

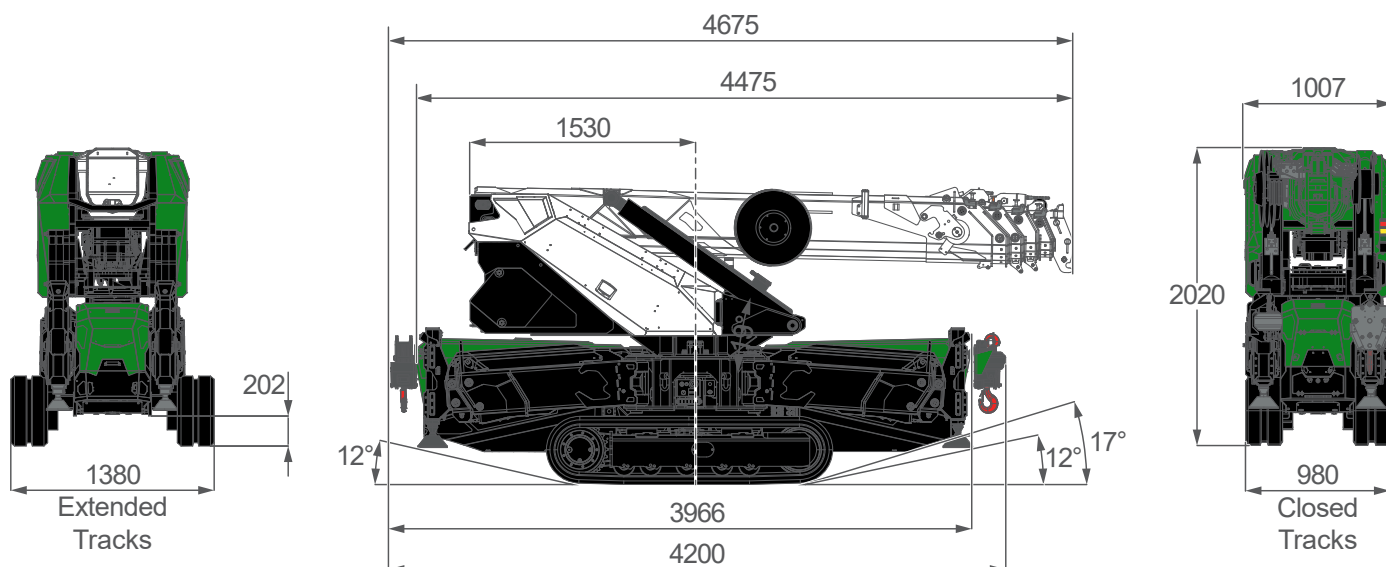


# Technical Data

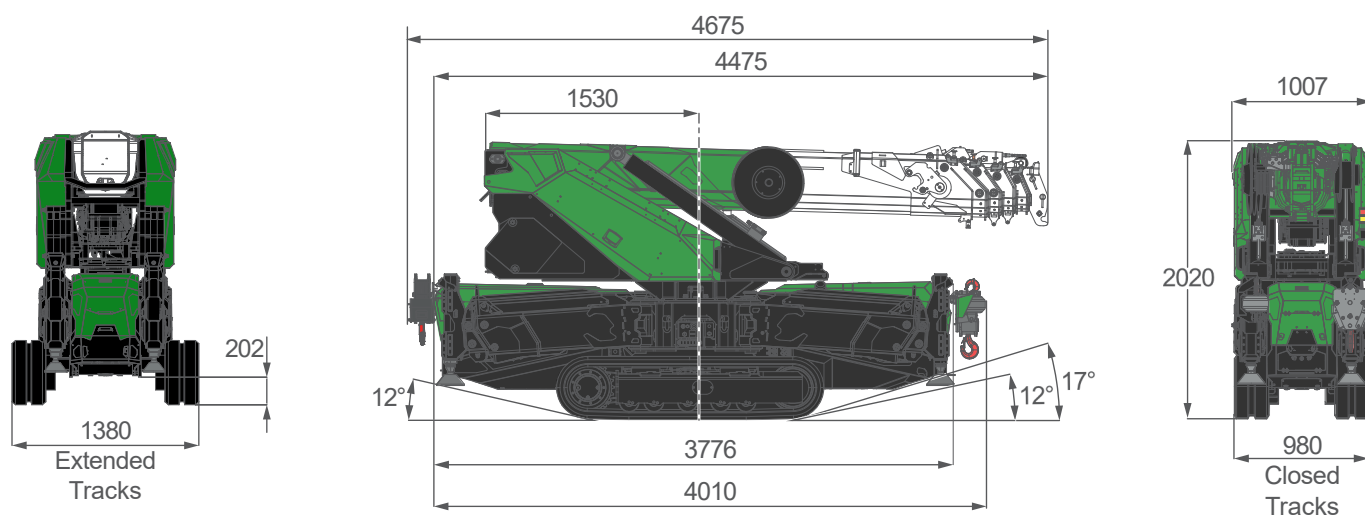
Specification & Capacities

## SPX650

## OVERALL DIMENSIONS SPX650CL-2



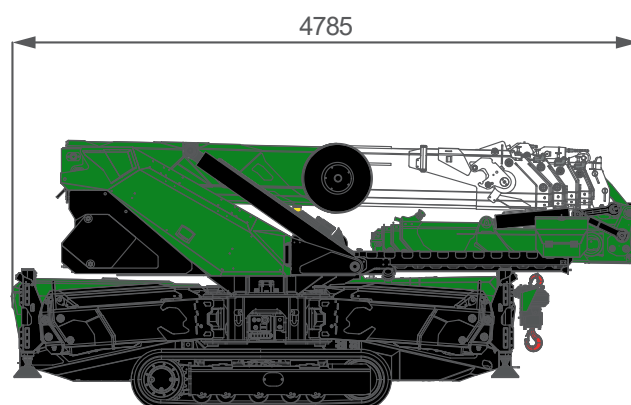
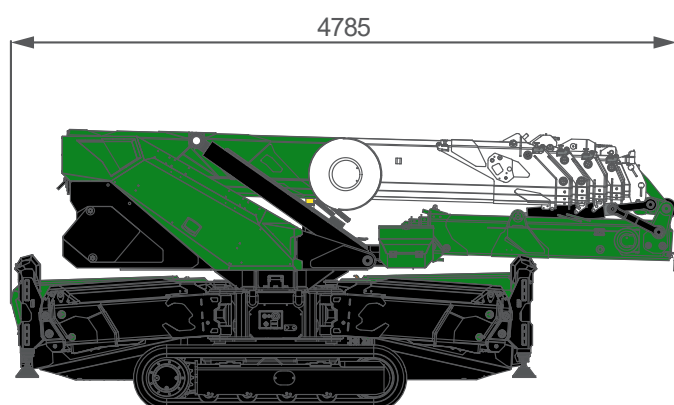
## OVERALL DIMENSIONS SPX650CDH



## OVERALL DIMENSIONS JIB MOUNTED ON MAIN BOOM

**SPX650CL-2**

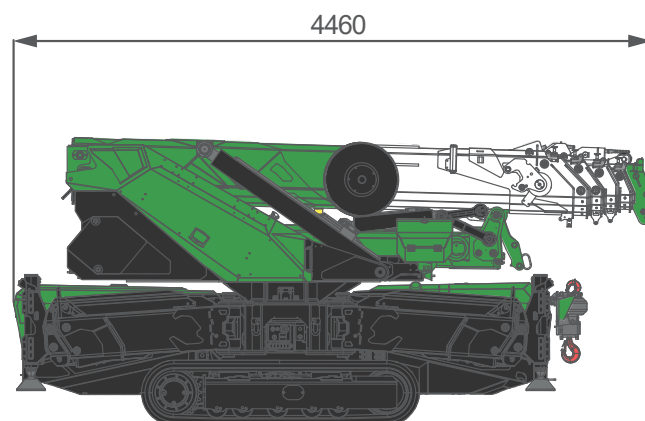
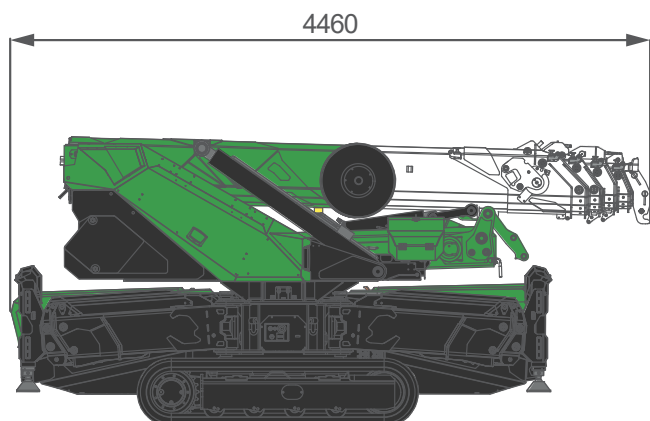
**SPX650CDH**



## OVERALL DIMENSIONS JIB STOWED ON THE COLUMN

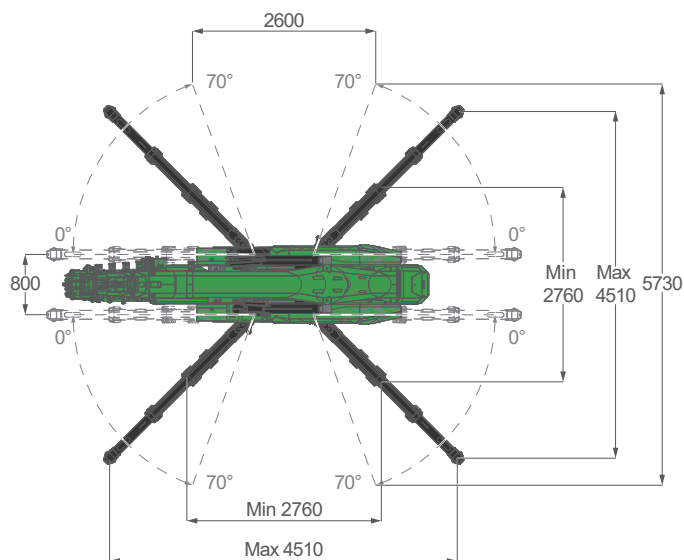
**SPX650CL-2**

**SPX650CDH**

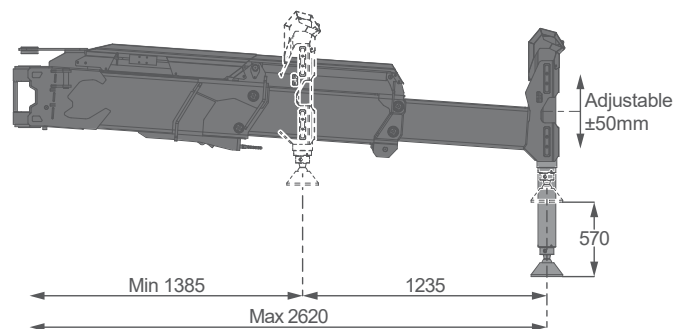


## OVERALL DIMENSIONS

### STABILITY DIMENSIONS



### JIB TILTING PULLEY HEAD



## CRANE PERFORMANCE

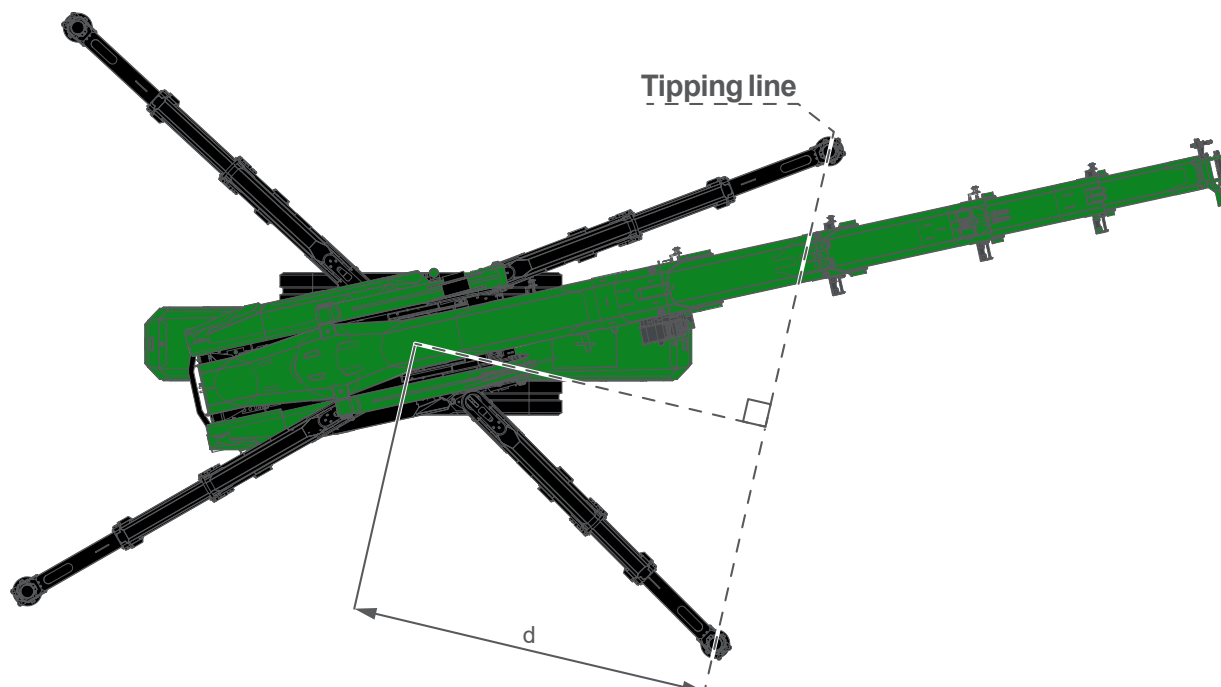
| CRANE PERFORMANCE        | d = 1,10m | d = 1,35m | d = 1,67m | d = 1,85m | d = 2,25m | d = 2,60m |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          |           |           |           |           |           | J7        |
|                          |           |           |           |           | J6        |           |
|                          |           |           |           | J5        |           |           |
|                          |           |           | J4        |           |           |           |
|                          |           | J3        |           |           |           |           |
|                          | J2        |           |           |           |           |           |
| J1 - PICK & CARRY        |           |           |           |           |           |           |
| J0 - No LIFTING CAPACITY |           |           |           |           |           |           |
| STABILITY AREA           |           |           |           |           |           |           |

J: Stability level with J7 being the maximum and J2 the minimum, J1 is Pick&Carry only and J0 has no lifting capacity.

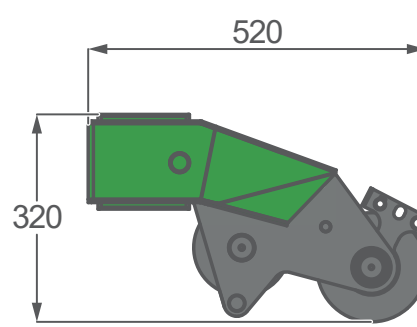
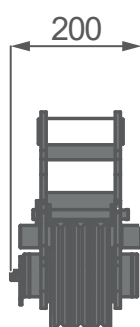
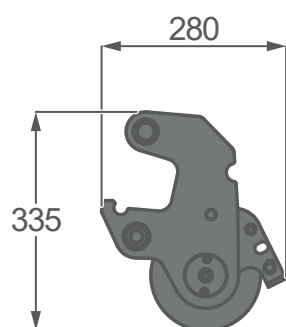
d: Perpendicular distance between the overturning line and the center of rotation.



