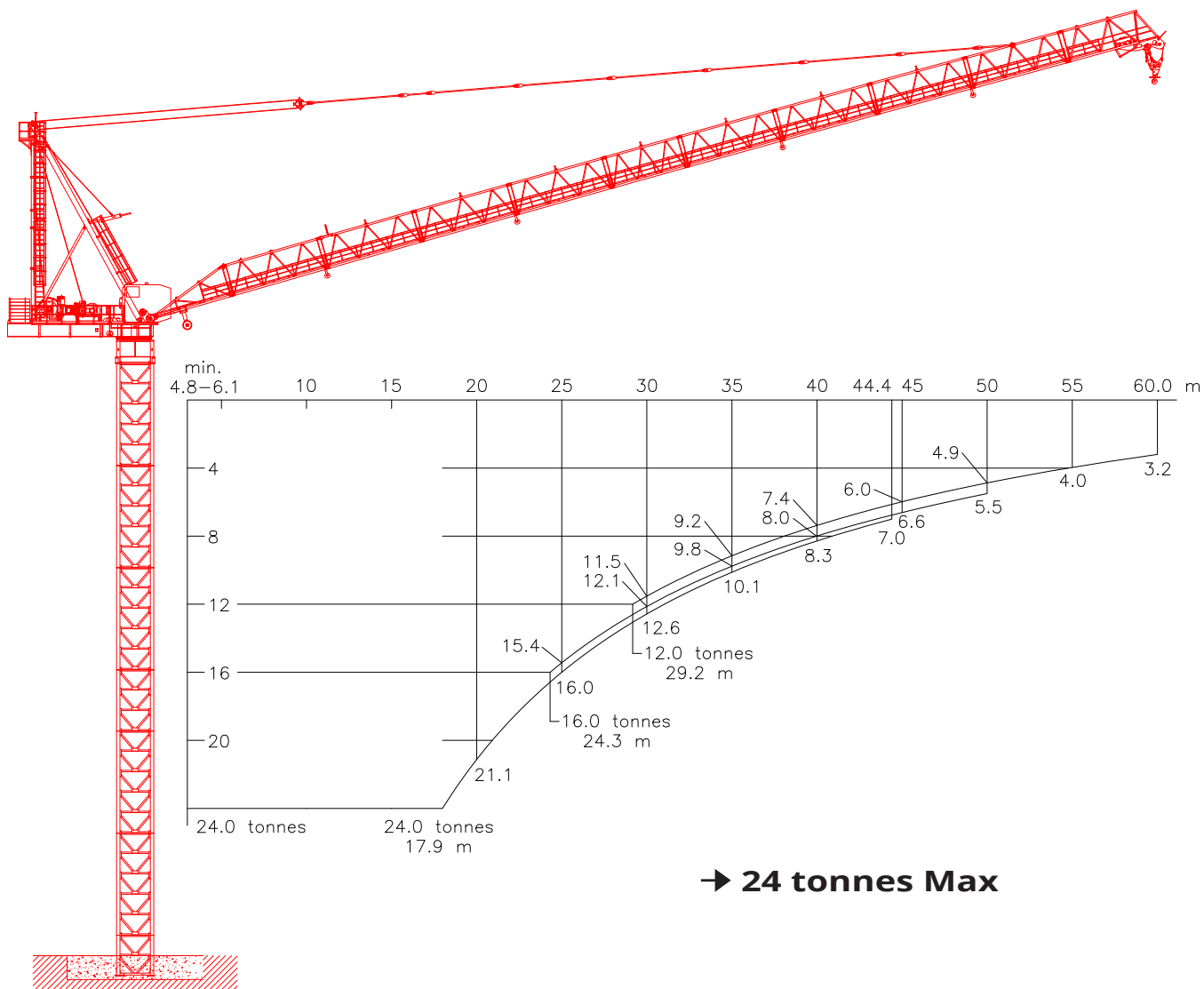




# KRØLL CRANES



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



**LUFFING  
BOOM  
TOWER CRANE**

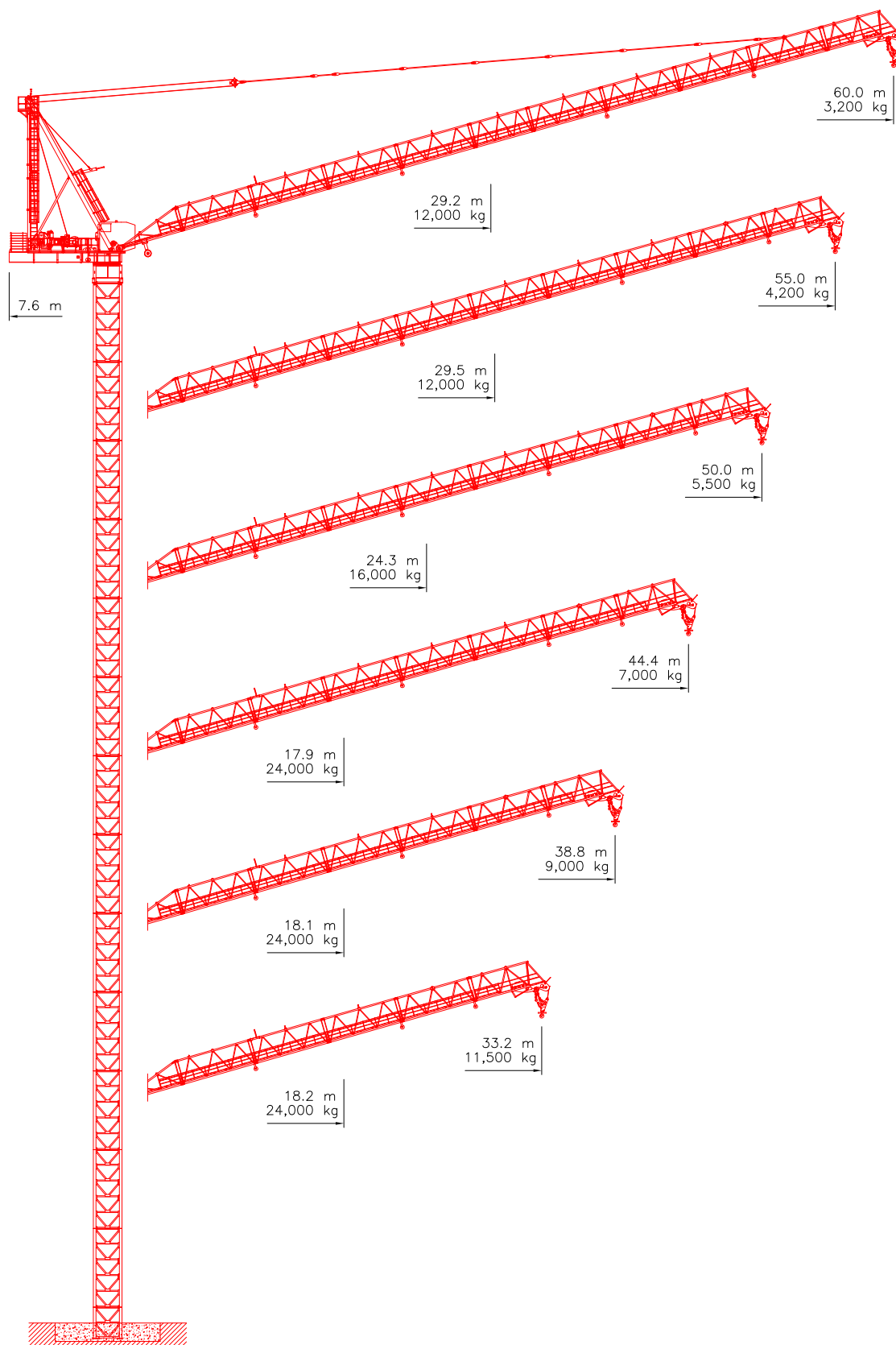
# K435L

**24 tonnes Max**



KRØLL CRANES

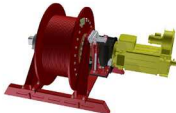
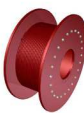
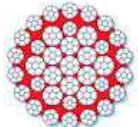
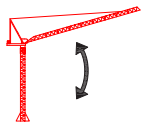
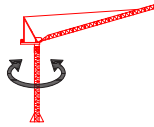
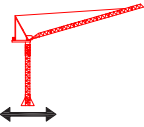
# JIB CONFIGURATIONS

