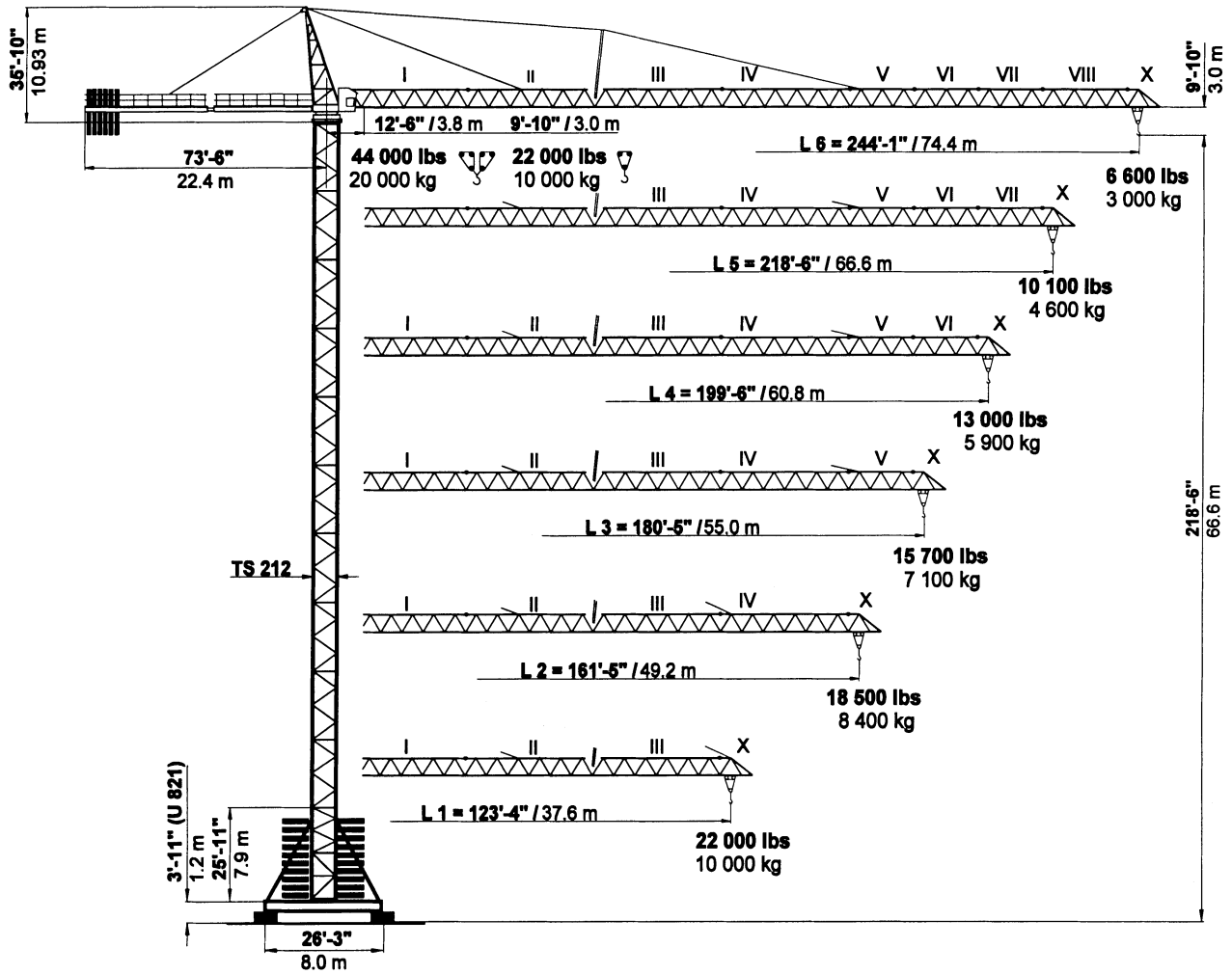




PEINER SK 405

Hammerhead Tower Crane 22,000-44,000 lbs. (10-20 mt) Lifting Capacity

