



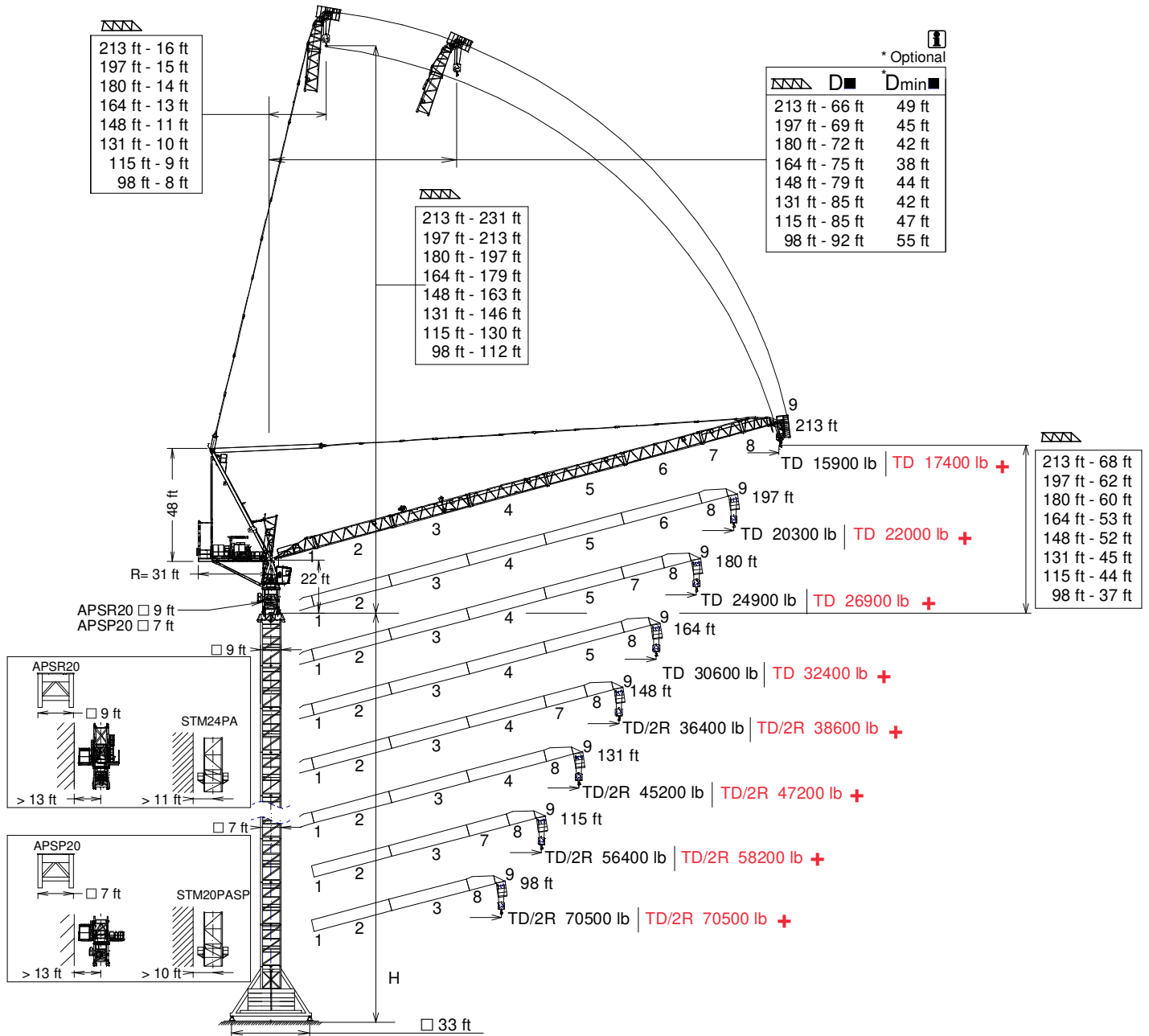
UNE 58-101  
FEM 1001

FEM 1001

# J638PA

GRUA TORRE / TOWER CRANE

UNE-EN-ISO 9001



H= Máxima altura de torre sin arriostrar (ft) / Maximum tower height without fastening (ft)

D ■ Distancias fuera de servicio dependen de la altura de la torre / Out of service distances depend on tower height

