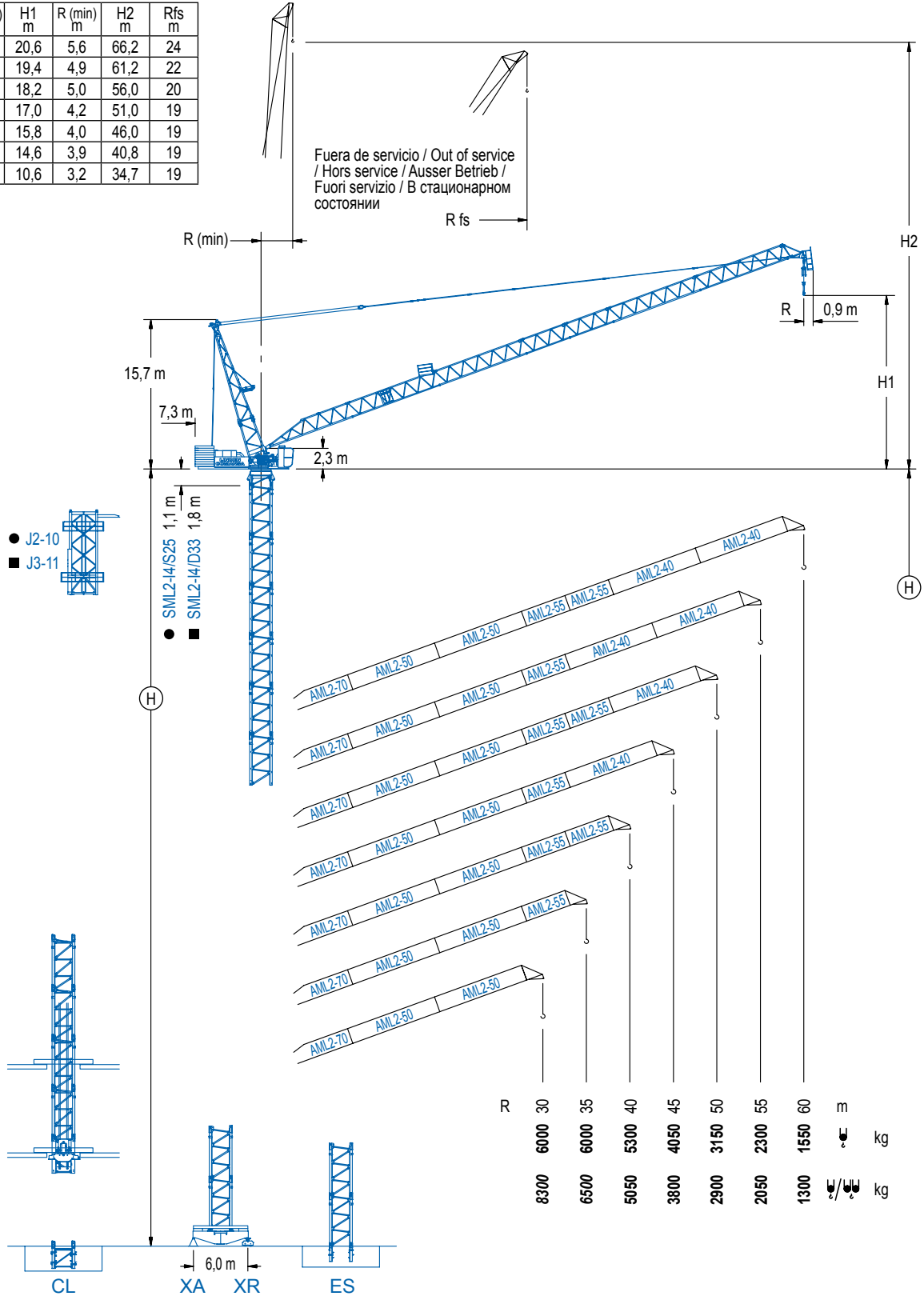


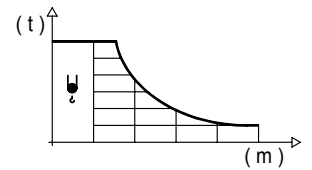
| R (max)<br>m | H1<br>m | R (min)<br>m | H2<br>m | Rfs<br>m |
|--------------|---------|--------------|---------|----------|
| <b>60</b>    | 20,6    | 5,6          | 66,2    | 24       |
| <b>55</b>    | 19,4    | 4,9          | 61,2    | 22       |
| <b>50</b>    | 18,2    | 5,0          | 56,0    | 20       |
| <b>45</b>    | 17,0    | 4,2          | 51,0    | 19       |
| <b>40</b>    | 15,8    | 4,0          | 46,0    | 19       |
| <b>35</b>    | 14,6    | 3,9          | 40,8    | 19       |
| <b>30</b>    | 10,6    | 3,2          | 34,7    | 19       |



