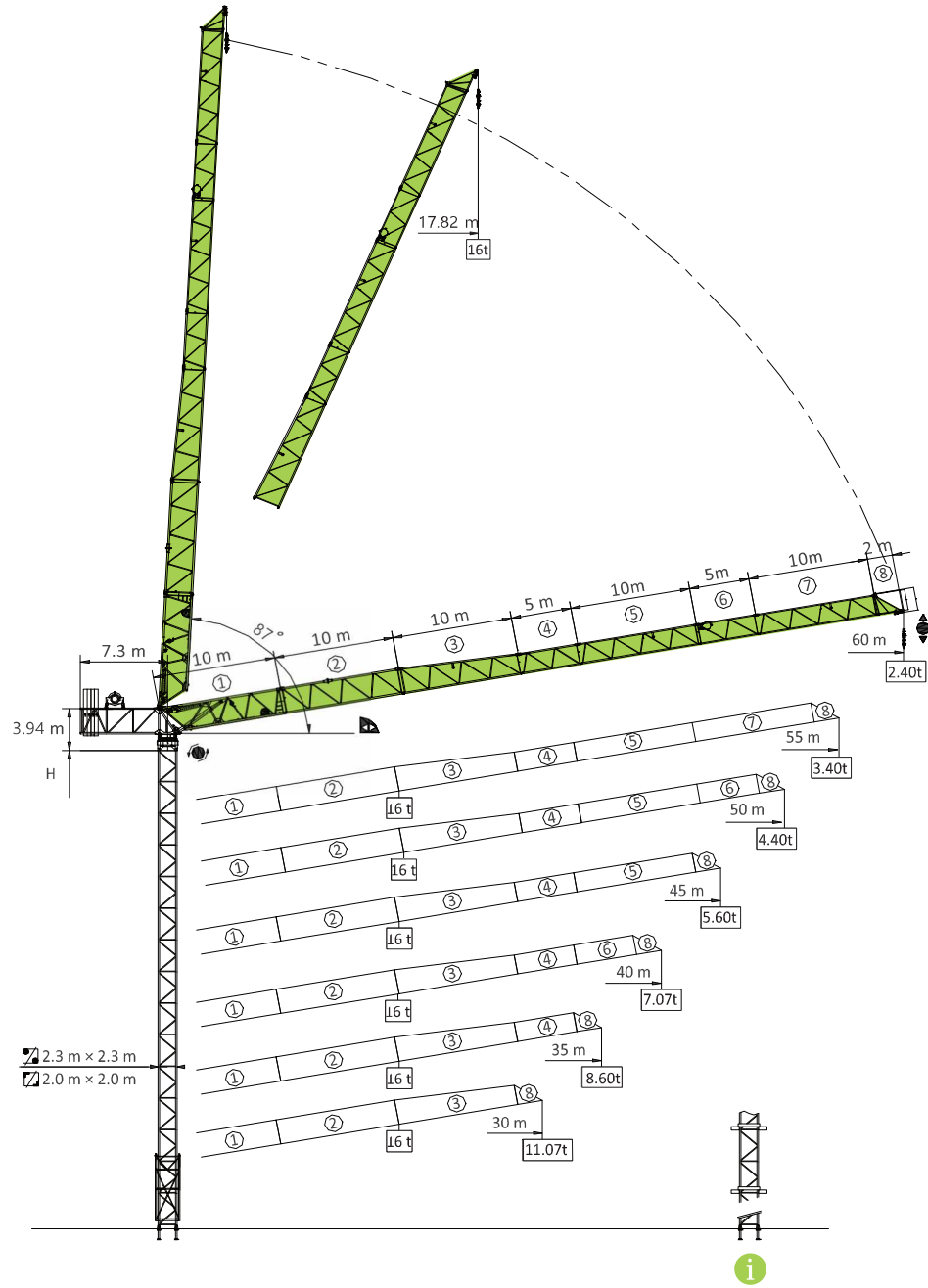


# RL250-16

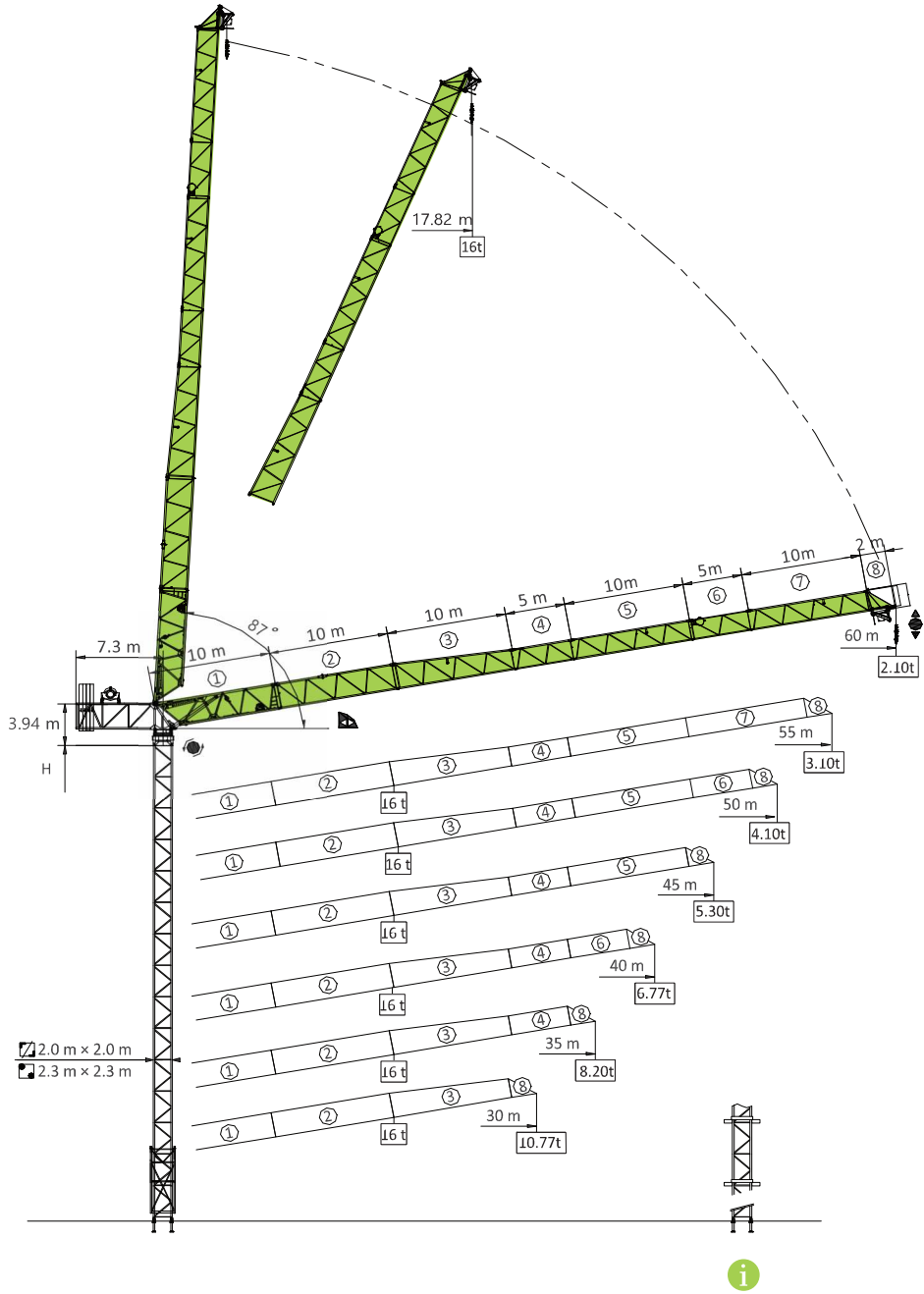
EN 14439 C25 / Luffing mode (excl. trolley)



