



### Designation

01 CT 3 05 H13 V1 - 2/1 M1 E N 20

traveling speed (value), m/min

- fixed
- N monorail trolley -normal headroom
- K monorail trolley -low headroom
- D double rail trolley

- fixed
- E electric trolley
- R geared trolley

- single hoisting speed
- M double hoisting speeds (M1;M2)

reeving

separation symbol

V hoisting speed (V1;V2)

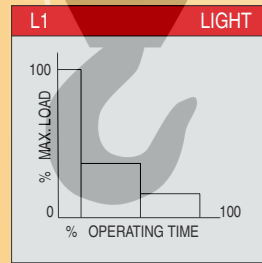
H hoisting height, m

drum hoisting force code, kN

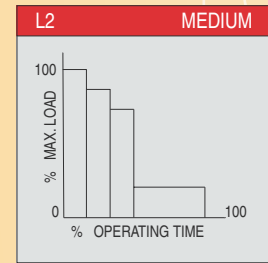
size code (3; 4; 5; 6; 7)

CT rope electric hoist type

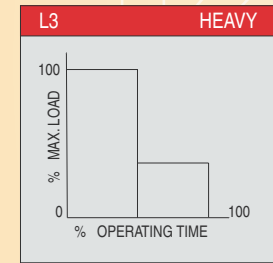
- stop button
- 01 stop button and lock key
- 02 stop button and start button
- 03 stop button, lock key and start button



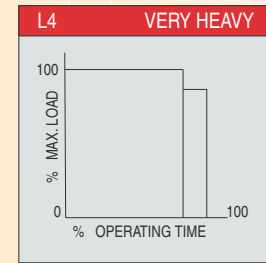
The mechanisms are usually submitted to very small loadings and only in extreme cases to maximum loadings



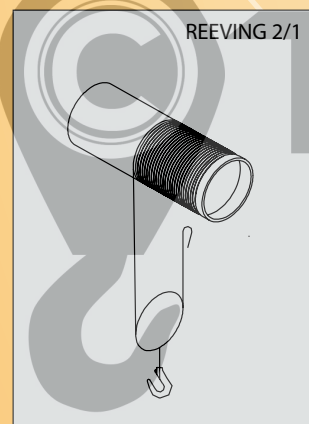
The mechanisms are usually submitted to small loadings, but more frequently to maximum loadings



The mechanisms are usually submitted to medium loadings, but frequently repeated maximum loadings



The mechanisms are usually submitted to the maximum or near the maximum loadings



| LOAD SPECTRUM |             | TOTAL OPERATING TIME (h) |       |       |
|---------------|-------------|--------------------------|-------|-------|
| L1            | LIGHT       | 6300                     | 12500 | 25000 |
| L2            | MEDIUM      | 3200                     | 6300  | 12500 |
| L3            | HEAVY       | 1600                     | 3200  | 6300  |
| L4            | VERY HEAVY  | 800                      | 1600  | 3200  |
| GROUP         | FEM 9.511   | 1Am                      | 2m    | 3m    |
|               | ISO 4301    | M4                       | M5    | M6    |
| CAPACITY [kg] |             | TYPE CT                  |       |       |
| REEVING 2/1   | REEVING 4/1 |                          |       |       |
| -             | 1600        | -                        | -     | 304   |
| 1000          | 2000        | -                        | 305   | -     |
| 1600          | 3200        | -                        | -     | 408   |
| 2000          | 4000        | -                        | 410   | -     |
| 2500          | 5000        | -                        | -     | 512   |
| 3200          | 6300        | -                        | 516   | -     |
| 4000          | 8000        | -                        | -     | 620   |
| 5000          | 10000       | -                        | 625   | -     |
| 6300          | 12500       | -                        | 732   | -     |
| 8000          | 16000       | 740                      | -     | -     |

