165 | | | | | | 16.6 | 18.5 | 16.4 | | | | | | 21 | 17.4 | 13.6 | 165 |
| 170 | | | | | | 14.6 | 17.1 | 16.2 | | | | | | 20.1 | 17.1 | 13.3 | 170 |
| 175 | | | | | | | 15.9 | 16 | | | | | | 18.6 | 16.7 | 13 | 175 |
| 180 | | | | | | | 14.7 | 15.7 | | | | | | 16.7 | 16.4 | 12.7 | 180 |
| 185 | | | | | | | 13.3 | 15.2 | | | | | | | 16.1 | 12.5 | 185 |
| 190 | | | | | | | 12 | 14.2 | | | | | | | 15.8 | 12.2 | 190 |
| 195 | | | | | | | 10.5 | 13.2 | | | | | | | 15.4 | 11.9 | 195 |
| 200 | | | | | | | | 12.2 | | | | | | | 14.4 | 11.7 | 200 |
| 205 | | | | | | | | 11.1 | | | | | | | 12.9 | 11.4 | 205 |
| 210 | | | | | | | | 9.9 | | | | | | | | 11.1 | 210 |
| 215 | | | | | | | | 8.6 | | | | | | | | 10.8 | 215 |
| 220 | | | | | | | | 7.2 | | | | | | | | 10.6 | 220 |
| 225 | | | | | | | | | | | | | | | | 10 | 225 |
| 230 | | | | | | | | | | | | | | | | 9 | 230 |
| 235 | | | | | | | | | | | | | | | | 7.6 | 235 |

