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## TELESCOPIC HANDLERS

STILL RC 4235



## RC 42 Technical Data

### Diesel and LPG Forklift Truck

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RC 42-15

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RC 42-18

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RC 42-20

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RC 42-25

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RC 42-30

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RC 42-35

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RC 42-40

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RC 42-50

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RC 42-15/50 Diesel and LPG Forklift Truck

The access to success

This specification sheet based on VDI standard 2198, only provides the technical values of the standard forklifts.  
Different tyres, other masts and additional equipment, etc. may produce different figures.



|                      |                               |                                                |                  |                      |                      |                      |                      |                      |                      |                      |                      |                      |             |            |
|----------------------|-------------------------------|------------------------------------------------|------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|------------|
| Distinguishing marks | 1.1                           | Manufacturer                                   |                  |                      | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                |             |            |
|                      | 1.2                           | Manufacturer's type designation                |                  |                      | RC 42-15             | RC 42-18             | RC 42-20             | RC 42-25             | RC 42-30             | RC 42-35             | RC 42-40             | RC 42-50             |             |            |
|                      | 1.2.1                         | Manufacturer's type number                     |                  |                      | 4311                 | 4312                 | 4313                 | 4321                 | 4322                 | 4323                 | 4331                 | 4333                 |             |            |
|                      | 1.3                           | Drive                                          |                  |                      | Diesel               | Diesel               | Diesel               | Diesel               | Diesel               | Diesel               | Diesel               | Diesel               |             |            |
|                      | 1.4                           | Operation                                      |                  |                      | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               |             |            |
|                      | 1.5                           | Rated capacity/rated load                      | Q                | kg                   | 1500                 | 1800                 | 2000                 | 2500                 | 3000                 | 3500                 | 4000                 | 5000                 |             |            |
|                      | 1.6                           | Load centre distance                           | c                | mm                   | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  |             |            |
|                      | 1.8                           | Load distance                                  | x                | mm                   | 435                  | 435                  | 435                  | 484                  | 484                  | 484                  | 562                  | 567                  |             |            |
|                      | 1.9                           | Wheel base                                     | y                | mm                   | 1500                 | 1500                 | 1500                 | 1700                 | 1700                 | 1700                 | 2000                 | 2000                 |             |            |
| Weights              | 2.1                           | Service weight                                 |                  | kg                   | 3040                 | 3210                 | 3280                 | 3950                 | 4400                 | 4880                 | 7240                 | 6560                 | 7780        | 7160       |
|                      | 2.2                           | Axle load, laden                               | front/rear       | kg                   | 3840/700             | 4330/680             | 4540/700             | 6340/610             | 6610/580             | 7300/1100            | 10240/1100           | 9300/1280            | 11330/1450  | 11000/1260 |
|                      | 2.3                           | Axle load, unladen                             | front/rear       | kg                   | 1380/1660            | 1340/1870            | 1320/1960            | 1880/2250            | 1820/2640            | 1640/3240            | 3800/3440            | 3210/3350            | 3160/4620   | 3100/4060  |
| Tyres/chassis        | 3.1                           | Tyres                                          |                  |                      | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         |             |            |
|                      | 3.2                           | Tyre size                                      | front            |                      | 6.50-10/14PR         | 6.50-10/14PR         | 6.50-10/14PR         | 28*9-15/14PR         | 28*9-15/14PR         | 28*9-15/14PR         | 300*15/20PR          | 300*15/20PR          |             |            |
|                      | 3.3                           | Tyre size                                      | rear             |                      | 5.00-8/10PR          | 5.00-8/10PR          | 5.00-8/10PR          | 6.50-10/10PR         | 6.50-10/10PR         | 6.50-10/10PR         | 7.00-12/12PR         | 7.00-12/12PR         |             |            |
|                      | 3.5                           | Wheels, number (x = driven wheels)             | front/rear       |                      | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 |             |            |