\*Dmin ■ Distancias mínimas fuera de servicio dependen de la altura de la torre / Out of service minimum distances depend on tower height

|                                               |                                               |                             |                           |
|-----------------------------------------------|-----------------------------------------------|-----------------------------|---------------------------|
| Tramo pluma 1 / Jib section 1 .....216.40.000 | Tramo pluma 6 / Jib section 6 .....216.45.000 | TR24-5,6 ..... 206.32.000   | TSP20 .....214.31.300     |
| Tramo pluma 2 / Jib section 2 .....216.41.000 | Tramo pluma 7 / Jib section 7 .....216.46.000 | TRD24-5,6 ..... 206.32.300  | TSP20-5,6 .....214.31.100 |
| Tramo pluma 3 / Jib section 3 .....216.42.000 | Tramo pluma 8 / Jib section 8 .....206.47.200 | TRID24-5,6 ..... 156.30.800 |                           |
| Tramo pluma 4 / Jib section 4 .....216.43.000 | Tramo pluma 9 / Jib section 9 .....212.48.000 | TR24/TSR20 ..... 204.36.500 |                           |
| Tramo pluma 5 / Jib section 5 .....216.44.000 |                                               |                             |                           |

## CUSTOMIZE YOUR CRANE

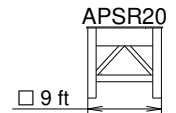
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|------------|-----------|---------------------|-------------------|-------------|---------------|----------|---------------|-------------------|---------------------------|------------------------------------|
|            |           |                     |                   |             |               |          |               |                   |                           |                                    |
| EXTRA Lift | OPTI Cube | TC Diagnosis SYSTEM | CLIMBING Solution | SAFETY Pack | Customization | ECO Mode | COMFORT Cabin | HIGH POWER Motors | JL25 Tower Crane Elevator | SMARTLINK<br>BE SMART keep control |



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08/09/2026

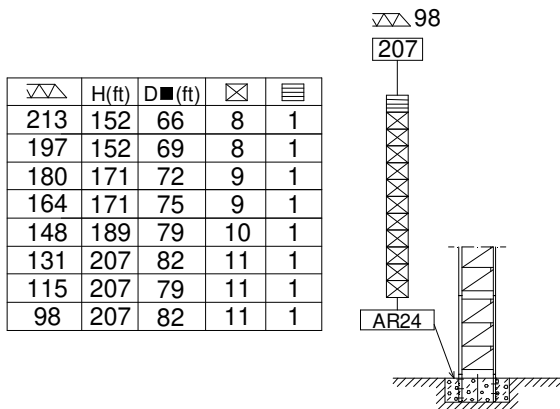
 \*Dmin ■



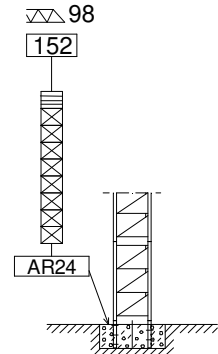
## (H) ESTACIONARIA / STATIONARY

TD

TD / 2R



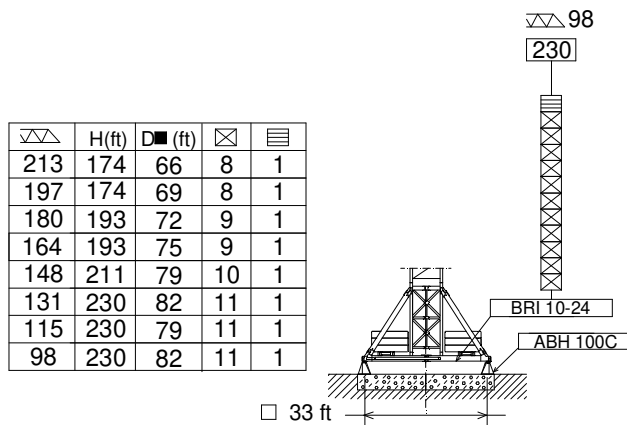
| ▽▽  | H(ft) | D■(ft) | ⊠ | ≡ |
|-----|-------|--------|---|---|
| 213 | 152   | 66     | 8 | 1 |
| 197 | 152   | 69     | 8 | 1 |
| 180 | 152   | 72     | 8 | 1 |
| 164 | 152   | 75     | 8 | 1 |
| 148 | 152   | 79     | 8 | 1 |
| 131 | 152   | 85     | 8 | 1 |
| 115 | 152   | 85     | 8 | 1 |
| 98  | 152   | 92     | 8 | 1 |



