

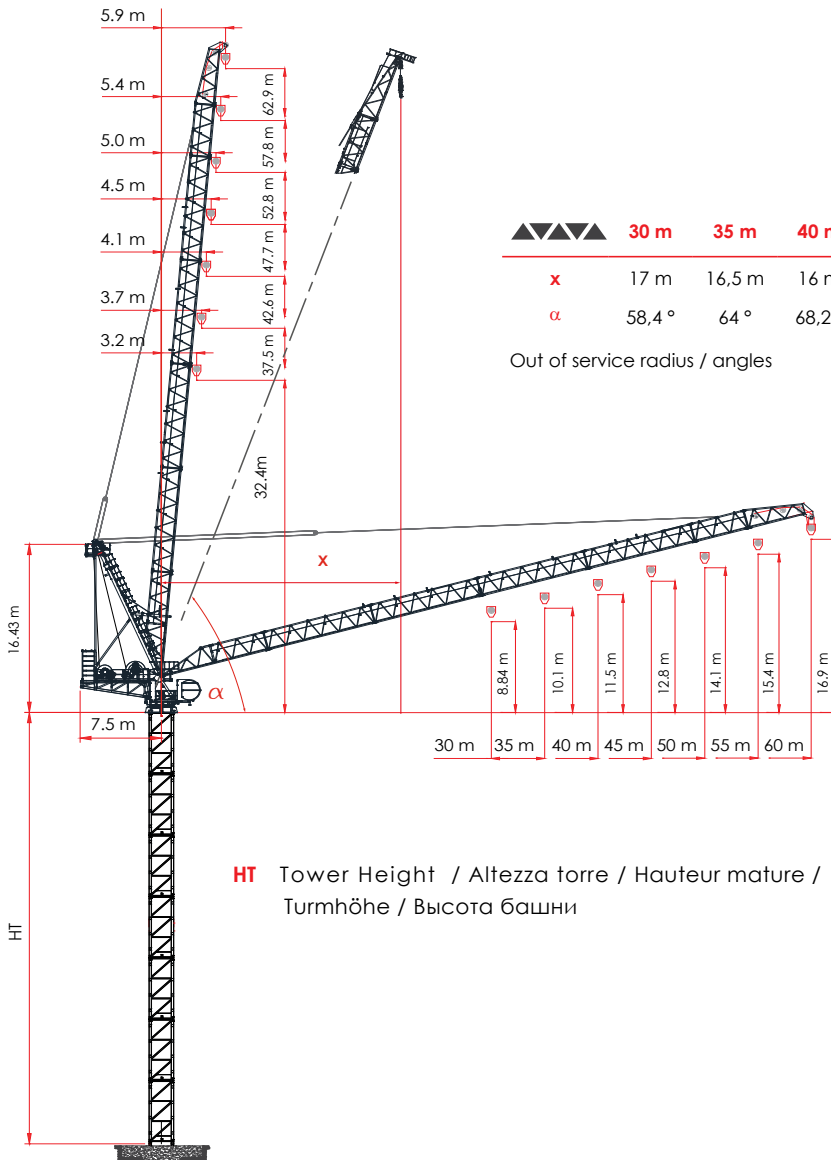


The Raimondi LR330 luffing jib crane may be equipped with two different hoisting winches: standard installed power of 80kW or the two falls configuration with the more powerful 110kW

 **RAIMONDI**® LR330
SINCE 1863

LR330





18t



| | 30 m | 35 m | 40 m | 45 m | 50 m | 55 m | 60 m |
|----------|-------|--------|-------|--------|--------|--------|--------|
| x | 17 m | 16,5 m | 16 m | 17,5 m | 19,6 m | 20,5 m | 21,5 m |
| α | 58,4° | 64° | 68,2° | 68,7° | 68,6° | 69,5° | 70,3° |

















Out of service radius / angles

HT Tower Height / Altezza torre / Hauteur mature / Turmhöhe / Высота башни

- D1** 
 - GR6L
 - HT 54,4 m C25
 - Embedded element
- D2** 
 - GR6 / GR6L
 - HT 63,4 m C25
 - Embedded element
- D3** 
 - GR6B / GR6 / GR6L
 - HT 72,4 m C25
 - Booster
 - Embedded element
- E** 
 - GR6L
 - HT 61,4 m C25
 - Base 8x8 m