Topless hydraulic luffing jib crane

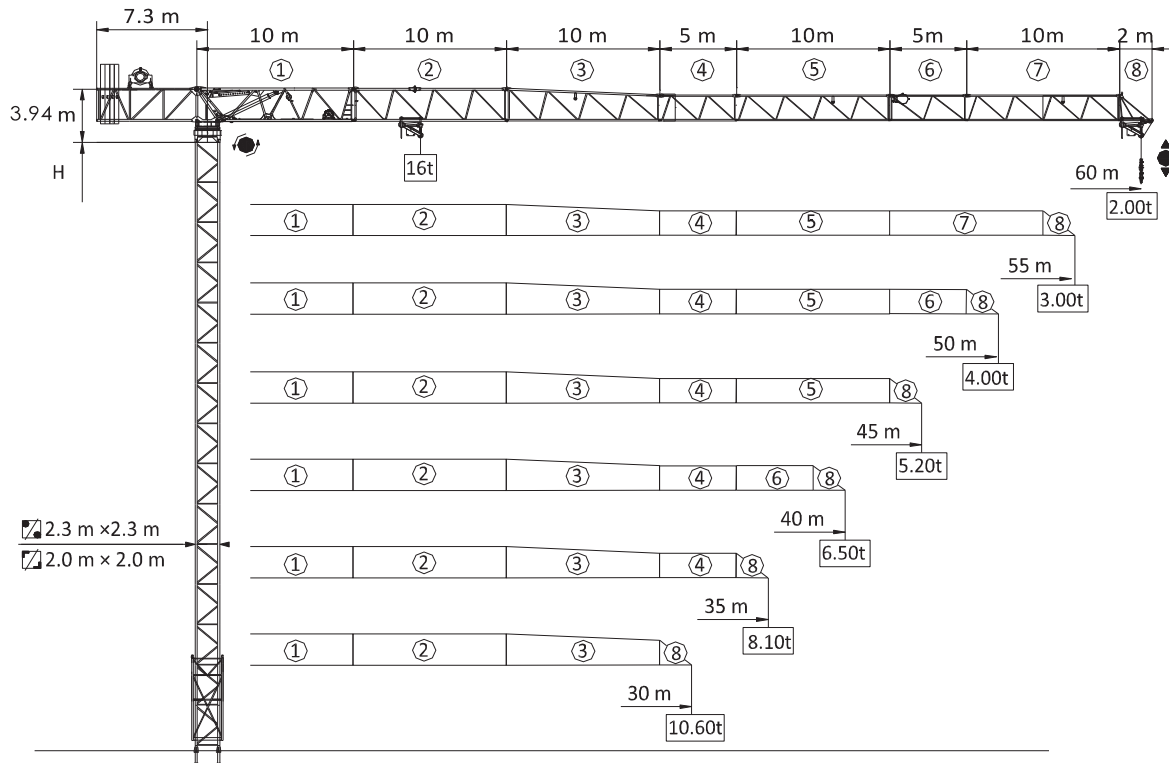
# RL250-16

EN 14439 C25 / Luffing mode (incl. trolley)