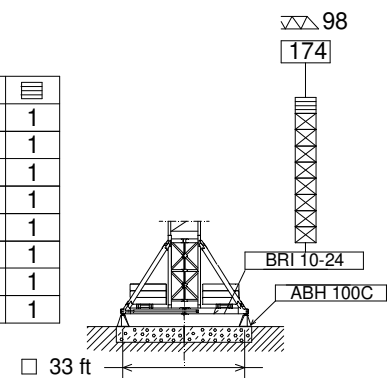
## (H) ESTACIONARIA 3 / STATIONARY 3

TD

TD / 2R



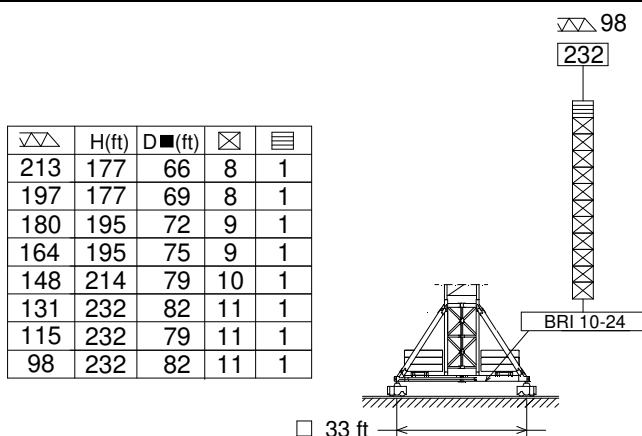
| ▽▽  | H(ft) | D■(ft) | ⊠ | ≡ |
|-----|-------|--------|---|---|
| 213 | 174   | 66     | 8 | 1 |
| 197 | 174   | 69     | 8 | 1 |
| 180 | 174   | 72     | 8 | 1 |
| 164 | 174   | 75     | 8 | 1 |
| 148 | 174   | 79     | 8 | 1 |
| 131 | 174   | 85     | 8 | 1 |
| 115 | 174   | 85     | 8 | 1 |
| 98  | 174   | 92     | 8 | 1 |



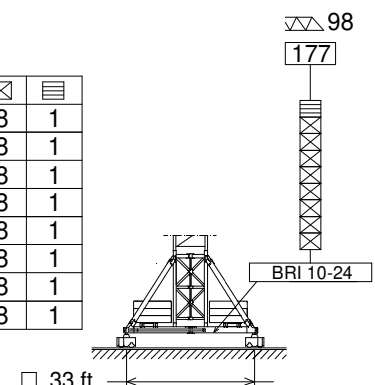
## (H) TRASLACION / TRAVELLING

TD

TD / 2R



| ▽▽ | H(ft) | D■(ft) | ⊠ | ≡ |
|----|-------|--------|---|---|
| 65 | 177   | 66     | 8 | 1 |
| 60 | 177   | 69     | 8 | 1 |
| 55 | 177   | 72     | 8 | 1 |
| 50 | 177   | 75     | 8 | 1 |
| 45 | 177   | 79     | 8 | 1 |
| 40 | 177   | 85     | 8 | 1 |
| 35 | 177   | 85     | 8 | 1 |
| 30 | 177   | 92     | 8 | 1 |



≡ TR24/TSR20

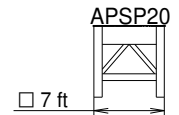
⊠ TR24-5,6

ASRD 20/24 ..... 156.21.000  
AR24 ..... 156.21.200

BRI 10-24 ..... 156.20.500  
ABH 100C ..... 170.23.000

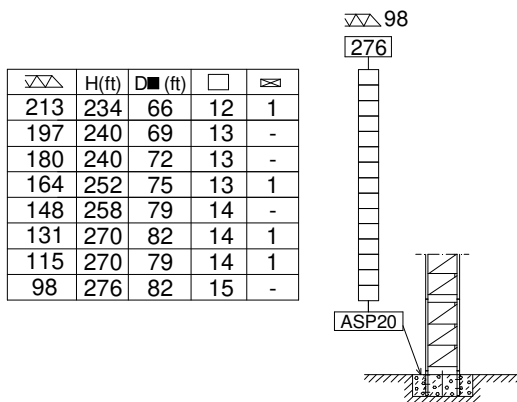
H= Máxima altura de torre sin arriostrar (ft) / Maximum tower height without fastening (ft)