2000/14/CE
EN 14439 C25 D25 - FEM 1.001

| | IT | EN | F | DE | RU |
|--|--|--|---|--|---|
|  | Altezza sotto gancio | Height under hook | Hauteur sous crochet | Höhe unter dem Haken | Высота под крюком |
|  | Contrappesi | Counter weight jib ballast | Lest de contre-flèche | Gegenauslegerballast | Противовесы |
|  | Freccia | Jib | Flèche | Kranarm | стрела крана |
|  | Carico massimo | Max load | Charge maximale | Maximale Belastung | максимальная нагрузка |
|  | Curva di carico Ultralift | Load diagrams with ultralift control | Courbes de charges Ultralift | Lastkurven Ultralift | Кривой Груз Ultralift |
|  | Altezza libera | Free Standing | Hauteur libre | Freistehend | Свободностоящая высота |
|  | Azionamenti | Mechanisms | Mécanismes | Antriebe | Приводы |
|  | Velocità | Speed | Vitesse | Geschwindigkeit | скорость |
|  | 5 marce con velocità proporzionale al carico | 5 step with speed proportional to the load | 5 rapports avec une vitesse proportionnelle à la charge | 5 Gang Geschwindigkeit proportional zum Last | Автоматический выбор скорости механизма подъема в зависимости от величины груза |
|  | Tiro a 2 funi | Two - rope pull | Tir à deux câbles | Zug an zwei Seilen | Двукратная запасовка тросов |
|  | Tiro a 4 funi | Four - rope pull | Tir à quatre câbles | Zug an vier Seilen | Четырехкратная запасовка тросов |
|  | Totale metri fune tamburo | Total meters rope drum | Total des mètres de corde du tambour | Total Meter Seil Trommel | Запас троса на барабане в метрах |
|  | Diametro fune | Rope diameter | Diamètre du câble | Seildurchmesser | Диаметр троса |
|  | Rotazione | Slewing | Orientation | Schwenken | Поворот |
|  | Braccio impennabile | Luffing jib | Flèche rélevable | Arm mit erhöht | Стрела крана подъемный |
|  | Traslazione | Travelling | Translation | Kranfahren | Перемещение крана |

STANDARD



2000 / 14 / CE

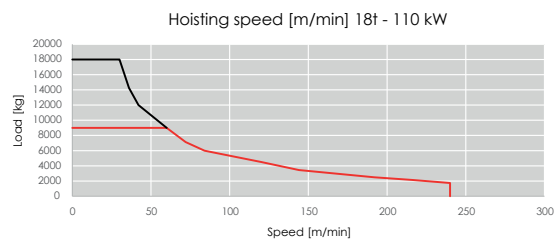
18 t 150 hp 110 kW

STEP



400 V ± 5% 50 Hz

| | | m/min | kg | m/min | kg |
|---------|---|-------|-------|-------|--------|
| 900 m | 1 | 24 | 9 000 | 12 | 18 000 |
| 286 kVA | 2 | 60 | 9 000 | 30 | 18 000 |
| ∅ 24 mm | 3 | 120 | 4 500 | 60 | 9 000 |
| | | ↓ | ↓ | ↓ | ↓ |
| | 4 | 192 | 2 500 | 96 | 5 000 |
| | | ↓ | ↓ | ↓ | ↓ |
| | 5 | 240 | 1 750 | 120 | 3 500 |



The speed at which loads are lifted or lowered is automatically regulated by the control system.

kVA **Power required** / Potenza richiesta / Puissance requise / Erforderliche Leistung / Потребляемая мощность