SPECIFICATIONS



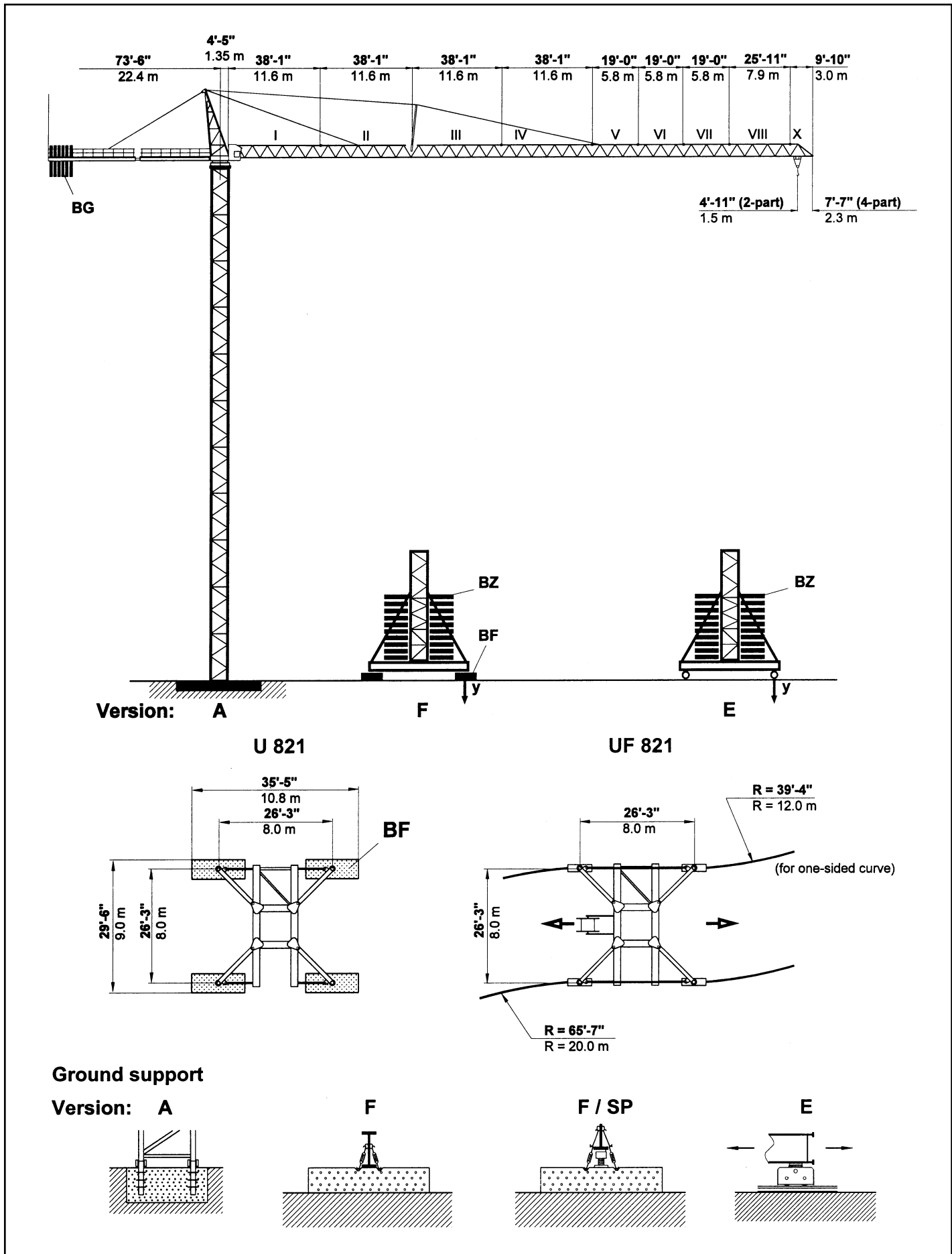
simple, available and
cost effective™

Machines shown may have optional equipment.



