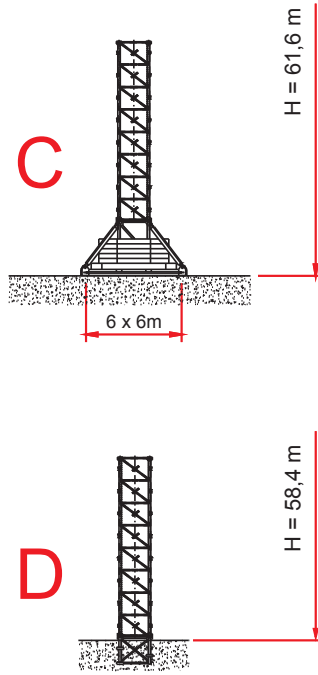


A4 FEM1.001

H = Height under hook
Altezza sotto gancio
Hauteur sous crochet
Altura bajo el gancho
Высота под крюком



TOWER CONFIGURATION - REACTIONS

CONFIGURAZIONE TORRE - REAZIONI / CONFIGURATION TOUR - RÉACTIONS / TORRE DE CONFIGURACIÓN - REACCIONES / КОНФИГУРАЦИЯ БАШНИ - РЕАКЦИИ

▣ 2,1 m L = 6,0 m - B

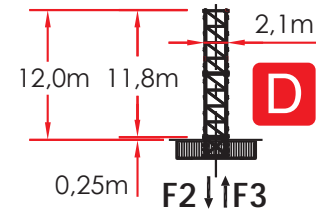
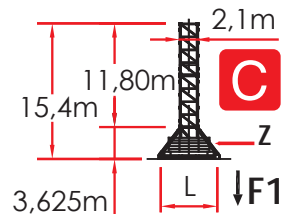
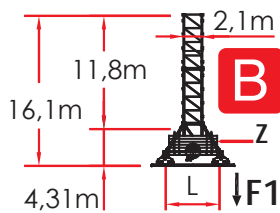
| | H (m) | Z (t) | F1(kN) |
|----|-------|-------|--------|
| 8 | 5,9 m | 62,5 | 96,46 |
| 7 | 5,9 m | 56,6 | 90,00 |
| 6 | 5,9 m | 50,7 | 83,54 |
| 5 | 5,9 m | 44,8 | 77,08 |
| 4 | 5,9 m | 38,9 | 70,62 |
| 3 | 5,9 m | 33,0 | 70,62 |
| +2 | 5,9 m | 27,1 | 70,62 |

▣ 2,1 m L = 6,0 m - C

| | H (m) | Z (t) | F1(kN) |
|----|-------|-------|--------|
| 8 | 5,9 m | 61,6 | 96,46 |
| 7 | 5,9 m | 55,7 | 90,00 |
| 6 | 5,9 m | 49,8 | 83,54 |
| 5 | 5,9 m | 43,9 | 77,08 |
| 4 | 5,9 m | 38,0 | 70,62 |
| 3 | 5,9 m | 32,1 | 70,62 |
| +2 | 5,9 m | 26,2 | 70,62 |

▣ 2,1 m - D

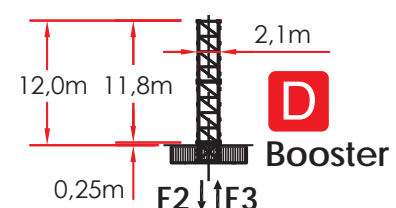
| | H (m) | F2(kN) | F3(kN) |
|----|-------|--------|--------|
| 8 | 5,9 m | 58,4 | 1805 |
| 7 | 5,9 m | 52,5 | 1590 |
| 6 | 5,9 m | 46,6 | 1468 |
| 5 | 5,9 m | 40,7 | 1361 |
| 4 | 5,9 m | 34,8 | 1265 |
| 3 | 5,9 m | 28,9 | 1182 |
| +2 | 5,9 m | 23,0 | |



Comply with the specified ballast / Attenersi alla zavorra indicata / S'en tenir au lest indiqué / Respetar el peso de lastre indicado / Соблюдать указанный балласт