0 / 0,8 r.p.m. ▪ 2 x 15 kW /





14,5° / 85°

1,8 min ▪ 75 kW /



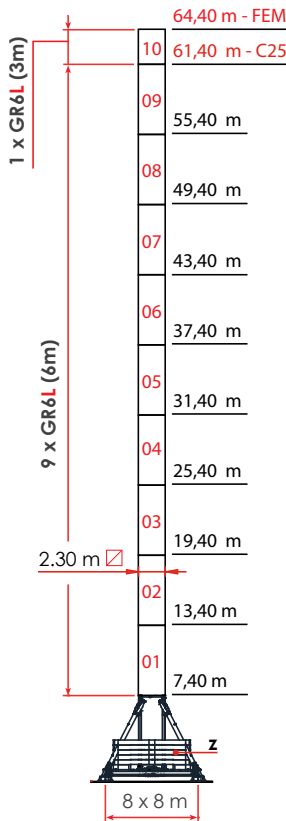
- m/min ▪ _ x _ kW

| | Jib | 30,0 m | 35,0 m | 40,0 m | 45,0 m | 50,0 m | 55,0 m | 60,0 m |
|-----------------|-----------|---|-------------|-------------|-------------|-------------|-------------|--------|
| LR330 - 9,0t UL | 9 † ▶ | 30 m | 35 m | 40 m | 42 m | 40 m | 38 m | 37 m |
| | 28 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 |
| | 29 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 |
| | 30 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 |
| | 33 | | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 |
| | 35 | | 9000 | 9000 | 9000 | 9000 | 9000 | 9000 |
| | 38 | | | 9000 | 9000 | 9000 | 9000 | 8724 |
| | 40 | | | 9000 | 9000 | 8903 | 8589 | 8021 |
| | 43 |  | | | 8944 | 7974 | 7644 | 7088 |
| | 45 | | | | 8250 | 7420 | 7083 | 6535 |
| | 48 | | | | | 6671 | 6328 | 5790 |
| | 50 | | | | | 6380 | 5873 | 5343 |
| | 53 | | | | | | 5253 | 4734 |
| | 55 | | | | | | 4840 | 4363 |
| | 58 | | | | | | | 3853 |
| 60 | | | | | | | 3520 | |

| | Jib | 30,0 m | 35,0 m | 40,0 m | 45,0 m | 50,0 m | 55,0 m | 60,0 m |
|------------------|-----------|---|--------------|-------------|-------------|-------------|-------------|--------|
| LR330 - 18,0t UL | 18 † ▶ | 23 m | 24 m | 25 m | 25 m | 23 m | 25 m | 26 m |
| | 23 | 18000 | 18000 | 18000 | 18000 | 18000 | 16000 | 14000 |
| | 24 | 17834 | 18000 | 18000 | 18000 | 17924 | 16000 | 14000 |
| | 25 | 16974 | 17853 | 18000 | 18000 | 17031 | 16000 | 14000 |
| | 26 | 16178 | 17005 | 17186 | 17956 | 16205 | 15346 | 14000 |
| | 28 | 14756 | 15493 | 15683 | 16325 | 14727 | 13909 | 13270 |
| | 29 | 14116 | 14817 | 15008 | 15595 | 14064 | 13263 | 12632 |
| | 30 | 13517 | 14186 | 14377 | 14914 | 13444 | 12660 | 12035 |
| | 33 | | 12529 | 12711 | 13125 | 11807 | 11067 | 10461 |
| | 35 | | 11208 | 11756 | 12104 | 10869 | 10155 | 9559 |
| | 38 | | | 10510 | 10778 | 9645 | 8964 | 8383 |
| | 40 |  | | 9680 | 10005 | 8929 | 8268 | 7695 |
| | 43 | | | | 8982 | 7978 | 7343 | 6782 |
| | 45 | | | | 8030 | 7414 | 6794 | 6239 |
| | 48 | | | | | 6653 | 6055 | 5510 |
| 50 | | | | | 6160 | 5611 | 5071 | |
| 55 | | | | | | 4620 | 4110 | |
| 60 | | | | | | | 3300 | |

ULTRALIFT If the crane is not equipped with Ultralift control, all intermediate loads are decreased by 10% / Senza il sistema Ultralift tutte le portate intermedie diminuiscono il carico del 10%