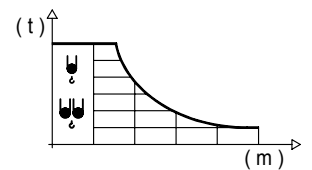
## DIAGRAMA DE CARGAS

Load chart / Diagramme de charges / Lastdiagramm / Diagramma di carico / Диаграмма распределения нагрузки

| R<br>(m) | W<br>(kg) | RCmax<br>(m) | 10 | 15 | 20 | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | ↔(m)<br>↓(kg) |
|----------|-----------|--------------|----|----|----|------|------|------|------|------|------|------|------|---------------|
| 60       |           | 28,5         |    |    |    | 6000 | 5460 | 4140 | 3280 | 2670 | 2210 | 1850 | 1550 |               |
| 55       |           | 32,5         |    |    |    |      | 6000 | 5250 | 4140 | 3360 | 2780 | 2300 |      |               |
| 50       |           | 35,5         |    |    |    |      |      | 6000 | 4820 | 3880 | 3150 |      |      |               |
| 45       |           | 36,5         |    |    |    |      |      | 6000 | 5080 | 4050 |      |      |      |               |
| 40       |           | 37,6         |    |    |    |      |      | 6000 | 5300 |      |      |      |      |               |
| 35       |           | 35,0         |    |    |    |      |      | 6000 |      |      |      |      |      |               |
| 30       |           | 30,0         |    |    |    |      | 6000 |      |      |      |      |      |      |               |

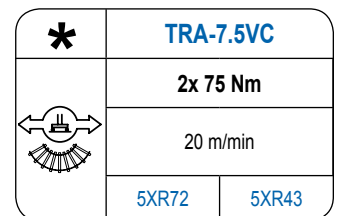
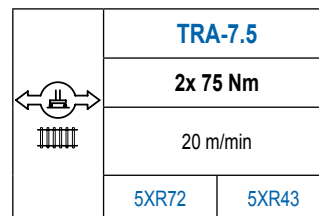
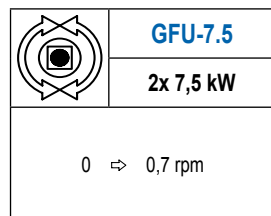
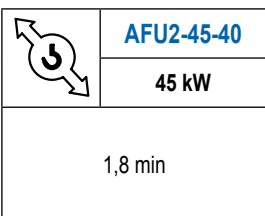
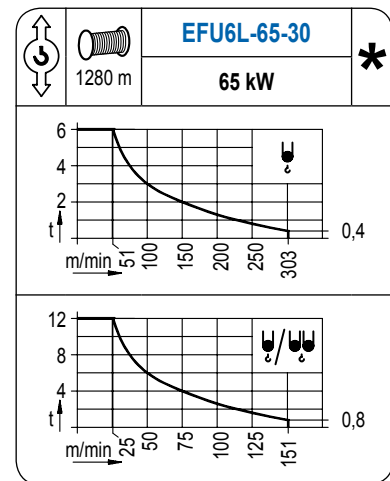
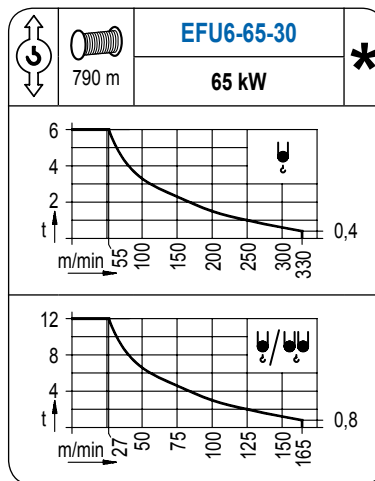
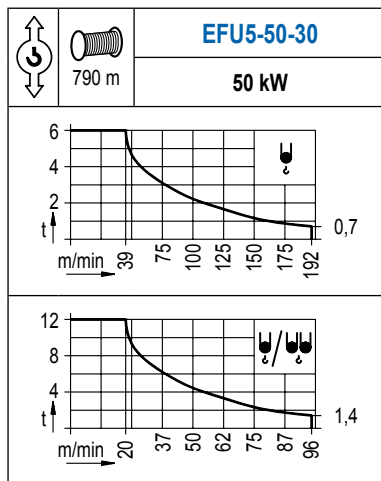