| Capacity<br>kg | Type      | Group |     | Hoisting weight<br>m |    |     |     |      | Hoisting speed<br>m/min |    |     |     | Rope diameter<br>mm |
|----------------|-----------|-------|-----|----------------------|----|-----|-----|------|-------------------------|----|-----|-----|---------------------|
|                |           | FEM   | ISO | H1                   | H2 | H3  | H4  | H5   | V1                      | V2 | M1  | M2  |                     |
| 1000           | CT305-2/1 | 2m    | M5  | 6                    | 10 | 13  | 20  | 27   | 8                       | 12 | 2   | 1.4 | 7                   |
| 1600           | CT304-4/1 | 3m    | M6  | -                    | -  | 6.5 | 10  | 13.5 | 4                       | 6  | 1   | 0.7 | 7                   |
|                | CT408-2/1 |       |     | 9                    | 12 | 20  | 26  | 8    | 12                      | 2  | 1.4 | 10  |                     |
| 2000           | CT305-4/1 | 2m    | M5  | -                    | -  | 6.5 | 10  | 13.5 | 4                       | 6  | 1   | 0.7 | 7                   |
|                | CT410-2/1 |       |     | 5.5                  | 9  | 12  | 20  | 26   | 8                       | 12 | 2   | 1.4 | 10                  |
| 2500           | CT512-2/1 | 3m    | M6  | 5.5                  | 9  | 12  | 18  | 25   | 8                       | 12 | 2   | 1.4 | 12                  |
| 3200           | CT408-4/1 | 3m    |     | -                    | -  | 6   | 10  | 13   | 4                       | 6  | 1   | 0.7 | 10                  |
|                | CT516-2/1 | 2m    | 5.5 | 9                    | 12 | 18  | 25  | 8    | 12                      | 2  | 1.4 | 12  |                     |
| 4000           | CT410-4/1 | 2m    | M5  | -                    | -  | 6   | 10  | 13   | 4                       | 6  | 1   | 0.7 | 10                  |
|                | CT620-2/1 | 3m    |     | 8                    | 11 | 17  | 23  | 8    | 12                      | 2  | 1.4 | 15  |                     |
| 5000           | CT512-4/1 | 3m    | M6  | -                    | -  | 6   | 9   | 12.5 | 4                       | 6  | 1   | 0.7 | 12                  |
|                | CT625-2/1 | 2m    |     | 8                    | 11 | 17  | 23  | 8    | 12                      | 2  | 1.4 | 15  |                     |
| 6300           | CT516-4/1 | 2m    | M5  | -                    | -  | 6   | 9   | 12.5 | 4                       | 6  | 1   | 0.7 | 12                  |
|                | CT732-2/1 |       |     | 8                    | 12 | 17  | 23  | 8    | -                       | 2  | -   | 18  |                     |
| 8000           | CT620-4/1 | 3m    | M6  | -                    | -  | 5.5 | 8.5 | 11.5 | 4                       | 6  | 1   | 0.7 | 15                  |
|                | CT740-2/1 | 1Am   |     | M4                   | 8  | 12  | 17  | 23   | 8                       | -  | 2   | -   | 18                  |
| 10000          | CT625-4/1 | 2m    | M5  | -                    | -  | 5.5 | 8.5 | 11.5 | 4                       | 6  | 1   | 0.7 | 15                  |
| 12500          | CT732-4/1 | 2m    | M5  | -                    | -  | 6   | 8.5 | 11.5 | 4                       | -  | 1   | 0.7 | 18                  |
| 16000          | CT740-4/1 | 1Am   | M4  | -                    | -  | 6   | 8.5 | 11.5 | 4                       | -  | 1   | 0.7 | 18                  |

