








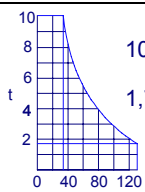
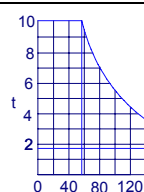
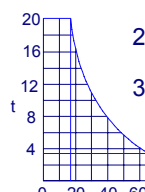
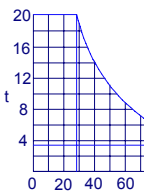



|  SR [t] | | Cargas máximas / Maximum loads | | | | | | | | | | 10 t |
|---|------|---|------|------|------|------|----|----|------|----|----|---------|
| | | Alcance del gancho [m] / Hook reach [m] | | | | | | | | | | |
| PLUMA JIB [m] | | | | | | | | | | | | a...[m] |
| | 80 | 74,5 | 68,5 | 63 | 57 | 51,5 | 46 | 40 | 34,5 | 30 | 25 | |
| 80 | 5,10 | 5,62 | 6,28 | 7,01 | 7,95 | 9,01 | 10 | 10 | 10 | 10 | 10 | 47,3 |
| 74,5 | — | 5,70 | 6,37 | 7,10 | 8,05 | 9,13 | 10 | 10 | 10 | 10 | 10 | 47,8 |
| 68,5 | — | — | 7,20 | 8,00 | 9,05 | 10 | 10 | 10 | 10 | 10 | 10 | 52,5 |
| 63 | — | — | — | 8,70 | 9,82 | 10 | 10 | 10 | 10 | 10 | 10 | 56,2 |
| 57 | — | — | — | — | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 57 |
| 51,5 | — | — | — | — | — | 10 | 10 | 10 | 10 | 10 | 10 | 51,5 |
| 46 | — | — | — | — | — | — | 10 | 10 | 10 | 10 | 10 | 46 |
| 40 | — | — | — | — | — | — | — | 10 | 10 | 10 | 10 | 40 |
| 34,5 | — | — | — | — | — | — | — | — | 10 | 10 | 10 | 34,5 |

|  DR [t] | | Cargas máximas / Maximum loads | | | | | | | | | | 20 t |
|---|------|---|------|------|------|-------|-------|-------|-------|-------|-------|---------|
| | | Alcance del gancho [m] / Hook reach [m] | | | | | | | | | | |
| PLUMA JIB [m] | | | | | | | | | | | | a...[m] |
| | 80 | 74,5 | 68,5 | 63 | 57 | 51,5 | 46 | 40 | 34,5 | 30 | 25 | |
| 80 | 4,40 | 4,90 | 5,55 | 6,25 | 7,17 | 8,20 | 9,48 | 11,28 | 13,47 | 15,87 | 19,54 | 24,5 |
| 74,5 | — | 5 | 5,65 | 6,36 | 7,29 | 8,34 | 9,63 | 11,45 | 13,67 | 16,10 | 19,81 | 24,8 |
| 68,5 | — | — | 6,50 | 7,28 | 8,31 | 9,46 | 10,89 | 12,90 | 15,35 | 18,02 | 20 | 27,4 |
| 63 | — | — | — | 8 | 9,10 | 10,34 | 11,87 | 14,02 | 16,66 | 19,53 | 20 | 29,4 |
| 57 | — | — | — | — | 9,50 | 10,78 | 12,36 | 14,59 | 17,31 | 20 | 20 | 30,4 |
| 51,5 | — | — | — | — | — | 11,50 | 13,17 | 15,52 | 18,39 | 20 | 20 | 32,0 |
| 46 | — | — | — | — | — | — | 13,50 | 15,89 | 18,82 | 20 | 20 | 32,7 |
| 40 | — | — | — | — | — | — | — | 16 | 18,94 | 20 | 20 | 32,9 |
| 34,5 | — | — | — | — | — | — | — | — | 18,50 | 20 | 20 | 32,2 |