| R<br>(m) | W<br>(kg) | RCmax<br>(m) | 10    | 15    | 20    | 25    | 30   | 35   | 40   | 45   | 50   | 55   | 60   | ↔(m)<br>↓(kg) |
|----------|-----------|--------------|-------|-------|-------|-------|------|------|------|------|------|------|------|---------------|
| 60       |           | 13,5         | 12000 | 10140 | 6590  | 4800  | 3710 | 2980 | 2460 | 2070 | 1760 | 1510 | 1300 |               |
| 55       |           | 20,2         |       |       | 12000 | 7950  | 5780 | 4460 | 3580 | 2940 | 2450 | 2050 |      |               |
| 50       |           | 21,0         |       |       | 12000 | 8870  | 6600 | 5170 | 4200 | 3470 | 2900 |      |      |               |
| 45       |           | 21,4         |       |       | 12000 | 9370  | 7090 | 5620 | 4590 | 3800 |      |      |      |               |
| 40       |           | 22,3         |       |       | 12000 | 10120 | 7750 | 6190 | 5050 |      |      |      |      |               |
| 35       |           | 23,4         |       |       | 12000 | 10850 | 8260 | 6500 |      |      |      |      |      |               |
| 30       |           | 23,5         |       |       | 12000 | 10950 | 8300 |      |      |      |      |      |      |               |



## MECANISMOS

Mechanisms / Mécanismes / Antriebe / Meccanismi / Механизмы



| POTENCIA / POWER / PUISSANCE / LEISTUNG / POTENZA / МОЩНОСТЬ             |                                                                         |                                                                |                                                                         | Tensión de alimentación / Operating voltage / Tension de service / Betriebsspannung / Tensione di alimentazione / Напряжение источника питания |  | Generador / Generator / Générateur / Generator / Generatore / Генератор |  |
|--------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|--|
| Elevación / Hoist / Levage / Hub / Sollevamento / Тип механизма (подъем) | Abatimiento / Luffing / Relevage / Einziehen / Brandeggio / Складывание | Giro / Slewing / Rotation / Drehbewegung / Rotazione / Поворот | Traslación / Travel / Translation / Verfahrbewegung / Traslazione / Ход | 400 V                                                                                                                                          |  | 215 kVA                                                                 |  |
| EFU5-50-30                                                               | AFU2-45-40                                                              | (2x) GFU-7.5                                                   | (2x) TRA-7.5                                                            | 3ph                                                                                                                                            |  | 240 kVA                                                                 |  |
| EFU6-65-30                                                               |                                                                         |                                                                |                                                                         | 50 Hz                                                                                                                                          |  | 240 kVA                                                                 |  |
| EFU6L-65-30                                                              |                                                                         |                                                                |                                                                         |                                                                                                                                                |  |                                                                         |  |

|                                                                        |
|------------------------------------------------------------------------|
| Opcional / Optional / En option / Kaufoption / Opzionale / Опционально |
| *                                                                      |

Tower height / Hauteurs de tour / Turmhöhen / Altezza della torre / Высота башни

| H    | C/25 | R   | R   | W   | W   | W   |
|------|------|-----|-----|-----|-----|-----|
| (m)  | (m)  | (m) | (m) | (N) | (N) | (N) |
| 47,0 | 30   | 30  | 30  | 35  | 35  | 35  |
| 41,5 | 40   | 40  | 40  | 45  | 45  | 45  |
| 36,0 | 50   | 50  | 50  | 55  | 55  | 55  |