## OVERALL DIMENSIONS TIPPING LINE



## PULLEY HEAD AND HOOKBLOCK MAIN BOOM TILTING PULLEY HEAD



## OVERALL INFORMATION

| CRANE INFO | NAME                                                                                | DESCRIPTIONS                   |               | U.M                | VALUE     |
|------------|-------------------------------------------------------------------------------------|--------------------------------|---------------|--------------------|-----------|
|            |    | OVERALL DIMENSIONS<br>CDH      | Height        | mm                 | 2.020     |
|            |                                                                                     |                                | Length        |                    | 4.675     |
|            |                                                                                     |                                | Width         |                    | 980       |
|            |                                                                                     | OVERALL DIMENSIONS<br>CL2      | Height        |                    | 2.020     |
|            |                                                                                     |                                | Length        |                    | 4.675     |
|            |                                                                                     |                                | Width         |                    | 980       |
|            |    | BOOM                           | Length        | m                  | 4,0-14,5  |
|            |                                                                                     |                                | Speed         | s                  | 39        |
|            |    | SLEWING                        | Angle         | °                  | 360°      |
|            |                                                                                     |                                | Speed         | rpm                | 0,85      |
|            |    | LIFTING                        | working Angle | °                  | 0°/80°    |
|            |                                                                                     |                                | Speed         | s                  | 33        |
|            |    | Max Capacity                   |               | kg                 | 5.000     |
|            |  | Max Outirgger Load Bearing CDH |               | kg                 | 4900†     |
|            |                                                                                     | Max Outirgger Load Bearing CL2 |               | kg                 | 4800‡     |
|            |  | Track load                     |               | kg/cm <sup>2</sup> | 0,78§     |
|            |  | Travel Speed                   | CDH           | km/h               | 1,9/2,9   |
|            |                                                                                     |                                | CL2           |                    |           |
|            |  | Gradeability                   |               | °                  | 20        |
|            |  | Working Temperature            |               | °C                 | -20°/+40° |
|            |                                                                                     | Lifting Class (UNI 4301-1)     |               | A1                 |           |

\*: Dry weight

†: Engine working limit

‡: Static lifting

§: Crane without accessories

|             |                                                                                     |                 |               |    |        |
|-------------|-------------------------------------------------------------------------------------|-----------------|---------------|----|--------|
| ACCESSORIES |    | CRANE           | SPX650CL-2    | kg | 5.900* |
|             |                                                                                     |                 | SPX650CDH     | kg | 6.000* |
|             |                                                                                     | HOOKBLOCK       | Overhaul Ball | kg | 27     |
|             |                                                                                     |                 | 2T- D7        | kg | 20     |
|             |                                                                                     |                 | 2.5T - D7     |    |        |
|             |                                                                                     |                 | 57-D7         | kg | 44,6   |
|             |    | JIB             | JIB2000GX     | kg | 40     |
|             |                                                                                     |                 | JIB1200.3HX   | kg | 410    |
|             |    | WINCH           | W800.6        | kg | 52     |
|             |    | OUTRIGGERS MATS | OM400         | kg | 17     |
|             |  | TOOLBOXES       | TB            | kg | 20     |

|        |                                                                                     |                 |               |    |      |
|--------|-------------------------------------------------------------------------------------|-----------------|---------------|----|------|
| ENGINE |  | ENGINE<br>CDH   | Power         | kW | 18.5 |
|        |                                                                                     |                 | Horse Power   | HP | 24.5 |
|        |                                                                                     |                 | Tank capacity | L  | 30   |
|        |  | ELECTRIC<br>CL2 | Voltage       | V  | 48   |
|        |                                                                                     |                 | Power         | kW | 16   |

|                  |                                                                                     |                  |                 |                   |                 |
|------------------|-------------------------------------------------------------------------------------|------------------|-----------------|-------------------|-----------------|
| HYDRAULIC SYSTEM |  | Working Pressure |                 | bar               | 230             |
|                  |                                                                                     | Tank Capacity    |                 | L                 | 70              |
|                  |                                                                                     | OIL              | Type            | Synthetic         | ISO 6743-4:HFDU |
|                  |                                                                                     |                  |                 | Biodegradable     | ISO VG46        |
|                  |                                                                                     |                  | Viscosity Grade | VG                | 46              |
|                  |                                                                                     | MAIN PUMP<br>CDH | Type            | Axial Piston Pump |                 |
|                  |                                                                                     |                  | Displacement    | cm³/rev           | 30              |
|                  |                                                                                     |                  | Max Oil Flow    | L/min             | 65              |
|                  |                                                                                     | MAIN PUMP<br>CL2 | Displacement    | cm³/rev           | 35              |
|                  |                                                                                     |                  | Max Oil Flow    | L/min             | 65              |

## HOIST PERFORMANCE

| GEARWINCH | Layer                               |          | Max line pull | Standard rope speed |
|-----------|-------------------------------------|----------|---------------|---------------------|
|           |                                     |          | kg            | m/min               |
|           | 1                                   |          | 785           | 16                  |
|           | 2                                   |          | 730           | 17                  |
|           | 3                                   |          | 680           | 18                  |
|           | 4                                   |          | 640           | 20                  |
|           | 5                                   |          | 600           | 21                  |
| ROPE      | Wire rope                           | Max load | Ø             | Total length        |
|           |                                     | kg       | mm            | m                   |
|           | 19x7 right lang lay<br>Non rotating | 4.700    | 7             | 81                  |

| PISTON WINCH | Layer                               |          | Max line pull | Standard rope speed |
|--------------|-------------------------------------|----------|---------------|---------------------|
|              |                                     |          | kg            | m/min               |
|              | 1                                   |          | 980*          | -                   |
|              | 2                                   |          | 910*          | -                   |
|              | 3                                   |          | 860*          | -                   |
|              | 4                                   |          | 810*          | -                   |
| ROPE         | Wire rope                           | Max load | Ø             | Total lenght        |
|              |                                     | kg       | mm            | m                   |
|              | 19x7 right lang lay<br>Non rotating | 4.700    | 7             | 68                  |

\*: LMI limited at 800kg.

†: Maximum speed and maximum lifting capacity cannot be contemporary.

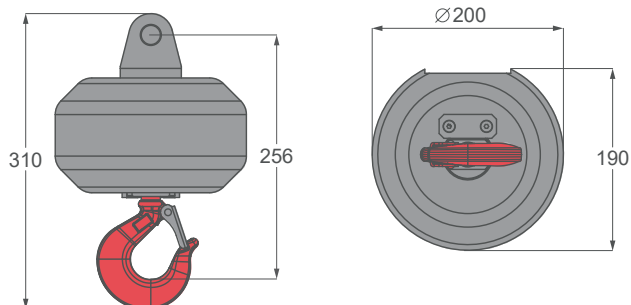


: Test made in full force/low speed mode.

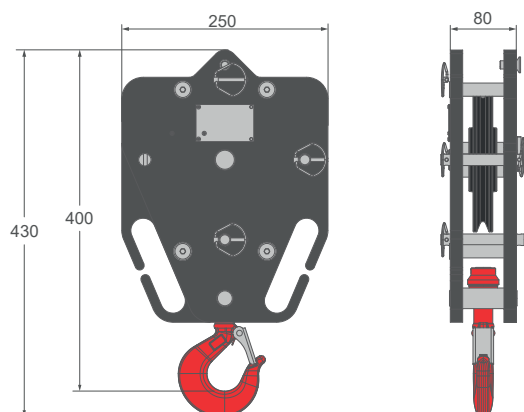


: Test made in full speed/low force mode.

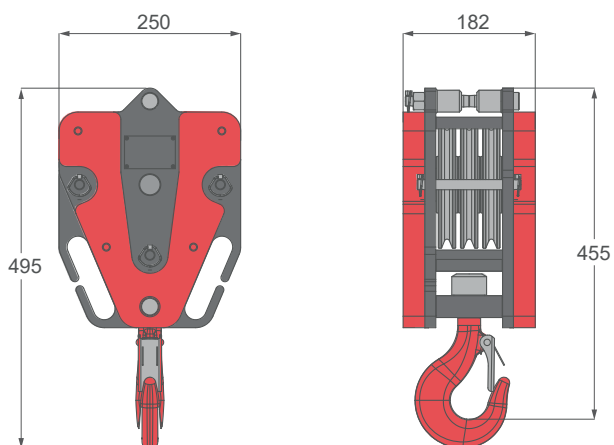
## HOOKBLOCK



| MODELS | Overhaul Ball     |           | Weights (kg) |       |
|--------|-------------------|-----------|--------------|-------|
|        |                   |           | 27           |       |
|        | Block type        | Load (kg) | N° of        |       |
|        |                   |           | Sheaves      | Lines |
|        | Single fall block | 1.000*    | -            | 1     |



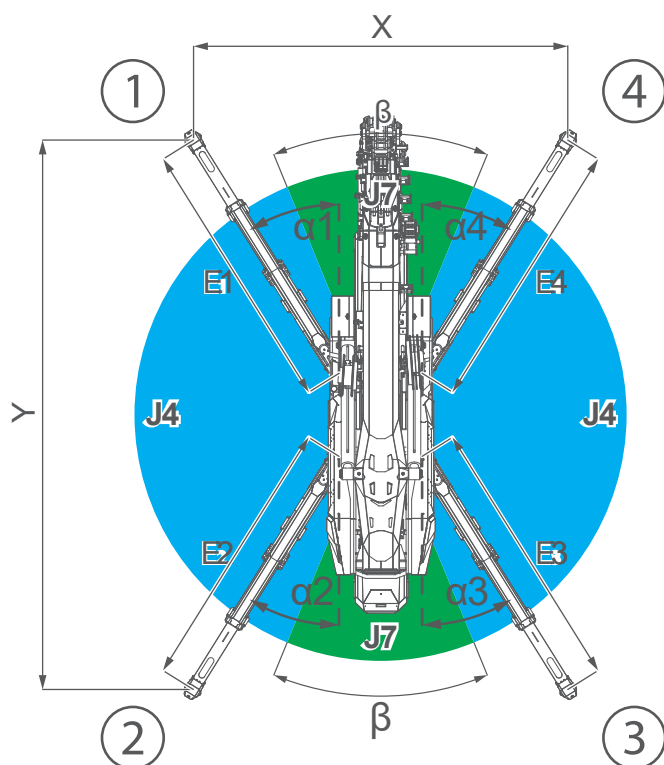
| MODELS | 2T-D7<br>2.5T-D7    |           | Weights (kg) |       |
|--------|---------------------|-----------|--------------|-------|
|        |                     |           | 20           |       |
|        | Block type          | Load (kg) | N° of        |       |
|        |                     |           | Sheaves      | Lines |
|        | Single pulley block | 1.600     | 1            | 2     |
|        |                     | 2.400     | 1            | 3     |



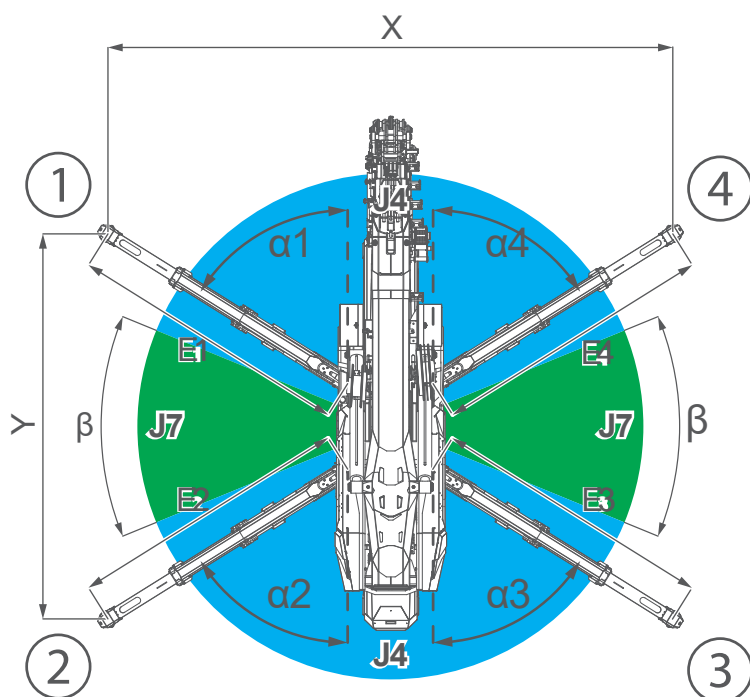
| MODELS | 5T-D7               |           | Weights (kg) |       |
|--------|---------------------|-----------|--------------|-------|
|        |                     |           | 45           |       |
|        | Block type          | Load (kg) | N° of        |       |
|        |                     |           | Sheaves      | Lines |
|        | Triple pulley block | 4.800     | 3            | 6     |
|        |                     | 4.000     | 2            | 5     |
|        |                     | 3.200     | 2            | 4     |

## CRANE PERFORMANCE

### STABILITY EXAMPLES



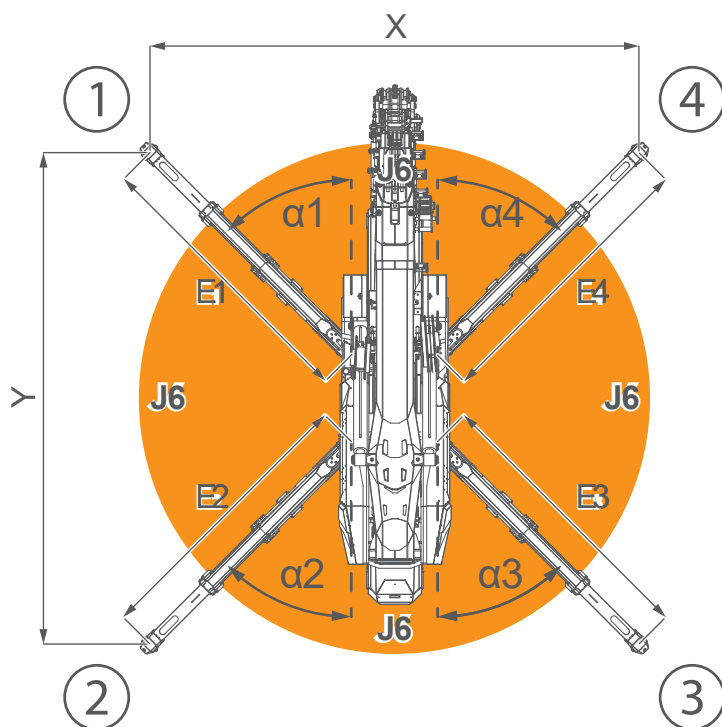
| FULL SYMMETRIC STABILITY |                |          |
|--------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS     |                |          |
|                          | Main Boom      | with Jib |
| X                        | 3,6 m          |          |
| Y                        | 5,2 m          |          |
| OUTRIGGERS ANGLES        | $\alpha_1$     | 32°      |
|                          | $\alpha_2$     | 32°      |
|                          | $\alpha_3$     | 32°      |
|                          | $\alpha_4$     | 32°      |
| OUTRIGGERS EXTENSIONS    | E <sub>1</sub> | 2,6 m    |
|                          | E <sub>2</sub> | 2,6 m    |
|                          | E <sub>3</sub> | 2,6 m    |
|                          | E <sub>4</sub> | 2,6 m    |
| J7                       | $\beta$        | 44°      |



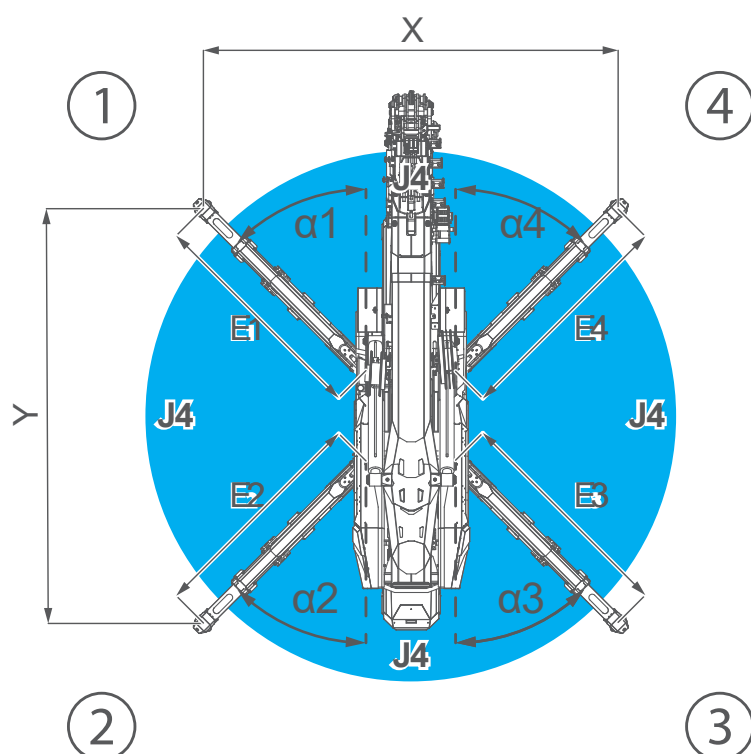
| FULL SYMMETRIC STABILITY |                |          |
|--------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS     |                |          |
|                          | Main Boom      | with Jib |
| X                        | 5,2 m          |          |
| Y                        | 3,6 m          |          |
| OUTRIGGERS ANGLES        | $\alpha_1$     | 58°      |
|                          | $\alpha_2$     | 58°      |
|                          | $\alpha_3$     | 58°      |
|                          | $\alpha_4$     | 58°      |
| OUTRIGGERS EXTENSIONS    | E <sub>1</sub> | 2,6 m    |
|                          | E <sub>2</sub> | 2,6 m    |
|                          | E <sub>3</sub> | 2,6 m    |
|                          | E <sub>4</sub> | 2,6 m    |
| J7                       | $\beta$        | 44°      |