| Type                  | Basic speed | Electric motors for hoisting (voltage, current) |      |                |          |          |         |
|-----------------------|-------------|---|------|----------------|----------|----------|---------|
|                       |             | Single speed                                    |      | Double speeds  |          |          |         |
|                       |             | kW  | A    | V.../M1        |          | V.../M2  |         |
| CT305                 | V1          | 1.5   | 5.8  | 1.5/0.33       | 5.0/3.7  | 1.5/0.3  | 5.1/5.5 |
|                       | V2          | 2.3   | 6    | 2.2/0.33       | 6.2/3.7  | 2.2/0.3  | 7/5.5   |
| CT410                 | V1          | 3   | 11   | 3/0.7          | 7.5/6    | 3/0.5    | 8.5/10  |
|                       | V2          | 4.5   | 12   | 4.5/0.7        | 9.5/6    | 4.5/0.5  | 11/10   |
| CT516                 | V1          | 4.5   | 12.3 | 4.8/1          | 12/11    | 4.8/0.8  | 12/15   |
|                       | V2          | 7.5   | 17   | 7.5/1          | 15/11    | 7.5/0.8  | 15/15   |
| CT625                 | V1          | 8   | 24.5 | 8/1.7          | 18/15    | 8/1.5    | 19/30   |
|                       | V2          | 12  | 28   | 12.5/1.7       | 23/15    | 12.5/1.5 | 28/30   |
| CT740                 | V1          | 12.5  | 36   | (13/3)*        | (30/40)* | -        | -       |
| CD [%]                |             | 40  |      | 50/25;*(40/10) |          | 40/10    |         |
| SF [h <sup>-1</sup> ] |             | 240   |      | 300;*(240)     |          | 240      |         |

| Type      | Speed<br>m/min            | Electric motors for travelling (voltage, current) |         |                                     |             |
|-----------|---------------------------|---|---------|-------------------------------------|-------------|
|           |                           | Hoisting heights: H1, H2, H3                      |         | Hoisting heights: H4, H5            |             |
|           |                           | kW  | A       | kW                                  | A           |
| CT305-2/1 | 8; 10; 12; 15; 20         | 0.12  | 0.84    | 2 x 0.12                            | 2 x 0.84    |
|           | 32                        | 0.18  | 1.2     | 2 x 0.18                            | 2 x 1.2     |
| CT305-4/1 | 12/4; 15/5; 20/6.5; 32/10 | 0.18/0.06   | 1.2/1.4 | 2 x 0.18/0.06                       | 2 x 1.2/1.4 |
|           | 8; 10; 12; 15; 20         | 0.25  | 1.2     | 2 x 0.12                            | 2 x 0.84    |
| CT410-2/1 | 32                        | 0.37  | 1.5     | 2 x 0.18                            | 2 x 1.2     |
|           | 12/4; 15/5; 20/6.5; 32/10 | 0.37/0.11   | 1.4/1.7 | 2 x 0.18/0.06                       | 2 x 1.2/1.4 |
| CT410-4/1 | 8; 10; 12; 15; 20         | 0.25  | 1.2     | 2 x 0.25                            | 2 x 1.2     |
|           | 32                        | 0.37  | 1.5     | 2 x 0.37                            | 2 x 1.5     |
| CT516-2/1 | 12/4; 15/5; 20/6.5; 32/10 | 0.37/0.11   | 1.4/1.7 | 2 x 0.37/0.11                       | 2 x 1.4/1.7 |
|           | 8; 10; 12                 | 0.25  | 1.2     | 2 x 0.25                            | 2 x 1.2     |
| CT516-4/1 | 15                        | 0.37  | 1.5     | 2 x 0.25                            | 2 x 1.2     |
|           | 20                        | 0.37  | 1.8     | 2 x 0.25                            | 2 x 1.2     |
| CT625-2/1 | 32                        | 0.55  | 2.1     | 2 x 0.37                            | 2 x 1.5     |
|           | 12/4; 15/5; 20/6.5        | 0.37/0.11   | 1.4/1.7 | 2 x 0.37/0.11                       | 2 x 1.4/1.7 |
| CT625-4/1 | 32/10                     | 0.55/0.18   | 2.1/2.5 | 2 x 0.37/0.11                       | 2 x 1.4/1.7 |
|           | 8; 10; 12                 |   |         | 2 x 0.25 [kW]; 2 x 1.2 [A]          |             |
| CT740-2/1 | 15                        |   |         | 2 x 0.37 [kW]; 2 x 1.5 [A]          |             |
|           | 20                        |   |         | 2 x 0.37 [kW]; 2 x 1.7 [A]          |             |
| CT732-4/1 | 32                        |   |         | 2 x 0.55 [kW]; 2 x 2.1 [A]          |             |
|           | 12/4; 15/5; 20/6.5        |   |         | 2 x 0.37/0.11 [kW]; 2 x 1.4/1.7 [A] |             |
|           | 32/10                     |   |         | 2 x 0.55/0.18 [kW]; 2 x 2.1/2.5 [A] |             |

