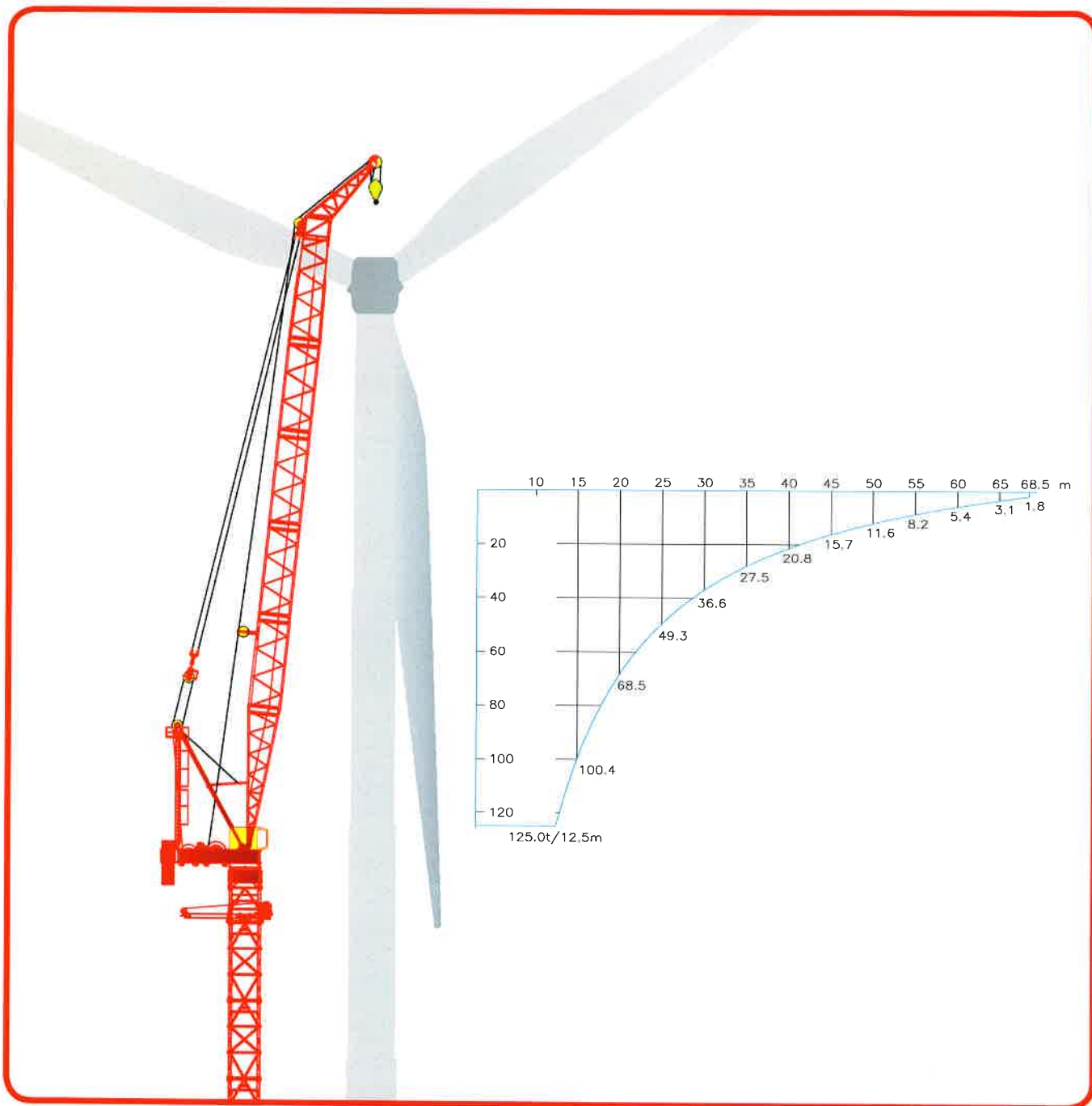




**KRØLL CRANES**



**F.E.M 1.001-HC1/A3/E3**



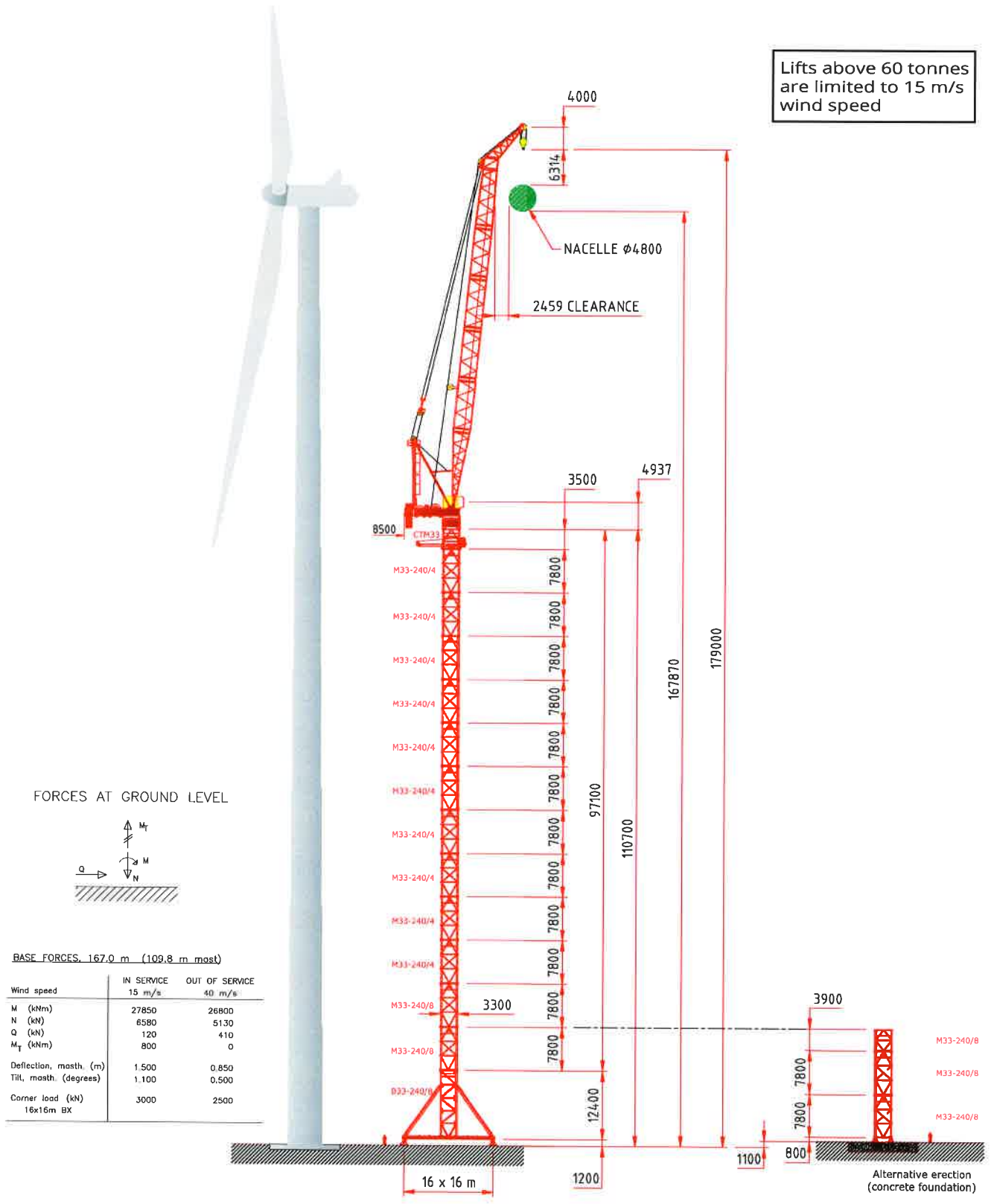
**LUFFING BOOM  
TOWER CRANE**

**K1500L**

**125 tonnes Max**




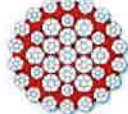


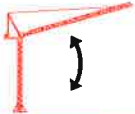



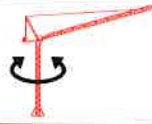


# ERECTED DIMENSIONS

Lifts above 60 tonnes are limited to 15 m/s wind speed



# LOAD CHARTS

| Radius | Boom Length |         |
|--------|-------------|---------|
|        | 69.0 m      |         |
|        | Boom Angle  | 4 parts |
| [m]    | [Degrees]   | [Kg]    |
| 10.1   | 86.0        | 125,000 |
| 12.5   | 84.0        | 125,000 |
| 15.0   | 81.9        | 100,400 |
| 17.5   | 79.8        | 82,100  |
| 20.0   | 77.6        | 68,500  |
| 22.5   | 75.3        | 57,800  |
| 25.0   | 73.3        | 49,300  |
| 27.5   | 71.0        | 42,400  |
| 30.0   | 68.8        | 36,600  |
| 32.5   | 66.5        | 31,700  |
| 35.0   | 64.1        | 27,500  |
| 37.5   | 61.7        | 23,900  |
| 40.0   | 59.2        | 20,800  |
| 42.5   | 56.6        | 18,100  |
| 45.0   | 54.0        | 15,700  |
| 47.5   | 51.2        | 13,500  |
| 50.0   | 48.3        | 11,600  |
| 52.5   | 45.3        | 9,800   |
| 55.0   | 42.0        | 8,200   |
| 57.5   | 38.5        | 6,700   |
| 60.0   | 34.7        | 5,400   |
| 62.5   | 30.5        | 4,200   |
| 65.0   | 25.4        | 3,100   |
| 67.5   | 18.6        | 2,200   |
| 68.5   | 15.0        | 1,800   |