CARACTERISTICAS DE MECANISMOS / MECHANISMS FEATURES

| *opcional / *optional |  EC88130VF | |  *EC150215VF | |  TG4025VF |  OG4006VF |  TC1290VF |  TH2506 |
|--|--|--|---|--|--|--|--|--|
|  |  10 t ---- 0...34 m/min. 1,7 t ---- 0...130 m/min. |  10 t ---- 0...56 m/min. 1,7 t ---- 0...215 m/min. |  20 t ---- 0...17 m/min. 3,4 t ---- 0...65 m/min. |  20 t ---- 0...28 m/min. 3,4 t ---- 0...107 m/min. | 0...20 m/min | 0...0,1 0,1...0,3 0,3...0,6 r/min s/min | 10 t 0...90 m/min 20 t 0...45 m/min | 0,6 m/min |
| KW | 65 | | 110 | | 4 x 7,5 | 4 x 7,5 | 8,8 | 18,4 |
| Máx. recorrido gancho / Maximum hook course | SR | 412m | DR | 206m |  Potencia necesaria con ... / Power required with ... 400V 50Hz EC 88130VF = 133,8 kW EC150215VF = 178,8 kW | | | |

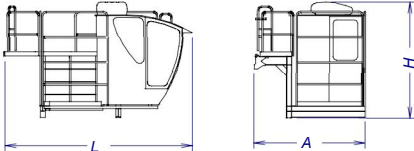
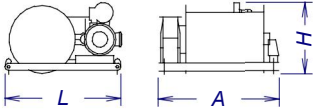
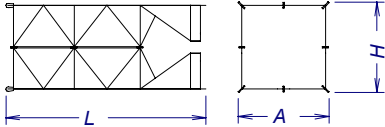
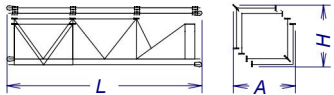
Importante: A medida que la altura bajo gancho aumenta, disminuye la capacidad de carga de la grúa. Para alturas superiores a la autoestable consultar a JASO EQUIPOS DE OBRAS Y CNES, S.L.

Important: When the height under hook increases, the hoisting load will decrease. If the height under hook is higher than the free standing height, consult to JASO EQUIPOS DE OBRAS Y CNES, S.L.