|                      | 3.6                           | Track width                                    | front            | b <sub>10</sub>      | mm                   | 940                  | 940                  | 940                  | 1000                 | 1000                 | 1060                 | 1180                 | 1180        |            |
| Basic dimensions     | 3.7                           | Track width                                    | rear             | b <sub>11</sub>      | mm                   | 920                  | 920                  | 920                  | 970                  | 970                  | 970                  | 1190                 | 1190        |            |
|                      | 4.1                           | Tilt of mast/fork carriage                     | forward/backward | α/β                  | °                    | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12        |            |
|                      | 4.2                           | Height of mast                                 | when retracted   | h <sub>1</sub>       | mm                   | 2002                 | 2002                 | 2002                 | 2080                 | 2080                 | 2230                 | 2390                 | 2390        |            |
|                      | 4.3                           | Free lift                                      |                  | h <sub>2</sub>       | mm                   | 128                  | 128                  | 128                  | 140                  | 145                  | 150                  | 150                  | 150         |            |
|                      | 4.4                           | Lift                                           |                  | h <sub>3</sub>       | mm                   | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000        |            |
|                      | 4.5                           | Height of mast                                 | when extended    | h <sub>4</sub>       | mm                   | 4040                 | 4040                 | 4040                 | 4040                 | 4273                 | 4273                 | 4275                 | 4275        |            |
|                      | 4.7                           | Height above protective roof (cab)             |                  | h <sub>6</sub>       | mm                   | 2085                 | 2085                 | 2085                 | 2110                 | 2110                 | 2110                 | 2260                 | 2260        |            |
|                      | 4.8                           | Seat height relating to SIP/stand height       |                  | h <sub>7</sub>       | mm                   | 1140                 | 1140                 | 1140                 | 1165                 | 1165                 | 1165                 | 1315                 | 1315        |            |
|                      | 4.12                          | Coupling height                                |                  | h <sub>10</sub>      | mm                   | 220                  | 220                  | 220                  | 300                  | 300                  | 300                  | 380                  | 380         |            |
|                      | 4.19                          | Total length                                   |                  | l <sub>1</sub>       | mm                   | 3282                 | 3316                 | 3490                 | 3730                 | 3780                 | 3880                 | 4180                 | 4230        |            |
|                      | 4.20                          | Length including fork backs                    |                  | l <sub>2</sub>       | mm                   | 2362                 | 2396                 | 2420                 | 2660                 | 2710                 | 2810                 | 3110                 | 3160        |            |
|                      | 4.21                          | Total width                                    |                  | b <sub>1</sub>       | mm                   | 1140                 | 1140                 | 1140                 | 1225                 | 1225                 | 1296                 | 1485                 | 1485        |            |
|                      | 4.22                          | Fork dimensions ISO 2331                       |                  | s/e/l                | mm                   | 35/120/1070          | 35/120/1070          | 40/122/1070          | 40/122/1070          | 45/125/1070          | 50/125/1070          | 50/150/1070          | 55/150/1070 |            |
|                      | 4.23                          | Fork carriage ISO 2328, class/type A, B        |                  |                      | II A                 | II A                 | II A                 | II A                 | III A                | III A                | III A                | III A                |             |            |
|                      | 4.24                          | Fork carriage width                            |                  | b <sub>3</sub>       | mm                   | 1040                 | 1040                 | 1040                 | 1040                 | 1100                 | 1100                 | 1380                 | 1380        |            |
|                      | 4.31                          | Ground clearance, laden, below mast            |                  | m <sub>1</sub>       | mm                   | 110                  | 110                  | 110                  | 135                  | 135                  | 135                  | 145                  | 145         |            |
|                      | 4.32                          | Ground clearance, centre of wheelbase          |                  | m <sub>2</sub>       | mm                   | 105                  | 105                  | 105                  | 140                  | 140                  | 140                  | 180                  | 180         |            |
|                      | 4.33                          | Aisle width for pallets 1000 x 1200 crossways  |                  | A <sub>st</sub>      | mm                   | 3795                 | 3815                 | 3835                 | 4119                 | 4144                 | 4229                 | 4552                 | 4597        |            |
|                      | 4.34                          | Aisle width for pallets 800 x 1200 lengthways  |                  | A <sub>st</sub>      | mm                   | 3995                 | 4015                 | 4035                 | 4319                 | 4344                 | 4429                 | 4752                 | 4797        |            |
