

LOW TOP TOWER CRANE

# RTT 470

24 HR23/HP20<sub>II/IV/FALLS</sub>

TECHNICAL DATA SHEET

# RTT 470



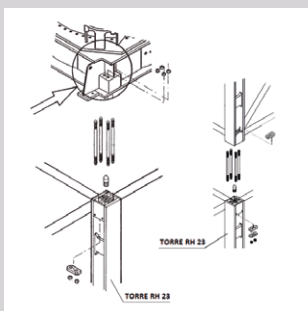
**MORITSCH**  
CRANES SINCE 1962





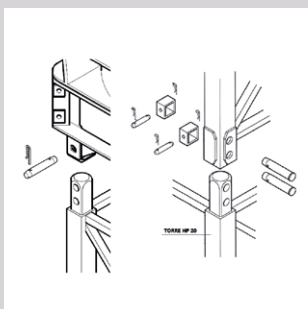
# MORITSCH

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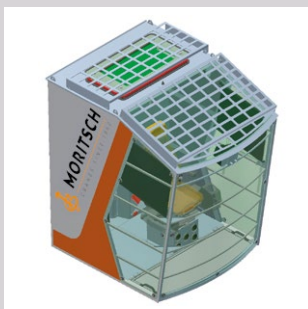
## TOWER TYPE HR 23

The well known H beam mast sections with vertical bolts connection will allow greater free standing heights. Available in three versions: base reinforced (HR 23-30), heavy duty (HR 23-26) and std duty type (HR 23-22).



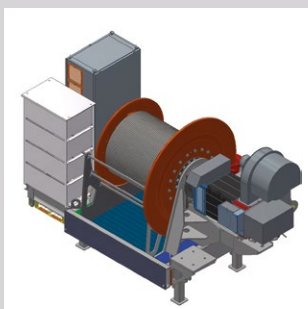
## TOWER TYPE HP 20

The famous boxed beams -twin pins connections. Safety and performances trough pins.



## CABIN

New design CAB , wider, longer, with improved visibility. Grammer seat and gessman joy-stick for driver cofort and ABB controls for maximum safety. USB door, air con, easy cleaning of windows, 10" or 7" screen included.



## WINCHES

New generation of high power winches, from 80 to 110 kw. New braking system, new reduction gear to grant highest performances.