▣ 2,1m L - Booster

| | H (m) | F2(kN) | F3(kN) |
|----|-------|--------|--------|
| 9 | 5,9 m | 64,3 | 2309 |
| 8 | 5,9 m | - | - |
| 7 | 5,9 m | - | - |
| 6 | 5,9 m | - | - |
| 5 | 5,9 m | - | - |
| 4 | 5,9 m | - | - |
| 3 | 5,9 m | - | - |
| +2 | 5,9 m | - | - |



ER 240 _28.0T

LOAD DIAGRAMS 28.0 T

DIAGRAMMA DI PORTATA / DIAGRAMME DE CHARGE UTILE / CURVAS DE CARGA / ДИАГРАММА ГРУЗОПОДЪЕМНОСТИ

28.000 Kg




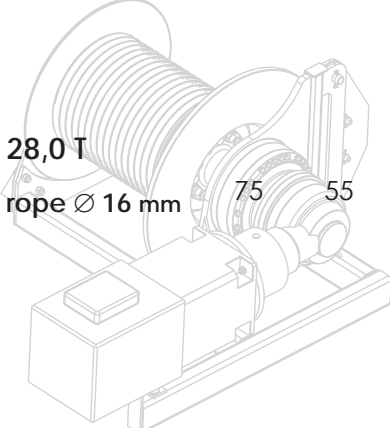
| JIB | 22.0 | 28.0 | 34.0 | 38.0 | 44.0 | 48.0 | 54.0 |
|-------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 2,8 ▶ | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 9.0 |
| 2 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 |
| 4 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 |
| 6 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 |
| 8 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 |
| 10 | 28000 | 28000 | 28000 | 28000 | 28000 | 28000 | 27945 |
| 12 | 24445 | 22732 | 22818 | 22795 | 22727 | 22585 | 22481 |
| 14 | 20359 | 18910 | 18983 | 18963 | 18906 | 18786 | 18698 |
| 16 | 17364 | 16108 | 16171 | 16154 | 16104 | 16000 | 15923 |
| 18 | 15073 | 13965 | 14020 | 14005 | 13961 | 13869 | 13802 |
| 20 | 13264 | 12273 | 12322 | 12309 | 12270 | 12187 | 12127 |
| 22 | 11800 | 10903 | 10948 | 10936 | 10900 | 10826 | 10771 |
| 24 | | 9772 | 9813 | 9802 | 9769 | 9701 | 9651 |
| 26 | | 8821 | 8859 | 8849 | 8819 | 8756 | 8710 |
| 28 | | 8011 | 8046 | 8037 | 8009 | 7951 | 7909 |
| 30 | | | 7346 | 7337 | 7312 | 7258 | 7218 |
| 32 | | | 6736 | 6728 | 6704 | 6653 | 6616 |
| 34 | | | 6200 | 6192 | 6170 | 6122 | 6088 |
| 36 | | | | 5718 | 5697 | 5652 | 5619 |
| 38 | | | | 5295 | 5275 | 5232 | 5201 |
| 40 | | | | | 4896 | 4856 | 4827 |
| 42 | | | | | 4554 | 4516 | 4488 |
| 44 | | | | | 4244 | 4208 | 4181 |
| 46 | | | | | | 3927 | 3902 |
| 48 | | | | | | 3670 | 3646 |
| 50 | | | | | | | 3411 |
| 52 | | | | | | | 3195 |
| 54 | | | | | | | 2995 |

ULTRALIFT _ALL INTERMEDIATE LOADS ARE DECREASED OF 10% IF THE CRANE IS NOT EQUIPPED WITH ULTRALIFT CONTROL / SENZA IL SISTEMA ULTRALIFT TUTTE LE PORTATE INTERMEDIE DIMINUISCONO IL CARICO DEL 10% / LES CHARGES INTERMEDIARES SONT DIMINUÉES DE 10% SI LA GRUE N'EST PAS ÉQUIPÉ D'UN CONTROLE ULTRALIFT / SIN EL SISTEMA ULTRALIFT LOS MISAURA INTERMEDIOS DISMINUIR EL CARICO DEL 10% / БЕЗ ULTRALIFT ПРОМЕЖУТОЧНОЙ УМЕНЬШАЕТСЯ НА 10% НАГРУЗКИ.