|                      | 4.35                          | Turning radius                                 |                  | W <sub>a</sub>       | mm                   | 2160                 | 2180                 | 2200                 | 2440                 | 2460                 | 2540                 | 2790                 | 2830        |            |
| 4.36                 | Smallest pivot point distance |                                                | b <sub>13</sub>  | mm                   | 601                  | 601                  | 601                  | 810                  | 810                  | 810                  | 900                  | 900                  |             |            |
| Performance data     | 5.1                           | Driving speed                                  | laden/unladen    | km/h                 | 16/16                | 16/16                | 15/15                | 15/16                | 17/17                | 16/17                | 24,4/25,3            | 21/23                | 24,4/25,3   | 21/23      |
|                      | 5.2                           | Lifting speed                                  | laden/unladen    | m/s                  | 0.50/0.64            | 0.45/0.64            | 0.39/0.65            | 0.50/0.66            | 0.52/0.60            | 0.56/0.59            | 0,44/0,53            | 0,40/0,48            | 0,44/0,53   | 0,40/0,48  |
|                      | 5.3                           | Lowering speed                                 | laden/unladen    | m/s                  | 0.38/0.40            | 0.40/0.41            | 0.46/0.45            | 0.49/0.37            | 0.48/0.39            | 0.49/0.40            | 0,42/0,29            | 0,53/0,41            | 0,42/0,29   | 0,53/0,41  |
|                      | 5.5                           | Drawbar pull                                   | laden/unladen    | kN                   | 11.5/10.7            | 11.5/10.7            | 11.5/10.7            | 15/10                | 15/10                | 16/10                | 25/24                | 33/21                | 25/24       | 33/21      |
|                      | 5.7                           | Gradeability                                   | laden/unladen    | %                    | 20/20                | 20/20                | 20/20                | 20/20                | 20/20                | 15/15                | 20/20                | 20/20                | 20/20       | 20/20      |
| 5.10                 | Service brake                 |                                                |                  | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic |             |            |
| IC engine            | 7.1                           | Acceleration time                              |                  |                      | ISUZU C240           | ISUZU C240           | ISUZU C240           | Mitsubishi S4S       | Mitsubishi S4S       | Mitsubishi S4S       | Mitsubishi           | ISUZU                | Mitsubishi  | ISUZU      |
|                      | 7.1.1                         | Type                                           |                  |                      | C240                 | C240                 | C240                 | S4S                  | S4S                  | S4S                  | S6S                  | 6BG1 QC-05           | S6S         | 6BG1 QC-05 |
|                      | 7.2                           | Engine performance in accordance with ISO 1585 |                  | kW                   | 34.3                 | 34.3                 | 34.3                 | 35.3                 | 35.3                 | 35.3                 | 52                   | 55,4                 | 52          | 55,4       |
|                      | 7.3                           | Nominal speed                                  |                  | l/min                | 2500                 | 2500                 | 2500                 | 2250                 | 2250                 | 2250                 | 2300                 | 2000                 | 2300        | 2000       |
|                      | 7.4                           | Number of cylinders                            |                  |                      | 4                    | 4                    | 4                    | 4                    | 4                    | 4                    | 6                    | 6                    | 6           | 6          |
|                      | 7.4.1                         | Capacity                                       |                  | cm³                  | 2369                 | 2369                 | 2369                 | 3331                 | 3331                 | 3331                 | 4966                 | EU Step 1            | 4966        | EU Step 1  |
|                      |                               | Emission level acc. to EU Regulation 2016/1628 |                  |                      | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a |            |
|                      | 7.9                           | Vehicle electrical system voltage              |                  | V                    | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   | 12          |            |
| 8.1                  | Type of drive unit            |                                                |                  | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     |             |            |
| Miscellaneous        | 10.1                          | Operating pressure for attachments             |                  | bar                  | 165                  | 165                  | 165                  | 165                  | 165                  | 165                  | 200                  | 200                  |             |            |
|                      | 10.2                          | Oil volume for attachments                     |                  | l/min                | 23                   | 23                   | 23                   | 23                   | 23                   | 23                   | 101                  | 101                  |             |            |
|                      | 10.4                          | Fuel tank, capacity                            |                  | l                    | 45                   | 45                   | 45                   | 52                   | 52                   | 52                   | 90                   | 90                   |             |            |
|                      | 10.8                          | Towing coupling, type DIN 15170                |                  |                      | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 |             |            |