## CRANE PERFORMANCE

### STABILITY EXAMPLES



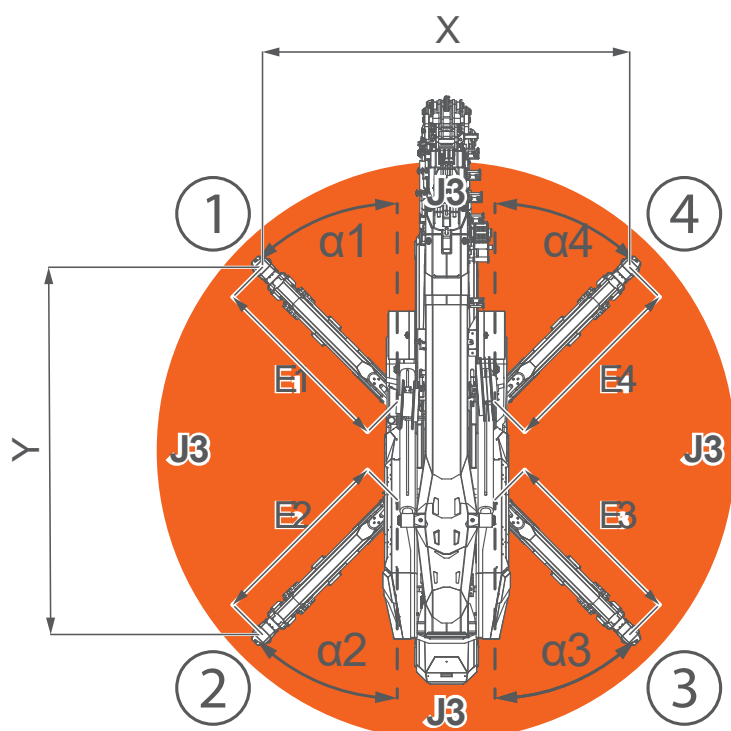
| FULL SYMMETRIC STABILITY |                |          |
|--------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS     |                |          |
|                          | Main Boom      | with Jib |
| X                        | 4,5 m          |          |
| Y                        | 4,5 m          |          |
| OUTRIGGERS ANGLES        | $\alpha_1$     | 45°      |
|                          | $\alpha_2$     | 45°      |
|                          | $\alpha_3$     | 45°      |
|                          | $\alpha_4$     | 45°      |
| OUTRIGGERS EXTENSIONS    | E <sub>1</sub> | 2,6 m    |
|                          | E <sub>2</sub> | 2,6 m    |
|                          | E <sub>3</sub> | 2,6 m    |
|                          | E <sub>4</sub> | 2,6 m    |



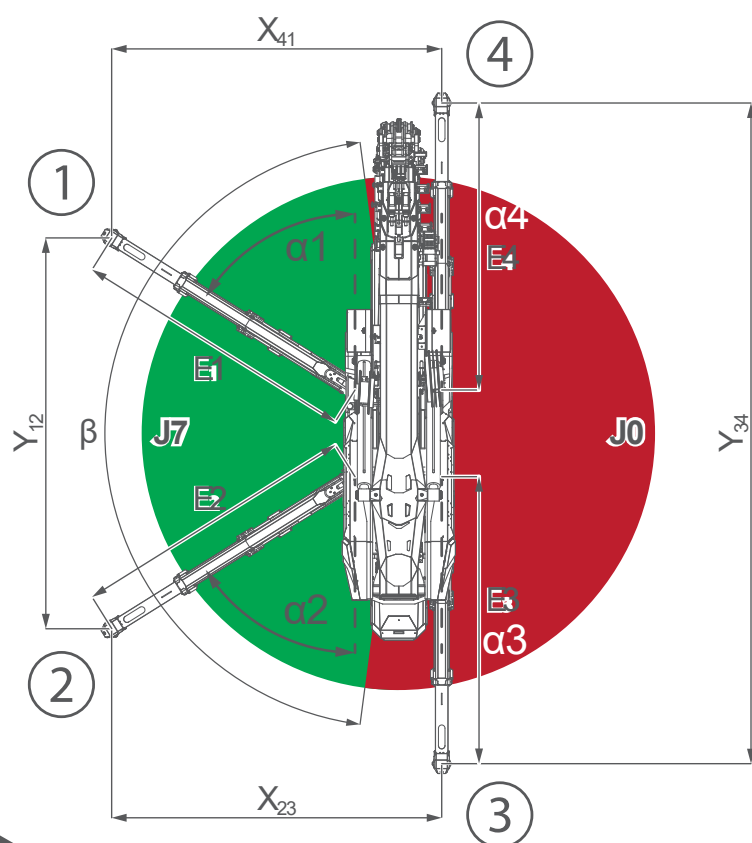
| HALF SYMMETRIC STABILITY |                |          |
|--------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS     |                |          |
|                          | Main Boom      | with Jib |
| X                        | 3,6 m          |          |
| Y                        | 3,6 m          |          |
| OUTRIGGERS ANGLES        | $\alpha_1$     | 45°      |
|                          | $\alpha_2$     | 45°      |
|                          | $\alpha_3$     | 45°      |
|                          | $\alpha_4$     | 45°      |
| OUTRIGGERS EXTENSIONS    | E <sub>1</sub> | 2,0 m    |
|                          | E <sub>2</sub> | 2,0 m    |
|                          | E <sub>3</sub> | 2,0 m    |
|                          | E <sub>4</sub> | 2,0 m    |

## CRANE PERFORMANCE

### STABILITY EXAMPLES



| MINIMUM SYMMETRIC STABILITY |                |          |
|-----------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS        |                |          |
|                             | Main Boom      | with Jib |
| X                           | 2,8 m          |          |
| Y                           | 2,8 m          |          |
| OUTRIGGERS ANGLES           | $\alpha_1$     | 45°      |
|                             | $\alpha_2$     | 45°      |
|                             | $\alpha_3$     | 45°      |
|                             | $\alpha_4$     | 45°      |
| OUTRIGGERS EXTENSIONS       | E <sub>1</sub> | 1,4 m    |
|                             | E <sub>2</sub> | 1,4 m    |
|                             | E <sub>3</sub> | 1,4 m    |
|                             | E <sub>4</sub> | 1,4 m    |

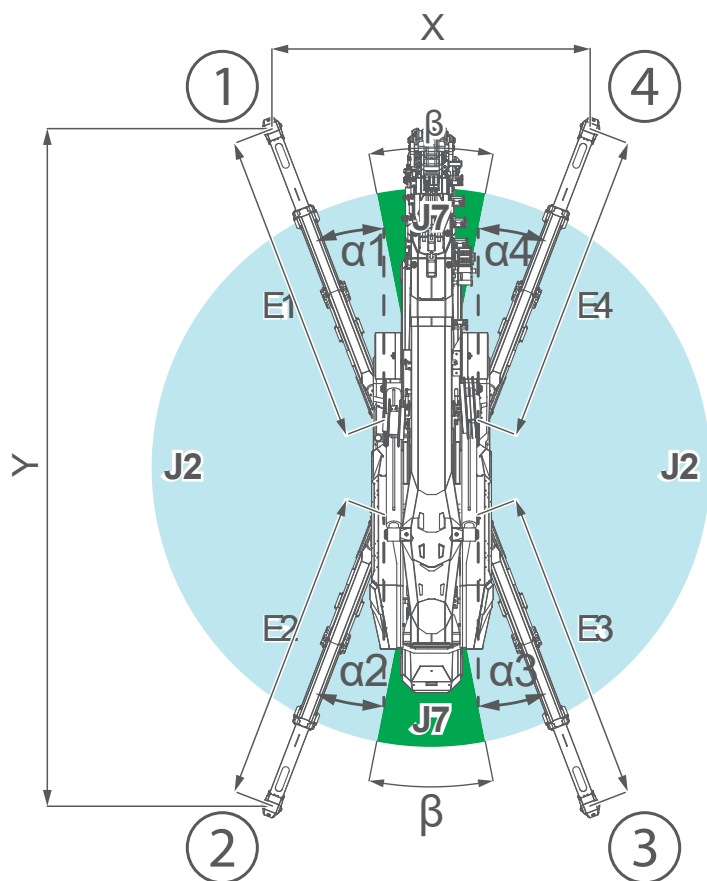


| ASYMMETRIC STABILITY ON SIDE |                |          |
|------------------------------|----------------|----------|
| FOOTPRINT DIMENSIONS         |                |          |
|                              | Main Boom      | with Jib |
| $X_{41}$                     | 3,3 m          |          |
| $Y_{12}$                     | 3,6 m          |          |
| $X_{23}$                     | 3,3 m          |          |
| $Y_{34}$                     | 6,0 m          |          |
| OUTRIGGERS ANGLES            | $\alpha_1$     | 58°      |
|                              | $\alpha_2$     | 58°      |
|                              | $\alpha_3$     | 0°       |
|                              | $\alpha_4$     | 0°       |
| OUTRIGGERS EXTENSIONS        | E <sub>1</sub> | 2,6 m    |
|                              | E <sub>2</sub> | 2,6 m    |
|                              | E <sub>3</sub> | 2,6 m    |
|                              | E <sub>4</sub> | 2,6 m    |
| J7                           | $\beta$        | 165°     |



## CRANE PERFORMANCE

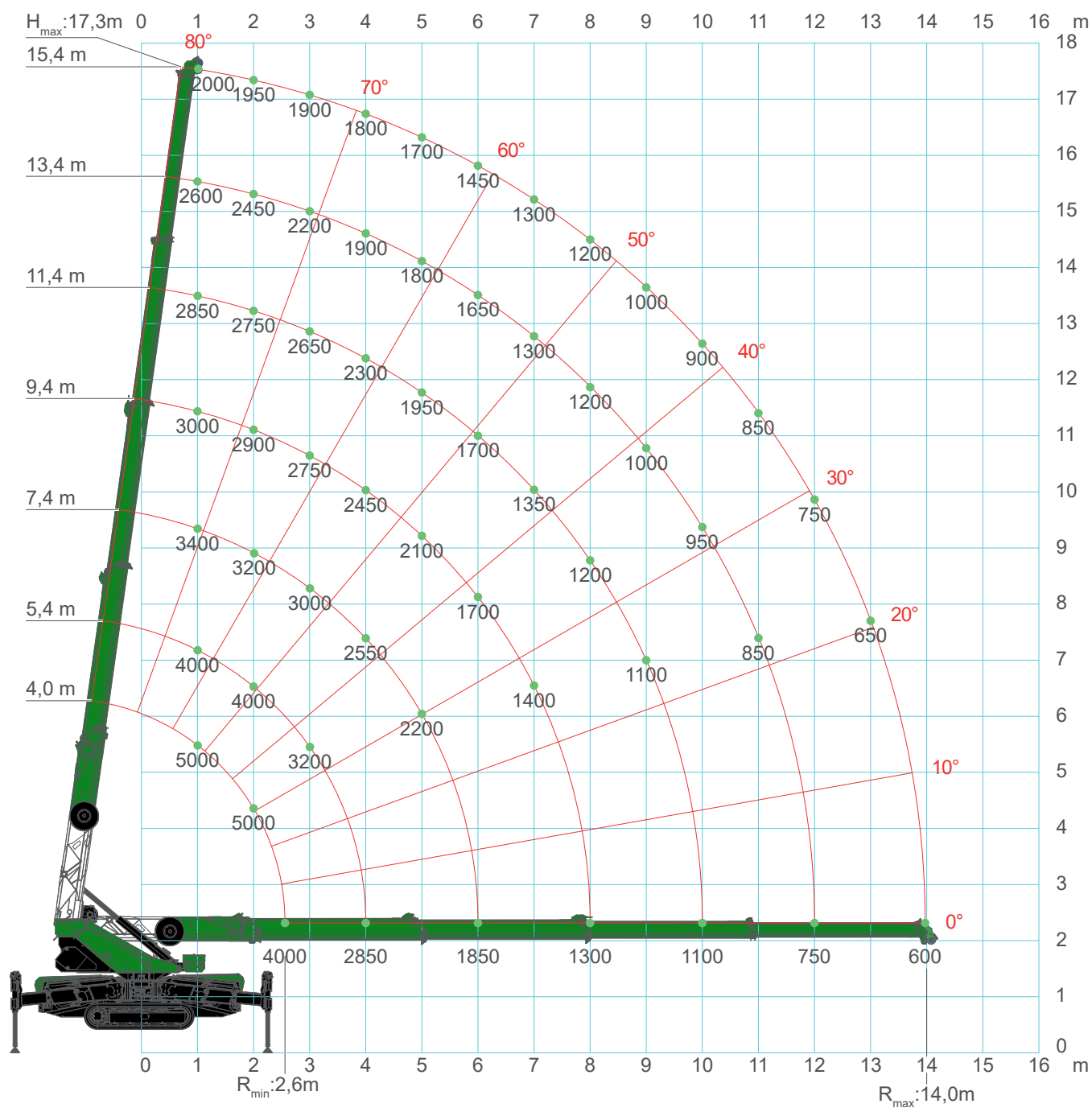
### STABILITY EXAMPLES



| FULL SYMMETRIC STABILITY |            |           |          |
|--------------------------|------------|-----------|----------|
| FOOTPRINT DIMENSIONS     |            | Main Boom | with Jib |
|                          | X          | 2,2 m     | 2,7 m    |
| OUTRIGGERS ANGLES        | Y          | 5,8 m     | 5,7 m    |
|                          | $\alpha_1$ | 16°       | 21°      |
|                          | $\alpha_2$ | 16°       | 21°      |
|                          | $\alpha_3$ | 16°       | 21°      |
| OUTRIGGERS EXTENSIONS    | $\alpha_4$ | 16°       | 21°      |
|                          | $E_1$      | 2,6 m     |          |
|                          | $E_2$      | 2,6 m     |          |
|                          | $E_3$      | 2,6 m     |          |
|                          | $E_4$      | 2,6 m     |          |
| J7                       | $\beta$    | 14°       | 22°      |