1.9 m

6.0 m

5XA72  
5XR72

PS5

ES72

|                                                                                     |                  |      |     |     |
|-------------------------------------------------------------------------------------|------------------|------|-----|-----|
|  | n°               | Ref. | Ø   | h   |
|                                                                                     | 1                | S25  | 2,0 | 5,5 |
|                                                                                     | 1x S25 = 1x S25M |      |     |     |

|               |                                                                                                                            |                 |
|---------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|
|               | En servicio / In operation /<br>En service / In Betrieb / In<br>servizio / При работе                                      | 5XR72.....111 t |
| <b>Z máx.</b> | Fuera de servicio / Out<br>of service / Hors service<br>/ Ausser Betrieb / Fuori<br>servizio / В стационарном<br>состоянии | 5XR72.....144 t |

## Tower height / Hauteurs de tour / Turmhöhen / Altezza della torre / Высота башни

Diagram illustrating the arrangement of two rows of lighting fixtures (5XA43 5XR43 and ES43) with their respective dimensions and beam angles.

**Left Row (5XA43 5XR43):**

- Height: 1.9 m
- Width: 6.0 m
- Beam Angles: 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°
- Distances (m): 53,2; 47,7; 42,2; 36,7; 31,2

**Right Row (ES43):**

- Height: 1.9 m
- Width: 6.0 m
- Beam Angles: 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°, 7°
- Distances (m): 62,4; 56,9; 51,4; 45,9; 40,4

|                                                                                       |    |      |     |     |
|---------------------------------------------------------------------------------------|----|------|-----|-----|
|  | n° | Ref. | ∅   | h   |
|                                                                                       | 7  | D33  | 2,5 | 5,5 |

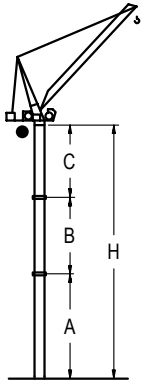
|               |                                                                                                                            |                  |
|---------------|----------------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Z máx.</b> | En servicio / In operation /<br>En service / In Betrieb / In<br>servizio / При работе                                      | 5XR43..... 119 t |
|               | Fuera de servicio / Out<br>of service / Hors service<br>/ Ausser Betrieb / Fuori<br>servizio / В стационарном<br>состоянии | 5XR43..... 167 t |

*Courtesy of Crane.Market*

## GRÚA ARRIOSTRADA

Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Нарациваемый кран

Ø 2,0 m



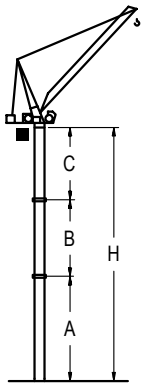
|                     | 5XA72   |         |         |      |
|---------------------|---------|---------|---------|------|
| R $\Psi$            | 55 / 50 | 45 / 40 | 35 / 30 |      |
| (m) $\Psi/\Psi\Psi$ | 55 / 50 | 45 / 40 | 35 / 30 |      |
| A max               | 23,9    | 29,4    | 34,9    |      |
| A min               | 23,9    | 29,4    | 23,9    |      |
| B max               | -       | 16,5    | 22,0    | 22,0 |
| B min               | -       | 16,5    | 16,5    | 16,5 |
| C max               | 28,6    | 28,6    | 34,1    | 34,1 |
| H max               | 52,5    | 69,0    | 63,5    | 85,5 |

|                     | ES72    |         |         |      |
|---------------------|---------|---------|---------|------|
| R $\Psi$            | 55 / 50 | 45 / 40 | 35 / 30 |      |
| (m) $\Psi/\Psi\Psi$ | 55 / 50 | 45 / 40 | 35 / 30 |      |
| A max               | 22,1    | 27,6    | 33,1    |      |
| A min               | 22,1    | 27,6    | 22,1    |      |
| B max               | -       | 16,5    | 22,0    | 22,0 |
| B min               | -       | 16,5    | 16,5    | 16,5 |
| C max               | 28,6    | 28,6    | 34,1    | 34,1 |
| H max               | 50,7    | 67,2    | 61,7    | 83,7 |

## GRÚA ARRIOSTRADA

Braced crane / Grue à entretoisement / Abgespannter Kran / Gru ancorata / Нарациваемый кран