HOISTING WINCH INVERTER - PERFORMANCES

MECCANISMI / MÉCANISMES / MECANISMOS / МЕХАНИЗМЫ

400 VOLT ± 5% - 50Hz _DIRECTIVE 14/12 - 2005/88/CE

| HOISTING WINCH | POWER POTENZA | ROPE FUNE | STEP MARCIA | LOAD CARICO | SPEED VELOCITÀ | LOAD CARICO | SPEED VELOCITÀ |
|--|------------------|--------------|----------------|----------------|--|----------------|--|
| ARGANO | CV-ch Ps-hp | kW | m. | Kg. |  m/min. | Kg. |   m/min. |
|  <p>28,0 T rope Ø 16 mm</p> <p>75 55</p> <p>300 500 LB</p> | | | 1 | 14000 | 4 | 28000 | 2 |
| | | | 2 | 14000 | 12 | 28000 | 6 |
| | | | 3 | 14000 | 20 | 28000 | 10 |
| | | | 4 | 7200 | 32 | 14400 | 16 |
| | | | 5 | 5000 | 40 | 10000 | 20 |
| | | | | | | | 55 kW |
| ABSORPTIONS / ASSORBIMENTI | | | | | | | 62 kW |



SLEWING

 0,26 / 0,48 / 0,7 min⁻¹

3 X 4 kW



TROLLEY

6,0 / 17,0 / 28,0 m/min

11 kW



TRAVELLING








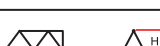



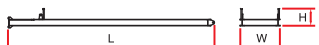
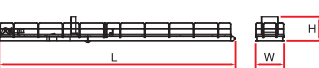
19 m/min

4 X 4 kW

(*) SPEED AUTOMATICALLY CONTROLLED BY A CURRENT SENSOR / VELOCITÀ REGOLATA AUTOMATICAMENTE DA SENSORE DI CORRENTE / VITESSE RÉGLÉE AUTOMATIQUEMENT PAR CAPTEUR DE COURANT / ACELERAR CONTROLADO AUTOMÁTICAMENTE POR UN SENSOR DE CORRIENTE / СКОРОСТЬ АВТОМАТИЧЕСКИ РЕГУЛИРУЕТСЯ ДАТЧИКОМ ТОКА



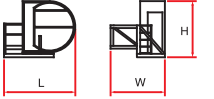
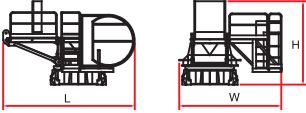
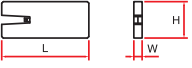



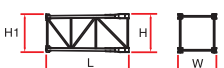



PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

| DESCRIPTION DENOMINAZIONE | ITEM POS. | PIECES PEZZI | DRAWING DISEGNO | DIMENSIONS mm | | | WEIGHT kg | | | |
|---|--------------|---|--|------------------|--|-------|--------------|-------|------|---|
| | | | | L | W | H | UNIT | TOTAL | | |
| JIB ELEMENT / ELEMENTO DI FRECCIA / ELÈMENT DE FLÈCHE / ELEMENTO DE FLECHA / элемент стрелка | 1 | n. 1 |  | 6,200 | 1,500 | 1,670 | 1105 | - | | |
| | | n. 2 |  | 4,240 | 1,500 | 1,670 | 731 | - | | |
| | | n. 3 |  | 6,240 | 1,500 | 1,670 | 1181 | - | | |
| | | n. 4-5 |  | 6,240 | 1,500 | 1,650 | 1050 | - | | |
| | | n. 6-7 |  | 6,240 | 1500 | 1,650 | 1050 | - | | |
| | | n. 8 |  | 6,240 | 1,500 | 1,650 | 1001 | - | | |
| | | n. 9 |  | 6,240 | 1,500 | 1,630 | 1050 | - | | |
| | | n. 10 |  | 4,200 | 1,500 | 1,610 | 588 | - | | |
| | | JIB POINT / PUNTALE FRECCIA / ELÈMENT POINTE / PUNTALE DE FLECHA / наконечник стрелка | 1 | |  | 0,740 | 1,510 | 0,340 | 121 | - |
| | | A FRAME / CUSPIDE / POINTE / CÛSPIDE / ШПИЛЬ | 2 | 1 |  | 9,500 | 1,550 | 0,800 | 3500 | - |
| EXTERNAL COUNTERJIB SECTION WITH HOISTING WINCH, ELECTRICAL BOX. TERMINAL ELEMENT* / ELEMENTO ESTERNO CONTROFRECCIA, ARGANO SOLL., QUADRO ELETR., PORTABLOCCHI* / CONTREFLÈCHE EXTÉRIEURE PORTE TREUIL DE LEVAGE, ARMOIRE ELECTRIQUE, ELÈMENT TERMINAL* / CONTRAFLECHA, CABRESTANTE DE ELEVACIÓN, CUADRO ELÉCTRICO / контрстрела лебедка, электрические, блокодержатель* | 3 | 1 |  | 7,100 | 2,270 | 2,040 | 3600 | - | | |
| INTERNAL COUNTERJIB SECTION / ELEMENTO INTERNO CONTROFRECCIA / CONTREFLÈCHE INTÉRIEUR / ELEMENTO INTERNO DE LA CONTRAFLECHA / внутренний элемент контрстрелы | 4 | 1 |  | 11,830 | 2,270 | 1,100 | 2100 | - | | |
| COMPLETE COUNTERJIB / CONTROFRECCIA COMPLETA / CONTREFLÈCHE COMPLÈTE / CONTRAFLECHA COMPLETA / полная контрстрела | 5 | 1 |  | 18,830 | 2,270 | 2,040 | 7000 | - | | |