☐ 2,3 m GR6L E



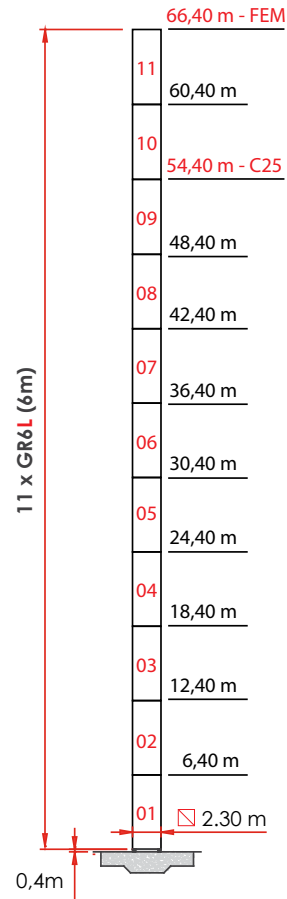
Base 8,0 x 8,0 m FEM 1.001

| HT [m] | Base 8,0 x 8,0 m | | | | | |
|--------|-------------------------|-----|-----|-----|-----|---------|
| | 60m | 55m | 50m | 45m | 40m | 35m 30m |
| 64,4 | Z [t] | | | | | |
| 61,4 | 196 | | | | | |
| 58,4 | 196 186 166 | | | | | |
| 55,4 | 196 176 156 146 | | | | | |
| 52,4 | 186 176 156 136 126 | | | | | |
| 49,4 | 176 166 146 136 116 106 | | | | | |
| 43,4 | 176 | 156 | 146 | 126 | 116 | 96 86 |
| 37,4 | 136 | 116 | 96 | 86 | 76 | 66 56 |
| 31,4 | 96 | 86 | 56 | 46 | 46 | 46 46 |
| 25,4 | 66 | 56 | 46 | 46 | 46 | 46 46 |
| 19,4 | 46 | 46 | 46 | 46 | 46 | 46 46 |

Base 8,0 x 8,0 m EN14439 C25

| HT [m] | Base 8,0 x 8,0 m | | | | | |
|--------|-------------------------|-----|-----|-----|-----|---------|
| | 60m | 55m | 50m | 45m | 40m | 35m 30m |
| 61,4 | Z [t] | | | | | |
| 58,4 | 176 | | | | | |
| 55,4 | 186 166 156 | | | | | |
| 52,4 | 176 166 146 126 | | | | | |
| 49,4 | 186 176 156 136 126 106 | | | | | |
| 43,4 | 186 | 166 | 146 | 136 | 116 | 106 86 |
| 37,4 | 146 | 116 | 106 | 86 | 76 | 66 56 |
| 31,4 | 96 | 76 | 66 | 56 | 46 | 46 46 |
| 25,4 | 56 | 46 | 46 | 46 | 46 | 46 46 |
| 19,4 | 46 | 46 | 46 | 46 | 46 | 46 46 |

☐ 2,3 m GR6L D1



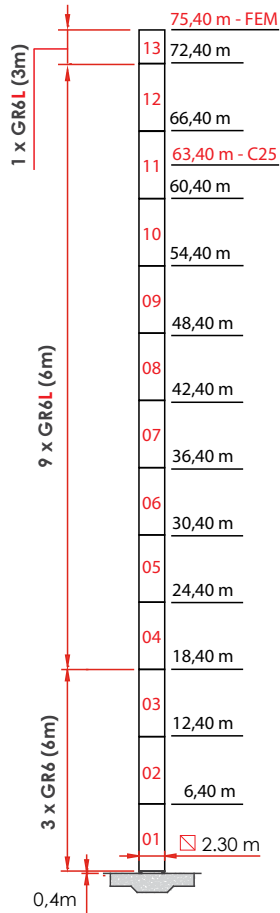
FEM 1.001

| Jib [m] | HT [m] |
|---------|--------|
| 30 | 66,4 |
| 35 | 63,4 |
| 40 | 60,4 |
| 45 | 57,4 |
| 50 | 54,4 |
| 55 | 51,4 |
| 60 | 48,4 |

EN 14439 C25

| Jib [m] | HT [m] |
|---------|--------|
| 30 | 54,4 |
| 35 | 54,4 |
| 40 | 51,4 |
| 45 | 48,4 |
| 50 | 48,4 |
| 55 | 45,4 |
| 60 | 42,4 |