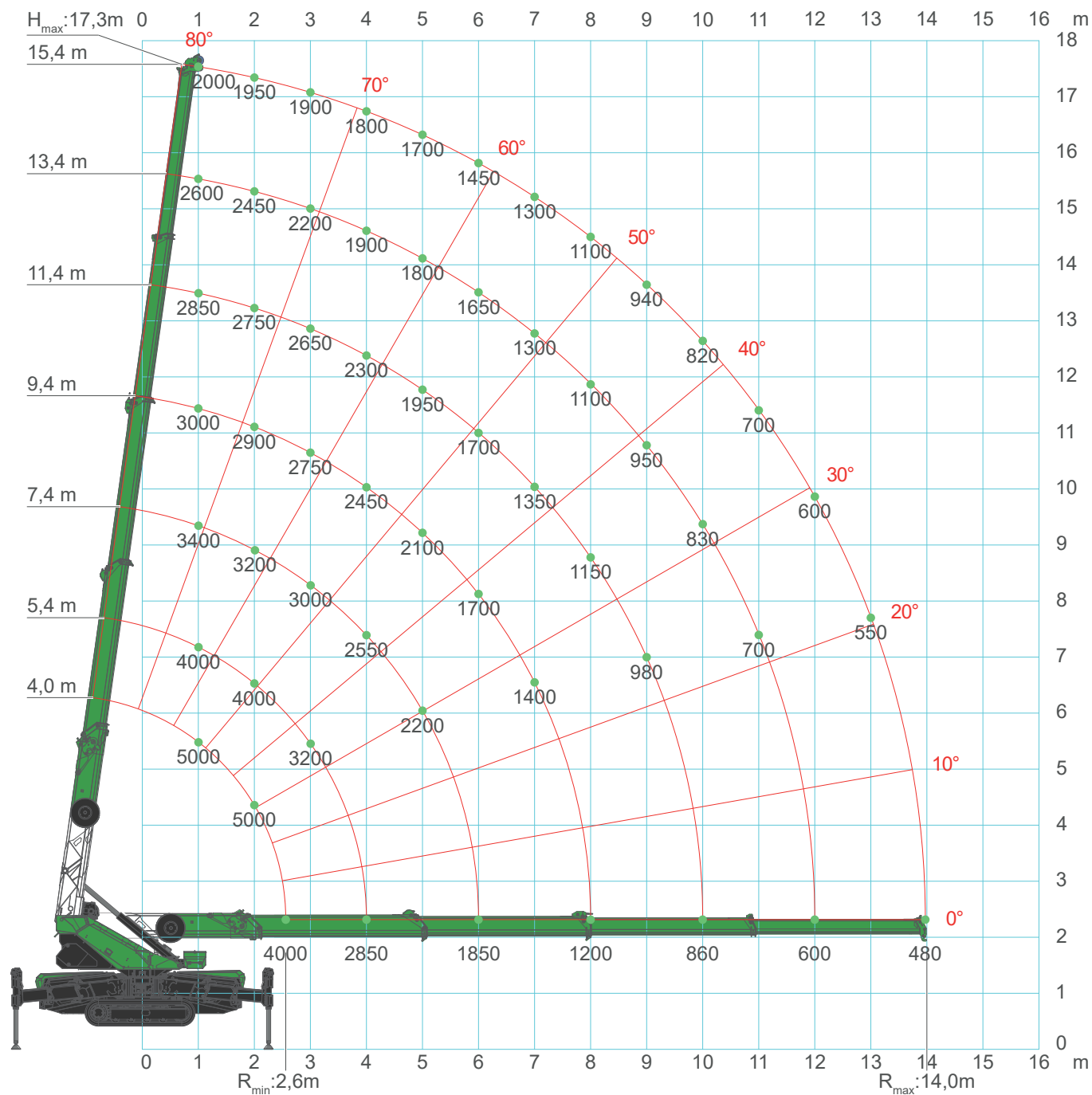
## SPX650 - MAIN BOOM

J7



## SPX650 - MAIN BOOM

J6



[kg]

## SPX650 - MAIN BOOM

| CRANE PERFORMANCE        | d = 1,10m | d = 1,35m | d = 1,67m | d = 1,85m | d = 2,25m | d = 2,60m |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          |           |           |           |           |           | J7        |
|                          |           |           |           |           | J6        |           |
|                          |           |           |           | J5        |           |           |
|                          |           |           | J4        |           |           |           |
|                          |           | J3        |           |           |           |           |
|                          | J2        |           |           |           |           |           |
| J1 - PICK & CARRY        |           |           |           |           |           |           |
| J0 - No LIFTING CAPACITY |           |           |           |           |           |           |
| STABILITY AREA           |           |           |           |           |           |           |

| CRANE PERFORMANCE: J7 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L(m) →                | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 4,00 | 4,00 | 3,70 | 3,40 | 3,00 | 3,00 | 2,90 | 2,85 | 2,80 | 2,40 | 2,00 |
| 2                     | 5,00  | 4,00 | 4,00 | 3,50 | 3,20 | 2,90 | 2,90 | 2,80 | 2,75 | 2,70 | 2,20 | 1,95 |
| 3                     | 4,00  | 4,00 | 3,20 | 3,10 | 3,00 | 2,80 | 2,75 | 2,70 | 2,65 | 2,30 | 2,10 | 1,90 |
| 4                     |       |      | 2,85 | 2,60 | 2,55 | 2,50 | 2,45 | 2,40 | 2,30 | 2,00 | 1,85 | 1,80 |
| 5                     |       |      |      | 2,40 | 2,20 | 2,15 | 2,10 | 2,00 | 1,95 | 1,90 | 1,75 | 1,70 |
| 6                     |       |      |      |      | 1,85 | 1,75 | 1,70 | 1,70 | 1,70 | 1,70 | 1,65 | 1,45 |
| 7                     |       |      |      |      |      | 1,45 | 1,40 | 1,40 | 1,35 | 1,35 | 1,30 | 1,30 |
| 8                     |       |      |      |      |      |      | 1,30 | 1,25 | 1,25 | 1,20 | 1,20 | 1,20 |
| 9                     |       |      |      |      |      |      |      | 1,20 | 1,10 | 1,05 | 1,00 | 1,00 |
| 10                    |       |      |      |      |      |      |      |      | 1,10 | 1,00 | 0,90 | 0,90 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,85 | 0,85 | 0,85 |
| 13                    |       |      |      |      |      |      |      |      |      |      | 0,65 | 0,65 |
| 13,9                  |       |      |      |      |      |      |      |      |      |      |      | 0,60 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

## SPX650 - MAIN BOOM

| CRANE PERFORMANCE: J6 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 4,00 | 4,00 | 3,70 | 3,40 | 3,00 | 3,00 | 2,90 | 2,85 | 2,80 | 2,40 | 2,00 |
| 2                     | 5,00  | 4,00 | 4,00 | 3,50 | 3,20 | 2,90 | 2,90 | 2,80 | 2,75 | 2,70 | 2,20 | 1,95 |
| 3                     | 4,00  | 4,00 | 3,20 | 3,10 | 3,00 | 2,80 | 2,75 | 2,70 | 2,65 | 2,30 | 2,10 | 1,90 |
| 4                     |       |      | 2,85 | 2,60 | 2,55 | 2,50 | 2,45 | 2,40 | 2,30 | 2,00 | 1,85 | 1,80 |
| 5                     |       |      |      | 2,40 | 2,20 | 2,15 | 2,10 | 2,00 | 1,95 | 1,90 | 1,75 | 1,70 |
| 6                     |       |      |      |      | 1,85 | 1,75 | 1,70 | 1,70 | 1,70 | 1,70 | 1,65 | 1,45 |
| 7                     |       |      |      |      |      | 1,45 | 1,40 | 1,40 | 1,35 | 1,35 | 1,30 | 1,30 |
| 8                     |       |      |      |      |      |      | 1,20 | 1,15 | 1,15 | 1,10 | 1,10 | 1,10 |
| 9                     |       |      |      |      |      |      |      | 1,00 | 0,98 | 0,95 | 0,95 | 0,94 |
| 10                    |       |      |      |      |      |      |      |      | 0,86 | 0,84 | 0,82 | 0,82 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,70 | 0,70 | 0,70 |
| 13                    |       |      |      |      |      |      |      |      |      |      | 0,55 | 0,55 |
| 13,9                  |       |      |      |      |      |      |      |      |      |      |      | 0,48 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_BP\_GANCIO\_J6

| CRANE PERFORMANCE: J5 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 4,00 | 4,00 | 3,70 | 3,40 | 3,00 | 3,00 | 2,90 | 2,85 | 2,80 | 2,40 | 2,00 |
| 2                     | 5,00  | 4,00 | 4,00 | 3,50 | 3,20 | 2,90 | 2,90 | 2,80 | 2,75 | 2,70 | 2,20 | 1,95 |
| 3                     | 3,50  | 3,50 | 3,20 | 3,10 | 3,00 | 2,80 | 2,75 | 2,70 | 2,65 | 2,30 | 2,10 | 1,90 |
| 4                     |       |      | 2,70 | 2,60 | 2,55 | 2,50 | 2,45 | 2,40 | 2,30 | 2,00 | 1,85 | 1,80 |
| 5                     |       |      |      | 2,30 | 2,20 | 2,15 | 2,10 | 2,00 | 1,95 | 1,90 | 1,75 | 1,70 |
| 6                     |       |      |      |      | 1,65 | 1,65 | 1,65 | 1,65 | 1,50 | 1,50 | 1,40 | 1,40 |
| 7                     |       |      |      |      |      | 1,25 | 1,25 | 1,25 | 1,25 | 1,20 | 1,20 | 1,20 |
| 8                     |       |      |      |      |      |      | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 |
| 9                     |       |      |      |      |      |      |      | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 |
| 10                    |       |      |      |      |      |      |      |      | 0,65 | 0,65 | 0,65 | 0,65 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,54 | 0,54 | 0,54 |
| 13                    |       |      |      |      |      |      |      |      |      |      | 0,40 | 0,40 |
| 13,9                  |       |      |      |      |      |      |      |      |      |      |      | 0,30 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_BP\_GANCIO\_J5

## SPX650 - MAIN BOOM

| CRANE PERFORMANCE: J4 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 4,00 | 4,00 | 3,70 | 3,40 | 3,00 | 3,00 | 2,90 | 2,85 | 2,80 | 2,40 | 2,00 |
| 2                     | 5,00  | 4,00 | 4,00 | 3,50 | 3,20 | 2,90 | 2,90 | 2,80 | 2,75 | 2,70 | 2,20 | 1,95 |
| 3                     | 3,50  | 3,20 | 3,20 | 3,10 | 3,00 | 2,80 | 2,75 | 2,70 | 2,65 | 2,30 | 2,10 | 1,90 |
| 4                     |       |      | 2,70 | 2,60 | 2,55 | 2,50 | 2,45 | 2,40 | 2,30 | 2,00 | 1,85 | 1,80 |
| 5                     |       |      |      | 1,75 | 1,75 | 1,75 | 1,75 | 1,75 | 1,75 | 1,65 | 1,55 | 1,50 |
| 6                     |       |      |      |      | 1,30 | 1,30 | 1,30 | 1,30 | 1,25 | 1,25 | 1,20 | 1,20 |
| 7                     |       |      |      |      |      | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 |
| 8                     |       |      |      |      |      |      | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 |
| 9                     |       |      |      |      |      |      |      | 0,64 | 0,64 | 0,64 | 0,64 | 0,64 |
| 10                    |       |      |      |      |      |      |      |      | 0,50 | 0,50 | 0,50 | 0,50 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,40 | 0,40 | 0,40 |
| 13                    |       |      |      |      |      |      |      |      |      |      | 0,24 | 0,24 |
| 13,9                  |       |      |      |      |      |      |      |      |      |      |      | 0,18 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_BP\_GANCIO\_J4

| CRANE PERFORMANCE: J3 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 4,00 | 4,00 | 3,70 | 3,40 | 3,00 | 2,70 | 2,50 | 2,50 | 2,40 | 1,90 | 1,70 |
| 2                     | 5,00  | 4,00 | 4,00 | 3,50 | 3,00 | 2,80 | 2,60 | 2,40 | 2,30 | 2,30 | 1,80 | 1,60 |
| 3                     | 3,00  | 2,80 | 2,80 | 2,60 | 2,40 | 2,30 | 2,30 | 2,20 | 2,20 | 2,00 | 1,70 | 1,50 |
| 4                     |       |      | 2,00 | 2,00 | 1,90 | 1,80 | 1,80 | 1,70 | 1,60 | 1,60 | 1,50 | 1,40 |
| 5                     |       |      |      | 1,35 | 1,35 | 1,35 | 1,30 | 1,30 | 1,30 | 1,25 | 1,25 | 1,25 |
| 6                     |       |      |      |      | 1,00 | 1,00 | 1,00 | 1,00 | 0,90 | 0,90 | 0,85 | 0,85 |
| 7                     |       |      |      |      |      | 0,70 | 0,70 | 0,70 | 0,70 | 0,70 | 0,70 | 0,70 |
| 8                     |       |      |      |      |      |      | 0,50 | 0,50 | 0,50 | 0,50 | 0,50 | 0,50 |
| 9                     |       |      |      |      |      |      |      | 0,40 | 0,40 | 0,40 | 0,40 | 0,40 |
| 10                    |       |      |      |      |      |      |      |      | 0,30 | 0,30 | 0,30 | 0,30 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,20 | 0,20 | 0,20 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_BP\_GANCIO\_J3

\*: Completely retracted boom

## SPX650 - MAIN BOOM

| CRANE PERFORMANCE: J2 |       |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0*  | 4,05 | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 5,00  | 3,00 | 3,00 | 2,00 | 2,00 | 2,00 | 1,50 | 1,50 | 1,50 | 1,30 | 1,20 | 1,20 |
| 2                     | 4,00  | 2,00 | 2,00 | 1,50 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,00 | 1,00 | 1,00 |
| 3                     | 2,00  | 1,50 | 1,50 | 1,20 | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 | 0,90 | 0,80 | 0,80 |
| 4                     |       |      | 1,00 | 0,95 | 0,90 | 0,80 | 0,80 | 0,80 | 0,70 | 0,70 | 0,60 | 0,60 |
| 5                     |       |      |      | 0,90 | 0,80 | 0,70 | 0,70 | 0,70 | 0,65 | 0,65 | 0,60 | 0,55 |
| 6                     |       |      |      |      | 0,70 | 0,65 | 0,65 | 0,60 | 0,60 | 0,55 | 0,50 | 0,40 |
| 7                     |       |      |      |      |      | 0,50 | 0,40 | 0,40 | 0,40 | 0,35 | 0,35 | 0,30 |
| 8                     |       |      |      |      |      |      | 0,38 | 0,30 | 0,30 | 0,30 | 0,25 | 0,22 |
| 9                     |       |      |      |      |      |      |      | 0,30 | 0,28 | 0,25 | 0,22 | 0,20 |
| 10                    |       |      |      |      |      |      |      |      | 0,20 | 0,15 | 0,15 | 0,15 |
| 11                    |       |      |      |      |      |      |      |      |      | 0,15 | 0,10 | 0,10 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |      |

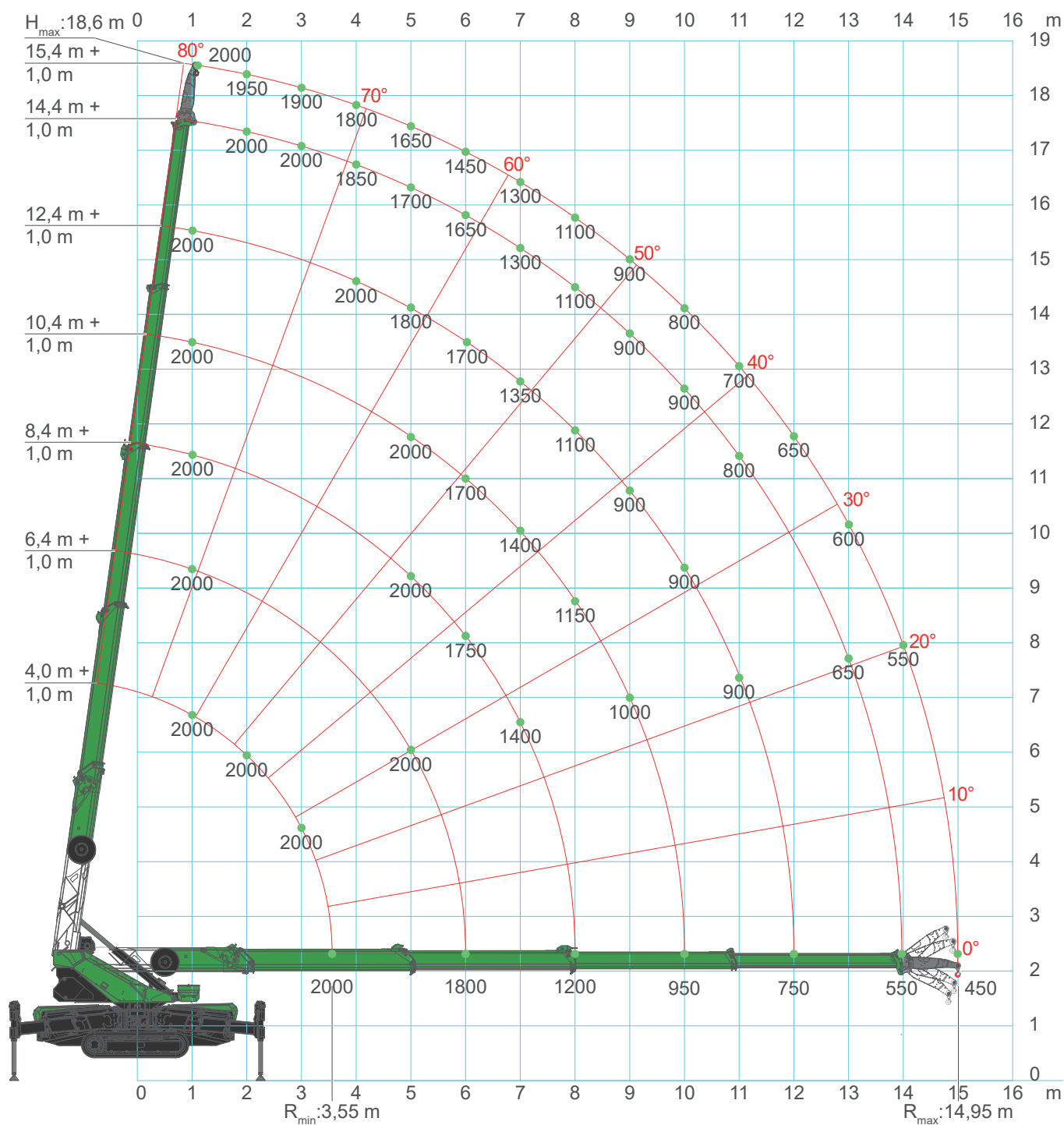
LC650\_V101\_0321\_BP\_GANCIO\_J2

| CRANE PERFORMANCE: J1 (Pick & Carry) |       |      |      |
|--------------------------------------|-------|------|------|
| L (m) →                              | 4,0*  | 5,4  | 6,4  |
| 1                                    | 0,80  | 0,80 | 0,60 |
| 2                                    | 0,70  | 0,70 | 0,60 |
| 3                                    | 0,60  | 0,55 | 0,50 |
| 4                                    |       | 0,32 | 0,30 |
| 5                                    |       |      | 0,15 |
| ↑ R (m)                              | [ton] |      |      |