Ø 2,5 m



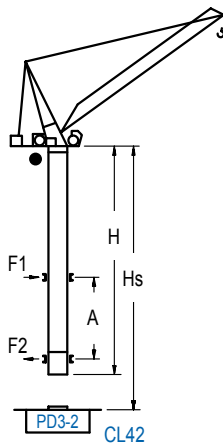
|                     | 5XA43 |      |         |      |         |      |
|---------------------|-------|------|---------|------|---------|------|
| R $\Psi$            | 60    | 55   | 50 / 45 | 40   | 35 / 30 |      |
| (m) $\Psi/\Psi\Psi$ | 60    | 55   | 50 / 45 | 40   | 35 / 30 |      |
| A max               | 18,4  | 23,9 | 29,4    | 34,9 | 40,4    |      |
| A min               | 18,4  | 23,9 | 23,9    | 23,9 | 23,9    |      |
| B max               | -     | 16,5 | -       | 27,5 | -       | 33,0 |
| B min               | -     | 16,5 | -       | 16,5 | -       | 16,5 |
| C max               | 29,3  | 29,3 | 34,8    | 40,3 | 40,3    | 45,8 |
| H max               | 47,7  | 64,2 | 58,7    | 80,7 | 69,7    | 97,2 |

|                     | ES43 |         |         |      |       |      |
|---------------------|------|---------|---------|------|-------|------|
| R $\Psi$            | 60   | 55 / 50 | 45 / 40 | 35   | 30    |      |
| (m) $\Psi/\Psi\Psi$ | 60   | 55 / 50 | 45 / 40 | 35   | 30    |      |
| A max               | 27,6 | 33,1    | 38,6    | 44,1 | 49,6  |      |
| A min               | 22,1 | 22,1    | 22,1    | 22,1 | 22,1  |      |
| B max               | -    | 16,5    | -       | 27,5 | -     | 33,0 |
| B min               | -    | 16,5    | -       | 16,5 | -     | 16,5 |
| C max               | 29,3 | 29,3    | 34,8    | 40,3 | 45,8  | 45,8 |
| H max               | 56,9 | 73,4    | 67,9    | 89,9 | 100,9 | 89,9 |

## GRÚA TREPADORA

Internal climbing crane / Grue avec cage de télescopage intérieure / Kran mit klettern im Gebäude / Gru in rampante in cavedio / Кран с самоподъемом

Ø 2,0 m



| (H) $\Psi$                                           | $\Psi$   | $\Psi/\Psi\Psi$ | Hs < 300 m |           |
|------------------------------------------------------|----------|-----------------|------------|-----------|
| (m) $\Psi/\Psi\Psi$                                  | (R)(m)   | (R)(m)          | A max (m)  | A min (m) |
| <b>54,0</b><br>(4x S25 + TD23A + 4x D23A + CLD23A-1) | 30<br>35 | 30<br>35        | 25,0       | 11,0      |
| <b>48,5</b><br>(3x S25 + TD23A + 4x D23A + CLD23A-1) | 40       | 40              | 22,3       | 11,0      |
| <b>43,0</b><br>(2x S25 + TD23A + 4x D23A + CLD23A-1) | 45<br>50 | 45<br>50        | 19,6       | 11,0      |
| <b>37,5</b><br>(S25 + TD23A + 4x D23A + CLD23A-1)    | 55       | 55              | 16,8       | 10,0      |
| <b>32,0</b><br>(TD23A + 4x D23A + CLD23A-1)          | 60       | 60              | 14,1       | 10,0      |

| nº               | Ref.     | h (m) | h (m) |
|------------------|----------|-------|-------|
| 1                | S25      | 2,0   | 5,5   |
| 2                | TD23A    | 2,0   | 5,5   |
| 4                | D23A     | 2,0   | 5,5   |
| 14               | CLD23A-1 | 2,0   | 3,4   |
| 1x S25 = 1x S25M |          |       |       |

Otras zonas de viento, alturas superiores, arriostamientos o trepado interno consultar / Other wind zones, additional hook heights, tie frames or internal climbing on request / Autres zones de vent, des hauteurs supplémentaires, entretoisements ou grues avec cage de télescopage intérieure, sur demande / Andere Windzonen, weitere Hakenhöhen, Abspannungen zum Gebäude oder Klettern im Gebäude auf Anfrage / Per zone con velocità del vento particolari, altezze superiori, ancoraggi o rampante in cavedio, consultare il fabbricante / При других ветренных зонах, при большой высоте, привязках к зданию или наращивании крана внутри здания проконсультируйтесь с нами

**LINDEN COMANSA**  
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Il Fabbricante si riserva la facoltà di apportare modifiche. Возможны изменения.

Courtesy of Crane.Market