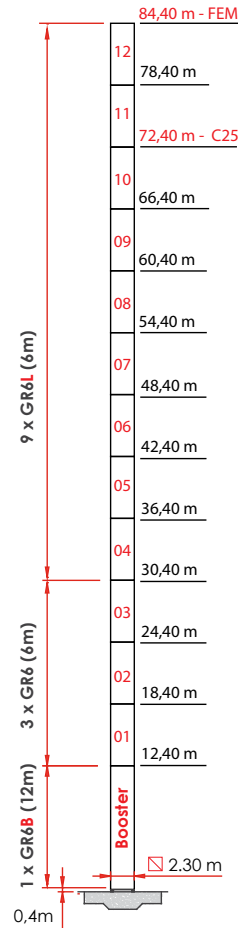
| Jib | Jib length | HT (m) | Total tower height | A | Base on concrete pads |
|-----|-----------------|--------|--------------------|---|-----------------------|
| B | Travelling base | D | Crane on embedded | E | Base on steel pads |

2,3 m GR6 / GR6L D2

FEM 1.001

| Jib [m] | HT [m] |
|---------|--------|
| 30 | 75,4 |
| 35 | 72,4 |
| 40 | 72,4 |
| 45 | 69,4 |
| 50 | 66,4 |
| 55 | 63,4 |
| 60 | 60,4 |

EN 14439 C25

| Jib [m] | HT [m] |
|---------|--------|
| 30 | 63,4 |
| 35 | 63,4 |
| 40 | 60,4 |
| 45 | 57,4 |
| 50 | 57,4 |
| 55 | 54,4 |
| 60 | 51,4 |

2,3 m GR6B/GR6/GR6L D3

FEM 1.001

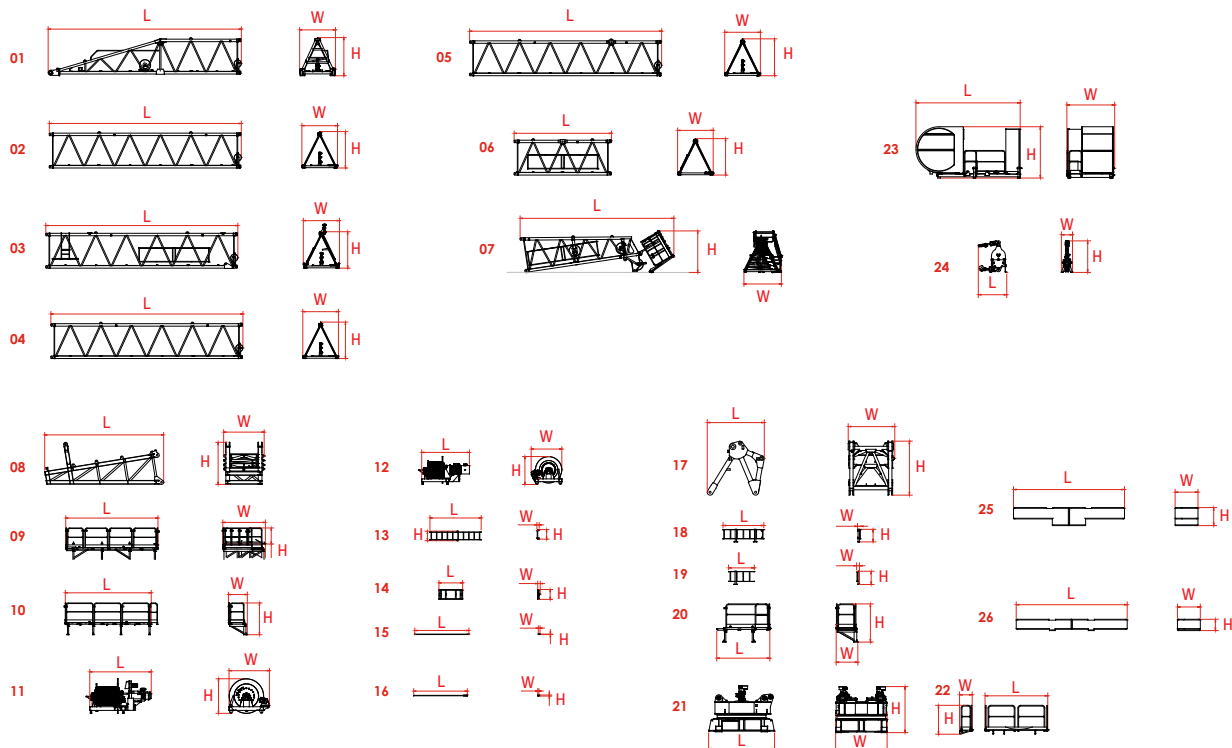
| Jib [m] | HT [m] |
|---------|--------|
| 30 | 84,4 |
| 35 | 81,4 |
| 40 | 78,4 |
| 45 | 78,4 |
| 50 | 75,4 |
| 55 | 75,4 |
| 60 | 72,4 |