|   |   |               |  |   |  |
|---|---|---------------|--|---|--|
| <b>HOIST WINCH</b><br><br><b>MOTOR</b><br>154 kW                                    | <b>4-PARTS</b><br><br> |               |    | <b>HOIST DRUM</b><br><br><b>CAPACITY</b><br>720 m / 7 layers  |  |
|   |                        | Load          |  | Max. Speed  |  |
| 0 - 10 t  |   | 22 m/min      | Diameter   | 40 mm   |  |
| 10 - 60 t   | 12 m/min  | Safety Factor | 4.6  |   |  |
| 60 - 125 t  | 6 m/min   | MBL           | 1560 kN  |   |  |
|    | <b>LUFFING WINCH</b><br><br><b>MOTOR</b><br>90 kW   |               |    | <b>LUFFING DRUM</b><br><br><b>CAPACITY</b><br>242 m / 5 Layer |  |
|   | <b>LUFFING SPEEDS</b>   |               |  | <b>LUFFING WIRE</b>   |  |
|  | Average   | 4:00 min      | Diameter   | 32 mm   |  |
|   |   |               |  | Safety Factor   | 4.7  |
|   |   |               | MBL  | 930 kN  |  |
|  | <b>CT33 CLIMBER</b>   |               |  | <b>SLEW DRIVE</b><br><br><b>Motor</b><br>2 x 11 kW            |  |
|   | <b>CLIMBING SPEEDS</b>  |               |  | <b>SLEW SPEEDS</b>  |  |
|  | 1 tower section up or down  | 1:00 hr       |  | 0 - 35 m  | 0 - 0.5 rpm  |
|   |   |               |  |   |  |
|  | <b>POWER SUPPLY</b><br>400 - 480 V, 50/60 Hz  |               |  | <b>SUPPLY CABLE</b>   |  |
|   | Consumption   | 320 kVA       |  | Cable Length  | Cable Type   |
| Main Fuse   | 400 A   |               | 0 - 120 m  | 4 x 185 mm <sup>2</sup>                                       |  |
| Recommended Generator Size  | 400 kVA   |               |  |   |  |

All motion controls are completely stepless ensuring smooth and jerk-free operation.  
Creeping speed down to 0.5% of maximum speed.

All specifications shown in the tables are for the standard version of K1500L. For special requirements regarding load charts or drive speeds, please contact Krøll Cranes A/S.

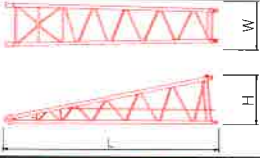
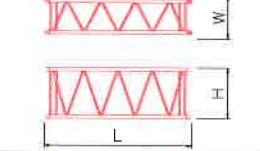
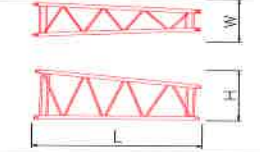
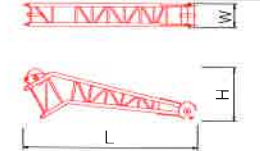
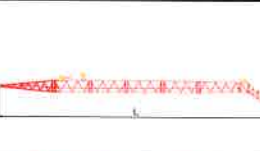
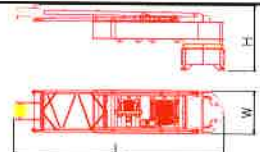
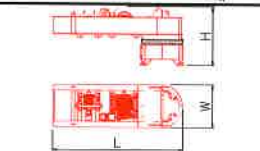
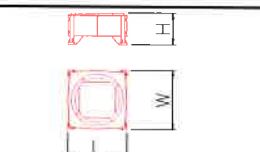
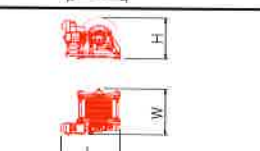
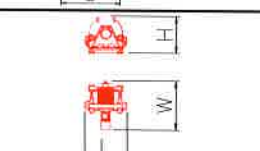
F.E.M 1.001-HC1/A3/E3

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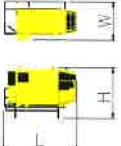
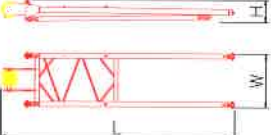
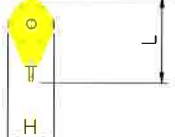
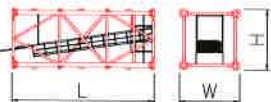
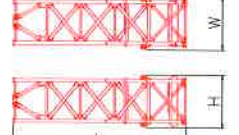
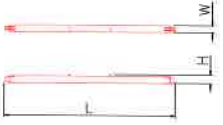


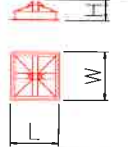
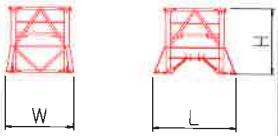
All data is subject to alteration.