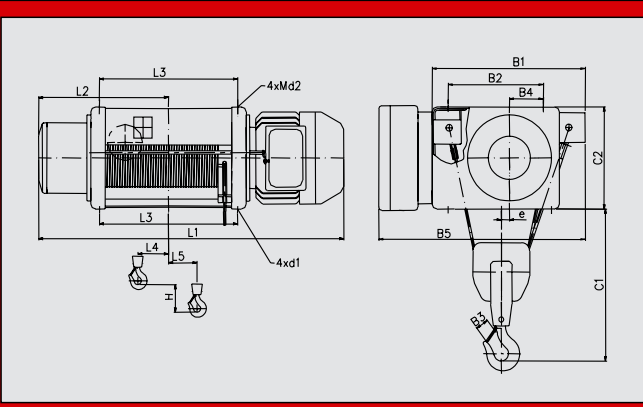
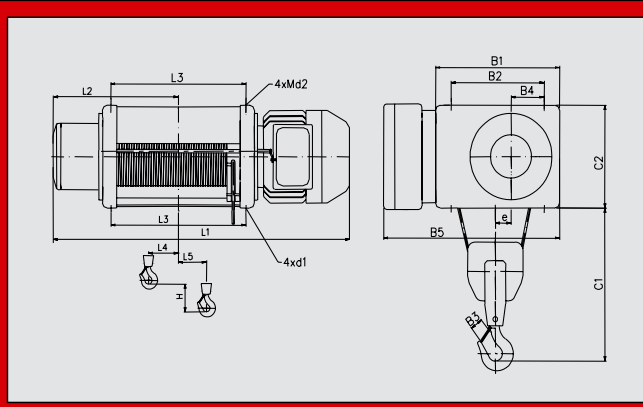
## ROPE ELECTRIC HOISTS