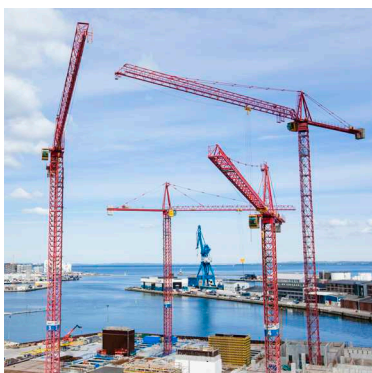




# LOAD CHARTS

| Radius | Boom Length |        |         |        |         |        |         |         |        |         |         |        |         |         |        |
|--------|-------------|--------|---------|--------|---------|--------|---------|---------|--------|---------|---------|--------|---------|---------|--------|
|        | 60.0 m      |        | 55.0 m  |        | 50.0 m  |        | 44.4 m  |         |        | 38.8 m  |         |        | 33.2 m  |         |        |
|        | 2 parts     | 1 part | 2 parts | 1 part | 2 parts | 1 part | 3 parts | 2 parts | 1 part | 3 parts | 2 parts | 1 part | 3 parts | 2 parts | 1 part |
| [m]    | [kg]        | [kg]   | [kg]    | [kg]   | [kg]    | [kg]   | [kg]    | [kg]    | [kg]   | [kg]    | [kg]    | [kg]   | [kg]    | [kg]    | [kg]   |
| 15.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  |
| 16.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  |
| 17.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  |
| 18.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 23,990  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  | 24,000  | 16,000  | 8,000  |
| 19.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 22,490  | 16,000  | 8,000  | 22,710  | 16,000  | 8,000  | 22,870  | 16,000  | 8,000  |
| 20.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 21,140  | 16,000  | 8,000  | 21,370  | 16,000  | 8,000  | 21,540  | 16,000  | 8,000  |
| 21.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 19,910  | 16,000  | 8,000  | 20,150  | 16,000  | 8,000  | 20,340  | 16,000  | 8,000  |
| 22.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 18,800  | 16,000  | 8,000  | 19,050  | 16,000  | 8,000  | 19,250  | 16,000  | 8,000  |
| 23.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 17,790  | 16,000  | 8,000  | 18,040  | 16,000  | 8,000  | 18,250  | 16,000  | 8,000  |
| 24.0   | 12,000      | 8,000  | 12,000  | 8,000  | 16,000  | 8,000  | 16,850  | 16,000  | 8,000  | 17,120  | 16,000  | 8,000  | 17,340  | 16,000  | 8,000  |
| 25.0   | 12,000      | 8,000  | 12,000  | 8,000  | 15,440  | 8,000  | 16,000  | 16,000  | 8,000  | 16,270  | 16,000  | 8,000  | 16,500  | 16,000  | 8,000  |
| 26.0   | 12,000      | 8,000  | 12,000  | 8,000  | 14,680  | 8,000  | 15,210  | 15,210  | 8,000  | 15,480  | 15,480  | 8,000  | 15,720  | 15,720  | 8,000  |
| 27.0   | 12,000      | 8,000  | 12,000  | 8,000  | 13,970  | 8,000  | 14,470  | 14,470  | 8,000  | 14,750  | 14,750  | 8,000  | 15,000  | 15,000  | 8,000  |
| 27.6   | 12,000      | 8,000  | 12,000  | 8,000  | 13,570  | 8,000  | 14,060  | 14,060  | 8,000  | 14,340  | 14,340  | 8,000  | 14,590  | 14,590  | 8,000  |
| 28.0   | 12,000      | 8,000  | 12,000  | 8,000  | 13,310  | 8,000  | 13,790  | 13,790  | 8,000  | 14,080  | 14,080  | 8,000  | 14,330  | 14,330  | 8,000  |
| 29.0   | 12,000      | 8,000  | 12,000  | 8,000  | 12,700  | 8,000  | 13,160  | 13,160  | 8,000  | 13,450  | 13,450  | 8,000  | 13,710  | 13,710  | 8,000  |
| 30.0   | 11,530      | 8,000  | 11,720  | 8,000  | 12,130  | 8,000  | 12,570  | 12,570  | 8,000  | 12,870  | 12,870  | 8,000  | 13,130  | 13,130  | 8,000  |
| 31.0   | 10,990      | 8,000  | 11,190  | 8,000  | 11,600  | 8,000  | 12,020  | 12,020  | 8,000  | 12,320  | 12,320  | 8,000  | 12,580  | 12,580  | 8,000  |
| 32.0   | 10,490      | 8,000  | 10,690  | 8,000  | 11,100  | 8,000  | 11,500  | 11,500  | 8,000  | 11,800  | 11,800  | 8,000  | 12,070  | 12,070  | 8,000  |
| 33.0   | 10,020      | 8,000  | 10,220  | 8,000  | 10,630  | 8,000  | 11,010  | 11,010  | 8,000  | 11,320  | 11,320  | 8,000  | 11,590  | 11,590  | 8,000  |
| 33.2   | 9,920       | 8,000  | 10,130  | 8,000  | 10,530  | 8,000  | 10,920  | 10,920  | 8,000  | 11,220  | 11,220  | 8,000  | 11,500  | 11,500  | 8,000  |
| 34.0   | 9,570       | 8,000  | 9,780   | 8,000  | 10,180  | 8,000  | 10,550  | 10,550  | 8,000  | 10,860  | 10,860  | 8,000  |         |         |        |
| 35.0   | 9,150       | 8,000  | 9,360   | 8,000  | 9,770   | 8,000  | 10,120  | 10,120  | 8,000  | 10,430  | 10,430  | 8,000  |         |         |        |