# RTT 470

## 24 HR23/HP20 II / IV/ FALLS

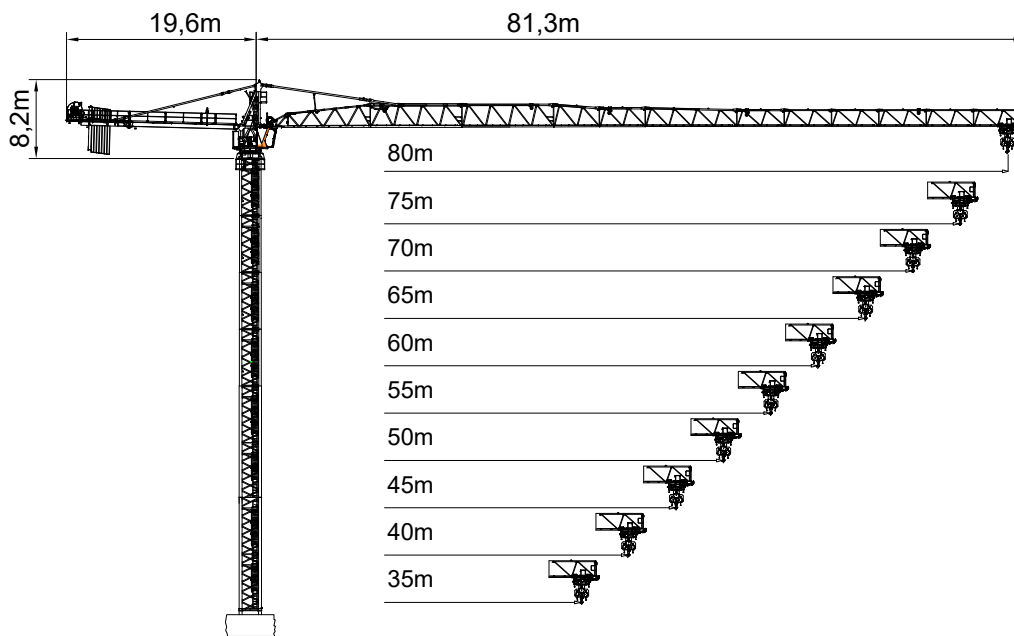
TECHNICAL DATA SHEET

CE EN 14439: 2009  
FEM 1.001 - A3

RTT 470 - 24

|                                                                                       | (t)   | m     | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50   | 55   | 60   | 65   | 70   | 75   | 80   |
|---------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
|      | 12,00 | 27,75 | 12,00 | 12,00 | 12,00 | 10,91 | 9,02  | 7,62  | 6,53  | 5,67 | 4,97 | 4,39 | 3,90 | 3,48 | 3,12 | 2,80 |
|  *   | 12,00 | 27,26 | 12,00 | 12,00 | 12,00 | 10,65 | 8,75  | 7,34  | 6,25  | 5,38 | 4,68 | 4,10 | 3,60 | 3,18 | 2,82 | 2,50 |
|      | 24,00 | 15,82 | 24,00 | 18,13 | 13,81 | 11,00 | 9,02  | 7,54  | 6,41  | 5,51 | 4,77 | 4,16 | 3,65 | 3,21 | 2,83 | 2,50 |
|      | 12,00 | 31,92 | 12,00 | 12,00 | 12,00 | 12,00 | 10,73 | 9,11  | 7,85  | 6,86 | 6,05 | 5,37 | 4,80 | 4,32 | 3,90 |      |
|  *  | 12,00 | 31,33 | 12,00 | 12,00 | 12,00 | 12,00 | 10,46 | 8,83  | 7,57  | 6,57 | 5,75 | 5,08 | 4,51 | 4,02 | 3,60 |      |
|    | 24,00 | 17,97 | 24,00 | 21,15 | 16,20 | 12,97 | 10,69 | 9,01  | 7,71  | 6,67 | 5,83 | 5,13 | 4,54 | 4,04 | 3,60 |      |
|    | 12,00 | 34,30 | 12,00 | 12,00 | 12,00 | 12,00 | 11,71 | 9,96  | 8,61  | 7,54 | 6,66 | 5,93 | 5,32 | 4,80 |      |      |
|  * | 12,00 | 33,65 | 12,00 | 12,00 | 12,00 | 12,00 | 11,43 | 9,68  | 8,32  | 7,24 | 6,37 | 5,64 | 5,02 | 4,50 |      |      |
|    | 24,00 | 19,18 | 24,00 | 22,85 | 17,54 | 14,08 | 11,64 | 9,83  | 8,43  | 7,33 | 6,42 | 5,67 | 5,04 | 4,50 |      |      |
|    | 12,00 | 36,49 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,75 | 9,30  | 8,16 | 7,23 | 6,45 | 5,80 |      |      |      |
|  * | 12,00 | 35,79 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,46 | 9,01  | 7,86 | 6,93 | 6,15 | 5,50 |      |      |      |
|    | 24,00 | 20,29 | 24,00 | 24,00 | 18,77 | 15,10 | 12,51 | 10,59 | 9,10  | 7,93 | 6,97 | 6,17 | 5,50 |      |      |      |
|    | 12,00 | 38,81 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 11,58 | 10,04 | 8,82 | 7,82 | 7,00 |      |      |      |      |
|  * | 12,00 | 38,05 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 11,29 | 9,75  | 8,52 | 7,53 | 6,70 |      |      |      |      |
|    | 24,00 | 21,47 | 24,00 | 24,00 | 20,08 | 16,18 | 13,43 | 11,39 | 9,81  | 8,56 | 7,55 | 6,70 |      |      |      |      |
|    | 12,00 | 39,88 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 11,96 | 10,38 | 9,12 | 8,10 |      |      |      |      |      |
|  * | 12,00 | 39,08 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 11,66 | 10,08 | 8,82 | 7,80 |      |      |      |      |      |
|    | 24,00 | 21,99 | 24,00 | 24,00 | 20,66 | 16,65 | 13,83 | 11,74 | 10,13 | 8,84 | 7,80 |      |      |      |      |      |
|    | 12,00 | 41,56 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,91 | 9,60 |      |      |      |      |      |      |
|  * | 12,00 | 40,72 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,61 | 9,30 |      |      |      |      |      |      |
|    | 24,00 | 22,83 | 24,00 | 24,00 | 21,59 | 17,43 | 14,49 | 12,31 | 10,64 | 9,30 |      |      |      |      |      |      |
|    | 12,00 | 41,21 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,80 |      |      |      |      |      |      |      |
|  * | 12,00 | 40,37 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 10,50 |      |      |      |      |      |      |      |
|    | 24,00 | 22,61 | 24,00 | 24,00 | 21,34 | 17,22 | 14,32 | 12,16 | 10,50 |      |      |      |      |      |      |      |
|    | 12,00 | 40,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 |      |      |      |      |      |      |      |
|  * | 12,00 | 40,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 |      |      |      |      |      |      |      |
|    | 24,00 | 23,10 | 24,00 | 24,00 | 21,89 | 17,67 | 14,70 | 12,50 |       |      |      |      |      |      |      |      |
|    | 12,00 | 35,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 |       |      |      |      |      |      |      |      |
|  * | 12,00 | 35,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 | 12,00 |       |      |      |      |      |      |      |      |
|    | 24,00 | 23,10 | 24,00 | 24,00 | 21,89 | 17,67 | 14,70 |       |       |      |      |      |      |      |      |      |