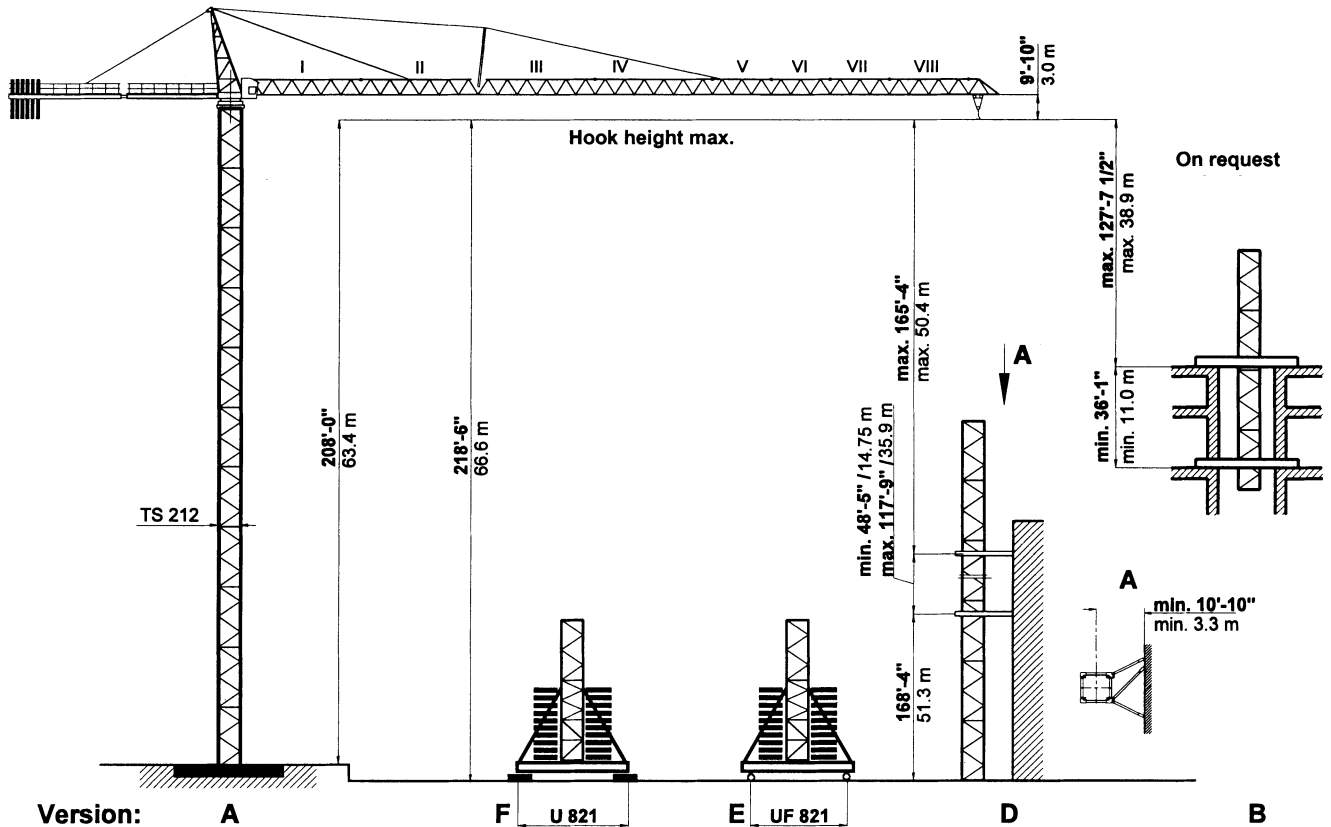
PEINER SK 405

Combinations of tower section, hook heights, forces acting per corner, base ballast