LC650\_V101\_0321\_BP\_GANCIO\_J1

## SPX650 - MAIN BOOM

J7



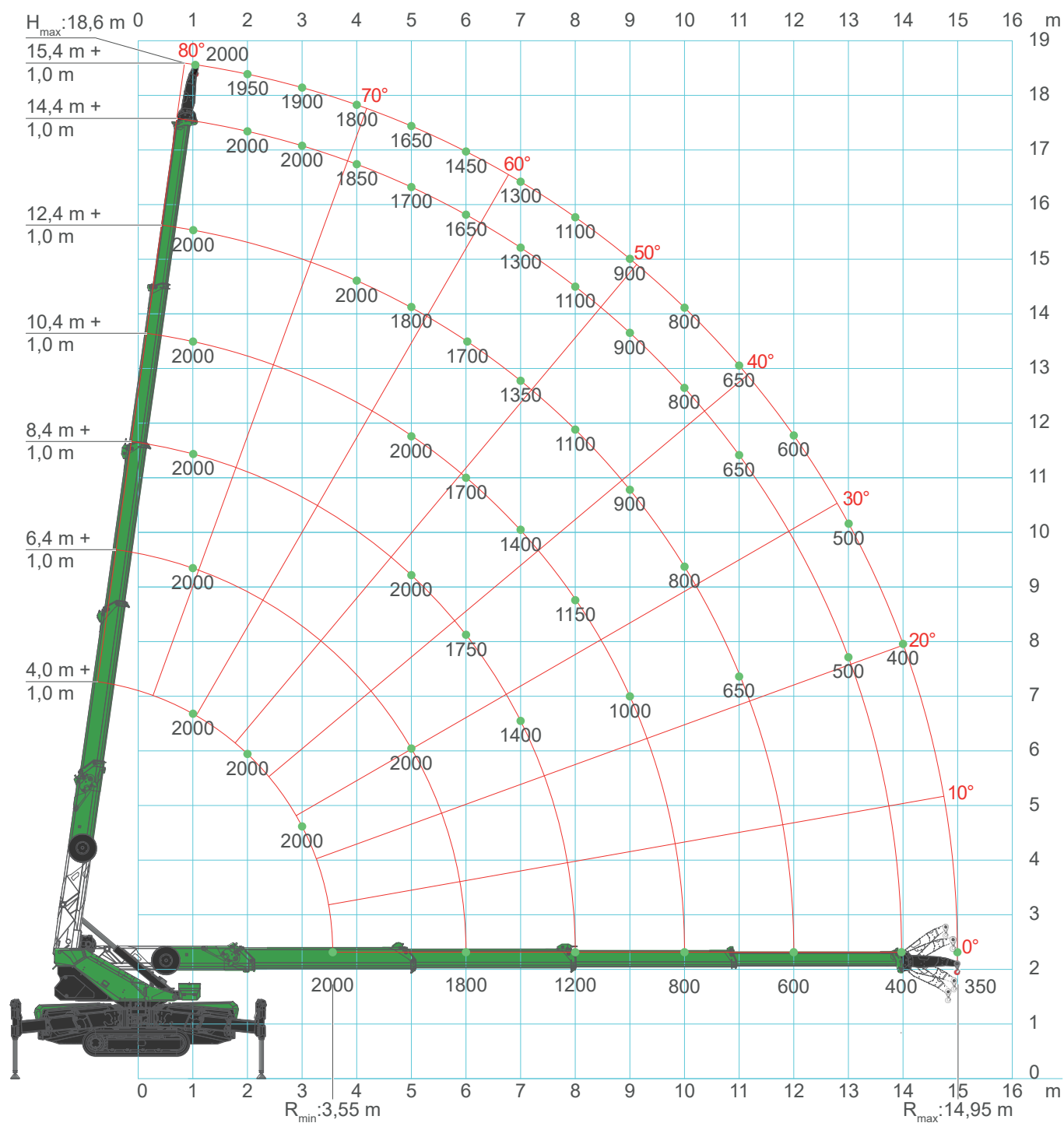
\*: Completely retracted boom

[kg]



# SPX650 - JIB2000GX

J6



[kg]

## SPX650 - JIB2000GX

| CRANE PERFORMANCE        | d = 1,10m | d = 1,35m | d = 1,67m | d = 1,85m | d = 2,25m | d = 2,60m |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          |           |           |           |           |           | J7        |
|                          |           |           |           |           | J6        |           |
|                          |           |           |           | J5        |           |           |
|                          |           |           | J4        |           |           |           |
|                          |           | J3        |           |           |           |           |
|                          | J2        |           |           |           |           |           |
| J1 - PICK & CARRY        |           |           |           |           |           |           |
| J0 - No LIFTING CAPACITY |           |           |           |           |           |           |
| STABILITY AREA           |           |           |           |           |           |           |

| CRANE PERFORMANCE: J7 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 |
| 2                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,95 |
| 3                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 |
| 4                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,85 | 1,80 |
| 5                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,80 | 1,70 | 1,65 |
| 6                     |       |      | 1,80 | 1,80 | 1,75 | 1,70 | 1,70 | 1,70 | 1,70 | 1,65 | 1,45 |
| 7                     |       |      |      | 1,40 | 1,40 | 1,40 | 1,40 | 1,35 | 1,35 | 1,30 | 1,30 |
| 8                     |       |      |      |      | 1,20 | 1,20 | 1,15 | 1,15 | 1,10 | 1,10 | 1,10 |
| 9                     |       |      |      |      |      | 1,00 | 1,00 | 0,90 | 0,90 | 0,90 | 0,90 |
| 10                    |       |      |      |      |      |      | 0,95 | 0,90 | 0,90 | 0,90 | 0,80 |
| 11                    |       |      |      |      |      |      |      | 0,90 | 0,90 | 0,80 | 0,70 |
| 12                    |       |      |      |      |      |      |      |      | 0,75 | 0,75 | 0,65 |
| 14                    |       |      |      |      |      |      |      |      |      | 0,55 | 0,55 |
| 14,9                  |       |      |      |      |      |      |      |      |      |      | 0,45 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

## SPX650 - JIB2000GX

| CRANE PERFORMANCE: J6 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 |
| 2                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,95 |
| 3                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 |
| 4                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,85 | 1,80 |
| 5                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,80 | 1,70 | 1,65 |
| 6                     |       |      | 1,80 | 1,80 | 1,75 | 1,70 | 1,70 | 1,70 | 1,70 | 1,65 | 1,45 |
| 7                     |       |      |      | 1,40 | 1,40 | 1,40 | 1,40 | 1,35 | 1,35 | 1,30 | 1,30 |
| 8                     |       |      |      |      | 1,20 | 1,20 | 1,15 | 1,15 | 1,10 | 1,10 | 1,10 |
| 9                     |       |      |      |      |      | 1,00 | 1,00 | 0,90 | 0,90 | 0,90 | 0,90 |
| 10                    |       |      |      |      |      |      | 0,80 | 0,80 | 0,80 | 0,80 | 0,80 |
| 11                    |       |      |      |      |      |      |      | 0,65 | 0,65 | 0,65 | 0,65 |
| 12                    |       |      |      |      |      |      |      |      | 0,60 | 0,60 | 0,60 |
| 14                    |       |      |      |      |      |      |      |      |      | 0,40 | 0,40 |
| 14,9                  |       |      |      |      |      |      |      |      |      |      | 0,35 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_RUNNER\_GANCIO\_J6

| CRANE PERFORMANCE: J5 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,70 | 1,65 |
| 2                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,70 | 1,65 |
| 3                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,70 | 1,65 |
| 4                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,70 | 1,65 |
| 5                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,90 | 1,80 | 1,70 | 1,65 |
| 6                     |       |      | 1,50 | 1,50 | 1,50 | 1,50 | 1,50 | 1,40 | 1,40 | 1,30 | 1,30 |
| 7                     |       |      |      | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 |
| 8                     |       |      |      |      | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 |
| 9                     |       |      |      |      |      | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 |
| 10                    |       |      |      |      |      |      | 0,60 | 0,60 | 0,60 | 0,60 | 0,60 |
| 11                    |       |      |      |      |      |      |      | 0,50 | 0,50 | 0,50 | 0,50 |
| 12                    |       |      |      |      |      |      |      |      | 0,40 | 0,40 | 0,40 |
| 14                    |       |      |      |      |      |      |      |      |      | 0,26 | 0,26 |
| 14,9                  |       |      |      |      |      |      |      |      |      |      | 0,22 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_RUNNER\_GANCIO\_J5

## SPX650 - JIB2000GX

| CRANE PERFORMANCE: J4 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,90 | 1,80 | 1,40 | 1,20 |
| 2                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,90 | 1,80 | 1,30 | 1,10 |
| 3                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,80 | 1,65 | 1,20 | 1,10 |
| 4                     |       | 2,00 | 2,00 | 2,00 | 2,00 | 2,00 | 1,80 | 1,80 | 1,65 | 1,20 | 1,10 |
| 5                     |       | 1,80 | 1,65 | 1,65 | 1,55 | 1,35 | 1,30 | 1,30 | 1,25 | 1,20 | 1,10 |
| 6                     |       |      | 1,25 | 1,20 | 1,20 | 1,10 | 1,10 | 1,10 | 1,00 | 0,90 | 0,90 |
| 7                     |       |      |      | 0,95 | 0,90 | 0,90 | 0,90 | 0,90 | 0,90 | 0,80 | 0,80 |
| 8                     |       |      |      |      | 0,75 | 0,75 | 0,75 | 0,70 | 0,70 | 0,70 | 0,65 |
| 9                     |       |      |      |      |      | 0,60 | 0,60 | 0,60 | 0,60 | 0,60 | 0,60 |
| 10                    |       |      |      |      |      |      | 0,48 | 0,48 | 0,48 | 0,48 | 0,48 |
| 11                    |       |      |      |      |      |      |      | 0,38 | 0,38 | 0,38 | 0,38 |
| 12                    |       |      |      |      |      |      |      |      | 0,30 | 0,30 | 0,30 |
| 14                    |       |      |      |      |      |      |      |      |      | 0,15 | 0,15 |
| 14,9                  |       |      |      |      |      |      |      |      |      |      | 0,12 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_RUNNER\_GANCIO\_J4

| CRANE PERFORMANCE: J3 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m) →               | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 1,90 | 1,70 | 1,60 | 1,50 | 1,20 | 1,10 |
| 2                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 1,70 | 1,50 | 1,50 | 1,40 | 1,10 | 1,00 |
| 3                     | 2,00  | 2,00 | 2,00 | 2,00 | 1,70 | 1,50 | 1,40 | 1,40 | 1,30 | 1,05 | 1,00 |
| 4                     |       | 1,50 | 1,45 | 1,45 | 1,40 | 1,35 | 1,30 | 1,25 | 1,20 | 1,00 | 0,90 |
| 5                     |       | 1,20 | 1,20 | 1,20 | 1,20 | 1,10 | 1,10 | 1,00 | 1,00 | 0,80 | 0,70 |
| 6                     |       |      | 0,85 | 0,85 | 0,85 | 0,85 | 0,80 | 0,80 | 0,80 | 0,70 | 0,60 |
| 7                     |       |      |      | 0,65 | 0,65 | 0,65 | 0,60 | 0,60 | 0,60 | 0,55 | 0,50 |
| 8                     |       |      |      |      | 0,50 | 0,50 | 0,50 | 0,50 | 0,50 | 0,40 | 0,40 |
| 9                     |       |      |      |      |      | 0,38 | 0,38 | 0,36 | 0,36 | 0,32 | 0,32 |
| 10                    |       |      |      |      |      |      | 0,30 | 0,30 | 0,30 | 0,25 | 0,25 |
| 11                    |       |      |      |      |      |      |      | 0,20 | 0,20 | 0,20 | 0,20 |
| 12                    |       |      |      |      |      |      |      |      | 0,12 | 0,12 | 0,12 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

LC650\_V101\_0321\_RUNNER\_GANCIO\_J3

## SPX650 - JIB2000GX

| CRANE PERFORMANCE: J2 |       |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|
| L (m)→                | 4,0   | 5,4  | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 14,4 | 15,4 |
| 1                     | 2,00  | 2,00 | 2,00 | 2,00 | 2,00 | 1,50 | 1,50 | 1,50 | 1,30 | 1,00 | 0,90 |
| 2                     | 2,00  | 2,00 | 1,50 | 1,20 | 1,20 | 1,20 | 1,20 | 1,20 | 1,00 | 0,90 | 0,80 |
| 3                     | 2,00  | 1,50 | 1,20 | 1,00 | 1,00 | 1,00 | 1,00 | 1,00 | 0,90 | 0,80 | 0,70 |
| 4                     |       | 1,00 | 0,95 | 0,90 | 0,80 | 0,80 | 0,80 | 0,70 | 0,70 | 0,55 | 0,50 |
| 5                     |       | 0,90 | 0,90 | 0,80 | 0,70 | 0,70 | 0,70 | 0,65 | 0,65 | 0,50 | 0,45 |
| 6                     |       |      | 0,70 | 0,70 | 0,65 | 0,65 | 0,60 | 0,60 | 0,50 | 0,40 | 0,30 |
| 7                     |       |      |      | 0,50 | 0,50 | 0,40 | 0,40 | 0,40 | 0,35 | 0,30 | 0,24 |
| 8                     |       |      |      |      | 0,38 | 0,38 | 0,30 | 0,30 | 0,30 | 0,22 | 0,18 |
| 9                     |       |      |      |      |      | 0,27 | 0,25 | 0,25 | 0,25 | 0,20 | 0,15 |
| 10                    |       |      |      |      |      |      | 0,15 | 0,15 | 0,15 | 0,12 | 0,12 |
| 11                    |       |      |      |      |      |      |      | 0,10 | 0,10 | 0,10 | 0,10 |
| ↑ R (m)               | [ton] |      |      |      |      |      |      |      |      |      |      |