## STATIONARY ROPE ELECTRIC HOISTS

REEVING 2/1

REEVING 4/1



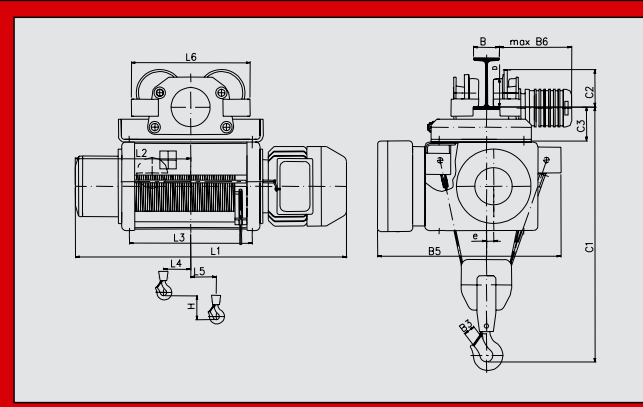
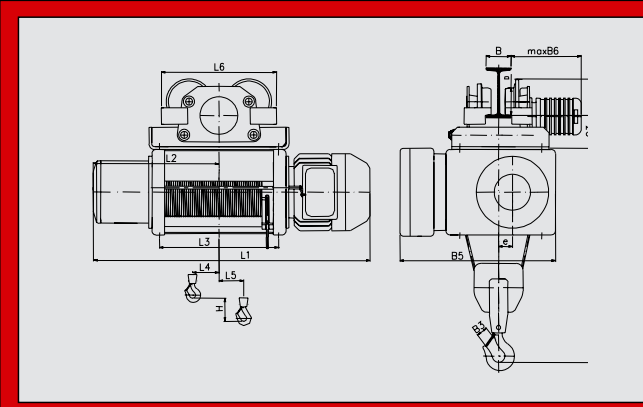
| Type                    |      | CT305                   | CT410     | CT516 | CT625 | CT740 |      |      |
|-------------------------|------|-------------------------|-----------|-------|-------|-------|------|------|
| Overall dimensions      | mm   | B1                      | 398       | 434   | 512   | 640   |      |      |
|                         |      | B2                      | 295       | 325   | 390   | 475   |      |      |
|                         |      | B3                      | 34        | 40    | 45    | 50    | 56   |      |
|                         |      | B4                      | 105       | 128   | 157   | 187   |      |      |
|                         |      | B5                      | 580       | 650   | 800   | 930   |      |      |
|                         |      | C1                      | 450       | 550   | 620   | 710   | 840  |      |
|                         |      | C2                      | 321       | 366   | 432   | 530   |      |      |
|                         |      | e                       | 50        | 35    | 38    | 55    |      |      |
|                         |      | d1                      | φ15       | φ17   | φ21   | φ25   |      |      |
| For hoisting height: H1 | mm   | Md2                     | M14       | M20   | M24   | M27   |      |      |
|                         |      | L1                      | 710       | 815   | 856   |       |      |      |
|                         |      | L1*                     | 750       | 885   | 940   |       |      |      |
|                         |      | L2                      | 310       | 365   | 377   |       |      |      |
|                         |      | L3                      | 224       | 231   | 261   |       |      |      |
| For hoisting height: H2 | mm   | L4                      | 45        | 52    | 60    |       |      |      |
|                         |      | L5                      | 40        | 27    | 29    |       |      |      |
|                         |      | kg                      | Netweight | 115   | 174   | 213   |      |      |
|                         |      | L1                      | 815       | 925   | 976   | 1015  | 1125 |      |
|                         |      | L1*                     | 855       | 995   | 1060  | 1105  | 1160 |      |
| For hoisting height: H3 | mm   | L2                      | 362       | 420   | 437   | 445   | 500  |      |
|                         |      | L3                      | 329       | 341   | 381   | 348   | 393  |      |
|                         |      | L4                      | 95        | 107   | 120   | 104   | 82   |      |
|                         |      | L5                      | 40        | 27    | 29    | 23    | 54   |      |
|                         |      | kg                      | Netweight | 120   | 190   | 257   | 410  | 600  |
| For hoisting height: H4 | mm   | L1                      | 915       | 1025  | 1086  | 1120  | 1285 |      |
|                         |      | L1*                     | 955       | 1095  | 1170  | 1210  | 1320 |      |
|                         |      | L2                      | 412       | 470   | 492   | 505   | 580  |      |
|                         |      | L3                      | 429       | 441   | 491   | 453   | 553  |      |
|                         |      | L4                      | 95        | 107   | 125   | 106   | 162  |      |
| For hoisting height: H5 | mm   | L5                      | 90        | 77    | 79    | 73    | 54   |      |
|                         |      | kg                      | Netweight | 129   | 203   | 279   | 420  | 676  |
|                         |      | L1                      | 1115      | 1225  | 1306  | 1330  | 1445 |      |
|                         |      | L1*                     | 1155      | 1295  | 1390  | 1420  | 1480 |      |
|                         |      | L2                      | 512       | 570   | 602   | 610   | 660  |      |
| For hoisting height: H4 | mm   | L3                      | 629       | 641   | 711   | 663   | 713  |      |
|                         |      | L4                      | 195       | 207   | 235   | 211   | 192  |      |
|                         |      | L5                      | 90        | 77    | 79    | 73    | 104  |      |
|                         |      | kg                      | Netweight | 142   | 236   | 300   | 435  | 723  |
|                         |      | For hoisting height: H5 | mm        | L1    | 1315  | 1425  | 1526 | 1540 |
| L1*                     | 1355 |                         |           | 1495  | 1610  | 1630  | 1695 |      |
| L2                      | 612  |                         |           | 670   | 712   | 715   | 770  |      |
| L3                      | 829  |                         |           | 841   | 931   | 873   | 928  |      |
| L4                      | 295  |                         |           | 307   | 345   | 316   | 300  |      |
| For hoisting height: H5 | mm   | L5                      | 90        | 77    | 79    | 73    | 104  |      |
|                         |      | kg                      | Netweight | 150   | 260   | 320   | 485  | 786  |