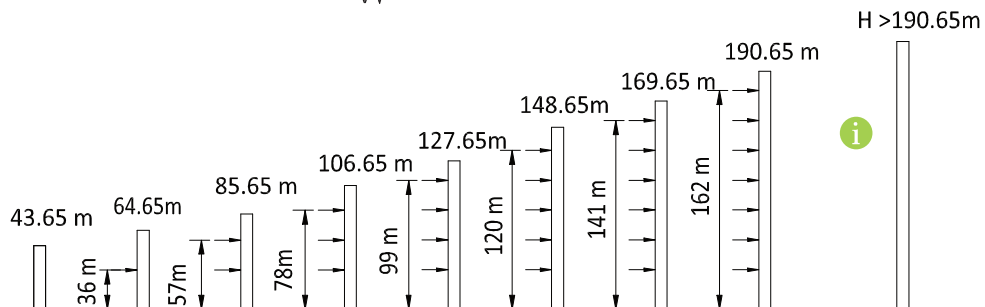
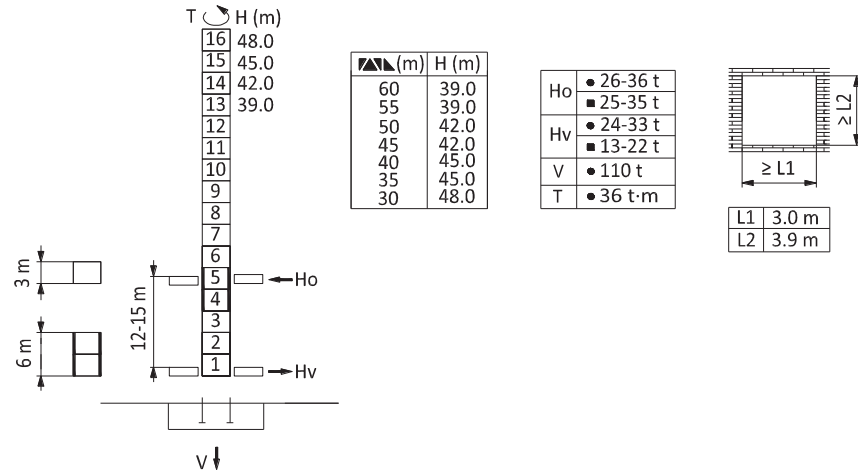
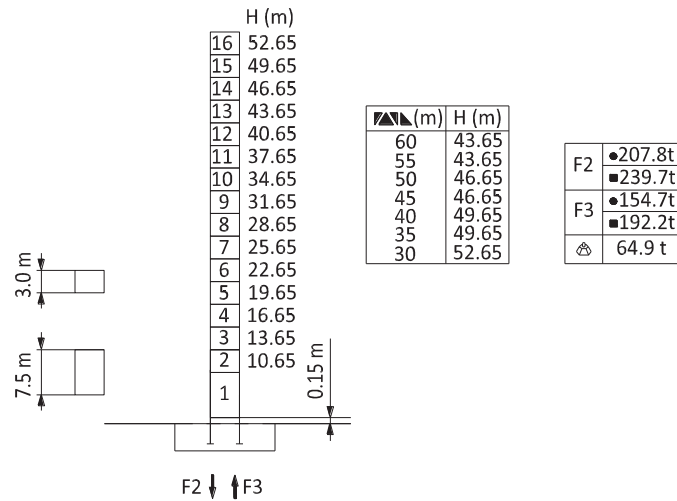
Topless hydraulic luffing jib crane