 \*Dmin ■

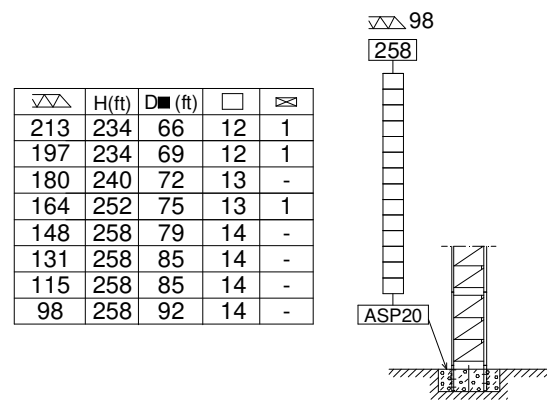


## (H) ESTACIONARIA / STATIONARY

TD

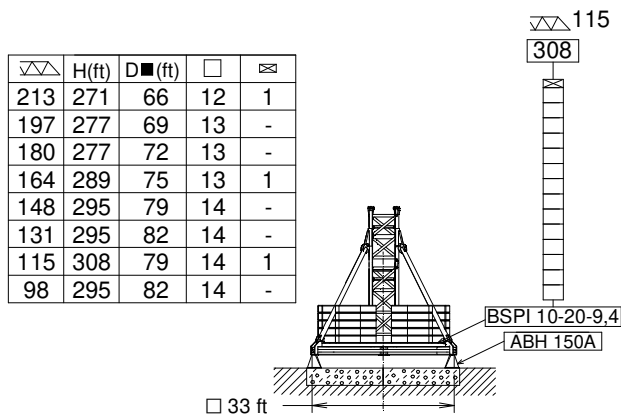


TD / 2R

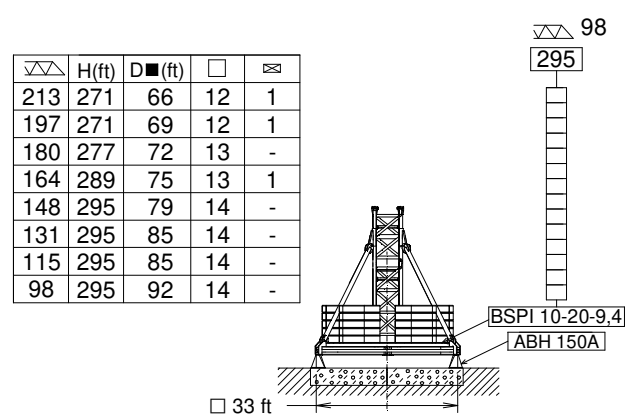


## (H) ESTACIONARIA 3 / STATIONARY 3

TD

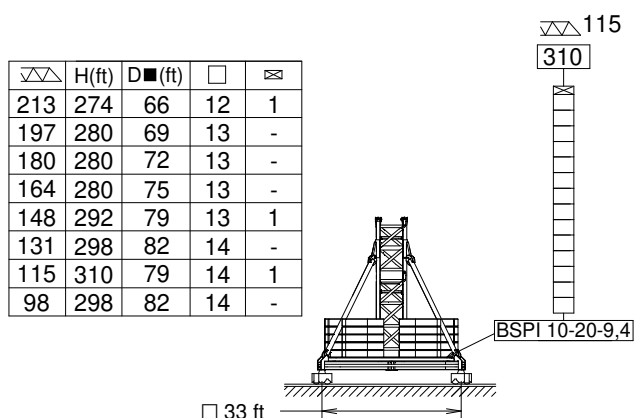


TD / 2R

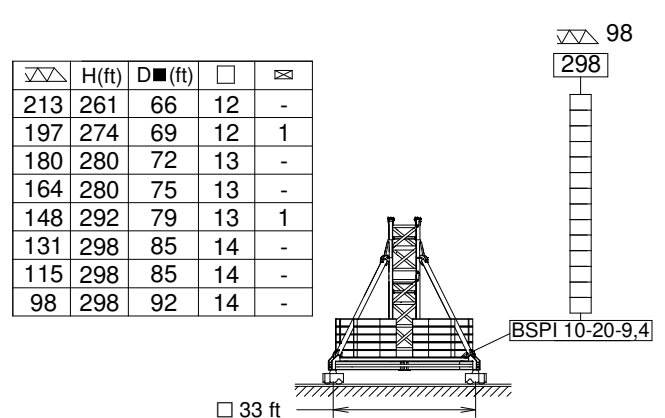


## (H) TRASLACION / TRAVELLING

TD



TD / 2R



⊠ TSP20

□ TSP20-5,6

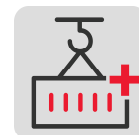
ASP20 .....212.21.200

ABH 150A ..... 212.23.000

H= Máxima altura de torre sin arriostrar (ft) / Maximum tower height without fastening (ft)



TD - 35300 lb



EXTRA Lift

|  | TD<br>35300 lb<br>@ ... (m) | 82    | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   |   |
|----------------------------------------------------------------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 213                                                                              | 143                         | 35300 | 35300 | 35300 | 35300 | 33300 | 27800 | 23100 | 19200 | 15900 |   |
|                                                                                  | 148                         | 35300 | 35300 | 35300 | 35300 | 35300 | 29500 | 25100 | 20900 | 17400 | + |
| 197                                                                              | 146                         | 35300 | 35300 | 35300 | 35300 | 34400 | 28900 | 24300 | 20300 | —     |   |
|                                                                                  | 151                         | 35300 | 35300 | 35300 | 35300 | 35300 | 30600 | 26200 | 22000 | —     | + |
| 180                                                                              | 148                         | 35300 | 35300 | 35300 | 35300 | 35300 | 29500 | 24900 | —     | —     |   |
|                                                                                  | 153                         | 35300 | 35300 | 35300 | 35300 | 35300 | 31500 | 26900 | —     | —     | + |
| 164                                                                              | 151                         | 35300 | 35300 | 35300 | 35300 | 35300 | 30600 | —     | —     | —     |   |
|                                                                                  | 156                         | 35300 | 35300 | 35300 | 35300 | 35300 | 32400 | —     | —     | —     | + |
| 148                                                                              | 148                         | 35300 | 35300 | 35300 | 35300 | 35300 | —     | —     | —     | —     |   |
|                                                                                  | 148                         | 35300 | 35300 | 35300 | 35300 | 35300 | —     | —     | —     | —     | + |
| 131                                                                              | 131                         | 35300 | 35300 | 35300 | 35300 | —     | —     | —     | —     | —     |   |
|                                                                                  | 131                         | 35300 | 35300 | 35300 | 35300 | —     | —     | —     | —     | —     | + |
| 115                                                                              | 115                         | 35300 | 35300 | 35300 | —     | —     | —     | —     | —     | —     |   |
|                                                                                  | 115                         | 35300 | 35300 | 35300 | —     | —     | —     | —     | —     | —     | + |
| 98                                                                               | 98                          | 35300 | 35300 | —     | —     | —     | —     | —     | —     | —     |   |
|                                                                                  | 98                          | 35300 | 35300 | —     | —     | —     | —     | —     | —     | —     | + |