Note: L1\* for electric hoist with double-speed electric motor

## ROPE ELECTRIC HOISTS WITH A MONORAIL TROLLEY

REEVING 2/1

REEVING 4/1



| Type                    |    | CT 305 | CT 410    | CT 516 | CT 625  | CT 740 |      |      |
|-------------------------|----|--------|-----------|--------|---------|--------|------|------|
| Overall dimensions      | mm | B      | 90-130    |        | 130-150 |        |      |      |
|                         |    | B3     | 34        | 40     | 45      | 50     | 56   |      |
|                         |    | B5     | 580       |        | 650     | 800    | 930  |      |
|                         |    | B6     | 336       |        | 405     |        | 410  |      |
|                         |    | C2     | 142       |        | 200     |        | 232  |      |
|                         |    | e      | 50        |        | 35      |        | 38   |      |
|                         |    | D      | φ120      |        | φ175    |        | φ210 |      |
|                         |    | R      | 1500      |        | 2500    |        | 3500 |      |
|                         |    | d1     | φ15       |        | φ17     |        | φ21  |      |
| For hoisting height: H1 | mm | Md2    | M14       |        | M24     | M27    |      |      |
|                         |    | L1     | 915       | 1025   | 1086    | 1120   | 1285 |      |
|                         |    | L1*    | 955       | 1095   | 1170    | 1210   | 1320 |      |
|                         |    | L2     | 412       | 470    | 492     | 505    | 580  |      |
|                         |    | L3     | 429       | 441    | 491     | 453    | 553  |      |
| For hoisting height: H2 | mm | L4     | 90        | 65     | 67      | 29     | 42   |      |
|                         |    | L5     | 45        | 25     | 35      | 61     | 0    |      |
|                         |    | kg     | Netweight | 139    | 216     | 300    | 454  | 735  |
|                         |    | C1     | 889       | 1069   | 1139    |        |      |      |
|                         |    | C3     | 118       |        | 153     |        |      |      |
| For hoisting height: H3 | mm | L1     | 710       | 815    | 856     |        |      |      |
|                         |    | L1*    | 750       | 885    | 940     |        |      |      |
|                         |    | L2     | 310       | 365    | 377     |        |      |      |
|                         |    | L3     | 224       | 231    | 261     |        |      |      |
|                         |    | L4     | 45        | 52     | 60      |        |      |      |
| For hoisting height: H4 | mm | L5     | 40        | 27     | 29      |        |      |      |
|                         |    | L6     | 410       |        | 530     |        |      |      |
|                         |    | kg     | Netweight | 155    | 306     | 343    |      |      |
|                         |    | C1     | 889       | 1074   | 1144    | 1312   | 1648 |      |
|                         |    | C3     | 118       |        | 158     | 170    | 278  |      |
| For hoisting height: H5 | mm | L1     | 815       | 925    | 976     | 1015   | 1125 |      |
|                         |    | L1*    | 855       | 995    | 1060    | 1105   | 1160 |      |
|                         |    | L2     | 362       | 420    | 437     | 445    | 500  |      |
|                         |    | L3     | 329       | 341    | 381     | 348    | 393  |      |
|                         |    | L4     | 95        | 107    | 120     | 104    | 82   |      |
| For hoisting height: H3 | mm | L5     | 40        | 27     | 29      | 23     | 54   |      |
|                         |    | L6     | 410       |        | 530     | 576    | 1176 |      |
|                         |    | kg     | Netweight | 160    | 320     | 383    | 566  | 948  |
|                         |    | C1     | 889       | 1074   | 1144    | 1312   | 1648 |      |
|                         |    | C3     | 118       |        | 158     | 170    | 278  |      |
| For hoisting height: H4 | mm | L1     | 915       | 1025   | 1086    | 1120   | 1285 |      |
|                         |    | L1*    | 955       | 1095   | 1170    | 1210   | 1320 |      |
|                         |    | L2     | 412       | 470    | 492     | 505    | 580  |      |
|                         |    | L3     | 429       | 441    | 491     | 453    | 553  |      |
|                         |    | L4     | 95        | 107    | 125     | 106    | 162  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 54   |      |
|                         |    | L6     | 410       |        | 530     | 576    | 1176 |      |
|                         |    | kg     | Netweight | 169    | 329     | 405    | 594  | 1024 |
|                         |    | C1     | 927       | 1102   | 1172    | 1328   | 1608 |      |
|                         |    | C3     | 156       |        | 186     |        | 238  |      |
| For hoisting height: H4 | mm | L1     | 1115      | 1225   | 1306    | 1330   | 1445 |      |
|                         |    | L1*    | 1155      | 1295   | 1390    | 1420   | 1480 |      |
|                         |    | L2     | 512       | 570    | 602     | 610    | 660  |      |
|                         |    | L3     | 629       | 641    | 711     | 663    | 713  |      |
|                         |    | L4     | 195       | 207    | 235     | 211    | 192  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 104  |      |
|                         |    | L6     | 1015      | 1171   | 1241    | 1193   | 1289 |      |
|                         |    | kg     | Netweight | 232    | 466     | 530    | 658  | 1093 |
|                         |    | C1     | 927       | 1102   | 1172    | 1328   | 1608 |      |
|                         |    | C3     | 156       |        | 186     |        | 238  |      |
| For hoisting height: H5 | mm | L1     | 1315      | 1425   | 1526    | 1540   | 1660 |      |
|                         |    | L1*    | 1355      | 1495   | 1610    | 1630   | 1695 |      |
|                         |    | L2     | 612       | 670    | 712     | 715    | 770  |      |
|                         |    | L3     | 829       | 841    | 931     | 873    | 928  |      |
|                         |    | L4     | 295       | 307    | 345     | 316    | 300  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 104  |      |
|                         |    | L6     | 1215      | 1371   | 1461    | 1403   | 1504 |      |
|                         |    | kg     | Netweight | 245    | 490     | 550    | 706  | 1156 |