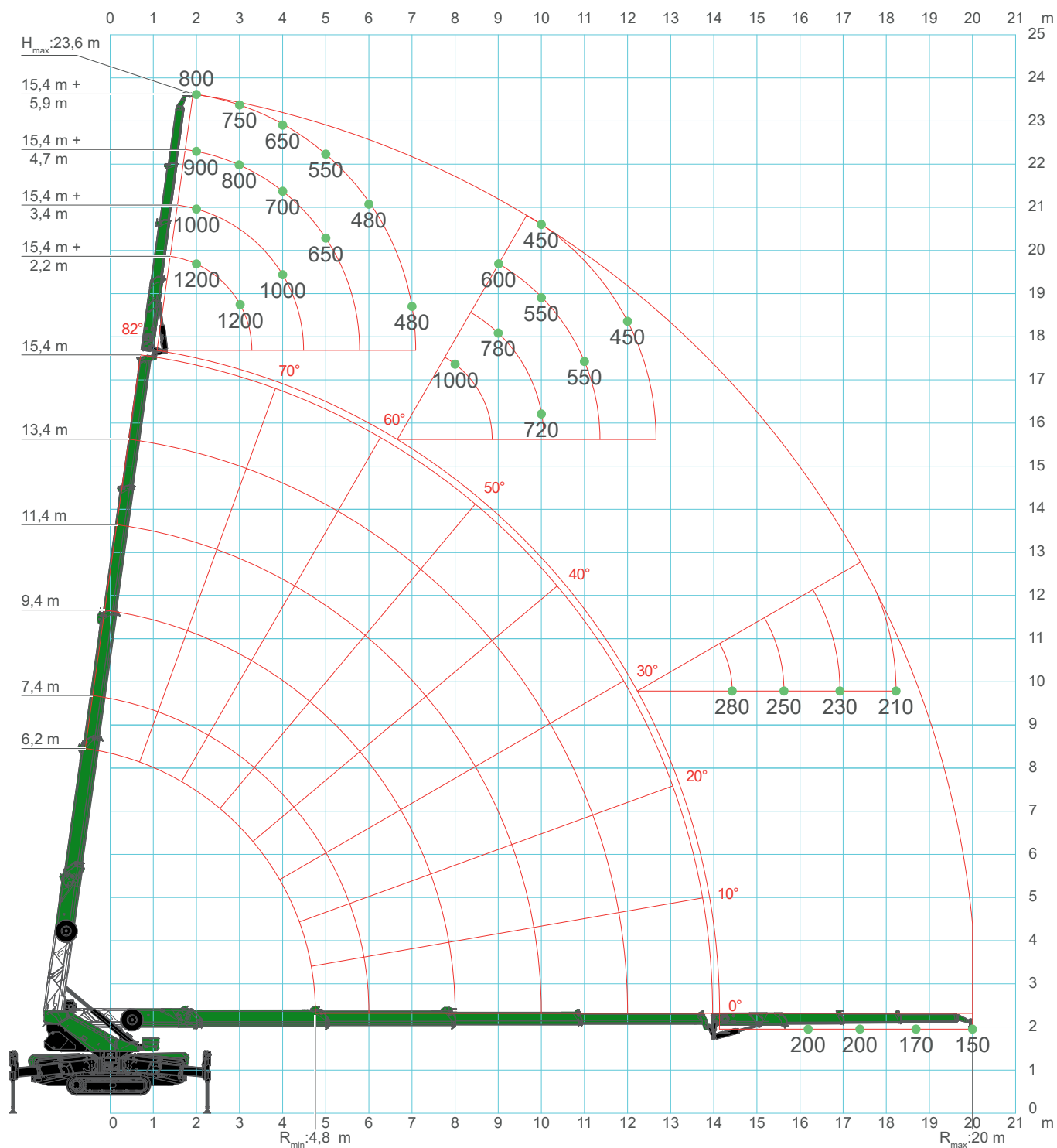
LC650\_V101\_0321\_RUNNER\_GANCIO\_J2

| CRANE PERFORMANCE: J1 (Pick & Carry) |       |      |      |
|--------------------------------------|-------|------|------|
| L (m)→                               | 4,0   | 4,4  | 5,4  |
| 1                                    | 0,80  | 0,80 | 0,60 |
| 2                                    | 0,70  | 0,70 | 0,60 |
| 3                                    | 0,60  | 0,55 | 0,50 |
| 4                                    |       | 0,32 | 0,30 |
| 5                                    |       |      | 0,15 |
| ↑ R (m)                              | [ton] |      |      |

LC650\_V101\_0321\_RUNNER\_GANCIO\_J1

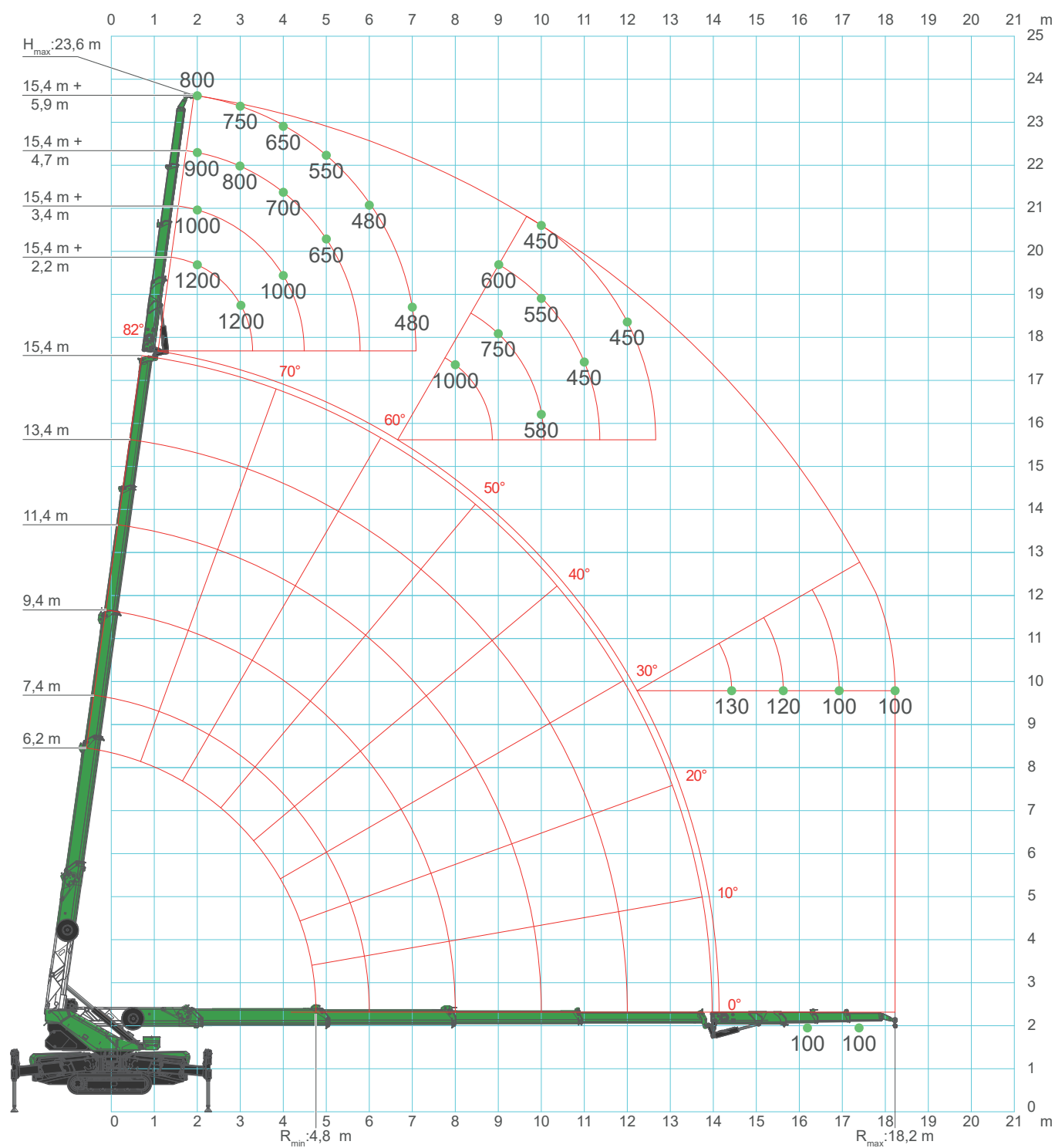
## SPX650 - JIB1200.3HX

J7



# SPX650 - JIB1200.3HX

J6



[kg]

## SPX650 - JIB1200.3HX

| CRANE PERFORMANCE        | d = 1,10m | d = 1,35m | d = 1,67m | d = 1,85m | d = 2,25m | d = 2,60m |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          |           |           |           |           |           | J7        |
|                          |           |           |           |           | J6        |           |
|                          |           |           |           | J5        |           |           |
|                          |           |           | J4        |           |           |           |
|                          |           |           |           |           |           |           |
|                          |           |           |           |           |           |           |
| J1 - PICK & CARRY        |           |           |           |           |           |           |
| J0 - No LIFTING CAPACITY |           |           |           |           |           |           |
| STABILITY AREA           |           |           |           |           |           |           |

|   |       |      |      |      | CRANE PERFORMANCE: J7 |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|------|-----------------------|--|--|--|--|
| L <sub>j</sub> (m) →                                                                                                                                                    | 2,2   | 3,4  | 4,7  | 5,9  |                       |  |  |  |  |
| 1                                                                                                                                                                       | 1,20  | 1,00 | 0,90 | 0,80 |                       |  |  |  |  |
| 2                                                                                                                                                                       | 1,20  | 1,00 | 0,90 | 0,80 |                       |  |  |  |  |
| 3                                                                                                                                                                       | 1,20  | 1,00 | 0,80 | 0,75 |                       |  |  |  |  |
| 4                                                                                                                                                                       | 1,20  | 1,00 | 0,70 | 0,65 |                       |  |  |  |  |
| 5                                                                                                                                                                       | 1,20  | 0,90 | 0,65 | 0,55 |                       |  |  |  |  |
| 6                                                                                                                                                                       | 1,20  | 0,80 | 0,60 | 0,48 |                       |  |  |  |  |
| 7                                                                                                                                                                       | 1,20  | 0,80 | 0,60 | 0,48 |                       |  |  |  |  |
| 8                                                                                                                                                                       | 1,00  | 0,80 | 0,60 | 0,48 |                       |  |  |  |  |
| 9                                                                                                                                                                       | 0,90  | 0,78 | 0,60 | 0,48 |                       |  |  |  |  |
| 10                                                                                                                                                                      | 0,80  | 0,72 | 0,55 | 0,45 |                       |  |  |  |  |
| 11                                                                                                                                                                      | 0,65  | 0,65 | 0,55 | 0,45 |                       |  |  |  |  |
| 12                                                                                                                                                                      | 0,58  | 0,55 | 0,45 | 0,45 |                       |  |  |  |  |
| 13                                                                                                                                                                      | 0,46  | 0,45 | 0,45 | 0,43 |                       |  |  |  |  |
| 14                                                                                                                                                                      | 0,36  | 0,40 | 0,40 | 0,40 |                       |  |  |  |  |
| 15                                                                                                                                                                      | 0,28  | 0,30 | 0,32 | 0,35 |                       |  |  |  |  |
| 16                                                                                                                                                                      | 0,20  | 0,25 | 0,28 | 0,31 |                       |  |  |  |  |
| 17                                                                                                                                                                      |       | 0,20 | 0,23 | 0,26 |                       |  |  |  |  |
| 18                                                                                                                                                                      |       |      | 0,18 | 0,21 |                       |  |  |  |  |
| 19                                                                                                                                                                      |       |      |      | 0,17 |                       |  |  |  |  |
| 20                                                                                                                                                                      |       |      |      | 0,15 |                       |  |  |  |  |
| ↑ R (m)                                                                                                                                                                 | [ton] |      |      |      |                       |  |  |  |  |



## SPX650 - JIB1200.3HX

|   <b>CRANE PERFORMANCE: J6</b> |       |      |      |      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|------|--|
| L <sub>j</sub> (m) →                                                                                                                                                                             | 2,2   | 3,4  | 4,7  | 5,9  |  |
| 1                                                                                                                                                                                                | 1,20  | 1,00 | 0,90 | 0,80 |  |
| 2                                                                                                                                                                                                | 1,20  | 1,00 | 0,90 | 0,80 |  |
| 3                                                                                                                                                                                                | 1,20  | 1,00 | 0,80 | 0,75 |  |
| 4                                                                                                                                                                                                | 1,20  | 1,00 | 0,70 | 0,65 |  |
| 5                                                                                                                                                                                                | 1,20  | 0,90 | 0,65 | 0,55 |  |
| 6                                                                                                                                                                                                | 1,20  | 0,80 | 0,60 | 0,48 |  |
| 7                                                                                                                                                                                                | 1,20  | 0,80 | 0,60 | 0,48 |  |
| 8                                                                                                                                                                                                | 1,00  | 0,80 | 0,60 | 0,48 |  |
| 9                                                                                                                                                                                                | 0,77  | 0,75 | 0,60 | 0,48 |  |
| 10                                                                                                                                                                                               | 0,58  | 0,58 | 0,55 | 0,45 |  |
| 11                                                                                                                                                                                               | 0,43  | 0,44 | 0,45 | 0,45 |  |
| 12                                                                                                                                                                                               | 0,36  | 0,40 | 0,42 | 0,45 |  |
| 13                                                                                                                                                                                               | 0,28  | 0,30 | 0,33 | 0,36 |  |
| 14                                                                                                                                                                                               | 0,20  | 0,23 | 0,25 | 0,28 |  |
| 15                                                                                                                                                                                               | 0,13  | 0,16 | 0,20 | 0,22 |  |
| 16                                                                                                                                                                                               |       | 0,12 | 0,15 | 0,18 |  |
| 17                                                                                                                                                                                               |       |      | 0,10 | 0,13 |  |
| 18                                                                                                                                                                                               |       |      |      | 0,10 |  |
| ↑ R (m)                                                                                                                                                                                          | [ton] |      |      |      |  |

LC650\_V101\_0321\_JIB1200\_3H\_GANCIO\_J6

## SPX650 - JIB1200.3HX

|   |       | CRANE PERFORMANCE: J5 |      |      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|------|------|--|
| L <sub>j</sub> (m) →                                                                                                                                                | 2,2   | 3,4                   | 4,7  | 5,9  |  |
| 1                                                                                                                                                                   | 1,20  | 1,00                  | 0,90 | 0,80 |  |
| 2                                                                                                                                                                   | 1,20  | 1,00                  | 0,90 | 0,80 |  |
| 3                                                                                                                                                                   | 1,20  | 1,00                  | 0,80 | 0,70 |  |
| 4                                                                                                                                                                   | 1,20  | 1,00                  | 0,60 | 0,55 |  |
| 5                                                                                                                                                                   | 1,20  | 0,90                  | 0,58 | 0,50 |  |
| 6                                                                                                                                                                   | 1,10  | 0,80                  | 0,55 | 0,42 |  |
| 7                                                                                                                                                                   | 0,80  | 0,80                  | 0,54 | 0,42 |  |
| 8                                                                                                                                                                   | 0,60  | 0,60                  | 0,52 | 0,40 |  |
| 9                                                                                                                                                                   | 0,47  | 0,47                  | 0,45 | 0,40 |  |
| 10                                                                                                                                                                  | 0,33  | 0,33                  | 0,33 | 0,33 |  |
| 11                                                                                                                                                                  | 0,22  | 0,22                  | 0,22 | 0,22 |  |
| 12                                                                                                                                                                  | 0,12  | 0,12                  | 0,12 | 0,12 |  |
| ↑ R(m)                                                                                                                                                              | [ton] |                       |      |      |  |