\* +300kg using single block



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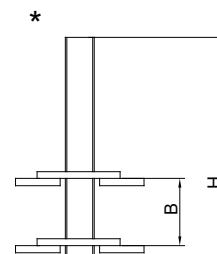
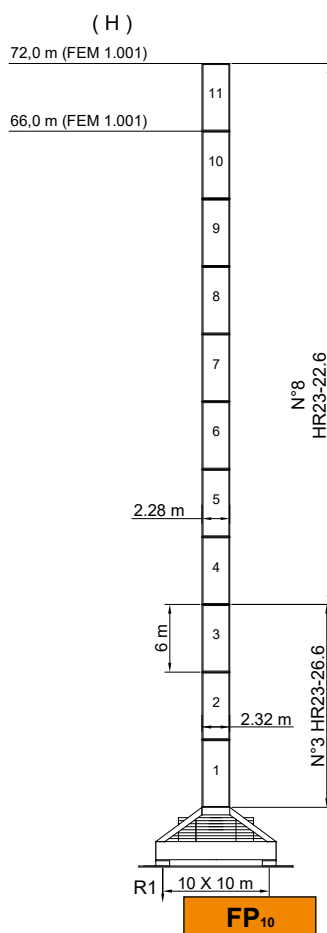
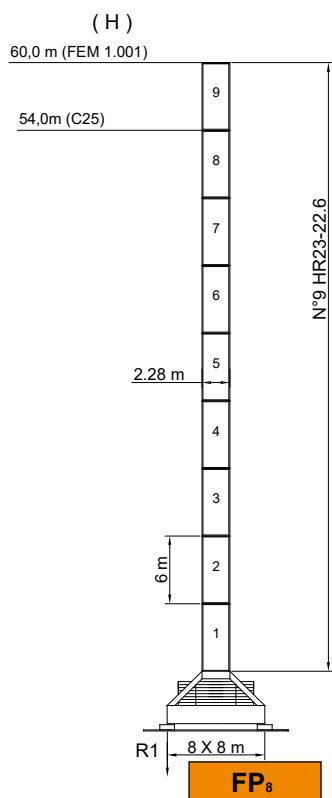
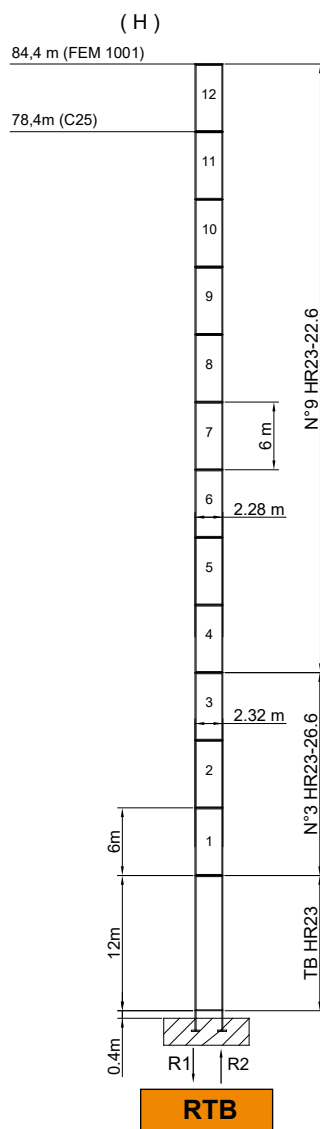
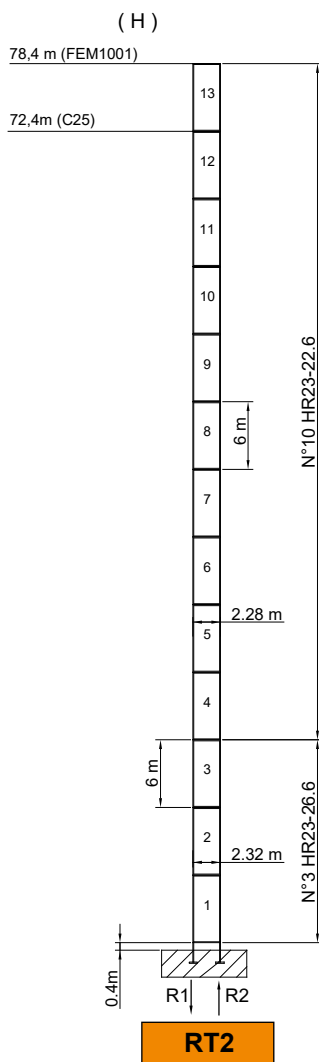
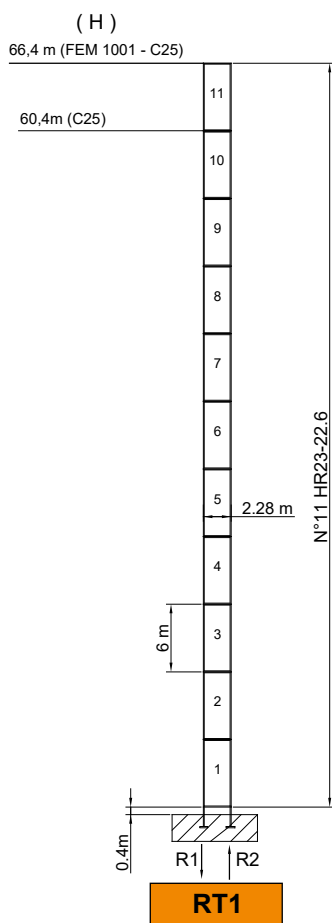
|  | (lb)  | ft     | 49    | 66    | 82    | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246  | 262  |
|--|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
|  | 26455 | 91,01  | 26400 | 26400 | 26400 | 24012 | 19849 | 16759 | 14375 | 12479 | 10936 | 9656  | 8576  | 7654  | 6856 | 6160 |
|  | 26455 | 89,42  | 26400 | 26400 | 26400 | 23429 | 19247 | 16144 | 13750 | 11846 | 10297 | 9011  | 7927  | 7000  | 6199 | 5500 |
|  | 52910 | 51,90  | 52800 | 39880 | 30387 | 24193 | 19833 | 16598 | 14101 | 12117 | 10501 | 9161  | 8030  | 7064  | 6229 | 5500 |
|  | 26455 | 104,68 | 26400 | 26400 | 26400 | 26400 | 23614 | 20038 | 17279 | 15086 | 13301 | 11820 | 10570 | 9503  | 8580 |      |
|  | 26455 | 102,75 | 26400 | 26400 | 26400 | 26400 | 23006 | 19418 | 16650 | 14449 | 12658 | 11171 | 9917  | 8846  | 7920 |      |
|  | 52910 | 58,94  | 52800 | 46524 | 35634 | 28529 | 23527 | 19815 | 16951 | 14674 | 12821 | 11283 | 9986  | 8878  | 7920 |      |
|  | 26455 | 112,50 | 26400 | 26400 | 26400 | 26400 | 25766 | 21913 | 18940 | 16577 | 14653 | 13057 | 11710 | 10560 |      |      |
|  | 26455 | 110,37 | 26400 | 26400 | 26400 | 26400 | 25152 | 21287 | 18305 | 15935 | 14005 | 12404 | 11054 | 9900  |      |      |
|  | 52910 | 62,91  | 52800 | 50268 | 38590 | 30971 | 25608 | 21628 | 18557 | 16115 | 14128 | 12479 | 11088 | 9900  |      |      |
|  | 26455 | 119,69 | 26400 | 26400 | 26400 | 26400 | 26400 | 23639 | 20469 | 17949 | 15898 | 14195 | 12760 |       |      |      |
|  | 26455 | 117,38 | 26400 | 26400 | 26400 | 26400 | 26400 | 23008 | 19830 | 17303 | 15246 | 13539 | 12100 |       |      |      |
|  | 52910 | 66,56  | 52800 | 52800 | 41304 | 33213 | 27518 | 23291 | 20031 | 17438 | 15328 | 13577 | 12100 |       |      |      |
|  | 26455 | 127,30 | 26400 | 26400 | 26400 | 26400 | 26400 | 25465 | 22087 | 19401 | 17214 | 15400 |       |       |      |      |