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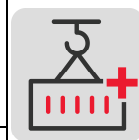


TD/2R

35300 / 70500 (lb)



ft



EXTRA Lift

|     |                                 | TD<br>35300 lb<br>@ (m)         | 66    | 82    | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   |   |
|-----|---------------------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
|     | <b>2R</b><br>70500 lb<br>@ (m)  | 138                             | 35300 | 35300 | 35300 | 35300 | 35300 | 31500 | 26000 | 21400 | 17600 | 14300 |   |
| 213 |                                 | 144                             | 35300 | 35300 | 35300 | 35300 | 35300 | 33700 | 28200 | 23400 | 19400 | 15700 | + |
| 197 |                                 | 141                             | 35300 | 35300 | 35300 | 35300 | 35300 | 32800 | 27300 | 22700 | 18700 | —     |   |
|     |                                 | 147                             | 35300 | 35300 | 35300 | 35300 | 35300 | 34800 | 29300 | 24700 | 20500 | —     | + |
| 180 | 88                              | 143                             | 70500 | 70500 | 61100 | 49400 | 40600 | 33700 | 28000 | 23400 | —     | —     |   |
|     | 90                              | 149                             | 70500 | 70500 | 62600 | 51100 | 42500 | 35700 | 30200 | 25600 | —     | —     | + |
| 164 | 90                              | 146                             | 70500 | 70500 | 62400 | 50700 | 41700 | 34800 | 29100 | —     | —     | —     |   |
|     | 91                              | 152                             | 70500 | 70500 | 63900 | 52200 | 43700 | 37000 | 31300 | —     | —     | —     | + |
| 148 | 92                              | 148                             | 70500 | 70500 | 64400 | 52500 | 43400 | 36400 | —     | —     | —     | —     |   |
|     | 94                              | 148                             | 70500 | 70500 | 66100 | 54200 | 45400 | 38600 | —     | —     | —     | —     | + |
| 131 | 94                              | 131                             | 70500 | 70500 | 66600 | 54500 | 45200 | —     | —     | —     | —     | —     |   |
|     | 96                              | 131                             | 70500 | 70500 | 68100 | 56200 | 47200 | —     | —     | —     | —     | —     | + |
| 115 | 96                              | 115                             | 70500 | 70500 | 68800 | 56400 | —     | —     | —     | —     | —     | —     |   |
|     | 98                              | 115                             | 70500 | 70500 | 70500 | 58200 | —     | —     | —     | —     | —     | —     | + |
| 98  | 98                              | 98                              | 70500 | 70500 | 70500 | —     | —     | —     | —     | —     | —     | —     |   |
|     | 98                              | 98                              | 70500 | 70500 | 70500 | —     | —     | —     | —     | —     | —     | —     | + |
|     | <b>2R</b><br>39700 lb<br>@ (ft) | <b>TD</b><br>19800 lb<br>@ (ft) | ft    |       |       |       |       |       |       |       |       |       |   |
|     |                                 |                                 | 82    | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   |       |   |
| 213 | 128                             | 190                             | 39700 | 39700 | 39700 | 39500 | 31500 | 26000 | 21400 | 17600 | 14300 |       |   |
|     | 133                             | 196                             | 39700 | 39700 | 39700 | 39700 | 33700 | 28200 | 23400 | 19400 | 15700 |       | + |
|     | <b>2R</b><br>57300 lb<br>@ (ft) | <b>TD</b><br>28700 lb<br>@ (ft) | ft    |       |       |       |       |       |       |       |       |       |   |
|     |                                 |                                 | 66    | 82    | 98    | 115   | 131   | 148   | 164   | 180   | 197   |       |   |
| 197 | 102                             | 159                             | 57300 | 57300 | 57300 | 48500 | 39700 | 32800 | 27300 | 22700 | 18700 |       |   |
|     | 104                             | 167                             | 57300 | 57300 | 57300 | 50000 | 41700 | 34800 | 29300 | 24700 | 20500 |       | + |