TAB 98187.1


68°
117 ft – 168 ft


69 ft – 207 ft


360°


143 300 lbs

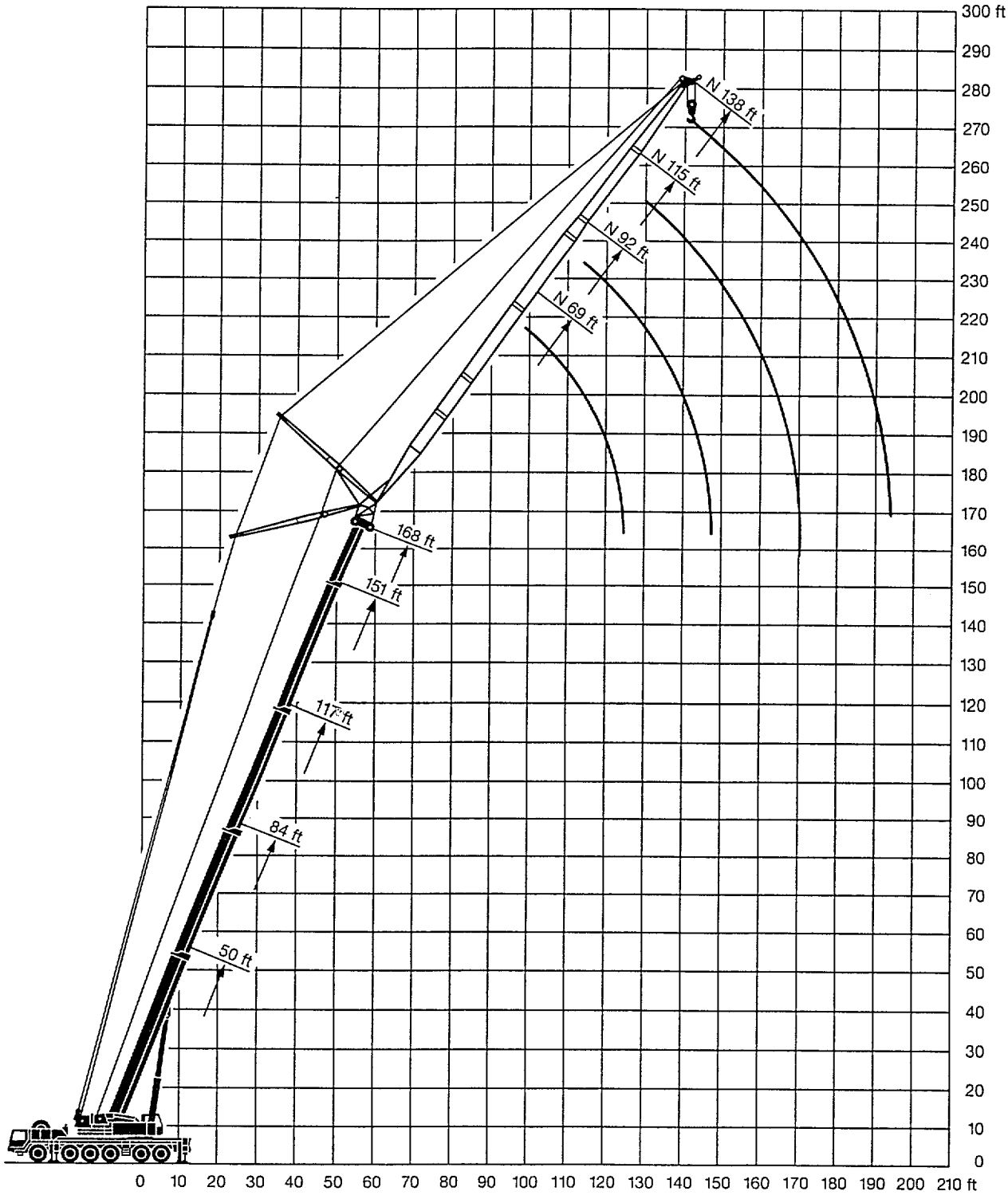
85%

| ft | 117 ft | | | | | | | 151 ft | | | | | | 168 ft | | | | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 207 ft | 69 ft | 92 ft | 115 ft | 138 ft | 161 ft | 184 ft | 69 ft | 92 ft | 115 ft | 138 ft | |
| 90 | 38.8 | | | | | | | | | | | | | | | | | 90 |
| 95 | 36.2 | | | | | | | | | | | | | | | | | 95 |
| 100 | 33.6 | 33.2 | | | | | | | | | | | | | | | | 100 |
| 105 | 31 | 31.6 | | | | | | 22 | | | | | | | | | | 105 |
| 110 | 28.5 | 30 | | | | | | 20.8 | | | | | | | | | | 110 |
| 115 | | 28.4 | 27.1 | | | | | 19.6 | | | | | | 15 | | | | 115 |
| 120 | | 26.9 | 26.5 | | | | | 18.4 | 17.2 | | | | | 14.2 | | | | 120 |
| 125 | | 25.3 | 24.8 | 22.3 | | | | | 16.3 | | | | | 13.5 | 11.4 | | | 125 |
| 130 | | 23.7 | 23.3 | 22.3 | | | | | 15.4 | | | | | 12.7 | 10.9 | | | 130 |
| 135 | | | 21.9 | 21.8 | | | | | 14.6 | 13.2 | | | | | 10.4 | | | 135 |
| 140 | | | 20.6 | 21.2 | 17.7 | | | | 13.9 | 12.5 | | | | | 10 | 7.6 | | 140 |
| 145 | | | 19.5 | 20.4 | 17.4 | | | | 13.1 | 11.8 | 10.2 | | | | 9.5 | 7.3 | | 145 |
| 150 | | | 18.6 | 19.5 | 17.1 | | | | 12.5 | 11.1 | 9.3 | | | | 9 | 7 | | 150 |
| 155 | | | 17.9 | 18.6 | 16.8 | 13.4 | | | | 10.6 | 8.6 | 7.4 | | | 8.5 | 6.7 | 5.4 | 155 |