Trolleying mode



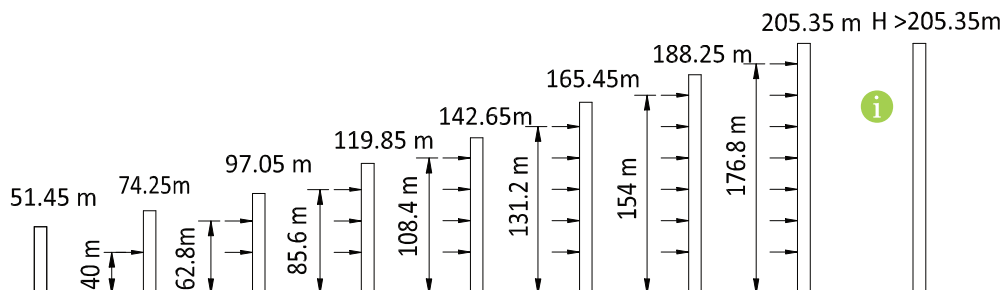
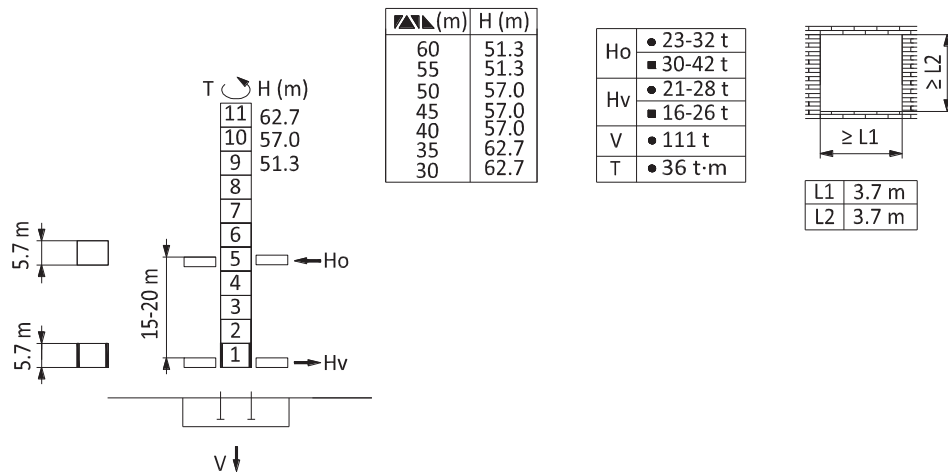
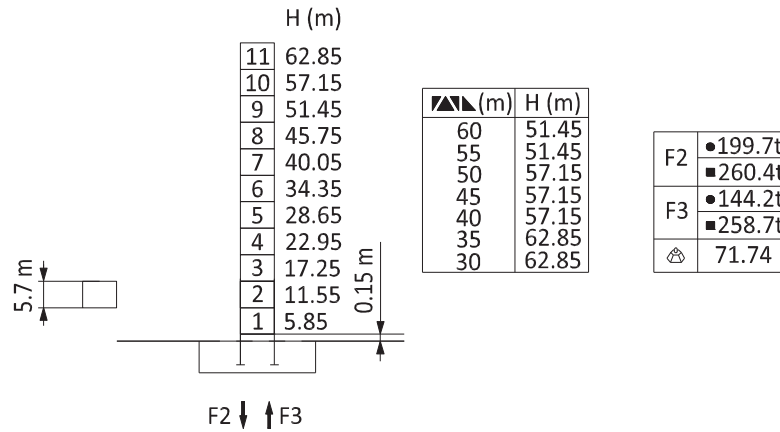
Mast – Reactions & Anchorages / Mast – Fundament Ecklasten & Verankerungen