LC650\_V101\_0321\_JIB1200\_3H\_GANCIO\_J5

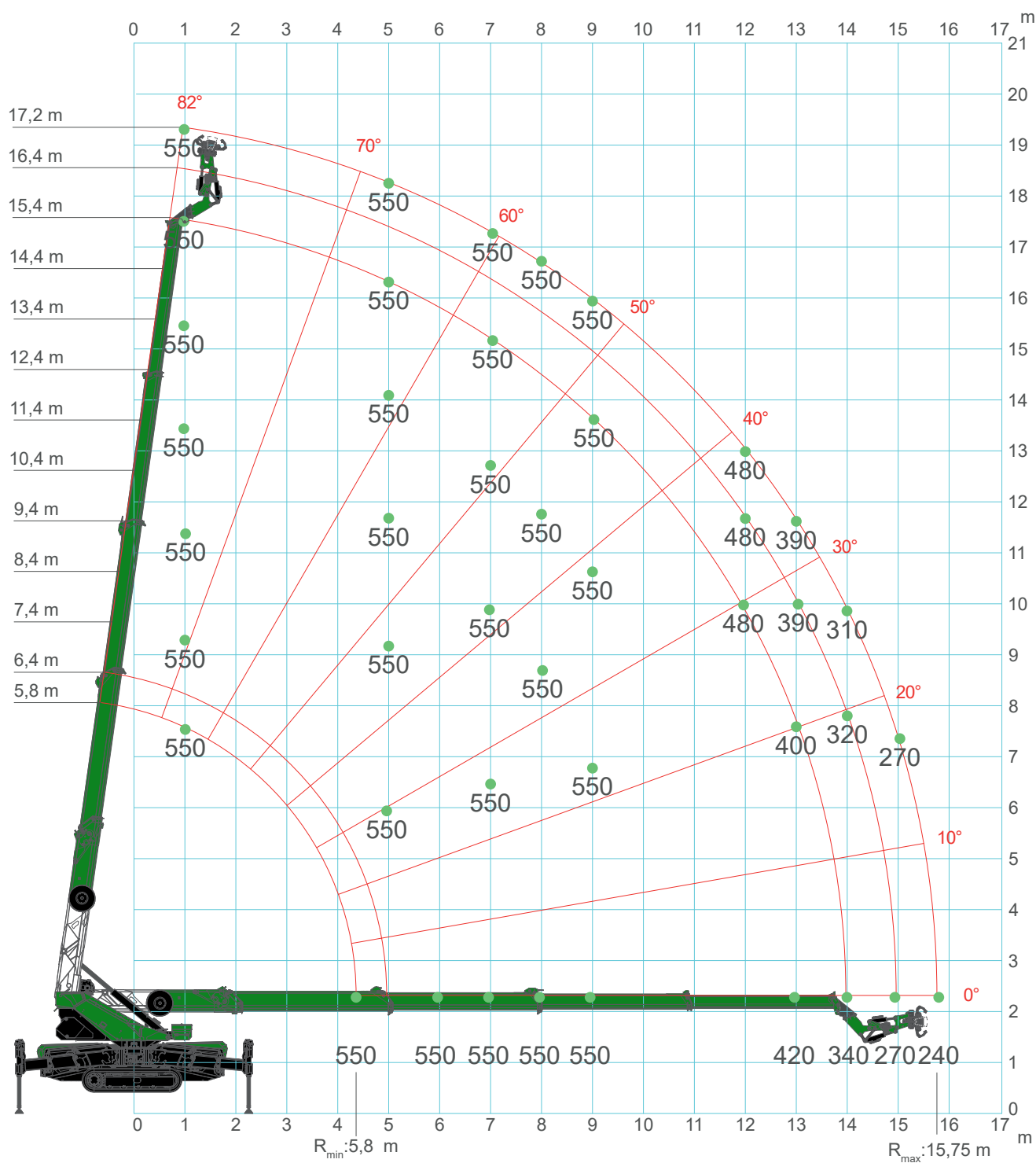
LC650\_V101\_0321\_JIB1200\_3H\_GANCIO\_J5

|  |       | CRANE PERFORMANCE: J4 |      |      |                                      |
|-------------------------------------------------------------------------------------|-------|-----------------------|------|------|--------------------------------------|
| L <sub>J</sub> (m) →                                                                | 2,2   | 3,4                   | 4,7  | 5,9  |                                      |
| 1                                                                                   | 1,20  | 1,00                  | 0,80 | 0,64 |                                      |
| 2                                                                                   | 1,20  | 1,00                  | 0,70 | 0,60 |                                      |
| 3                                                                                   | 1,20  | 1,00                  | 0,52 | 0,50 |                                      |
| 4                                                                                   | 1,20  | 1,00                  | 0,48 | 0,48 |                                      |
| 5                                                                                   | 1,00  | 0,90                  | 0,45 | 0,45 |                                      |
| 6                                                                                   | 0,85  | 0,80                  | 0,45 | 0,40 |                                      |
| 7                                                                                   | 0,60  | 0,60                  | 0,45 | 0,38 |                                      |
| 8                                                                                   | 0,47  | 0,45                  | 0,40 | 0,35 |                                      |
| 9                                                                                   | 0,32  | 0,32                  | 0,30 | 0,30 |                                      |
| 10                                                                                  | 0,20  | 0,20                  | 0,20 | 0,20 |                                      |
| 11                                                                                  | 0,10  | 0,10                  | 0,10 | 0,10 |                                      |
| ↑ R (m)                                                                             | [ton] |                       |      |      | LC650_V101_0321_JIB1200_3H_GANCIO_J4 |

LC650\_V101\_0321\_JIB1200\_3H\_GANCIO\_J4

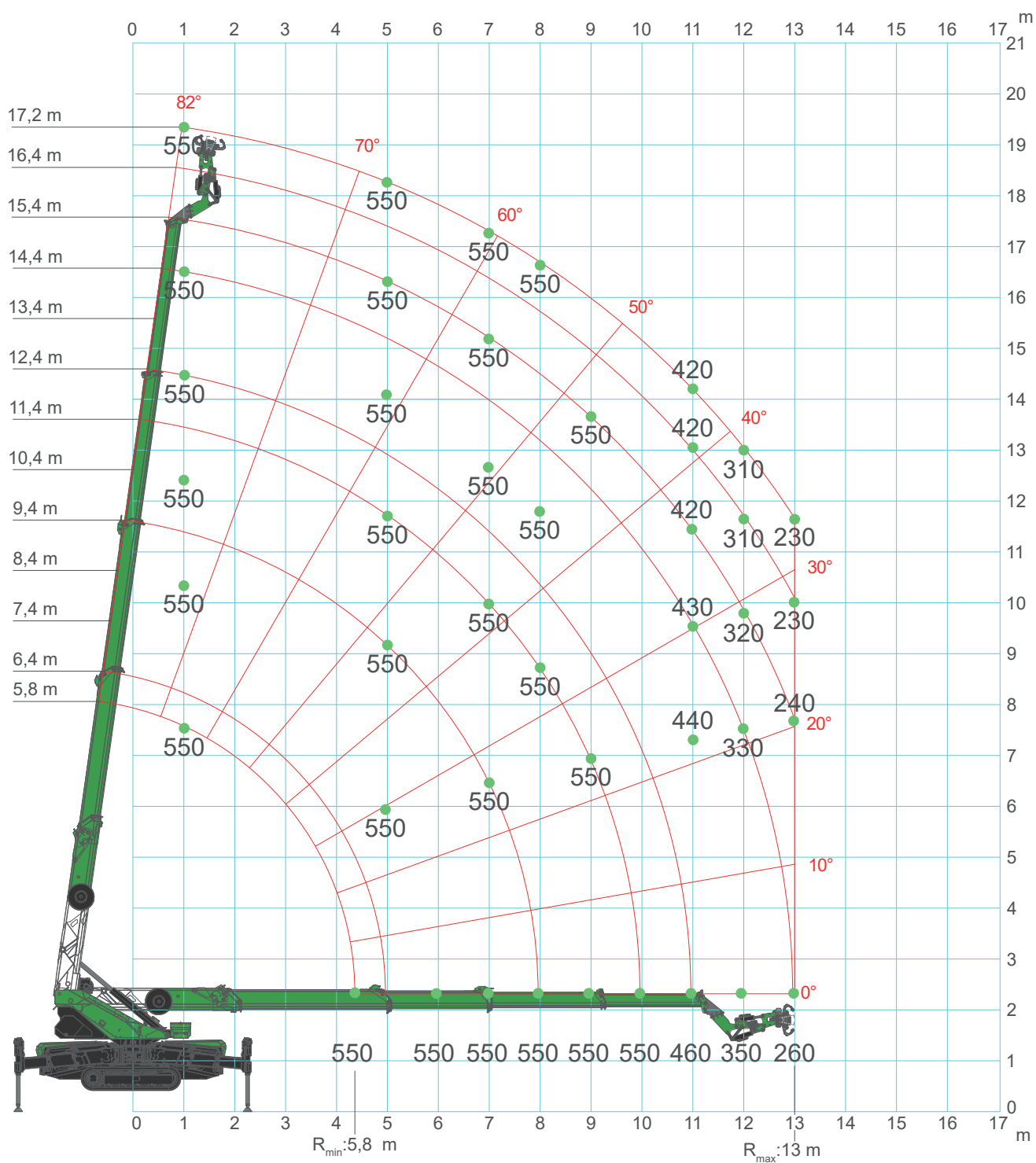
# SPX650 - JIB500GR

J7



## SPX650 - JIB500GR

J6



[kg]

## SPX650 - JIB500GR

| CRANE PERFORMANCE        | d = 1,10m | d = 1,35m | d = 1,67m | d = 1,85m | d = 2,25m | d = 2,60m |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                          |           |           |           |           |           | J7        |
|                          |           |           |           |           | J6        |           |
|                          |           |           |           | J5        |           |           |
|                          |           |           | J4        |           |           |           |
|                          |           | J3        |           |           |           |           |
|                          |           |           |           |           |           |           |
| J1 - PICK & CARRY        |           |           |           |           |           |           |
| J0 - No LIFTING CAPACITY |           |           |           |           |           |           |
| STABILITY AREA           |           |           |           |           |           |           |

| CRANE PERFORMANCE: J7 |       |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| L <sub>j</sub> (m)→   | 4,0   | 4,6  | 5,6  | 6,6  | 7,6  | 8,6  | 9,6  | 10,6 | 11,6 | 12,6 | 13,6 | 14,6 | 15,4 |
| L+L <sub>j</sub> (m)→ | 5,8   | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,2 |
| 1                     | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 5                     | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 6                     |       |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 7                     |       |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 8                     |       |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 9                     |       |      |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 10                    |       |      |      |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 11                    |       |      |      |      |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 12                    |       |      |      |      |      |      |      |      | 0,55 | 0,55 | 0,48 | 0,48 | 0,48 |
| 13                    |       |      |      |      |      |      |      |      |      | 0,42 | 0,40 | 0,39 | 0,39 |
| 14                    |       |      |      |      |      |      |      |      |      |      | 0,34 | 0,32 | 0,31 |
| 15                    |       |      |      |      |      |      |      |      |      |      |      | 0,27 | 0,27 |
| 15,75                 |       |      |      |      |      |      |      |      |      |      |      |      | 0,24 |
| ↑ R(m)                | [ton] |      |      |      |      |      |      |      |      |      |      |      |      |

## SPX650 - JIB500GR

| CRANE PERFORMANCE: J6  |       |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| L <sub>j</sub> (m) →   | 4,0   | 4,6  | 5,6  | 6,6  | 7,6  | 8,6  | 9,6  | 10,6 | 11,6 | 12,6 | 13,6 | 14,6 | 15,4 |
| L+L <sub>j</sub> (m) → | 5,8   | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,2 |
| 1                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,80 | 0,55 | 0,55 | 0,55 |
| 5                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,80 | 0,55 | 0,55 | 0,55 |
| 6                      |       |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 7                      |       |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 8                      |       |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 9                      |       |      |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 10                     |       |      |      |      |      |      | 0,55 | 0,55 | 0,55 | 0,48 | 0,48 | 0,48 | 0,48 |
| 11                     |       |      |      |      |      |      |      | 0,46 | 0,44 | 0,43 | 0,42 | 0,42 | 0,42 |
| 12                     |       |      |      |      |      |      |      |      | 0,35 | 0,33 | 0,32 | 0,31 | 0,31 |
| 13                     |       |      |      |      |      |      |      |      |      | 0,26 | 0,24 | 0,23 | 0,23 |
| ↑ R (m)                | [ton] |      |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V104\_0222\_JIB500GR\_3H\_GANCIO\_J6

| CRANE PERFORMANCE: J5  |       |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| L <sub>j</sub> (m) →   | 4,0   | 4,6  | 5,6  | 6,6  | 7,6  | 8,6  | 9,6  | 10,6 | 11,6 | 12,6 | 13,6 | 14,6 | 15,4 |
| L+L <sub>j</sub> (m) → | 5,8   | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,2 |
| 1                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 5                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 6                      |       |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 7                      |       |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 8                      |       |      |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,50 |
| 9                      |       |      |      |      |      | 0,55 | 0,55 | 0,49 | 0,48 | 0,48 | 0,48 | 0,47 | 0,46 |
| 10                     |       |      |      |      |      |      | 0,39 | 0,37 | 0,35 | 0,35 | 0,34 | 0,34 | 0,34 |
| 11                     |       |      |      |      |      |      |      | 0,28 | 0,26 | 0,24 | 0,24 | 0,24 | 0,24 |
| ↑ R (m)                | [ton] |      |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V104\_0222\_JIB500GR\_3H\_GANCIO\_J5

## SPX650 - JIB500GR

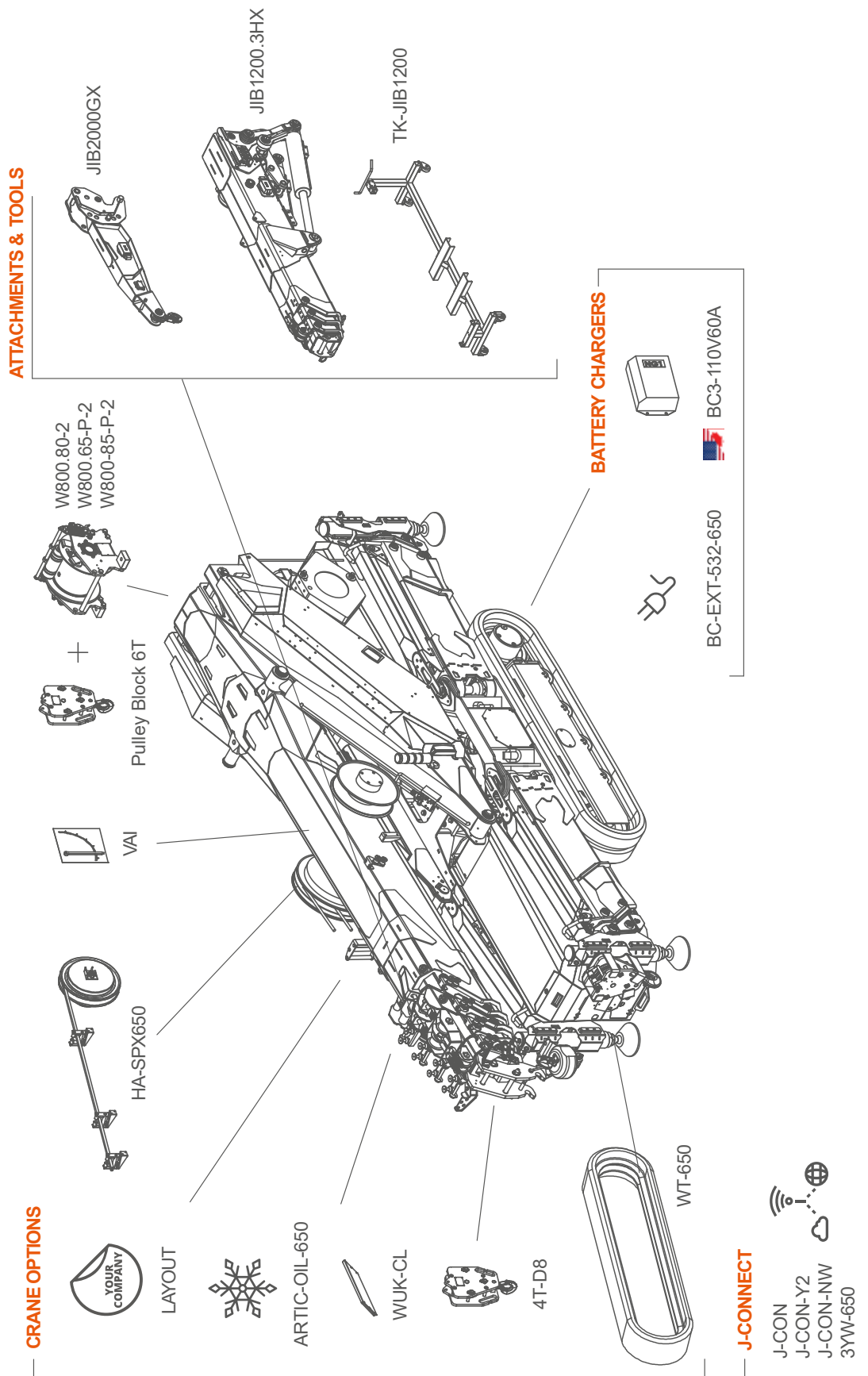
| CRANE PERFORMANCE: J4  |       |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| L <sub>j</sub> (m) →   | 4,0   | 4,6  | 5,6  | 6,6  | 7,6  | 8,6  | 9,6  | 10,6 | 11,6 | 12,6 | 13,6 | 14,6 | 15,4 |
| L+L <sub>j</sub> (m) → | 5,8   | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 11,4 | 12,4 | 13,4 | 14,4 | 15,4 | 16,4 | 17,2 |
| 1                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 5                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 6                      |       |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 7                      |       |      |      | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 8                      |       |      |      |      | 0,55 | 0,55 | 0,55 | 0,49 | 0,49 | 0,49 | 0,47 | 0,45 | 0,44 |
| 9                      |       |      |      |      |      | 0,39 | 0,37 | 0,35 | 0,34 | 0,34 | 0,34 | 0,32 | 0,31 |
| 10                     |       |      |      |      |      |      | 0,27 | 0,25 | 0,23 | 0,23 | 0,22 | 0,22 | 0,22 |
| ↑ R (m)                | [ton] |      |      |      |      |      |      |      |      |      |      |      |      |