|  | 26455 | 124,80 | 26400 | 26400 | 26400 | 26400 | 26400 | 24828 | 21442 | 18750 | 16559 | 14740 |       |       |      |      |
|  | 52910 | 70,42  | 52800 | 52800 | 44180 | 35589 | 29542 | 25055 | 21593 | 18840 | 16599 | 14740 |       |       |      |      |
|  | 26455 | 130,80 | 26400 | 26400 | 26400 | 26400 | 26400 | 26305 | 22831 | 20068 | 17820 |       |       |       |      |      |
|  | 26455 | 128,19 | 26400 | 26400 | 26400 | 26400 | 26400 | 25662 | 22181 | 19413 | 17160 |       |       |       |      |      |
|  | 52910 | 72,12  | 52800 | 52800 | 45448 | 36637 | 30435 | 25832 | 22281 | 19458 | 17160 |       |       |       |      |      |
|  | 26455 | 136,32 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 24002 | 21120 |       |       |       |       |      |      |
|  | 26455 | 133,56 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 23347 | 20460 |       |       |       |       |      |      |
|  | 52910 | 74,89  | 52800 | 52800 | 47503 | 38335 | 31882 | 27093 | 23398 | 20460 |       |       |       |       |      |      |
|  | 26455 | 135,18 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 23760 |       |       |       |       |       |      |      |
|  | 26455 | 132,42 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 23100 |       |       |       |       |       |      |      |
|  | 52910 | 74,15  | 52800 | 52800 | 46955 | 37883 | 31496 | 26757 | 23100 |       |       |       |       |       |      |      |
|  | 26455 | 131,20 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 |       |       |       |       |       |      |      |
|  | 26455 | 131,20 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 |       |       |       |       |       |      |      |
|  | 52910 | 75,78  | 52800 | 52800 | 48168 | 38884 | 32349 | 27500 |       |       |       |       |       |       |      |      |
|  | 26455 | 114,80 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 |       |       |       |       |       |       |      |      |
|  | 26455 | 114,80 | 26400 | 26400 | 26400 | 26400 | 26400 | 26400 |       |       |       |       |       |       |      |      |
|  | 52910 | 75,76  | 52800 | 52800 | 48154 | 38873 | 32340 |       |       |       |       |       |       |       |      |      |