2.0m – L69 RL250-16T

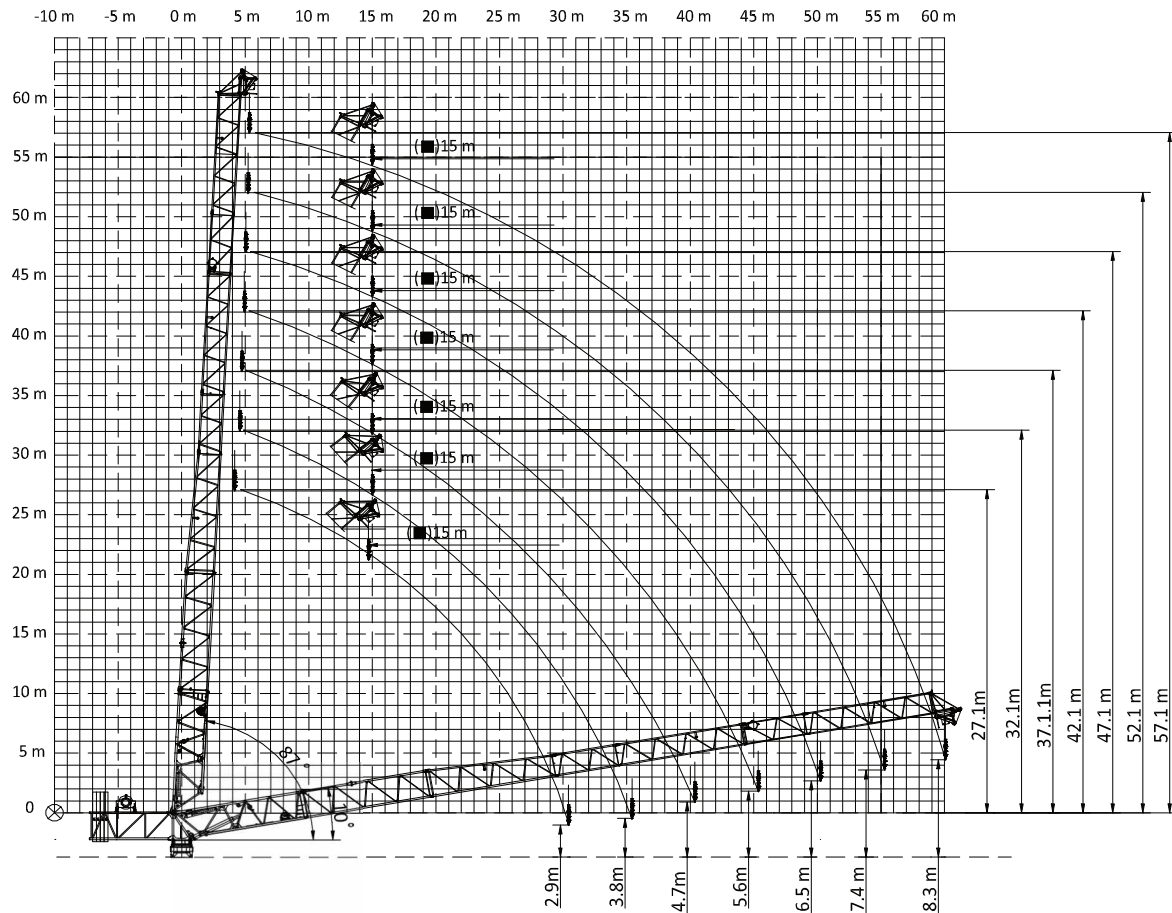


# Mast – Reactions & Anchorages / Mast – Fundament Ecklasten & Verankerungen

2.3m – RB RL250-16RB



Luffing jib / Ausleger in Steilstellung



# Load diagrams – Luffing mode (excl. trolley)

|    | ▲▲▲▲ m | m / t           | 12,5 | 15,0 | 17,5 | 20,0 | 22,5 | 25,0  | 27,5  | 30,0  | 32,5 | 35,0 | 37,5 | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 |
|----|--------|-----------------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60 |        | 5.25-49.31/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 3,78 | 3,59 | 3,14 | 2,69 | 2,40 |
|    |        | 5.25-34.97/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 | 7,98 | 7,19 | 6,39 | 5,69 | 4,91 | 4,36 | 4,10 | 3,59 | 3,14 | 2,69 | 2,40 |
|    |        | 5.25-25.78/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 11,4  | 9,98  | 8,83 | 7,92 | 7,08 | 6,20 | 5,51 | 4,82 | 4,26 | 3,78 | 3,33 | 2,93 | 2,60 | 2,31 |
|    |        | 5.25-17.82/16.0 | 16,0 | 16,0 | 16,0 | 15,1 | 13,9 | 12,8  | 11,51 | 10,26 | 8,80 | 7,87 | 6,98 | 6,15 | 5,41 | 4,79 | 4,20 | 3,71 | 3,29 | 2,87 | 2,52 | 2,26 |
| 55 |        | 4.99-50.61/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 3,75 | 3,40 |      |      |
|    |        | 4.99-35.35/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 | 8,00 | 6,86 | 6,12 | 5,82 | 5,17 | 4,60 | 4,17 | 3,75 | 3,40 |      |      |
|    |        | 4.99-25.57/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 11,0  | 9,75  | 8,78 | 7,95 | 7,10 | 6,31 | 5,67 | 5,01 | 4,48 | 4,08 | 3,66 | 3,33 |      |      |
|    |        | 4.99-20.22/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 14,5 | 13,0  | 11,6  | 10,5  | 9,17 | 8,13 | 6,19 | 6,13 | 5,84 | 4,99 | 4,39 | 3,99 | 3,64 | 3,27 |      |      |
| 50 |        | 4.73-50.00/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 |      |      |      |      |
|    |        | 4.73-35.63/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 | 8,00 | 7,33 | 6,52 | 5,97 | 5,42 | 4,89 | 4,40 |      |      |      |      |
|    |        | 4.73-27.31/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 11,7  | 10,1  | 9,15 | 8,20 | 7,42 | 6,62 | 5,92 | 5,32 | 4,79 | 4,32 |      |      |      |      |
|    |        | 4.73-21.86/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 15,1 | 13,35 | 11,9  | 10,7  | 9,26 | 8,19 | 7,35 | 6,50 | 5,88 | 5,25 | 4,74 | 4,28 |      |      |      |      |
| 45 |        | 4.46-45.00/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 |      |      |      |      |      |
|    |        | 4.46-36.48/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 | 8,00 | 7,75 | 6,90 | 6,25 | 5,60 |      |      |      |      |      |      |
|    |        | 4.46-28.08/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 12,0  | 10,9  | 9,62 | 8,69 | 7,70 | 6,88 | 6,19 | 5,53 |      |      |      |      |      |      |
|    |        | 4.46-22.75/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 13,9  | 12,3  | 10,8  | 9,7  | 8,64 | 7,66 | 6,80 | 6,17 | 5,50 |      |      |      |      |      |      |
| 40 |        | 4.20-40.00/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 | 4,00 | 4,00 | 4,00 |      |      |      |      |      |      |      |      |
|    |        | 4.20-36.96/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 | 7,79 | 7,87 | 7,07 |      |      |      |      |      |      |      |      |
|    |        | 4.20-28.10/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 12,0  | 10,9  | 9,72 | 8,66 | 7,79 | 7,00 |      |      |      |      |      |      |      |      |
|    |        | 4.20-22.80/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 13,9  | 12,3  | 10,7  | 9,66 | 8,60 | 7,73 | 6,93 |      |      |      |      |      |      |      |      |
| 35 |        | 3.94-35.00/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  | 4,00  | 4,00 |      |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.94-30.54/8.00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  | 8,00  | 8,00 |      |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.94-28.10/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 12,0  | 11,0  | 9,73 | 8,60 |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.94-22.80/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 14,0  | 12,3  | 10,9  | 9,61 | 8,53 |      |      |      |      |      |      |      |      |      |      |
| 30 |        | 3.67-30.00/4.00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00  | 4,00  |       |      |      |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.67-30.0/8.00  | 8,00 | 8,00 | 8,00 | 8,00 | 8,00 | 8,00  | 8,00  |       |      |      |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.67-28.50/12.0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0 | 12,0  | 12,0  | 11,07 |      |      |      |      |      |      |      |      |      |      |      |      |
|    |        | 3.67-22.97/16.0 | 16,0 | 16,0 | 16,0 | 16,0 | 16,0 | 14,4  | 12,6  | 11,00 |      |      |      |      |      |      |      |      |      |      |      |      |