PEINER SK 405 Tower TS 212



| TS 212 | Version A | Version F | | | | | Version E | | |
|------------------------------------------------------------|-------------------|------------------------------|-------------------|----------------------------------|---------------------------------------|-----------------------------|---------------------------|-------------------------|-----------------------------|
| Tower | HH | Tower | HH | BZ | y | | BZ | y | |
| TS 212.1 | ft m | TSV 212 TS 212.1 | ft m | + BF kips / t | in service kips / kN | out of service kips / kN | kips / t | in service kips / kN | out of service kips / kN |
| 11 x TS 212.1 | 208'-0"* 63.4* | 1 x TSV 212 10 x TS 212.1 | 218'-6"* 66.6* | 239.0 108.4 | 228 1015 | 568 1138 | 261.9 118.8 | 248 1105 | 267 1189 |
| 10 x TS 212.1 | 188'-8" 57.5 | 1 x TSV 212 9 x TS 212.1 | 199'-2" 60.7 | 209.9 95.2 | 213 948 | 226 1005 | 232.8 105.6 | 232 1033 | 237 1056 |
| 9 x TS 212.1 | 169'-3" 51.6 | 1 x TSV 212 8 x TS 212.1 | 179'-9" 54.8 | 180.8 82.0 | 198 882 | 198 879 | 203.7 92.4 | 217 963 | 209 929 |
| 8 x TS 212.1 | 149'-11" 45.7 | 1 x TSV 212 7 x TS 212.1 | 160'-5" 48.9 | 151.7 68.8 | 184 817 | 170 758 | 174.6 79.2 | 201 894 | 182 808 |
| 7 x TS 212.1 | 130'-7" 39.8 | 1 x TSV 212 6 x TS 212.1 | 141'-1" 43.0 | 122.6 55.6 | 170 754 | 144 642 | 174.6 79.2 | 193 860 | 163 725 |
| 6 x TS 212.1 | 111'-3" 33.9 | 1 x TSV 212 5 x TS 212.1 | 121'-9" 37.1 | 122.6 55.6 | 163 725 | 127 566 | 145.5 66.0 | 178 794 | 138 615 |
| 5 x TS 212.1 | 91'-10" 28.0 | 1 x TSV 212 4 x TS 212.1 | 102'-4" 31.2 | 122.6 55.6 | 157 697 | 111 495 | 145.5 66.0 | 172 763 | 122 544 |
| 4 x TS 212.1 | 72'-6" 22.1 | 1 x TSV 212 3 x TS 212.1 | 83'-0" 25.3 | 93.5 42.4 | 143 638 | 105 469 | 116.4 52.8 | 157 700 | 108 480 |
| 3 x TS 212.1 | 53'-2" 16.2 | 1 x TSV 212 2 x TS 212.1 | 63'-8" 19.4 | 93.5 42.4 | 140 622 | 105 469 | 116.4 52.8 | 151 671 | 108 480 |
| 2 x TS 212.1 | 33'-10" 10.3 | 1 x TSV 212 1 x TS 212.1 | 44'-3" 13.5 | 122.6 55.6 | 140 622 | 105 469 | 116.4 52.8 | 145 645 | 108 480 |
| Foundation 22'-8" x 22'-8" x 5'-7" 6.9 x 6.9 x 1.7 m | | Stationary base U 821 | | | | | Travelling base UF 821 | | |
| Anchor stools 4 x FF 212 | | | | BF 4 x 8.82 kips 4 x 4.0 t | BZ Block 14.55 kips Block 6.6 t | | Bogie Curve F 500 | | |

If TSK 212 section is used the hook height is increased by 6'-7" (2 m).
* Lower climbing section after erection.



TS 212.1 = 19'-4 1/4" / 5.9 m

TSV 212 = 25'-11" / 7.9 m






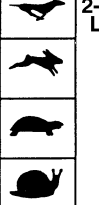

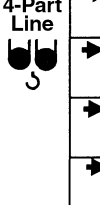
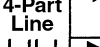