\* +661lb using single block

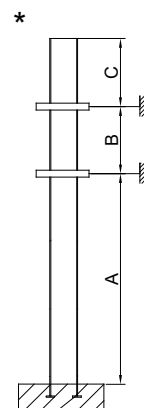


RTT 470 - 24 HR23/HP20

# HR23

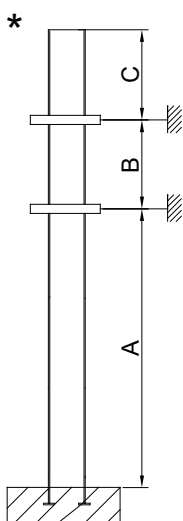
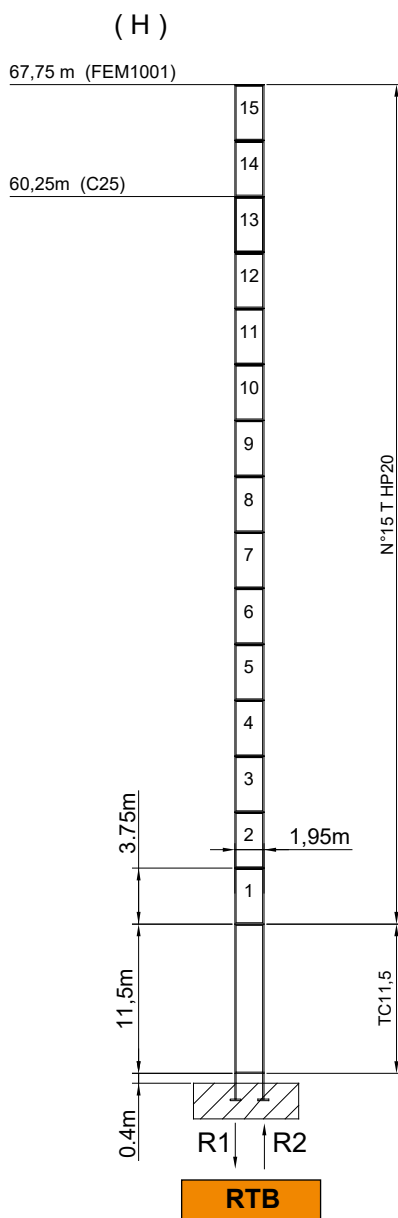


INTERNAL CLIMBING

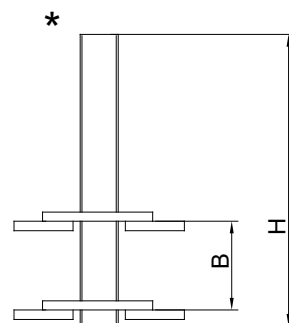


EXTERNAL CLIMBING

# HP20



**EXTERNAL CLIMBING**



**INTERNAL CLIMBING**

\* Please ask tech. Dept.