Load diagrams – Luffing mode (incl. trolley)

60 – 60

| ▲▲▲▲ m |                                                                                   | m / t            | 12,5 | 15,0 | 17,5 | 20,0 | 22,5 | 25,0 | 27,5  | 30,0  | 32,5 | 35,0 | 37,5 | 40,0 | 42,5 | 45,0 | 47,5 | 50,0 | 52,5 | 55,0 | 57,5 | 60,0 |
|--------|-----------------------------------------------------------------------------------|------------------|------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60     |  | 5.25-34.10/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 7.80 | 6.89 | 5.95 | 5.29 | 4.72 | 4.14 | 3.60 | 3.19 | 2.74 | 2.38 | 2.10 |
|        |  | 5.25-17.02/16.0  | 16.0 | 16.0 | 16.0 | 15.1 | 13.7 | 12.4 | 10.89 | 9.48  | 8.29 | 7.27 | 6.39 | 5.62 | 4.95 | 4.35 | 3.82 | 3.34 | 2.91 | 2.52 | 2.21 | 1.96 |
| 55     |  | 4.99-34.59/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 7.82 | 7.05 | 5.97 | 5.35 | 4.73 | 4.23 | 3.80 | 3.43 | 3.10 |      |      |
|        |  | 4.99-19.31/16.0  | 16.0 | 16.0 | 16.0 | 15.9 | 14.3 | 12.5 | 11.29 | 9.69  | 8.51 | 7.49 | 6.61 | 5.83 | 5.15 | 4.54 | 4.05 | 3.63 | 3.27 | 2.96 |      |      |
| 50     |  | 4.73-34.99/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 8.00 | 7.13 | 6.32 | 5.62 | 5.05 | 4.55 | 4.10 |      |      |      |      |
|        |  | 4.73-21.05/16.0  | 16.0 | 16.0 | 16.0 | 16.0 | 15.2 | 13.1 | 11.10 | 9.75  | 8.61 | 7.63 | 6.79 | 6.07 | 5.43 | 4.87 | 4.38 | 3.98 |      |      |      |      |
| 45     |  | 4.46-35.99/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 8.00 | 7.50 | 6.60 | 5.93 | 5.30 |      |      |      |      |      |      |
|        |  | 4.46-22.05/16.0  | 16.0 | 16.0 | 16.0 | 16.0 | 15.7 | 13.4 | 11.67 | 10.31 | 9.11 | 8.08 | 7.19 | 6.43 | 5.76 | 5.20 |      |      |      |      |      |      |
| 40     |  | 4.20-36.00 /8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 8.00 | 7.57 | 6.77 |      |      |      |      |      |      |      |      |
|        |  | 4.20-21.70/16.0  | 16.0 | 16.0 | 16.0 | 16.0 | 15.7 | 13.7 | 11.8  | 10.49 | 9.21 | 8.27 | 7.41 | 6.60 |      |      |      |      |      |      |      |      |
| 35     |  | 3.94-35.00/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00 | 8.00 |      |      |      |      |      |      |      |      |      |      |
|        |  | 3.94-22.34/16.0  | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 13.7 | 11.85 | 10.64 | 9.31 | 8.20 |      |      |      |      |      |      |      |      |      |      |
| 30     |  | 3.67-30.00/8.00  | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  |      |      |      |      |      |      |      |      |      |      |      |      |
|        |  | 3.67-22.61/16.0  | 16.0 | 16.0 | 16.0 | 16.0 | 16.0 | 14.1 | 12.3  | 10.70 |      |      |      |      |      |      |      |      |      |      |      |      |