| 160 | | | | 17.7 | 16.2 | 12.9 | | | | 10 | 7.9 | 7.2 | | | | 6.4 | 5.2 | 160 |
| 165 | | | | 16.9 | 15.4 | 12.4 | 10.1 | | | 9.6 | 7.2 | 6.8 | 5.5 | | | 6.1 | 5 | 165 |
| 170 | | | | 16 | 14.6 | 11.9 | 9.9 | | | 9.2 | 6.6 | 6.4 | 5.5 | | | 5.8 | 4.8 | 170 |
| 175 | | | | 15.1 | 13.8 | 11.5 | 9.6 | | | | 6.2 | 6.1 | 5.2 | | | 5.5 | 4.5 | 175 |
| 180 | | | | | 13.1 | 11 | 9.4 | | | | 5.8 | 5.8 | 4.8 | | | | 4.3 | 180 |
| 185 | | | | | 12.5 | 10.6 | 9.1 | | | | 5.5 | 5.5 | 4.5 | | | | 4.1 | 185 |
| 190 | | | | | 12 | 10.2 | 8.9 | | | | 5.3 | 5.2 | 4.1 | | | | 3.9 | 190 |
| 195 | | | | | 11.6 | 9.8 | 8.6 | | | | 5.2 | 4.9 | 3.8 | | | | 3.7 | 195 |
| 200 | | | | | 11.3 | 9.4 | 8.3 | | | | | 4.7 | 3.5 | | | | 3.4 | 200 |
| 205 | | | | | | 9 | 8 | | | | | 4.5 | 3.2 | | | | | 205 |
| 210 | | | | | | 8.7 | 7.7 | | | | | 4.4 | 2.9 | | | | | 210 |
| 215 | | | | | | 8.4 | 7.4 | | | | | 4.3 | 2.7 | | | | | 215 |
| 220 | | | | | | 8.2 | 7.1 | | | | | | 2.4 | | | | | 220 |
| 225 | | | | | | | 6.9 | | | | | | | | | | | 225 |
| 230 | | | | | | | 6.6 | | | | | | | | | | | 230 |
| 235 | | | | | | | 6.3 | | | | | | | | | | | 235 |
| 240 | | | | | | | 6 | | | | | | | | | | | 240 |
| 245 | | | | | | | 5.7 | | | | | | | | | | | 245 |