(C25) FEM 1.004 out of service wind conditions

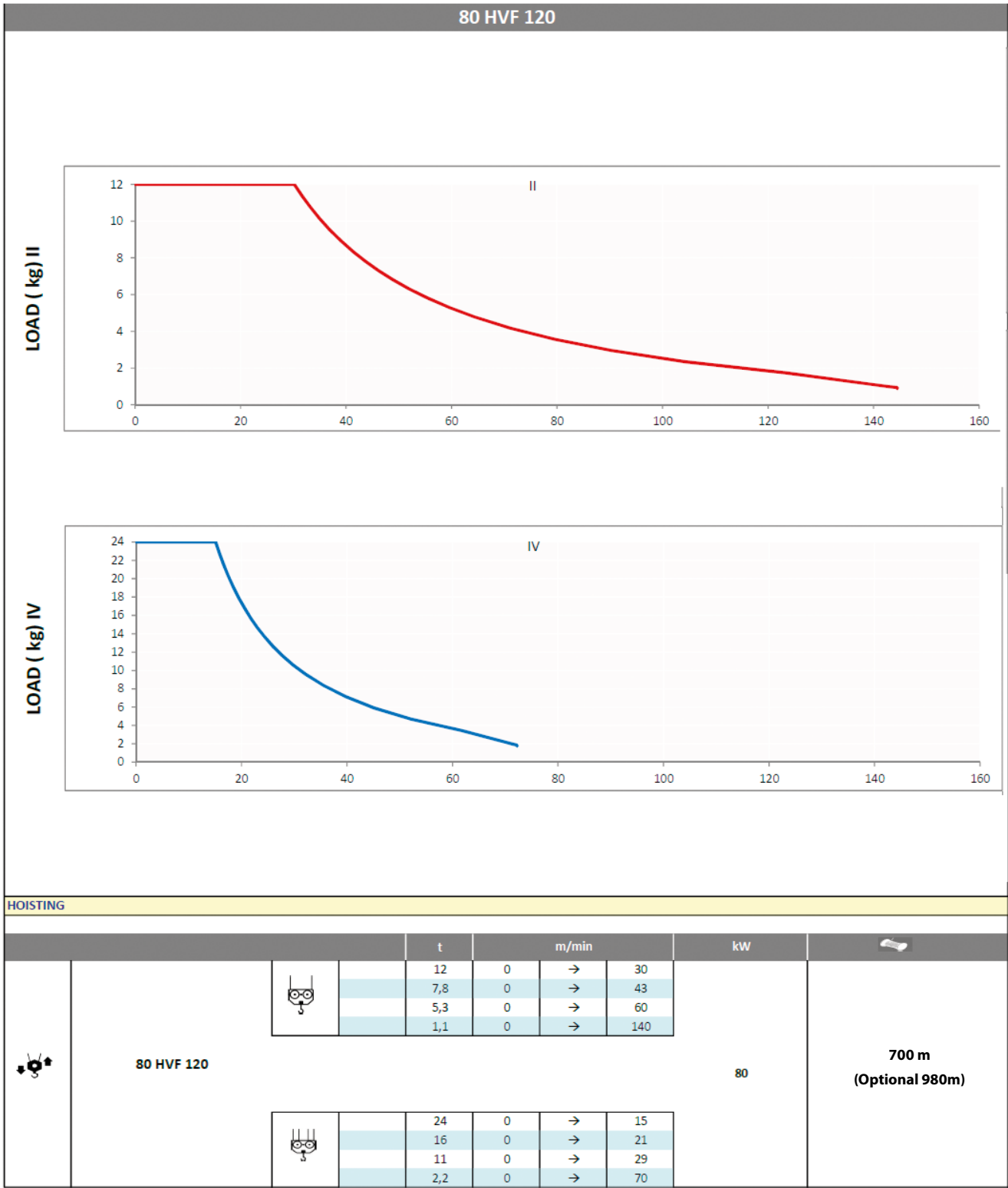
Different height and tower combinations are available - please consult us