Load diagrams – Trolleying mode / Lastkurven

60 – 60

| ▲▲▲▲ m |    | m / t         | 12.5 | 15.0 | 17.5 | 20.0  | 22.5  | 25.0  | 27.5  | 30.0  | 32.5 | 35.0 | 37.5 | 40.0 | 42.5 | 45.0 | 47.5 | 50.0 | 52.5 | 55.0 | 57.5 | 60.0 |
|--------|----|---------------|------|------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 60     | ☐☐ | 3.5-21.3/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 7.47  | 6.57  | 5.88  | 5.27  | 4.76 | 4.32 | 3.95 | 3.62 | 3.33 | 3.07 | 2.85 | 2.64 | 2.46 | 2.29 | 2.14 | 2.00 |
|        | ☐☐ | 3.5-11.9/16.0 | 15.1 | 12.1 | 10.0 | 8.54  | 7.39  | 6.51  | 5.77  | 5.16  | 4.64 | 4.21 | 3.83 | 3.50 | 3.22 | 2.96 | 2.73 | 2.53 | 2.34 | 2.18 | 2.02 | 1.89 |
| 55     | ☐☐ | 3.5-25.5/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00  | 7.30  | 6.57  | 5.98 | 5.45 | 5.00 | 4.60 | 4.25 | 3.95 | 3.67 | 3.42 | 3.20 | 3.00 |      |      |
|        | ☐☐ | 3.5-14.1/16.0 | 16.0 | 14.9 | 12.4 | 10.61 | 9.21  | 8.11  | 7.22  | 6.48  | 5.86 | 5.34 | 4.88 | 4.49 | 4.14 | 3.83 | 3.56 | 3.31 | 3.09 | 2.89 |      |      |
| 50     | ☐☐ | 3.5-28.6/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00  | 8.00  | 7.55  | 6.86 | 6.27 | 5.77 | 5.33 | 4.93 | 4.59 | 4.28 | 4.00 |      |      |      |      |
|        | ☐☐ | 3.5-15.7/16.0 | 16.0 | 16.0 | 14.1 | 12.1  | 10.53 | 9.29  | 8.29  | 7.46  | 6.76 | 6.17 | 5.66 | 5.21 | 4.82 | 4.47 | 4.16 | 3.89 |      |      |      |      |
| 45     | ☐☐ | 3.5-31.5/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00  | 8.00  | 8.00  | 7.72 | 7.07 | 6.50 | 6.01 | 5.58 | 5.20 |      |      |      |      |      |      |
|        | ☐☐ | 3.5-17.3/16.0 | 16.0 | 16.0 | 15.8 | 13.5  | 11.80 | 10.42 | 9.31  | 8.39  | 7.62 | 6.96 | 6.40 | 5.90 | 5.47 | 5.09 |      |      |      |      |      |      |
| 40     | ☐☐ | 3.5-31.5/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00  | 8.00  | 8.00  | 7.70 | 7.05 | 6.49 | 6.00 |      |      |      |      |      |      |      |      |
|        | ☐☐ | 3.5-18.6/16.0 | 16.0 | 16.0 | 16.0 | 14.7  | 12.8  | 11.40 | 10.19 | 9.20  | 8.36 | 7.65 | 7.03 | 6.50 |      |      |      |      |      |      |      |      |
| 35     | ☐☐ | 3.5-27.6/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 8.00  | 8.00  | 7.24  | 6.57 | 6.00 |      |      |      |      |      |      |      |      |      |      |
|        | ☐☐ | 3.5-19.6/16.0 | 16.0 | 16.0 | 16.0 | 15.5  | 13.6  | 12.0  | 10.77 | 9.73  | 8.85 | 8.10 |      |      |      |      |      |      |      |      |      |      |
| 30     | ☐☐ | 3.5-23.7/8.00 | 8.00 | 8.00 | 8.00 | 8.00  | 8.00  | 7.50  | 6.68  | 6.00  |      |      |      |      |      |      |      |      |      |      |      |      |
|        | ☐☐ | 3.5-21.0/16.0 | 16.0 | 16.0 | 16.0 | 16.0  | 14.8  | 13.1  | 11.73 | 10.60 |      |      |      |      |      |      |      |      |      |      |      |      |

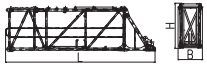
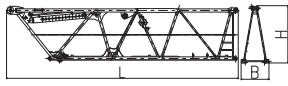
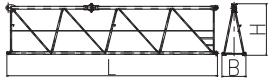
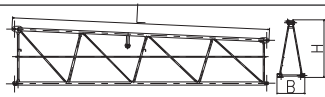
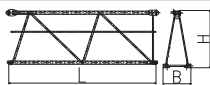
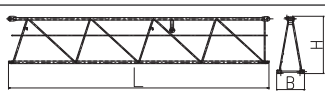
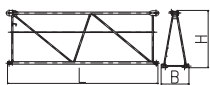
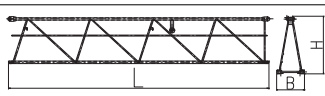
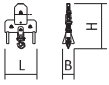
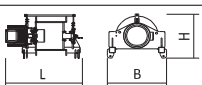
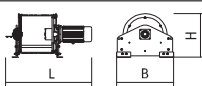
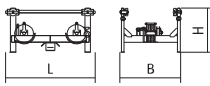
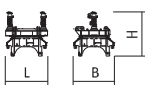
# Mechanisms / Antriebe

| 380 V (± 10 %) 50 Hz |                                                   |       |                 |     |    |    |    |    |    |    |    | kW    |       |
|----------------------|---------------------------------------------------|-------|-----------------|-----|----|----|----|----|----|----|----|-------|-------|
|                      | H55FC40-880-b                                     | t     | 1               | 2   | 4  | 2  | 4  | 8  | 4  | 8  | 16 | 55    | 880 m |
|                      |                                                   | m/min | 168             | 136 | 68 | 84 | 68 | 34 | 42 | 34 | 17 |       |       |
|                      | S75CA-130,146LB14/12A<br>S75CA-130,146LB14/12A(M) | r/min | 0-0.8           |     |    |    |    |    |    |    |    | 2×7.5 |       |
|                      | T55FC70-b(D)                                      | m/min | 0-75            |     |    |    |    |    |    |    |    | 5.5   |       |
|                      | YG350/290                                         | min   | 2.0 (10° - 87°) |     |    |    |    |    |    |    |    | 37    |       |
|                      |                                                   |       | 102.5 kW        |     |    |    |    |    |    |    |    |       |       |