EN 14439 C25

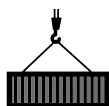
| Jib [m] | HT [m] |
|---------|--------|
| 30 | 72,4 |
| 35 | 72,4 |
| 40 | 69,4 |
| 45 | 66,4 |
| 50 | 66,4 |
| 55 | 63,4 |
| 60 | 60,4 |

| Jib | Jib length | HT (m) | Total tower height | A | Base on concrete pads |
|-----|-----------------|--------|--------------------|---|-----------------------|
| B | Travelling base | D | Crane on embedded | E | Base on steel pads |

JIB AND COUNTER-JIB PACKING LIST



10 x 13,60 m



3 x 40 High cube

2 x 40 Open Top

6 x 40 Box

LR330_Jib 60 m ▪

Top part / Parte rotante / Partie tournante / Drehender Kranteil / Поворотная часть

Included counter weight and cabin / Cabina e contrappesi inclusi / Cabine et contrepoids inclus / Kabine und Gegengewichts Blöcke – inbegriffen / Противовес включен - кабина

L (m) Length of the element

H (m) Height of the element

W (m) Width of the element

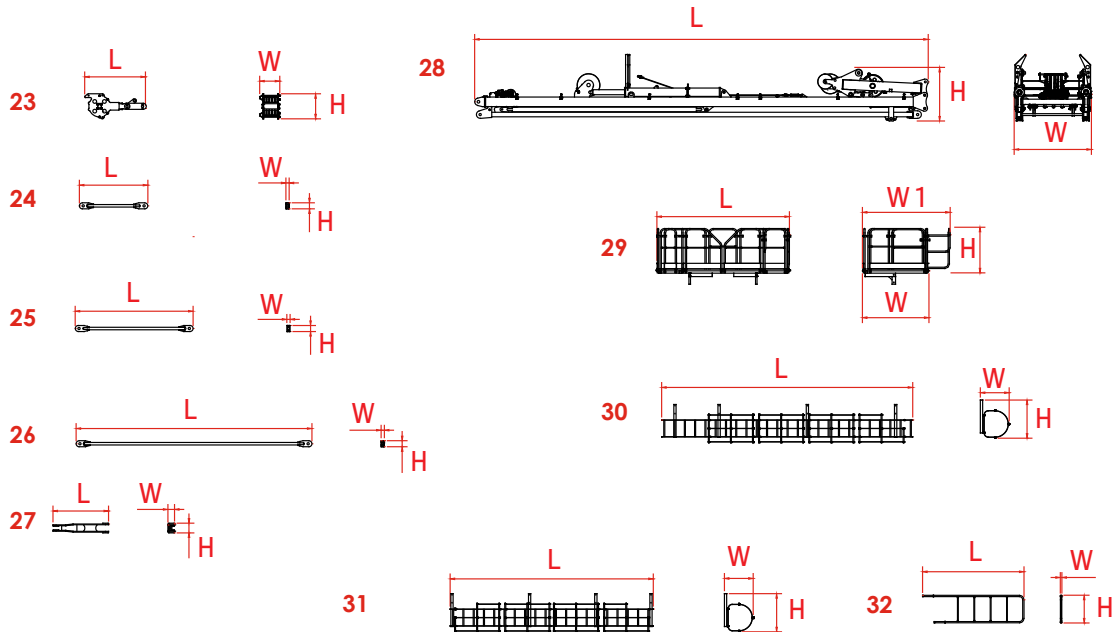
Kg Unit weight

JIB AND COUNTER-JIB PACKING LIST

| Jib and Counter-jib Elements | | DIMENSIONS [m] | | | | |
|---|------|------------------|--------|-------|-------|--------|
| UNIT | POS. | QUANTITY | L | W | H | Kg |
| Jib element* | 01 | 1 | 10 443 | 1 933 | 2 061 | 2 822 |
| Jib element | 02 | 1 | 10 383 | 1 925 | 1 969 | 1 480 |
| Jib element* | 03 | 1 | 10 383 | 1 953 | 1 969 | 1 466 |
| Jib element | 04 | 1 | 10 383 | 1 925 | 1 969 | 1 369 |