LC650\_V104\_0222\_JIB500GR\_3H\_GANCIO\_J4

| CRANE PERFORMANCE: J3  |       |      |      |      |      |      |      |
|------------------------|-------|------|------|------|------|------|------|
| L <sub>j</sub> (m) →   | 4,0   | 4,6  | 5,6  | 6,6  | 7,6  | 8,6  | 9    |
| L+L <sub>j</sub> (m) → | 5,8   | 6,4  | 7,4  | 8,4  | 9,4  | 10,4 | 10,8 |
| 1                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 4                      | 0,55  | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 5                      |       | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 | 0,55 |
| 6                      |       |      | 0,47 | 0,47 | 0,47 | 0,47 | 0,47 |
| 7                      |       |      |      | 0,47 | 0,45 | 0,45 | 0,45 |
| 8                      |       |      |      |      | 0,34 | 0,31 | 0,29 |
| 9                      |       |      |      |      |      | 0,21 | 0,20 |
| ↑ R (m)                | [ton] |      |      |      |      |      |      |

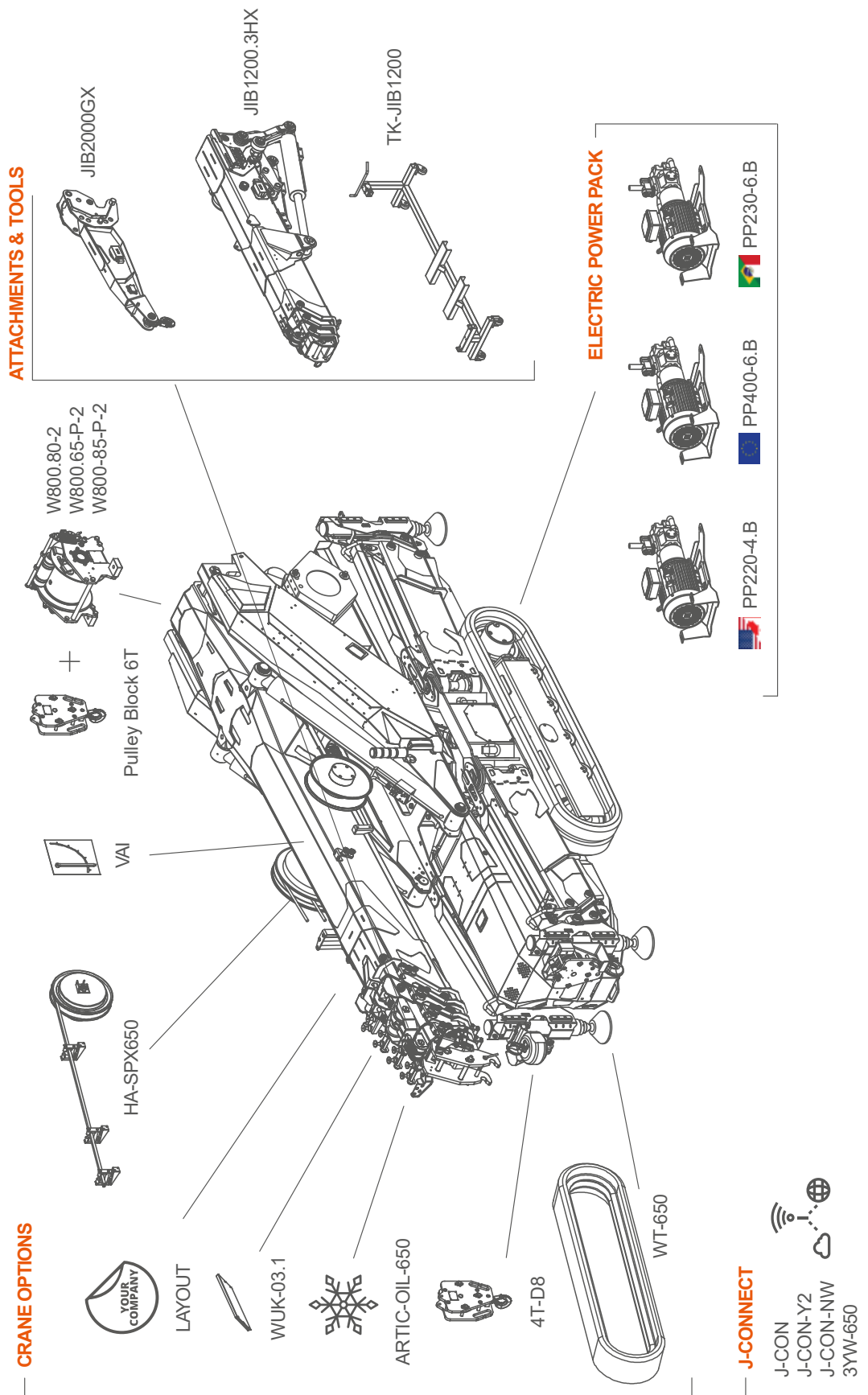
LC650\_V104\_0222\_JIB500GR\_3H\_GANCIO\_J3

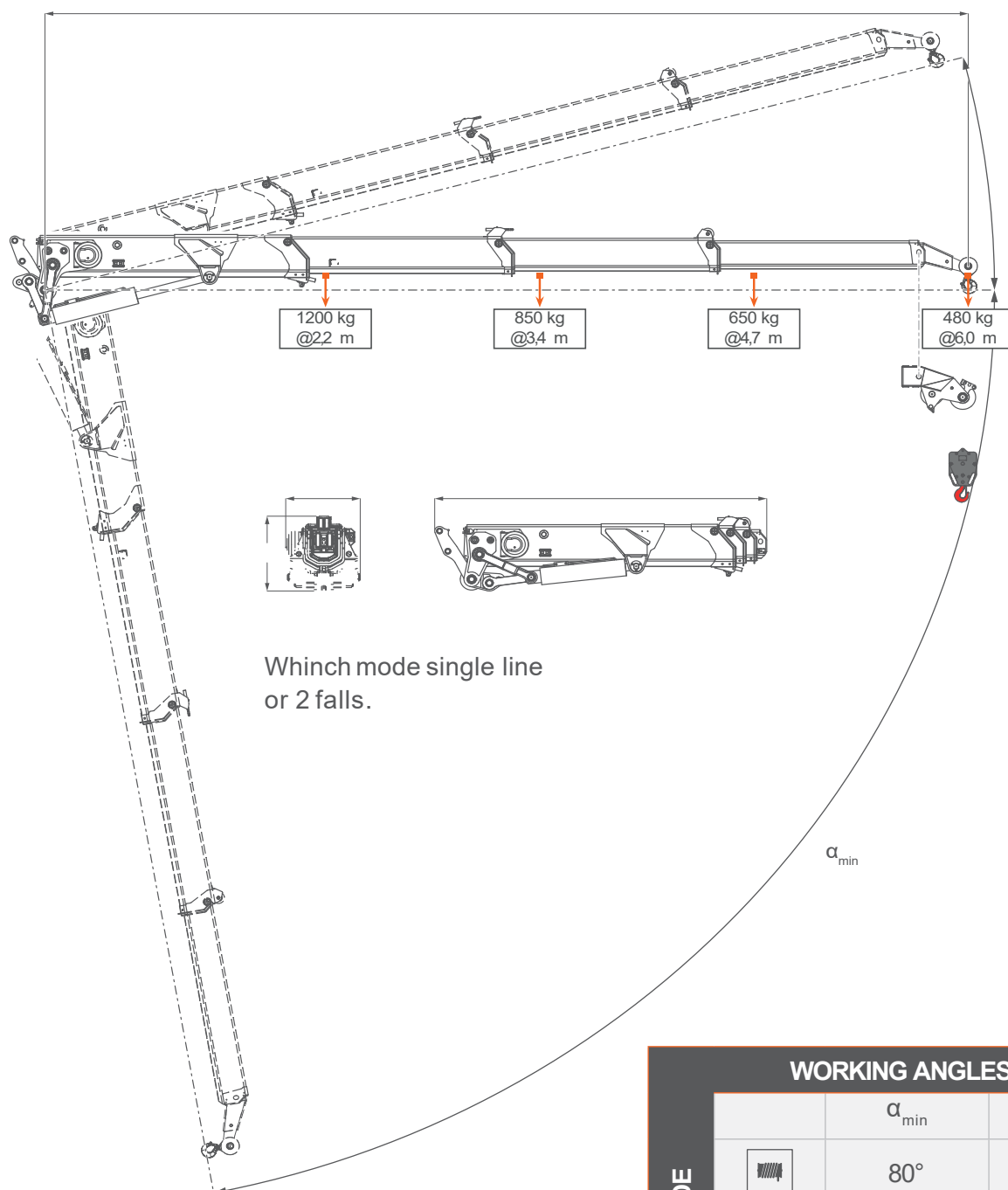
## ACCESSORIES SPX650CL-2





## ACCESSORIES SPX650CDH





| WORKING ANGLES |                  |                               |
|----------------|------------------|-------------------------------|
| MODE           |                  |                               |
|                | α <sub>min</sub> | α <sub>Max</sub> <sup>*</sup> |
|                | 80°              | -5°                           |
|                | 80°              | -15°                          |

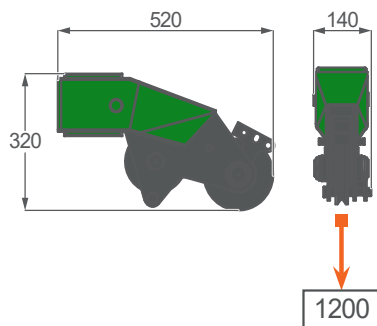
\*: α<sub>Max</sub> is intended relative to boom angle.

|  |     |             |    |     |
|--|-----|-------------|----|-----|
|  | JIB | JIB1200.3HX | kg | 410 |
|--|-----|-------------|----|-----|

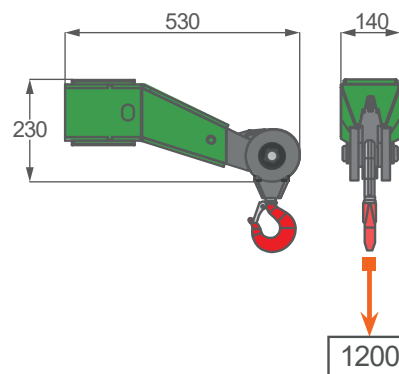
[mm]

## ACCESSORIES FEATURES

### JIB TILTING PULLEY HEAD

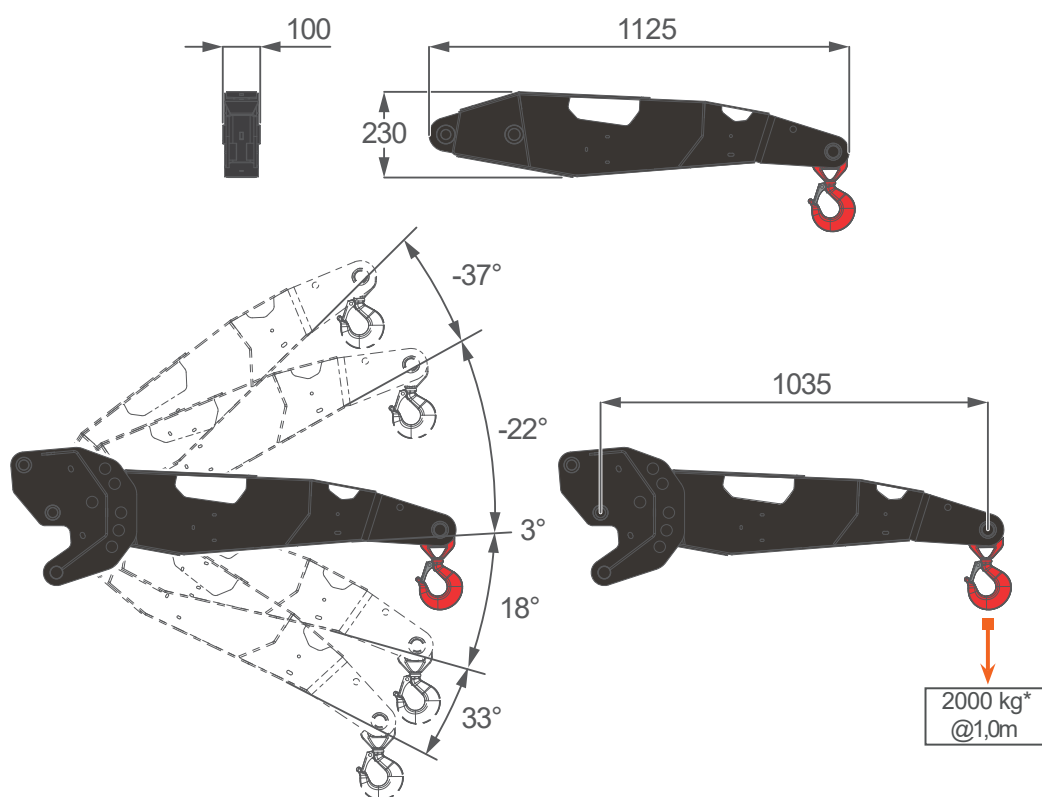


### JIB HOOK HEAD



|                                                                                   |     |                         |    |    |
|-----------------------------------------------------------------------------------|-----|-------------------------|----|----|
|  | JIB | JIB Tilting Pulley Head | kg | 18 |
|  | JIB | JIB Hook Head           | kg | 14 |

## JIB2000GX



|                                                                                     |     |            |    |    |
|-------------------------------------------------------------------------------------|-----|------------|----|----|
|  | JIB | JIB2000.GX | kg | 40 |
|-------------------------------------------------------------------------------------|-----|------------|----|----|

## SYMBOLS

|                                                                                   |                    |                                                                                   |                 |                                                                                   |                 |                                                                                     |                          |
|-----------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------|--------------------------|
|  | Weight             |  | Engine          |  | Boom Angle      |  | Hydraulic Oil            |
|  | Counterweight      |  | Main Winch      |  | Boom Length     |  | Back Wheel Loading Point |
|  | Crane              |  | Slewing         |  | Outriggers Mats |  | Outriggers Setup         |
|  | Dimensions         |  | Track Loading   |  | Outrigger Load  |  | Toolbox                  |
|  | Stabilization Area |  | Electric Engine |  | Jib             |                                                                                     |                          |

### REMARKS REFERRING TO LOADCHART

- The load charts are calculated according to EN 13000.
- For the calculation of the load charts at least a wind speed of 9m/s (33km/h) and regarding the load a sail area of 1m² per ton load and a wind resistance coefficient of 1.2 on the load have been taken into account. For lifting of loads with large sail areas and/or high wind resistance coefficients the maximum wind speed as stated in the load charts has to be reduced.
- Lifting capacities are given in kilograms.
- The weight of the hook blocks and hooks is part of the load and therefore it must be deducted from the lifting capacities.
- Working radii are measured from the slewing centre.
- The lifting capacities given for the telescopic boom apply if the folding jib is removed.
- Subject to modification of lifting capacities.