| 36.0   | 8,760       | 8,000  | 8,970   | 8,000  | 9,370   | 8,000  | 9,710   | 9,710   | 8,000  | 10,030  | 10,030  | 8,000  |         |         |        |
| 37.0   | 8,380       | 8,000  | 8,590   | 8,000  | 9,000   | 8,000  | 9,320   | 9,320   | 8,000  | 9,640   | 9,640   | 8,000  |         |         |        |
| 38.0   | 8,030       | 8,000  | 8,240   | 8,000  | 8,640   | 8,000  | 8,960   | 8,960   | 8,000  | 9,280   | 9,280   | 8,000  |         |         |        |
| 38.8   | 7,750       | 7,750  | 7,970   | 7,970  | 8,380   | 8,000  | 8,680   | 8,680   | 8,000  | 9,000   | 9,000   | 8,000  |         |         |        |
| 39.0   | 7,690       | 7,690  | 7,910   | 7,910  | 8,310   | 8,000  | 8,610   | 8,610   | 8,000  |         |         |        |         |         |        |
| 40.0   | 7,370       | 7,370  | 7,590   | 7,590  | 7,990   | 7,990  | 8,280   | 8,280   | 8,000  |         |         |        |         |         |        |
| 41.0   | 7,060       | 7,060  | 7,290   | 7,290  | 7,690   | 7,690  | 7,970   | 7,970   | 7,970  |         |         |        |         |         |        |
| 42.0   | 6,770       | 6,770  | 7,000   | 7,000  | 7,400   | 7,400  | 7,670   | 7,670   | 7,670  |         |         |        |         |         |        |
| 43.0   | 6,500       | 6,500  | 6,720   | 6,720  | 7,120   | 7,120  | 7,380   | 7,380   | 7,380  |         |         |        |         |         |        |
| 44.0   | 6,230       | 6,230  | 6,460   | 6,460  | 6,860   | 6,860  | 7,110   | 7,110   | 7,110  |         |         |        |         |         |        |
| 44.4   | 6,130       | 6,130  | 6,360   | 6,360  | 6,760   | 6,760  | 7,000   | 7,000   | 7,000  |         |         |        |         |         |        |
| 45.0   | 5,980       | 5,980  | 6,210   | 6,210  | 6,610   | 6,610  |         |         |        |         |         |        |         |         |        |
| 46.0   | 5,740       | 5,740  | 5,970   | 5,970  | 6,370   | 6,370  |         |         |        |         |         |        |         |         |        |
| 47.0   | 5,510       | 5,510  | 5,740   | 5,740  | 6,140   | 6,140  |         |         |        |         |         |        |         |         |        |
| 48.0   | 5,290       | 5,290  | 5,520   | 5,520  | 5,920   | 5,920  |         |         |        |         |         |        |         |         |        |
| 49.0   | 5,070       | 5,070  | 5,310   | 5,310  | 5,700   | 5,700  |         |         |        |         |         |        |         |         |        |
| 50.0   | 4,870       | 4,870  | 5,110   | 5,110  | 5,500   | 5,500  |         |         |        |         |         |        |         |         |        |
| 51.0   | 4,670       | 4,670  | 4,910   | 4,910  |         |        |         |         |        |         |         |        |         |         |        |
| 52.0   | 4,490       | 4,490  | 4,720   | 4,720  |         |        |         |         |        |         |         |        |         |         |        |
| 53.0   | 4,300       | 4,300  | 4,540   | 4,540  |         |        |         |         |        |         |         |        |         |         |        |
| 54.0   | 4,130       | 4,130  | 4,370   | 4,370  |         |        |         |         |        |         |         |        |         |         |        |
| 55.0   | 3,960       | 3,960  | 4,200   | 4,200  |         |        |         |         |        |         |         |        |         |         |        |
| 56.0   | 3,800       | 3,800  |         |        |         |        |         |         |        |         |         |        |         |         |        |
| 57.0   | 3,640       | 3,640  |         |        |         |        |         |         |        |         |         |        |         |         |        |
| 58.0   | 3,490       | 3,490  |         |        |         |        |         |         |        |         |         |        |         |         |        |
| 59.0   | 3,340       | 3,340  |         |        |         |        |         |         |        |         |         |        |         |         |        |
| 60.0   | 3,200       | 3,200  |         |        |         |        |         |         |        |         |         |        |         |         |        |