| Jib element | 05 | 1 | 10 383 | 1 925 | 1 992 | 1 431 |
| Jib element | 06 | 1 | 5 260 | 1 925 | 1 969 | 845 |
| Jib element | 07 | 1 | 8 314 | 2 027 | 2 243 | 1 666 |
| Counter-jib | 08 | 1 | 6 433 | 2 190 | 2 273 | 4 045 |
| Balcony (left side) | 09 | 1 | 4 984 | 2 300 | 2 717 | 882 |
| Balcony (right side) | 10 | 1 | 4 684 | 1 022 | 1 717 | 308 |
| Hoisting winch with rope (110 kW) | 11 | 1 | 3 323 | 2 183 | 1 870 | 6 524 |
| Luffing winch with rope (75 kW) | 12 | 1 | 2 580 | 1 660 | 1 512 | 3 156 |
| Counterweight access ladder | 13 | 1 | 2 770 | 123 | 516 | 30 |
| Counterweight fixing system | 14 | 1 | 1 264 | 135 | 534 | 7 |
| External tie Counterweight | 15 | 1 | 2 930 | 94 | 24 | 11 |
| internal tie Counterweight | 16 | 1 | 2 895 | 65 | 54 | 12 |
| A-Frame Support | 17 | 1 | 2 570 | 2 100 | 2 430 | 3 141 |
| External ladder (left side) | 18 | 1 | 1 840 | 145 | 566 | 32 |
| External ladder (right side) | 19 | 1 | 1 160 | 130 | 596 | 18 |
| A-Frame support balcony | 20 | 1 | 2 390 | 975 | 1 717 | 148 |
| Slewing unit | 21 | 1 | 2 970 | 2 320 | 2 074 | 10 351 |
| Slewing unit balcony | 22 | 1 | 2 825 | 571 | 1 304 | 97 |
| Balcony with Cabin and electrical cabin | 23 | 1 | 4 696 | 2 155 | 2 310 | 2 067 |
| Hook Block | 24 | 1 | 1 281 | 500 | 1 422 | 675 |
| Counter-weight 21510_01 | 25 | 1 | 5 000 | 1 030 | 810 | 6 600 |
| Counter-weight 21510_02 | 26 | 5 | 5 000 | 1 030 | 510 | 5 200 |