Note: L1\* - for electric hoist with double-speed electric motor  
R - curve radius, minimum  
∩ - for electric hoist with two trolleys

| Type                    |    | CT 305 | CT 410    | CT 516 | CT 625  | CT 740 |      |      |
|-------------------------|----|--------|-----------|--------|---------|--------|------|------|
| Overall dimensions      | mm | B      | 90-130    |        | 130-150 |        |      |      |
|                         |    | B3     | 34        | 40     | 45      | 50     | 56   |      |
|                         |    | B5     | 580       |        | 650     | 800    | 930  |      |
|                         |    | B6     | 336       |        | 405     |        | 410  |      |
|                         |    | C2     | 142       |        | 200     |        | 232  |      |
|                         |    | e      | 50        |        | 35      |        | 38   |      |
|                         |    | D      | φ120      |        | φ175    |        | φ210 |      |
|                         |    | R      | 1500      |        | 2500    |        | 3500 |      |
|                         |    | d1     | φ15       |        | φ17     |        | φ21  |      |
| For hoisting height: H1 | mm | Md2    | M14       |        | M24     | M27    |      |      |
|                         |    | L1     | 915       | 1025   | 1086    | 1120   | 1285 |      |
|                         |    | L1*    | 955       | 1095   | 1170    | 1210   | 1320 |      |
|                         |    | L2     | 412       | 470    | 492     | 505    | 580  |      |
|                         |    | L3     | 429       | 441    | 491     | 453    | 553  |      |
| For hoisting height: H2 | mm | L4     | 90        | 65     | 67      | 29     | 42   |      |
|                         |    | L5     | 45        | 25     | 35      | 61     | 0    |      |
|                         |    | kg     | Netweight | 155    | 306     | 343    |      |      |
|                         |    | C1     | 889       | 1069   | 1139    |        |      |      |
|                         |    | C3     | 118       |        | 153     |        |      |      |
| For hoisting height: H3 | mm | L1     | 710       | 815    | 856     |        |      |      |
|                         |    | L1*    | 750       | 885    | 940     |        |      |      |
|                         |    | L2     | 310       | 365    | 377     |        |      |      |
|                         |    | L3     | 224       | 231    | 261     |        |      |      |
|                         |    | L4     | 45        | 52     | 60      |        |      |      |
| For hoisting height: H4 | mm | L5     | 40        | 27     | 29      |        |      |      |
|                         |    | L6     | 410       |        | 530     |        |      |      |
|                         |    | kg     | Netweight | 155    | 306     | 343    |      |      |
|                         |    | C1     | 889       | 1074   | 1144    | 1312   | 1648 |      |
|                         |    | C3     | 118       |        | 158     | 170    | 278  |      |
| For hoisting height: H5 | mm | L1     | 815       | 925    | 976     | 1015   | 1125 |      |
|                         |    | L1*    | 855       | 995    | 1060    | 1105   | 1160 |      |
|                         |    | L2     | 362       | 420    | 437     | 445    | 500  |      |
|                         |    | L3     | 329       | 341    | 381     | 348    | 393  |      |
|                         |    | L4     | 95        | 107    | 120     | 104    | 82   |      |
| For hoisting height: H3 | mm | L5     | 40        | 27     | 29      | 23     | 54   |      |