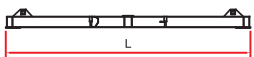







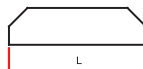

PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

| DESCRIPTION DENOMINAZIONE | ITEM POS. | PIECES PEZZI | DRAWING DISEGNO | DIMENSIONS mm | | | WEIGHT Kg | | | |
|--|--------------|-----------------|---|------------------|-------|-------|--------------|---------------------|------|-------|
| | | | | L | W | H | UNIT | TOTAL | | |
| SWITCHBOARD SUPPORT FRAME / CODA TELAIO GIREVOLE / SUPPORT DE L'ARMOIRE ÉLECTRIQUE / COLA BASTIDOR GIRATORIA / поворотный хвост станины | 6 | 1 |  | 2,470 | 1,700 | 2,530 | 1300 | - | | |
| SLEWING TABLE / GRUPPO GIREVOLE / TABLE TOURNANTE / GIRATORIO / вращения | 7 | 1 |  | 2,300 | 2,540 | 2,270 | 5500 | - | | |
| ACCESS BALCONY, CABIN / BALLATOIO CABINA, CABINA / PORTE CABINE / BALCÓN CORRIDO CABINA, CABINA / площадка кабины, кабина | 8 | 1 |  | 3,450 | 2,000 | 2,240 | 930 | - | | |
| ASSEMBLY OF POS. 6 - 7 - 8 / ASSIEME MONTATO N. 6 - 7 - 8 / GROUPE 6 - 7 - 8 / CONJUNTO MONTADO 6 - 7 - 8 / монтированный сборочный узел 6 - 7 - 8 | 9 | 1 |  | 5,890 | 4,240 | 3,350 | 8180 | - | | |
| COUNTERWEIGHT BLOCK / BLOCCHI DI CONTRAPESO / CONTRE-POIDS / BLOQUES DE CONTRAPESO / блокн противовеса | 10 | 11 |  | A | W | 2,870 | 1,200 | 0,275 | 2022 | 22242 |
| | | 1 |  | B | W | 1,815 | 1,200 | 0,275 | 1296 | - |
| TOWER ELEMENT / ELEMENTO DI TORRE ELÈMENT DE MATURE / ELEMENTO DE TORRE / башенный элемент | 11 | - |  | GR5 | | 5,90 | 2,300 | 2,300 | 3450 | - |
| | | 12 |  | | | 2,95 | 2,300 | 2,300 | 1900 | - |
| | 13 | - |  | GR6 | | 5,000 | 2,325 | H 2,320 H1 2,300 | 3000 | - |
| | | 14 |  | | | 6,000 | 2,325 | 2,320 | 5555 | - |
| BASE ELEMENT / ELEMENTO DI BASE / MAT DE BASE / ELEMENTO DE BASE / элемент основания | 15 | 1 |  | | | 3,000 | 2,400 | 2,400 | 1950 | - |
| CLIMBING CAGE / GABBIA DI MONTAGGIO / CAGE DE MONTAGE / JAULA DE MONTAJE / монтажная клеть | 16 | 1 |  | | | 8,530 | 3,100 | 2,300 | 7670 | - |