* With platform and accessories

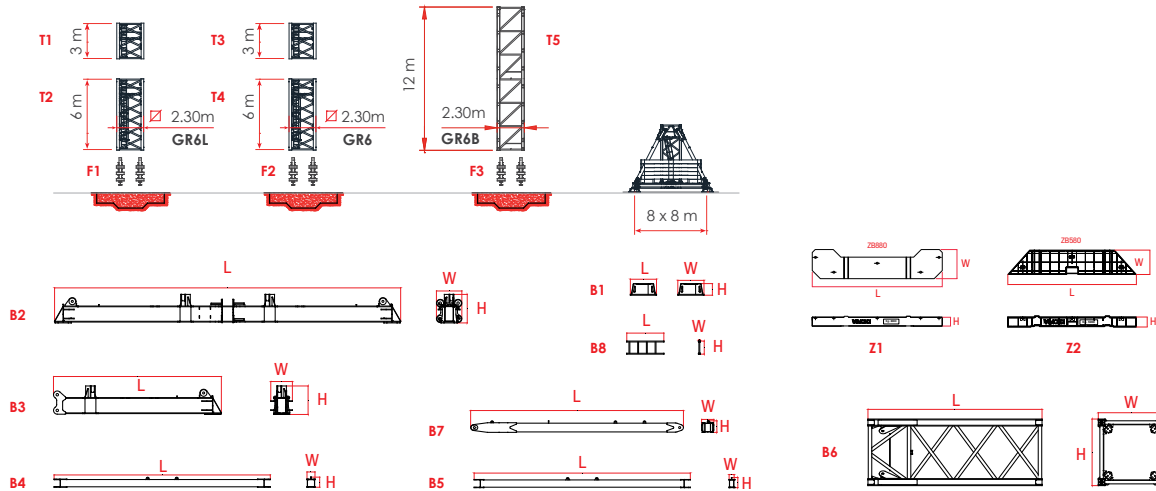
A-FRAME PACKING LIST



A-Frame Elements

| UNIT | POS. | QUANTITY | DIMENSIONS [m] | | | UNIT WEIGHT |
|--------------------------------------|------|----------|------------------|-------|-------|-------------|
| | | | L | W | H | Kg |
| Mobile sheave block for luffing rope | 23 | 1 | 1 597 | 660 | 528 | 296 |
| Tie short | 24 | 1 | 1 800 | 85 | 160 | 60 |
| Tie medium | 25 | 3 | 3 100 | 85 | 160 | 281 |
| Tie long | 26 | 4 | 6 200 | 85 | 160 | 697 |
| Tie | 27 | 1 | 1 460 | 175 | 255 | 96 |
| Counter-jib A-frame unit | 28 | 1 | 11 922 | 2 030 | 1 750 | 5 730 |
| Balcony | 29 | 1 | 3 485 | 1 750 | 1 467 | 350 |
| Top Ladder | 30 | 1 | 6 600 | 757 | 1 005 | 135 |
| Bottom Ladder | 31 | 1 | 5 340 | 757 | 1 005 | 120 |
| Removable handrails | 32 | 1 | 2 667 | 43 | 733 | 15 |

TOWER AND BASE PACKING LIST



Tower 2,30 m and base package list

| UNIT | POS. | QUANTITY | DIMENSIONS [m] | | | UNIT WEIGHT | | |
|-------------------------|-------|----------|------------------|---|--------|-------------|-------|---------|
| | | | L | W | H | Kg | H | Kg |
| Tower element | GR6L | 3,0 | T1 | 1 | 3,000 | 2,290 | 2,276 | 2 680 |
| Tower element | | 6,0 | T2 | 1 | 6,000 | 2,290 | 2,276 | 4 865 |
| Tower element | GR6 | 3,0 | T3 | 1 | | | | |
| Tower element | | 6,0 | T4 | 1 | 6,000 | 2,340 | 2,318 | 5 920 |
| Tower element | GR6B | 12,0 | T5 | 1 | 12,000 | 2,550 | 2,320 | 15 620 |
| Foundation legs GR6L | | | | 4 | 2,135 | 0,60 | 0,60 | 467 x 4 |
| Foundation legs GR6 | | | | 4 | 2,515 | 0,80 | 0,80 | 810 x 4 |
| Foundation legs GR6B | | | | 4 | 2,525 | 0,80 | 0,80 | 960 x 4 |
| Crossbase support | | | B1 | 4 | 0,900 | 900 | 400 | 352 |
| Crossbase long beam | | | B2 | 1 | 11,915 | 875 | 980 | 3 415 |
| Crossbase short beam | | | B3 | 2 | 5,780 | 745 | 980 | 1 625 |
| Crossbase traverse | | | B4 | 2 | 7,440 | 275 | 347 | 288 |
| Crossbase traverse | | | B5 | 2 | 7,440 | 174 | 347 | 468 |
| Crossbase tower element | | | B6 | 1 | 5,990 | 2,300 | 2,300 | 5,428 |
| Crossbase struts | | | B7 | 4 | 7,324 | 420 | 397 | 683 |
| Crossbase access ladder | | | B8 | 1 | 1,275 | 60 | 45 | 10 |
| Main ballast | ZB880 | | Z1 | 2 | 6,650 | 450 | 1,490 | 8 000 |
| Ballast | ZB580 | | Z2 | - | 5,580 | 450 | 1,100 | 5 000 |



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DATA SHEETS REV.00.2019 / ADL



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