Datos válidos para / Valid data for

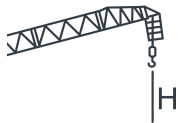
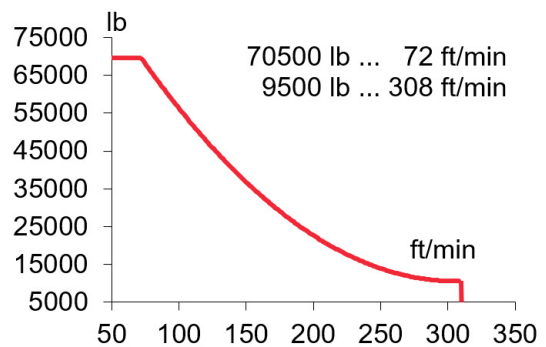
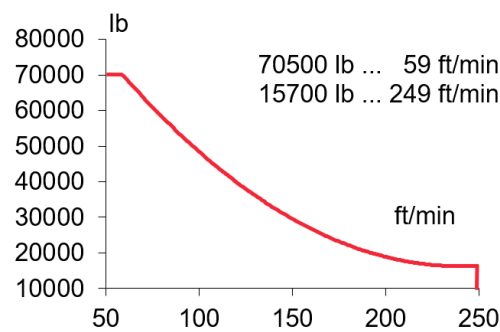
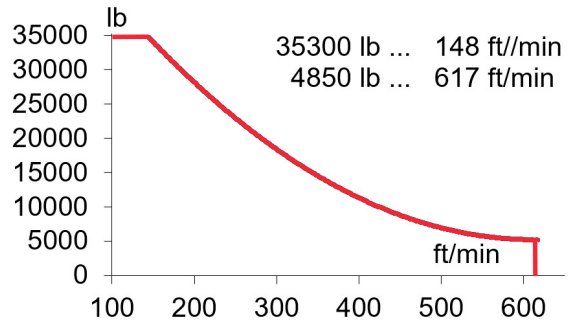
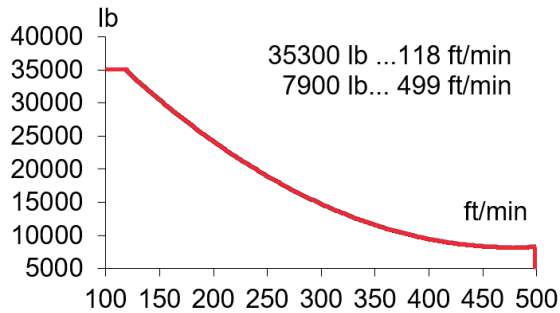

 2R H ≤ 361 ft  
 TD H ≤ 722 ft


FEM 1001



**EC150152VF**  
110 kW

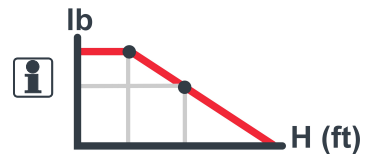
**\* EC180188VF**  
132 kW



$$H \leq \frac{TD}{2R} \quad \begin{matrix} 2133 \text{ ft} \\ 1066 \text{ ft} \end{matrix}$$



2753 ft



**OG2008VF**  
2 X 7,3 kW



**EP10015VF**  
75 kW



**TG4025VF**  
4 x 7,5 kW

0...0,8  
r/min  
sl/min

1,5  
min

0...82  
ft/min



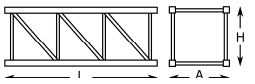
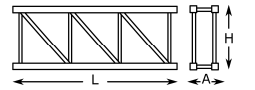
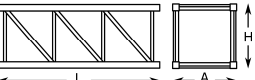
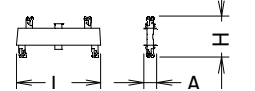
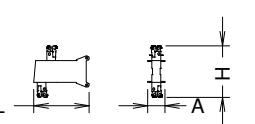
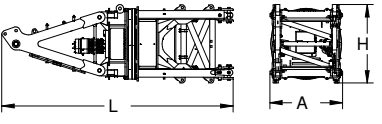
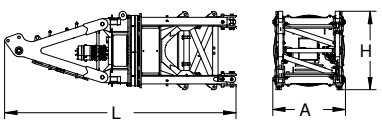
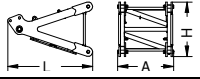
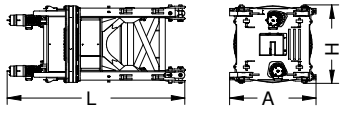
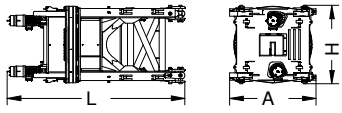
400V 50Hz  
480V 60Hz

| KVA        |     |     |     |
|------------|-----|-----|-----|
| EC150152VF | 103 | 146 | 189 |
| EC180188VF | 114 | 162 | 210 |