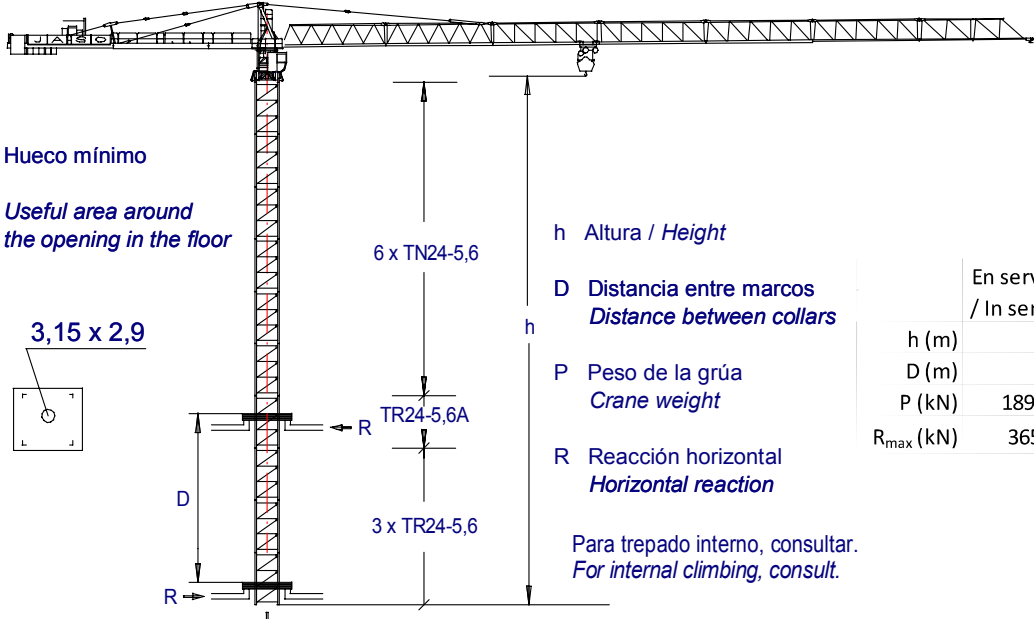


| DENOMINACION / DENOMINATION | | L [m] | A [m] | H [m] | P / W [kg] |
|---|---------------|----------|----------|----------|---------------|
| Torre desmontada <i>Dismantled tower</i> | TND24-5,6 | 5,965 | 1,10 | 2,553 | 4550 |
| | TRD24-5,6 | 5,99 | 1,17 | 2,545 | 5220 |
| | TRD24-5,6A | 5,98 | 1,17 | 2,545 | 5130 |
| Torre montada <i>Assembled tower</i> | TN24-5,6 | 5,965 | 2,74 | 2,825 | 4010 |
| | TRS20-2,8 | 3,19 | 2,25 | 2,25 | 2380 |
| | TR24-5,6 | 5,99 | 2,76 | 2,835 | 4625 |
| | TRD24-5,6A | 5,977 | 2,74 | 2,825 | 5130 |
| | | | | | |
| Larguero largo, reducción <i>Long crossbar</i> | TN24/TRS20 | 4,856 | 0,6 | 1,742 | 2485 |
| Larguero corto, reducción <i>Short crossbar</i> | TN24/TRS20 | 2,368 | 0,585 | 1,742 | 1165 |
| Conjunto asiento pista, punta de torre y orientación <i>Slewing table assembly, tower head and slewing mechanism</i> | | 7,2 | 2,3 | 2,5 | 16150 |
| Tramo pluma <i>Jib section</i> | PC22-1 (I) | 11,645 | 2,226 | 2,502 | 4810 |
| | PC22-2 (II) | 11,742 | 2,266 | 2,467 | 5700 |
| | PC22-3 (III) | 11,742 | 2,06 | 2,467 | 5915 |
| | PC22-4 (IV) | 11,742 | 2,06 | 2,467 | 5130 |
| Tramo pluma <i>Jib section</i> | PT22-5 (V) | 11,742 | 2,06 | 2,455 | 2915 |
| | PT22-6 (VI) | 11,742 | 2,06 | 2,455 | 1990 |
| | PT22-7 (VII) | 5,917 | 2,06 | 2,43 | 1100 |
| | PT22-8 (VIII) | 5,86 | 2,06 | 2,405 | 680 |
| Polipasto <i>Hook assembly</i> | SR/DR | 2,070 | 0,710 | 1,370 | 1120 |
| Carro <i>Crab</i> | SR/DR | 3,260 | 2,330 | 2,200 | 1365 |
| Contrapluma con plataformas <i>Counterjib with platforms</i> | | 11,51 | 3,403 | 2,325 | 9150 |
| Prolongación larga de contrapluma con plataformas <i>Large counterjib extension with platforms</i> | | 10,35 | 2,02 | 0,88 | 4040 |
| Prolongación contrapluma con plataformas <i>Counterjib extension with platforms.</i> | | 5,480 | 2,02 | 0,945 | 2440 |



| DENOMINACION / DENOMINATION | L [m] | A [m] | H [m] | P / W [kg] | |
|--|--|--------|-------|------------|-------|
| Plataforma y cabina Platform and cabin |  | 4,33 | 2,57 | 2,7 | 1350 |
| Soporte y elevación Support and hoisting |  | 2,500 | 2,100 | 1,250 | 3325 |
| Torre de montaje montada Assembled jacking cage |  | 11,432 | 3,754 | 3,624 | 12100 |
| Torre de montaje desmontada Dismantled jacking cage |  | 11,712 | 2,340 | 2,57 | 12100 |

| LASTRES INFERIORES / LOWER BALLASTS | | Para alturas intermedias tomar el lastre correspondiente a la altura superior For intermediate heights take the ballast corresponding to the higher height | |
|--|--|---|------|
| Viento fuera de servicio / Out of service wind: FEM 1001 | | | |
| BRI 10-24 | Altura bajo gancho (m) / Height under hook (m) | 58,9 | 86,9 |
| Número de piedras a colocar Number of ballast blocks to put | Piedras de 6000 kg Blocks of 6000 kg | 8 | 12 |
| BNI 8-24 | Altura bajo gancho (m) / Height under hook (m) | 42,1 | 61,7 |
| Número de piedras a colocar Number of ballast blocks to put | Piedras de 6000 kg Blocks of 6000 kg | 12 | 16 |



Hueco mínimo
Useful area around the opening in the floor

3,15 x 2,9

6 x TN24-5,6

h Altura / Height

D Distancia entre marcos
Distance between collars

P Peso de la grúa
Crane weight

R Reacción horizontal
Horizontal reaction

3 x TR24-5,6

Para trepado interno, consultar.
For internal climbing, consult.

| | En servicio / In service | Fuera de servicio / Out of service |
|-----------------------|--------------------------|------------------------------------|
| h (m) | | 56 |
| D (m) | | 15 - 22 |
| P (kN) | 1898 | 1698 |
| R _{max} (kN) | 365 | 265 |



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Fecha / Date: 11-03-2011

DELEGACION / DELEGATION