PACKING LIST

LISTA DEI COLLI / LISTE DE COLISAGE / LISTA DE CONTENIDO / ВЕС И ГАБАРИТНЫЕ РАЗМЕРЫ

| DESCRIPTION DENOMINAZIONE | ITEM POS. | PIECES PEZZI | DRAWING DISEGNO | DIMENSIONS mm | | | WEIGHT Kg | |
|--|--------------|-----------------|--|------------------|-------|-------|--------------|-------|
| | | | | L | W | H | UNIT | TOTAL |
| EXPENDABLE FOUNDATION ELEMENT / TRONCHETTO DI FONDAZIONE / ELÈMENT A SCELLER / TRONCO DE FUNDACIÓN / СТВОЛ ОСНОВАНИЯ | 17 | 1 |   | 1,820 | 2,400 | 2,400 | 1370 | - |
| FIXING ANGLES / GAMBE DI FONDAZIONE / PIEDS DE SCELLEMENT / PATAS DE FUNDACIÓN / НОЖКИ ОСНОВАНИЯ | 18 | 4 |   | 1,820 | 0,470 | 0,470 | 280 | 1120 |
| OBLIQUAL LEGS / PUNTONI DI BASE / JAMBES DE FORCE / CABRIOS DE BASE / СТОЙКИ ОСНОВАНИЯ | 19 | 4 |   | 3,770 | 0,230 | 0,260 | 340 | 1360 |
| BASE MAIN BEAM / TRAVE PRINCIPALE CROCIERA DI BASE / POUTRE DE CHASSIS DE BASE / VIGA PRINCIPAL DE LA CRUCETA DE BASE / главная балка крестовины основания | 20 | 1 |   | 8,900 | 0,720 | 0,760 | 1650 | - |
| HALF BASE BEAM / SEMITRAVE DI BASE / SEMIPOUTRE DE CHASSIS DE BASE / MEDIA VIGA DE LA CRUCETA DE BASE / полубалка крестовины основания | 21 | 2 |   | 4,350 | 0,600 | 0,760 | 750 | 1500 |
| DRIVEN BOGIE / BILANCINO TRASLAZIONE MOTORIZZATO / BOGGIE MOTORISÉÉ / BALANCÍN DE TRASLACIÓN MOTORIZADO / приводной балансир горизонтального перемещения | 22 | 4 |   | 1,750 | 0,705 | 0,790 | 1000 | 4000 |
| BASE BALLAST BLOCK / BLOCCO DI ZAVORRA / LEST DE BASE / BLOQUE DE LASTRE / блок балласта | 23 | - |   3G | 4,200 | 0,320 | 1,400 | 3230 | - |
| | | - |   3H | 5,200 | 0,400 | 1,400 | 6240 | - |

[ER 240 - 28T _REV. _0312] ADL / TECHNICAL DEPARTEMENT

THE DATA OBJECT OF THESE SHEETS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE / I DATI OGGETTO DELLE PRESENTI SCHEDE POTREBBERO SUBIRE MODIFICHE SENZA PREAVVISO / LES INFORMATIONS DONNÉES DANS LES PRÉSENTES FICHES POURRAIENT SUBIR DES MODIFICATIONS SANS PRÉAVIS / LOS DATOS CONTENIDOS EN ESTE FORMULARIO ESTÁN SUJETAS A CAMBIOS SIN PREVIO AVISO / ДАННЫЕ, УКАЗАННЫЕ В НАСТОЯЩИХ СПЕЦИФИКАЦИЯХ, МОГУТ ИЗМЕНЯТЬСЯ БЕЗ ПРЕДВАРИТЕЛЬНОГО ПРЕДУПРЕЖДЕНИЯ.