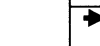




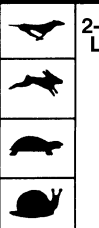

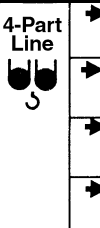




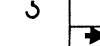


TSK 212 = 6'-7" / 2.0 m



PEINER SK 405 Radius and Capacity

| Jib ft m | Max. capacity max. 22,000 lbs 10.0 t | 2-Part Line  max. 22,000 lbs max. 10.0 t | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------|--------------------|-------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------------|---------|---------|---------|--|--|
| | | Radius – ft./m | | Capacity – lbs./mt | | 70'-11" | 73'-10" | 78'-9" | 85'-4" | 98'-5" | 105'-0" | 118'-1" | 123'-4" | 131'-3" | 161'-5" | 170'-7" | 180'-5" | 190'-3" | 199'-6" | 210'-0" | 218'-6" | 229'-8" | 244'-1" | | |
| L6 244'-1" 74.4 | 9'-10" - 88'-7" 3.0 - 27.0 m | 22000 | 22000 | 22000 | 22000 | 19600 | 31000 | 15900 | 15000 | 14100 | 11000 | 10400 | 9800 | 9000 | 8600 | 7900 | 7700 | 7100 | 6600 | | | | | | |
| L5 218'-6" 66.6 | 9'-10" - 105'-0" 3.0 - 32.0 m | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 20700 | 19700 | 18100 | 14500 | 13700 | 12700 | 11900 | 11500 | 10600 | 10100 | | | | | | | | |
| L4 199'-6" 60.8 | 9'-10" - 123'-4" 3.0 - 37.6 m | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 20700 | 16600 | 15700 | 14600 | 13700 | 13000 | | | | | | | | | |
| L3 180'-5" 55.0 | 9'-10" - 131'-3" 3.0 - 40.0 m | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 17900 | 16800 | 15700 | | | | | | | | | | | |
| L2 161'-5" 49.2 | 9'-10" - 137'-9" 3.0 - 42.0 m | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 18500 | | | | | | | | | | | | | |
| L1 123'-4" 37.6 | 9'-10" - 123'-4" 3.0 - 37.6 m | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | 22000 | | | | | | | | | | | | | | | |
| ft m | 44,000 lbs 20.0 t | 4-Part Line  max. 44,000 lbs max. 20.0 t | | | | | | | | | | | | | | | | | | Radius - 2'-7" (- 0.8 m) | | | | | |
| L6 241'-6" 73.6 | 12'-6" - 45'-7" 3.8 - 13.9 m | 25600 | 24300 | 22500 | 20300 | 17900 | 16300 | 14100 | 13200 | 11900 | 9300 | 8600 | 7900 | 7300 | 6800 | 6200 | 6000 | 5700 | 4900 | | | | | | |
| L5 215'-11" 65.8 | 12'-6" - 57'-5" 3.8 - 17.5 m | 34400 | 32800 | 30400 | 27600 | 23400 | 20300 | 19000 | 18100 | 16500 | 12800 | 11900 | 11000 | 10100 | 9500 | 8800 | 8400 | | | | | | | | |
| L4 196'-10" 60.0 | 12'-6" - 65'-0" 3.8 - 19.8 m | 40100 | 38100 | 35300 | 32200 | 27100 | 25100 | 22000 | 21400 | 19400 | 15200 | 13900 | 12800 | 11900 | 11200 | | | | | | | | | | |
| L3 177'-10" 54.2 | 12'-6" - 68'-7" 3.8 - 20.9 m | 42500 | 40600 | 37700 | 34400 | 29100 | 26900 | 23400 | 22800 | 20700 | 16300 | 15000 | 14100 | | | | | | | | | | | | |
| L2 158'-10" 48.4 | 12'-6" - 70'-10" 3.8 - 21.6 m | 44000 | 42100 | 39000 | 35700 | 30200 | 28000 | 24300 | 23700 | 21800 | 17000 | | | | | | | | | | | | | | |
| L1 120'-9" 36.8 | 12'-6" - 73'-10" 3.8 - 22.5 m | 44000 | 44000 | 41000 | 37500 | 31700 | 29300 | 25600 | 24900 | | | | | | | | | | | | | | | | |