TAB 98187.2/3

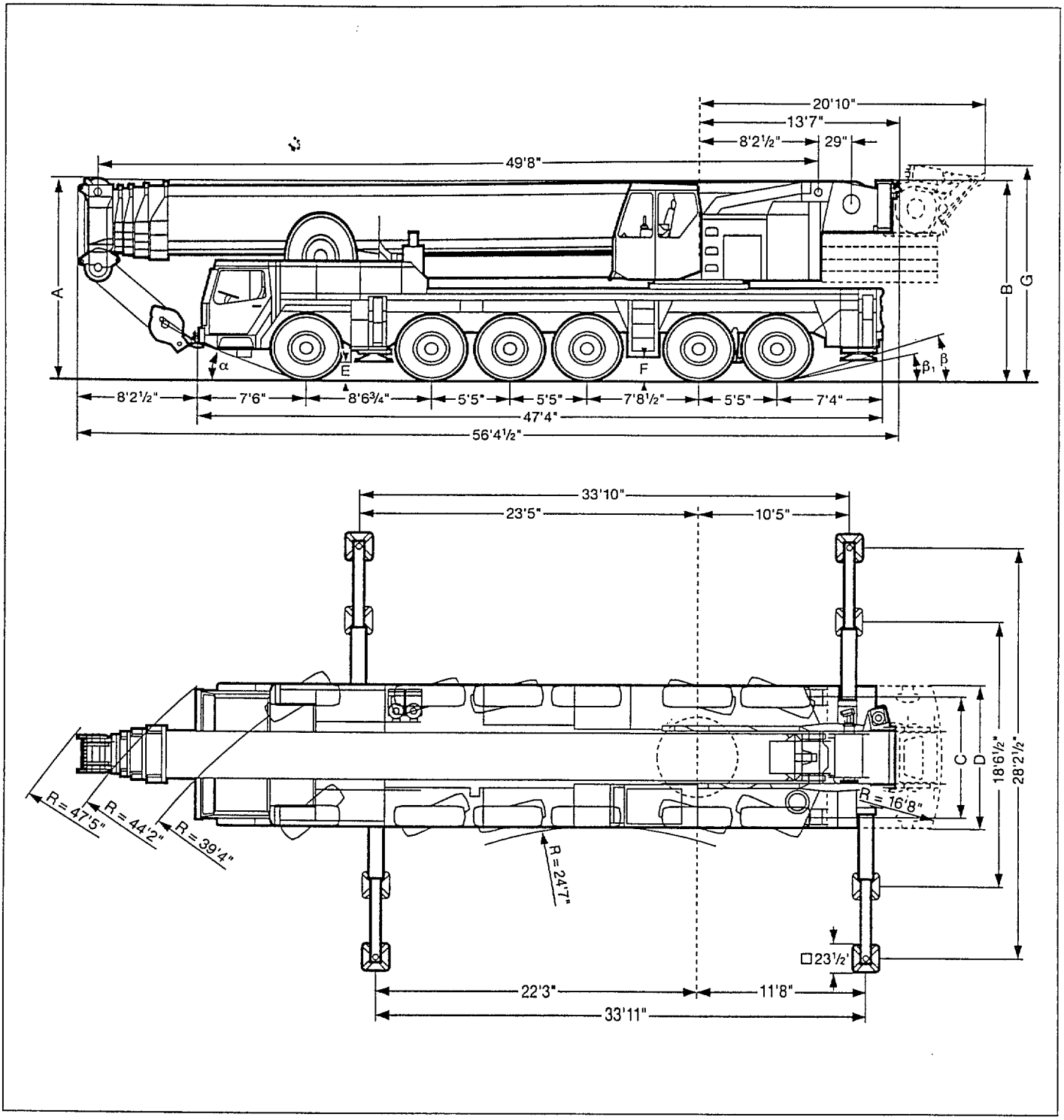
# Lifting heights.

**Luffing lattice jib.**




**Telescopic boom: 68°**

# Dimensions.




| | Dimensions | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | A | A 6 "* | B | C | D | E | F | α | β | $\beta_1$ |
| 16.00 R 25 | 13'½" | 12'7½" | 13'1¼" | 8'4²⁄₃" | 9'10" | 14¾" | 18½" | 22° | 18° | 14° |

* lowered

# Weights.

| Axle | 1 | 2 | 3 | 4 | 5 | 6 | Total weight |
|---|---|---|---|---|---|---|---|
| lbs | 26 500 | 26 500 | 26 500 | 26 500 | 26 500 | 26 500 | 159 000 |

| Load (kips)[1)] | No. of sheaves | No. of lines | Weight lbs |
|---|---|---|---|
| 495 | 12 | 24 | 5950 |
| 370 | 9 | 17 | 5290 |
| 300 | 7 | 15 | 3240 |
| 220 | 5 | 10 | 2755 |
| 150 | 3 | 7 | 2095 |
| 66 | 1 | 3 | 1675 |
| 22 | – | 1 | 860 |

# Working speeds.

| | 1 | 2 | 3 | 4 | 5 | R | |
|---|---|---|---|---|---|---|---|
| km/h | 9.3 | 14.9 | 23 | 34.1 | 47.2 | 8.7 | – |
| km/h | 5 | 8.7 | 13.7 | 19.9 | 27.3 | 4.7 | 40 % |
| | 16.00 R 25 | | | | | | |

| Drive | infinitely variable | Rope diameter / Rope length | Max. single line pull |
|---|---|---|---|
| 1 | 0 – 460 ft/min single line | 11/12" / 1312' | 11 220 lbs |
| 2 | 0 – 460 ft/min single line | 11/12" / 1148' | 11 220 lbs |
| 360° | 0 – 1.6 rpm | | |
| | approx. 70 seconds to reach 83° boom angle | | |
| | approx. 450 seconds for boom extension from 50 ft – 197 ft | | |