|                                                                                                                                       |                                                                                   |              |                                                                                                                                                                                |                                 |                                                                                     |            |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|------------|
| HOIST WINCH<br><br>MOTOR<br>85 kW                                                                                                     | 1-PART                                                                            |              | 2-PARTS                                                                                                                                                                        |                                 | 3-PARTS                                                                             |            |
|                                                                                                                                       |  |              |                                                                                               |                                 |  |            |
|                                                      | Load                                                                              | Max. Speed   | Load                                                                                                                                                                           | Max. Speed                      | Load                                                                                | Max. Speed |
|                                                                                                                                       | 0 - 2 t                                                                           | 160 m/min    | 0 - 4 t                                                                                                                                                                        | 80 m/min                        | 0 - 6 t                                                                             | 53 m/min   |
|                                                                                                                                       | 2 - 4 t                                                                           | 96 m/min     | 4 - 8 t                                                                                                                                                                        | 48 m/min                        | 6 - 12 t                                                                            | 32 m/min   |
|                                                                                                                                       | 4 - 8 t                                                                           | 54 m/min     | 8 - 16 t                                                                                                                                                                       | 27 m/min                        | 12 - 24 t                                                                           | 18 m/min   |
|                                                      | HOIST DRUM                                                                        |              |                                                                                               | HOIST WIRE                      |                                                                                     |            |
|                                                                                                                                       | CAPACITY                                                                          |              |                                                                                                                                                                                | Diameter                        | 22 mm                                                                               |            |
|                                                                                                                                       | 670 m / 8 layers                                                                  |              |                                                                                                                                                                                | Safety Factor                   | 5                                                                                   |            |
|                                                     | LUFFING WINCH                                                                     |              |                                                                                            | LUFFING DRUM                    |                                                                                     |            |
|                                                                                                                                       | MOTOR<br>45 kW                                                                    |              |                                                                                                                                                                                | CAPACITY                        |                                                                                     |            |
| LUFFING SPEEDS                                                                                                                        |                                                                                   |              | LUFFING WIRE                                                                                                                                                                   |                                 |                                                                                     |            |
|                                                    | 0 - 24 t                                                                          | 2:00 min     | Diameter                                                                                                                                                                       | 20 mm                           |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              | Safety Factor                                                                                                                                                                  | 5.3                             |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              | MBL                                                                                                                                                                            | 321 kN                          |                                                                                     |            |
|                                                    | SLEW DRIVE                                                                        |              |                                                                                           | POWER                           |                                                                                     |            |
|                                                                                                                                       | Motor<br>2 x 7 kW                                                                 |              |                                                                                                                                                                                | SUPPLY<br>400 - 480 V, 50/60 Hz |                                                                                     |            |
| SLEW SPEEDS                                                                                                                           |                                                                                   |              | Consumption                                                                                                                                                                    | 165 kVA                         |                                                                                     |            |
|                                                    | 0 - 24 t                                                                          | 0 - 0.7 rpm  | Main Fuse                                                                                                                                                                      | 160 A                           |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              | Recommended Generator Size                                                                                                                                                     | 350 kVA                         |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              |                                                                                                                                                                                |                                 |                                                                                     |            |
|                                                    | UNDERCARRIAGE                                                                     |              |                                                                                           | SUPPLY CABLE                    |                                                                                     |            |
|                                                                                                                                       | Motor<br>4 x 5.5 kW                                                               |              |                                                                                                                                                                                | Cable Length                    | Cable Type                                                                          |            |
| TRAVEL SPEEDS                                                                                                                         |                                                                                   |              | 0 - 175 m                                                                                                                                                                      | 4 x 70 mm <sup>2</sup>          |                                                                                     |            |
|                                                    | 0 - 24 t                                                                          | 0 - 25 m/min | 175 - 250 m                                                                                                                                                                    | 4 x 95 mm <sup>2</sup>          |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              |                                                                                                                                                                                |                                 |                                                                                     |            |
|                                                                                                                                       |                                                                                   |              |                                                                                                                                                                                |                                 |                                                                                     |            |
| All motion controls are completely stepless ensuring smooth and jerk-free operation.<br>Creeping speed down to 0.5% of maximum speed. |                                                                                   |              | All specifications shown in the tables are for the standard version of K435L. For special requirements regarding load charts or drive speeds, please contact Krøll Cranes A/S. |                                 |                                                                                     |            |



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**F/ELLE**  
**FAVCO**

THE MUHIBBAH GROUP 