Speeds

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------|-------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------|--------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|----------------------|--|--|--|---------------------------|----------------------------------------------------------------|
| FU 8-200/4 |  | v = 0 → ~ 265 fpm (80 m / min.) | | | | | | | | | | | | | | | | | | | | 1 x 10.2 HP 1 x 7.5 kW | |
| SR 10-190/3 |  | v = 0 → ~ 115 fpm (36 m / min.) | | | | | | | | | | | | | | | | | | | | | 2 x 16.3 HP 2 x 12.0 kW |
| K WB 150/4 |  | v = 0 → 1.0 rpm (min ⁻¹) | | | | | | | | | | | | | | | | | | | | | L1, L2 2 x 12.24 HP 2 x 9 kW 3 x 12.24 HP 3 x 9 kW |
| 2-Part Line  HK max. = 820' (250 m) 5- Layers | | | | | | | | | | | | | | | | | | 480 V / 60 Hz / 3 ph | | | | | |
| Type SR WB 66- 100/4F [108 HP] [79 kW] |  |  |  | 444 fpm 134 m/min | 5 500 lbs 2 500 kg |  |  | 222 fpm 67 m/min | 11 000 lbs 5 000 kg | Total motor output ~155 HP without SR 10-190/3 ~114 kW Connected power 170 kVA | | | | | | | | | | | | | |
| | | |  | 276 fpm 84 m/min | 9 300 lbs 4 200 kg | |  | 138 fpm 42 m/min | 18 600 lbs 8 400 kg | | | | | | | | | | | | | | |
| | | |  | 180 fpm 54 m/min | 15 700 lbs 7 100 kg | |  | 90 fpm 27 m/min | 31 400 lbs 14 200 kg | | | | | | | | | | | | | | |
| | | |  | 108 fpm 34 m/min | 22 000 lbs 10 000 kg | |  | 54 fpm 17 m/min | 44 000 lbs 20 000 kg | | | | | | | | | | | | | | |
| 2-Part Line  HK max. = 985' (300 m) 6- Layers | | | | | | | | | | | | | | | | | | | | | | | |
| Type SR WB 102- 125/4F [167 HP] [122 kW] |  |  |  | 444 fpm 134 m/min | 7 700 lbs 3 500 kg |  |  | 222 fpm 67 m/min | 15 400 lbs 7 000 kg | Total motor output ~213 HP without SR 10-190/3 ~157 kW Connected power 240 kVA | | | | | | | | | | | | | |
| | | |  | 276 fpm 84 m/min | 13 200 lbs 6 000 kg | |  | 138 fpm 42 m/min | 26 400 lbs 12 000 kg | | | | | | | | | | | | | | |
| | | |  | 180 fpm 54 m/min | 22 000 lbs 10 000 kg | |  | 90 fpm 27 m/min | 44 000 lbs 20 000 kg | | | | | | | | | | | | | | |
| | | |  | 108 fpm 34 m/min | | |  | 54 fpm 17 m/min | | | | | | | | | | | | | | | |

Counterweight

| Jib | | L 1 | L 2 | L 3 | L 4 | L 5 | L 6 |
|----------------------|-------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Counterweight 66 WB | BG | 30 400 lbs 13 850 kg | 40 400 lbs 18 400 kg | 47 200 lbs 21 500 kg | 47 200 lbs 21 500 kg | 50 400 lbs 22 950 kg | 50 800 lbs 23 150 kg |
| | [lbs] | 4 x 6 800 1 x 3 200 | 5 x 6 800 2 x 3 200 | 6 x 6 800 2 x 3 200 | 6 x 6 800 2 x 3 200 | 6 x 6 800 3 x 3 200 | 7 x 6 800 1 x 3 200 |
| | [t] | 4 x 3.10 1 x 1.45 | 5 x 3.10 2 x 1.45 | 6 x 3.10 2 x 1.45 | 6 x 3.10 2 x 1.45 | 6 x 3.10 3 x 1.45 | 7 x 3.10 1 x 1.45 |
| Counterweight 102 WB | BG | 30 400 lbs 13 850 kg | 37 200 lbs 16 950 kg | 44 000 lbs 20 050 kg | 44 000 lbs 20 050 kg | 47 200 lbs 21 500 kg | 47 600 lbs 21 700 kg |
| | [lbs] | 4 x 6 800 1 x 3 200 | 5 x 6 800 1 x 3 200 | 6 x 6 800 1 x 3 200 | 6 x 6 800 1 x 3 200 | 6 x 6 800 2 x 3 200 | 7 x 6 800 |
| | [t] | 4 x 3.10 1 x 1.45 | 5 x 3.10 1 x 1.45 | 6 x 3.10 1 x 1.45 | 6 x 3.10 1 x 1.45 | 6 x 3.10 2 x 1.45 | 7 x 3.10 |



For more information, product demonstration, or details on lease and rental plans, please contact your local Terex Towers Distributor.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty applicable to the particular product and sale. We make no other warranty, expressed or implied.

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