FEM 1001

**LISTA DE EMBARQUE / PACKING LIST**
**J638PA**

|                                                                                                             |            |                                                                                      | L (ft) | A (ft) | H (ft) | P/W (Lb) |
|-------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|--------|--------|--------|----------|
| Torre inferior / Lower tower                                                                                | TRID24-5,6 |    | 19.7   | 7.0    | 7.1    | 18190    |
| Torre desmontada / Dismantled tower                                                                         | TRD24-5,6  |    | 19.7   | 8.3    | 3.9    | 10850    |
| Torre / Tower                                                                                               | TR24-5,6   |    | 19.7   | 8.9    | 9.2    | 9900     |
|                                                                                                             | TSP20      |                                                                                      | 14.4   | 7.5    | 7.8    | 12380    |
|                                                                                                             | TSP20-5,6  |                                                                                      | 20.2   | 7.5    | 7.8    | 16900    |
| Larguero largo, reducción / Long crossbar, reduction                                                        | TR24/TSR20 |    | 15.9   | 2.1    | 5.5    | 6280     |
| Larguero corto reducción / Short crossbar, reduction                                                        | TR24/TSR20 |    | 7.8    | 1.9    | 5.5    | 3190     |
| Torre asiento pista + Torre superior + Orientación / Slewing table + Top tower + Slewing mechanism          | APSR20     |    | 24.7   | 7.8    | 8.3    | 41450    |
| Torre asiento pista + Torre superior + Orientación / Slewing table + Top tower + Slewing mechanism          | APSP20     |   | 24.7   | 7.6    | 8.6    | 49600    |
| Punta de torre / Tower head                                                                                 |            |  | 11.0   | 7.3    | 6.8    | 12790    |
| Torre asiento pista + Base punta de torre + Orientación Slewing table + Tower head base + Slewing mechanism | APSR20     |  | 17.1   | 8.3    | 7.8    | 28660    |
| Torre asiento pista + Base punta de torre + Orientación Slewing table + Tower head base + Slewing mechanism | APSP20     |  | 17.1   | 7.6    | 8.3    | 36820    |
| Tramo de pluma<br>Jib section                                                                               | 1          |  | 20.3   | 7.1    | 5.8    | 4030     |
|                                                                                                             | 2          |                                                                                      | 34.3   | 5.0    | 5.7    | 5560     |
|                                                                                                             | 3          |                                                                                      | 34.5   | 5.0    | 5.7    | 5270     |
|                                                                                                             | 4          |                                                                                      | 34.6   | 5.0    | 5.7    | 4760     |
|                                                                                                             | 5          |                                                                                      | 34.6   | 4.9    | 5.7    | 4320     |
|                                                                                                             | 6          |                                                                                      | 34.6   | 4.9    | 5.7    | 3860     |
|                                                                                                             | 7          |                                                                                      | 18.4   | 4.9    | 5.7    | 2270     |
|                                                                                                             | 8          |                                                                                      | 12.2   | 4.9    | 6.1    | 2250     |
|                                                                                                             | 9          |                                                                                      | 6.6    | 6.2    | 6.7    | 2230     |

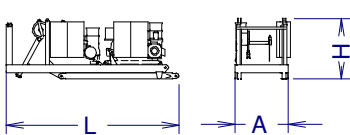
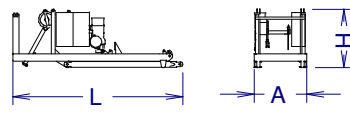
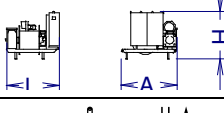
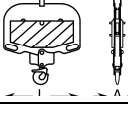
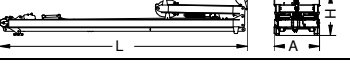
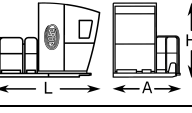
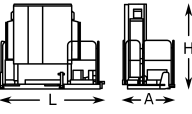
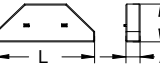

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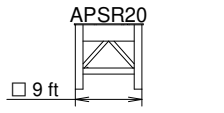
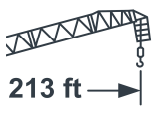
# LISTA DE EMBARQUE / PACKING LIST