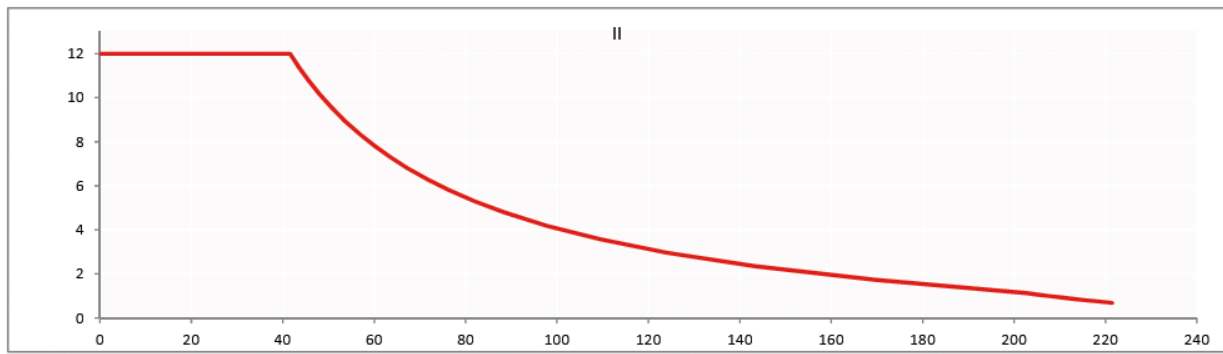
RTT 470 - 24 HR23/HP20

7

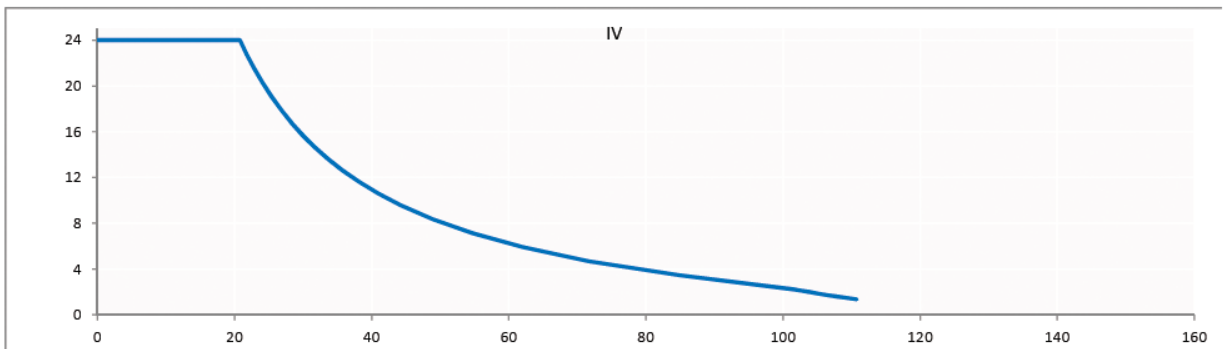
V2 - 09/19 - Subject to change without notice



LOAD ( kg ) II



LOAD ( kg ) IV



## HOISTING

|  |  |             | t   |   | m/min |     | kW  |                          |
|--|--|-------------|-----|---|-------|-----|-----|--------------------------|
|  |  | 110 HVF 120 | 12  | 0 | →     | 42  | 110 | 700 m<br>(Optional 980m) |
|  |  |             | 7,8 | 0 | →     | 60  |     |                          |
|  |  |             | 5,3 | 0 | →     | 82  |     |                          |
|  |  |             | 1,1 | 0 | →     | 202 |     |                          |
|  |  | 110         | 24  | 0 | →     | 21  |     |                          |
|  |  |             | 16  | 0 | →     | 30  |     |                          |
|  |  |             | 11  | 0 | →     | 43  |     |                          |
|  |  |             | 2,2 | 0 | →     | 101 |     |                          |



Hoisting Winch 80-110 kW

Max rope on drum: 700m (Optional 980 m)