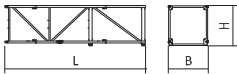
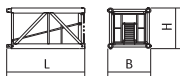
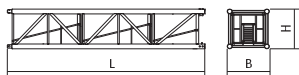
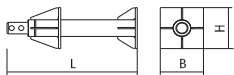
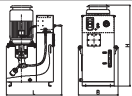
# Counter-jib ballast / Gegenauslegerballast / 平衡重

| m    | 6.5t | 4.0t | (t) | PHZ6500  | PHZ4000  |
|------|------|------|-----|----------|----------|
| 60.0 | 4    | 1    | 30  | <br>(mm) | <br>(mm) |
| 55.0 | 4    | 1    | 30  |          |          |
| 50.0 | 4    | 1    | 30  |          |          |
| 45.0 | 4    | 1    | 30  |          |          |
| 40.0 | 4    | 1    | 30  |          |          |
| 35.0 | 4    | 1    | 30  |          |          |
| 30.0 | 4    | 1    | 30  |          |          |

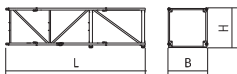
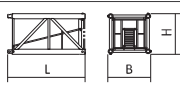
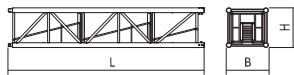
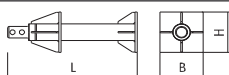
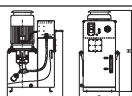
## Dimensions and weight / Abmessungen und Gewicht

| Slewing crane part / Drehender Kranteil |                                                                                                   | L (m) | B (m) | H (m) | kg (±5%) |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|-------|-------|-------|----------|
| Counter-jib<br>Gegenausleger            |                  | 8.47  | 1.62  | 2.55  | 7100     |
| Jib section<br>Auslegerelement          |  ①               | 10.78 | 1.48  | 2.55  | 8265     |
|                                         |  ②               | 10.24 | 1.4   | 2.55  | 2460     |
|                                         |  ③               | 10.24 | 1.4   | 2.46  | 2047     |
|                                         |  ④               | 5.24  | 1.4   | 1.92  | 844      |
|                                         |  ⑤               | 10.22 | 1.4   | 1.91  | 1450     |
|                                         |  ⑥              | 5.18  | 1.4   | 1.86  | 556      |
|                                         |  ⑦             | 10.18 | 1.4   | 1.85  | 905      |
|                                         |  ⑧             | 2.55  | 1.4   | 2.12  | 284      |
| Pulley block<br>Hakenflasche            |                | 1.28  | 0.4   | 1.81  | 390      |
| Cabin<br>Kabine                         |                | 2.16  | 1.79  | 2.26  | 480      |
| Hoisting mechanism<br>Hubwerk           |  H55FC40-880-b | 2.93  | 1.52  | 1.14  | 3674     |
| Trolleying mechanism<br>Katzfahrwerk    |  T55FC70-b(D)  | 1.16  | 0.73  | 0.60  | 292      |
| Trolley<br>Laufkatze                    |                | 1.95  | 1.59  | 1.53  | 380      |
| Slewing mast<br>Drehelement             |                | 2.74  | 2.68  | 2.04  | 8130     |

# Dimensions and weight / Abmessungen und Gewicht

| Crane tower / Kranturm –L48                |                                                                                   |                                                                                   |                 | L (m) | B (m) | H (m) | kg (±5%) |
|--------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|-------|-------|-------|----------|
| Climbing tower section<br>Kletterturmstück |  |  | 2.0m            | 7.45  | 2.76  | 2.54  | 5211     |
| Tower section<br>Turmstück                 |  |  | 2.0 m – L69B5   | 3.31  | 2.1   | 2.0   | 1930     |
|                                            |  |  | 2.0 m – L69G20B | 7.81  | 2.1   | 2.0   | 5104     |
| Fixing angles<br>Fundamentanker            |  |                                                                                   |                 | 1.19  | 0.45  | 0.45  | 4×199    |
| Pump                                       |  |                                                                                   |                 | 0.78  | 0.60  | 1.15  | 225      |

Dimensions and weight / Abmessungen und Gewicht

| Crane tower / Kranturm –L48                |                                                                                                                                                                                  | L (m) | B (m) | H (m) | kg (±5%) |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|----------|
| Climbing tower section<br>Kletterturmstück |   2.3m         | 11.6  | 2.85  | 2.88  | 6420     |
| Tower section<br>Turmstück                 |   2.30 m - RB  | 5.91  | 2.30  | 2.30  | 3160     |
|                                            |   2.30 m - RBJ | 5.91  | 2.30  | 2.30  | 3390     |
| Fixing angles<br>Fundamentanker            |                                                                                                 | 1.72  | 0.55  | 0.55  | 4×310    |
| Pump                                       |                                                                                                 | 0.78  | 0.60  | 1.15  | 225      |