**J638PA**

|                                                                                                                                                              |                                                                                                          | L (ft)     | A (ft)     | H (ft)     | P/W(Lb)     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------|------------|------------|-------------|
| Contrapluma + Mecanismos + Pasteca + Plumín<br>(sin cable de elevación) / Counterjib + Mechanisms +<br>Reeving block + Auxiliary jib (without hoisting rope) |                        | 29.9       | 7.8        | 9.1        | 56220       |
| Contrapluma + Elevacion pluma + Pasteca + Plumín<br>Counterjib + Luffing mechanisms + Reeving block +<br>Auxiliary jib                                       |                        | 29.9       | 7.2        | 8.4        | 37700       |
| Mecanismo elevacion carga sin cable / Hoisting mechanism<br>without rope                                                                                     |                        | 8.0        | 8.1        | 7.1        | 18520       |
| Polipasto / Hook assembly                                                                                                                                    | TD/2R<br>TD<br>         | 3.3<br>0.6 | 1.4<br>1.1 | 6.5<br>6.9 | 1730<br>840 |
| Tirante sostén pluma / Jib support tie                                                                                                                       |                        | 17.7       | 1.4        | 2.0        | 4740        |
| Parte superior / Top part                                                                                                                                    |                        | 39.2       | 7.2        | 6.8        | 28880       |
| Plataforma + Cabina / Platform + Cabin                                                                                                                       |                       | 11.5       | 6.8        | 7.9        | 2470        |
| Armario eléctrico + Plataforma<br>Electrical cabinet + Platform                                                                                              |                      | 8.7        | 4.3        | 7.7        | 1810        |
| Contrapeso / Counterweight                                                                                                                                   | Lastre / Ballast<br> | 12.5       | 1.9        | 4.9        | 13230       |

# TRANSPORTE / TRANSPORT

**J638PA**

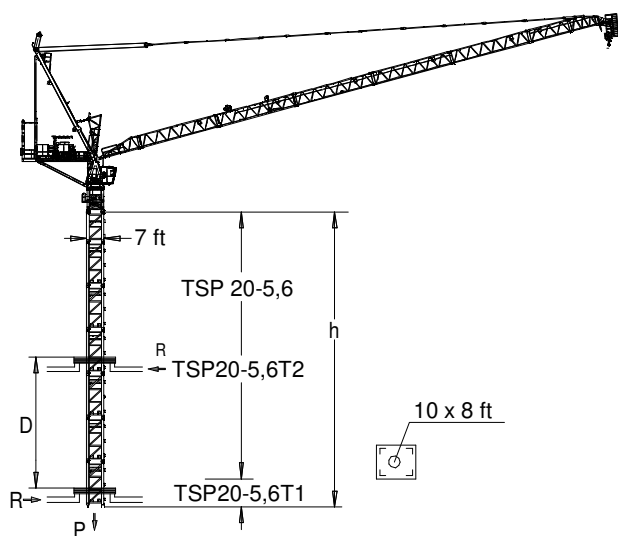
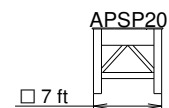
|                                                                                                                                   |  |                                                                                      |  |                                                                                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|
|                                                 |  |  |  |       |  |
| H = 8 x TRD24-5,6 + TR24/TSR20 + ASRD 20/24 +  |  | 10 x                                                                                 |  | 10 x  |  |
|                                                 |  |  |  |       |  |
| H = 8 x TSP20-5,6 + ASPD 20/24 +               |  | 12 x                                                                                 |  | 12 x  |  |

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TSP20-5,6T1: 214.31.400  
TSP20-5,6T2: 214.31.600

$h_{\max}$ :  
TSP20-5,6T1 + 8 x TSP20-5,6 + TSP20-5,6T2

|                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| h (ft)                                                                            | 184                                                                                 |                                                                                     |
| D (ft)                                                                            | 26 - 87                                                                             |                                                                                     |
| P (lbf)                                                                           | 509190                                                                              | 437250                                                                              |
| Rmax (lbf)                                                                        | 247510                                                                              | 300340                                                                              |

$h_{\max}$ :  
TSP20-5,6T1 + 6 x TSP20-5,6 + TSP20-5,6T2

|                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| h (ft)                                                                            | 147                                                                                 |                                                                                     |
| D (ft)                                                                            | 31 - 68                                                                             |                                                                                     |
| P (lbf)                                                                           | 486940                                                                              | 415000                                                                              |
| Rmax (lbf)                                                                        | 203450                                                                              | 225030                                                                              |

 Trepado interno / Internal climbing

 Viento fuera de servicio / Out of service wind

 Consultar / Consult

 En servicio / In service

 Fuera de servicio / Out of service

 Opcional / Optional



Ctra./ Rd. Madrid – Irún - Km. 415 - 20213 IDIAZABAL (Gipuzkoa) - ESPAÑA / SPAIN  
P.O. Box, 23 - 20.200 - BEASAIN - E-mail: jaso@jaso.com  
Tel. +34 943 - 18 70 00 • Fax. +34 943 - 18 70 20  
[www.jaso.com](http://www.jaso.com)

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DELEGACIÓN / DEALER