Trolley Winch 11 kW

0 - 100 m/min



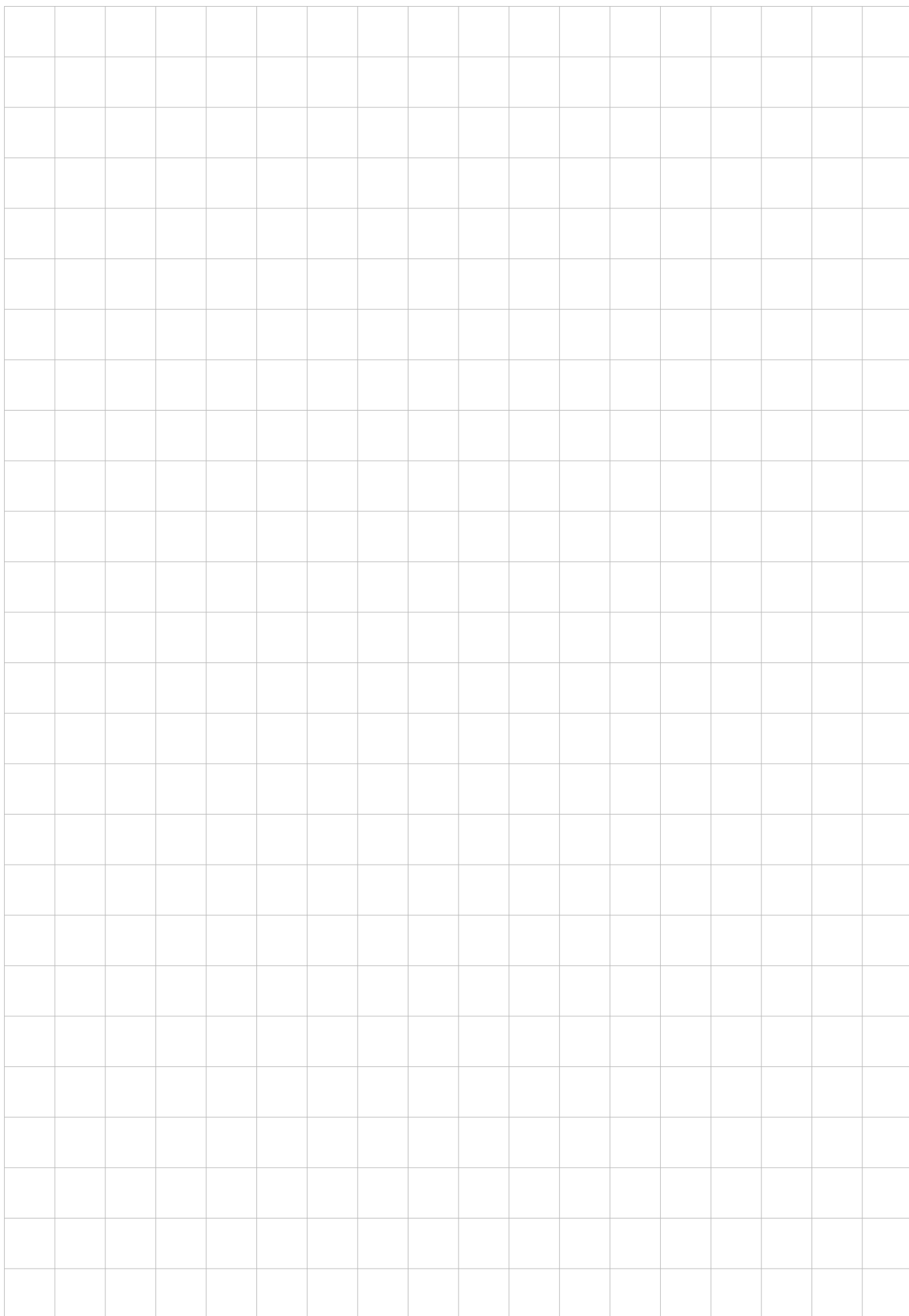
Slewing 4 x 11 kW

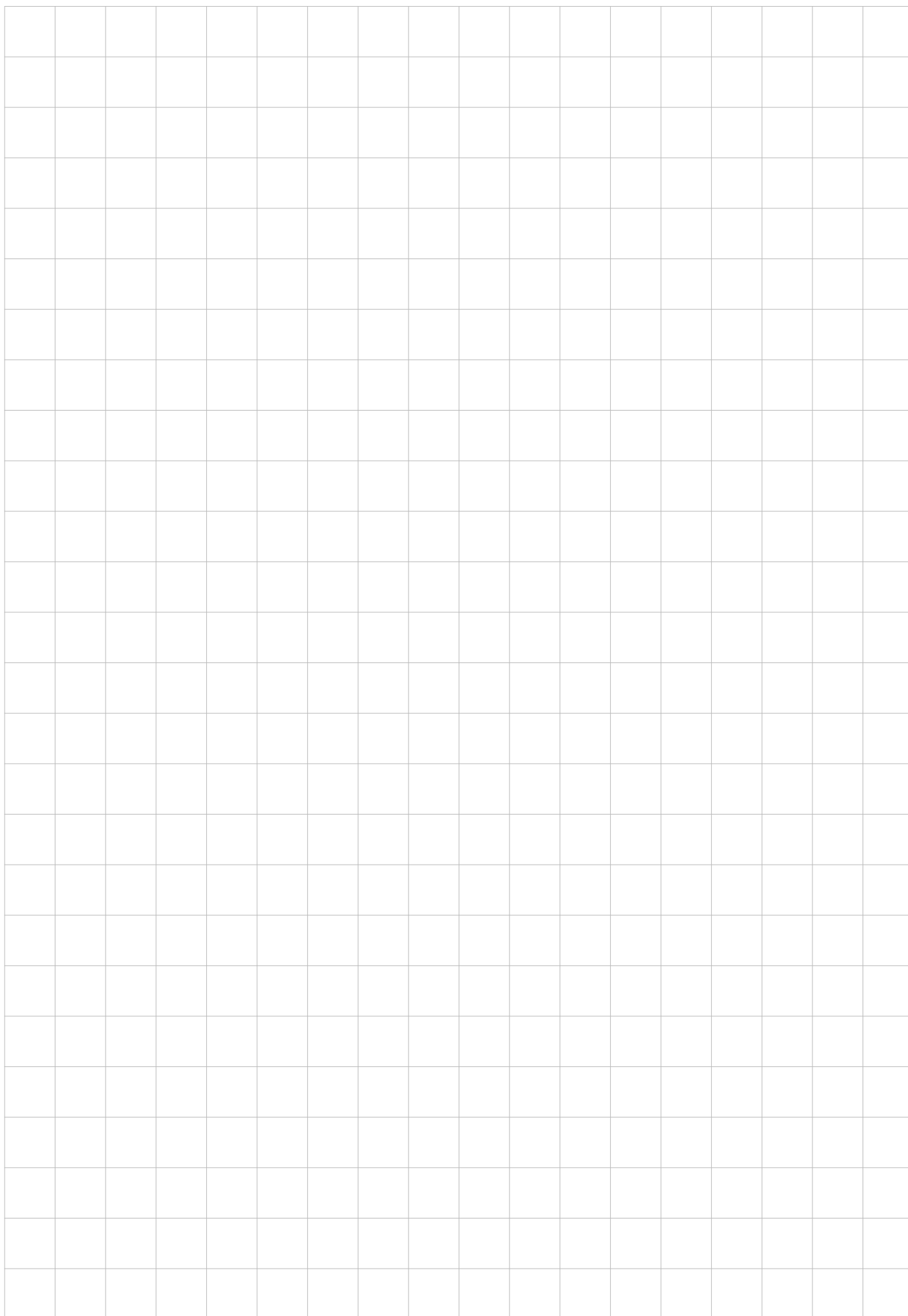


T11kW S4x11kW H80kW : 185kVA  
 T11kW S4x11kW H110kW : 230kVA



RTT 470- 24 HR23/HP20







**MORITSCH**

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