|                         |    | L6     | 410       |        | 530     | 576    | 1176 |      |
|                         |    | kg     | Netweight | 169    | 329     | 405    | 594  | 1024 |
|                         |    | C1     | 927       | 1102   | 1172    | 1328   | 1608 |      |
|                         |    | C3     | 156       |        | 186     |        | 238  |      |
| For hoisting height: H4 | mm | L1     | 915       | 1025   | 1086    | 1120   | 1285 |      |
|                         |    | L1*    | 955       | 1095   | 1170    | 1210   | 1320 |      |
|                         |    | L2     | 412       | 470    | 492     | 505    | 580  |      |
|                         |    | L3     | 429       | 441    | 491     | 453    | 553  |      |
|                         |    | L4     | 95        | 107    | 125     | 106    | 162  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 54   |      |
|                         |    | L6     | 410       |        | 530     | 576    | 1176 |      |
|                         |    | kg     | Netweight | 169    | 329     | 405    | 594  | 1024 |
|                         |    | C1     | 927       | 1102   | 1172    | 1328   | 1608 |      |
|                         |    | C3     | 156       |        | 186     |        | 238  |      |
| For hoisting height: H4 | mm | L1     | 1115      | 1225   | 1306    | 1330   | 1445 |      |
|                         |    | L1*    | 1155      | 1295   | 1390    | 1420   | 1480 |      |
|                         |    | L2     | 512       | 570    | 602     | 610    | 660  |      |
|                         |    | L3     | 629       | 641    | 711     | 663    | 713  |      |
|                         |    | L4     | 195       | 207    | 235     | 211    | 192  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 104  |      |
|                         |    | L6     | 1015      | 1171   | 1241    | 1193   | 1289 |      |
|                         |    | kg     | Netweight | 232    | 466     | 530    | 658  | 1093 |
|                         |    | C1     | 927       | 1102   | 1172    | 1328   | 1608 |      |
|                         |    | C3     | 156       |        | 186     |        | 238  |      |
| For hoisting height: H5 | mm | L1     | 1315      | 1425   | 1526    | 1540   | 1660 |      |
|                         |    | L1*    | 1355      | 1495   | 1610    | 1630   | 1695 |      |
|                         |    | L2     | 612       | 670    | 712     | 715    | 770  |      |
|                         |    | L3     | 829       | 841    | 931     | 873    | 928  |      |
|                         |    | L4     | 295       | 307    | 345     | 316    | 300  |      |
| For hoisting height: H5 | mm | L5     | 90        | 77     | 79      | 73     | 104  |      |
|                         |    | L6     | 1215      | 1371   | 1461    | 1403   | 1504 |      |
|                         |    | kg     | Netweight | 250    | 503     | 575    | 860  | 1215 |

1. Electric motor for the lifting mechanism  
The lifting mechanism is actuated by a synchronous electric motor with conical rotor and built-in conical brake, which is operating under the impact of spiral spring under pressure. The release of the brake is made through the axial movement of the rotor at starting the electric motor, at which the power of the screws springs is overwhelmed. This constructive decision ensures a positive breaking in the event of voltage drop or power loss, and a special magnet-operated brake is not necessary. By using double-speed electric motor or the basic and micro speed for lifting are being realized.

2. Planetary reducer  
The planetary