# Crane carrier.

| | |
|---|---|
| Frame: | Liebherr designed and manufactured, box type, torsion resistant, all-welded construction made of high-tensile structural steel. |
| Outriggers: | 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. |
| Engine: | Diesel, 8 cylinder, watercooled, make Liebherr, type D 9408 TI-E, output 400 kW DIN (544 HP) at 2100 rpm, max. torque 1643 lbs-ft at 1200 rpm.<br>Fuel tank capacity: 132 gallons. |
| Transmission: | Allison, type CLBT 755, automatic transmission with torque converter and hydrodynamic retarder brake. 5 forward speeds, 1 reverse. Transfer case with differential and off-road range. |
| Axles: | Heavy duty crane truck axles, all 6 axles sprung. Axles 1 to 3, 5 and 6 steered. Axles 1, 5 and 6 are planetary axles, intermediate differential at axle 5, all driven axles with transverse differential. |
| Cardan shafts: | All cardan shafts with 70° diagonal toothing. |
| Suspension: | All axles with hydropneumatic suspension and automatic levelling. Load equalization between axle pairs 1 + 2, 3 + 4 and 5 + 6. Axles can be locked hydraulically. |
| Tyres: | 12 tyres, all axles with single tyres. Tyre size: 16.00 R 25. |
| Steering: | ZF semi-integral power steering, dual circuit system, with hydraulic servo system and auxiliary pump circuit. |
| Brakes: | Service brake: Servo-air brakes acting on all wheels, dual circuit system.<br>Hand brake: Spring loaded, acting on all wheels of axles 2 to 6. |
| Operator's cab: | Spacious cab of galvanized sheet steel on resilient mountings, safety glass windows, standardized controls and instruments. |
| Electrical system: | 24 V DC, 2 batteries, lighting according to countries' regulations. |

# Crane superstructure.

| | |
|---|---|
| Frame: | Liebherr-made torsion resistant, welded construction of high-tensile steel. Linked to crane carrier by a triple roller slewing ring for 360° continuous rotation. |
| Crane engine: | Diesel, 6 cylinder, watercooled, make Liebherr, type D 926 T-E, output 170 kW DIN (231 HP) at 1800 rpm, max. torque 751 lbs-ft at 1200 rpm.<br>Fuel tank capacity: 66 gallons. |
| Crane drive: | Diesel-hydraulic, with 3 axial piston swivelling pumps with servo control and automatic output regulation. |
| Crane control: | By 2 self-centering control levers (joy-sticks). |
| Hoist gear: | Axial piston variable displacement motor. Hoist drum with integrated planetary gear and spring-loaded static brake. |
| Luffing gear: | 1 differential hydraulic ram with nonreturn valve. |
| Slewing gear: | Hydraulic motor, planetary gear, slewing pinion and spring loaded brake. |
| Crane cab: | Galvanized all-steel construction, safety glazing, operator's seat with comfortable armrest integrated control elements, standardized controls and instruments. |
| Safety devices: | LICCON safe load indicator, hoist limit switch, safety valves against rupture of pipes and hoses. |
| Telescopic boom: | 1 base section and 4 telescopic sections. Individual hydraulic extension of all sections. Telescoping ram with boom section interlocking device and display of the extended conditions.<br>Boom length: 50 ft – 197 ft. |
| Central lubricating system: | Roller bearing slewing race, boom bearing, luffing ram bearings and winch bearings are lubricated automatically. |
| Electrical system: | 24 V DC, 2 batteries. |

# Complementary equipment.

| | |
|---|---|
| Lattice jibs: | Fly jib 46 ft – 138 ft, luffing jib 69 ft – 207 ft. |
| 2nd hoist gear: | For 2-hook operation or luffing of lattice jib. |
| Drive 12 × 8: | Axle 2 additionally driven. |

Further equipment available on request.