# WEIGHTS & DIMENSIONS

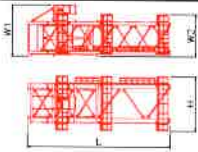
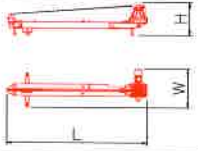

| Component   | Weight                             | Transportation Dimensions |        |        |
|---|------------------------------------|---------------------------|--------|--------|
|   |                                    | Length                    | Width  | Height |
|  <p>Boom Bottom Section</p>  | 6,500 kg                           | 14.3 m                    | 3.2 m  | 3.3 m  |
|  <p>Boom Extension Section - 4 pcs</p>                                 | 4,000 kg                           | 9.4 m                     | 2.8 m  | 3.2 m  |
|  <p>Boom Top Section</p>   | 5,000 kg                           | 11.0 m                    | 2.8 m  | 3.25 m |
|  <p>Boom Tip Section</p>  | 5,000 kg                           | 10.75 m                   | 1.45 m | 3.3 m  |
|  <p>Boom Assembly c/w Pendants</p>                                   | 32,500 kg                          | 70.1 m                    |        |        |
|  <p>Assembly Option 1<br/>Deck, Slew Mount,<br/>Mast and Winches</p> | 90,000 kg                          | 14.7 m                    | 3.3 m  | 5.0 m  |
|  <p>Assembly Option 2<br/>Deck, Slew Mount and<br/>Winches</p>       | 75,000 kg                          | 9.95 m                    | 3.3 m  | 4.5 m  |
|  <p>Slew Mount</p>   | 9,500 kg                           | 3.3 m                     | 3.3 m  | 1.72 m |
|  <p>Hoist Winch<br/>+ 800m Hoist Rope<br/>Total</p>                  | 11,500 kg<br>6,400 kg<br>17,900 kg | 3.97 m                    | 3.15 m | 2.76 m |
|  <p>Luffing Winch<br/>+ 200m Luffing Rope<br/>Total</p>              | 5,000 kg<br>1,000 kg<br>6,000 kg   | 2.4 m                     | 2.05 m | 1.8 m  |



# WEIGHTS & DIMENSIONS

| Component   | Transportation Dimensions |         |         |         |
|---|---------------------------|---------|---------|---------|
|   | Weight                    | Length  | Width   | Height  |
|  <p>Operator's Cabin Assembly</p>                        | 3,100 kg                  | 4.6 m   | 2.395 m | 3.15 m  |
|  <p>Mast Assembly incl. access ladder &amp; platform</p> | 13,700 kg                 | 12.8 m  | 3.21 m  | 1.35 m  |
|  <p>Hook Block</p>                                       | 3,500 kg                  | 2.4 m   | 1.25 m  | 0.7 m   |
|  <p>M33 Tower Assembly</p>                              | 15,000 kg                 | 7.8 m   | 3.3 m   | 3.3 m   |
|  <p>B33 Bottom Mast</p>                                | 22,000 kg                 | 11.9 m  | 3.67 m  | 3.67 m  |
|  <p>B33 Support Legs - 4 pcs</p>                       | 3,000 kg                  | 12.43 m | 0.508 m | 0.630 m |
|  <p>Bottom Cross Beams - 4 pcs</p>                     | 3,000 kg                  | 11.07 m | 0.9 m   | 0.9 m   |
|  <p>Bottom Cross Side Beams - 2 pcs</p>                | 700 kg                    | 15.41 m | 0.415 m | 0.19 m  |
|  <p>Pyramid Base - 4 pcs</p>                           | 3,000 kg                  | 2.3 m   | 2.3 m   | 1.0 m   |
|  <p>CTM33 Climbing Frame</p>                           | 10,000 kg                 | 4.4 m   | 3.62 m  | 3.5 m   |

# WEIGHTS & DIMENSIONS

| Component   |                        | Transportation Dimensions |         |                            |        |
|---|------------------------|---------------------------|---------|----------------------------|--------|
|   |                        | Weight                    | Length  | Width                      | Height |
|  | CT33 Climbing System   | 33,000 kg                 | 16.15 m | W1 = 5.76 m<br>W2 = 4.74 m | 6.23 m |
|  | Erection Beam & Winch  | 6,000 kg                  | 9.1 m   | 2.32 m                     | 2.2 m  |
|  | Counterweight - 11 pcs | 9,100 kg                  | 5.04 m  | 3.06 m                     | 0.1 m  |

## NOTES