RC 42-15/50 Diesel and LPG Forklift Truck

The access to success

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|                      |                                   |                                                |  |  |                  |                 |                      |                      |                      |                      |                      |                      |                      |                      |
|----------------------|-----------------------------------|------------------------------------------------|--|--|------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Distinguishing marks | 1.1                               | Manufacturer                                   |  |  |                  |                 | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                | STILL                |
|                      | 1.2                               | Manufacturer's type designation                |  |  |                  |                 | RC 42-15             | RC 42-18             | RC 42-20             | RC 42-25             | RC 42-30             | RC 42-35             | RC 42-40             | RC 42-50             |
|                      | 1.2.1                             | Manufacturer's type number                     |  |  |                  |                 | 4314                 | 4315                 | 4316                 | 4324                 | 4325                 | 4326                 | 4334                 | 4336                 |
|                      | 1.3                               | Drive                                          |  |  |                  |                 | LPG                  | LPG                  | LPG                  | LPG                  | LPG                  | LPG                  | LPG                  | LPG                  |
|                      | 1.4                               | Operation                                      |  |  |                  |                 | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               | Seated               |
|                      | 1.5                               | Rated capacity/rated load                      |  |  | Q                | kg              | 1500                 | 1800                 | 2000                 | 2500                 | 3000                 | 3500                 | 4000                 | 5000                 |
|                      | 1.6                               | Load centre distance                           |  |  | c                | mm              | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  | 500                  |
|                      | 1.8                               | Load distance                                  |  |  | x                | mm              | 435                  | 435                  | 435                  | 479                  | 484                  | 489                  | 562                  | 567                  |
|                      | 1.9                               | Wheel base                                     |  |  | y                | mm              | 1500                 | 1500                 | 1500                 | 1700                 | 1700                 | 1700                 | 2000                 | 2000                 |
| Weights              | 2.1                               | Service weight                                 |  |  |                  | kg              | 2960                 | 3100                 | 3160                 | 4080                 | 4220                 | 4680                 | 6450                 | 6950                 |
|                      | 2.2                               | Axle load, laden                               |  |  | front/rear       | kg              | 3800/660             | 4200/680             | 4440/660             | 6280/480             | 4340/840             | 7180/1000            | 9460/990             | 10850/1100           |
|                      | 2.3                               | Axle load, unladen                             |  |  | front/rear       | kg              | 1340/1620            | 1280/1820            | 1280/1880            | 1880/2200            | 1680/2540            | 1550/3130            | 2645/3805            | 2800/4150            |
| Tyres/chassis        | 3.1                               | Tyres                                          |  |  |                  |                 | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         | Superelastic         |
|                      | 3.2                               | Tyre size                                      |  |  | front            |                 | 6,50-10/14PR         | 6,50-10/14PR         | 6,50-10/14PR         | 28*9-15/14PR         | 28*9-15/14PR         | 28*9-15/14PR         | 300*15/20PR          | 300*15/20PR          |
|                      | 3.3                               | Tyre size                                      |  |  | rear             |                 | 5,00-8/10PR          | 5,00-8/10PR          | 5,00-8/10PR          | 6,50-10/10PR         | 6,50-10/10PR         | 6,50-10/10PR         | 7,00-12/12PR         | 7,00-12/12PR         |
|                      | 3.5                               | Wheels, number (x = driven wheels)             |  |  | front/rear       |                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 | 2x/2                 |
|                      | 3.6                               | Track width                                    |  |  | front            | b <sub>10</sub> | mm                   | 940                  | 940                  | 940                  | 1000                 | 1000                 | 1060                 | 1180                 |
| Basic dimensions     | 3.7                               | Track width                                    |  |  | rear             | b <sub>11</sub> | mm                   | 920                  | 920                  | 920                  | 970                  | 970                  | 970                  | 1190                 |
|                      | 4.1                               | Tilt of mast/fork carriage                     |  |  | forward/backward | α/β             | °                    | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 | 6/12                 |
|                      | 4.2                               | Height of mast                                 |  |  | when retracted   | h <sub>1</sub>  | mm                   | 2002                 | 2002                 | 2002                 | 2080                 | 2080                 | 2230                 | 2390                 |
|                      | 4.3                               | Free lift                                      |  |  |                  | h <sub>2</sub>  | mm                   | 128                  | 128                  | 128                  | 140                  | 145                  | 150                  | 150                  |
|                      | 4.4                               | Lift                                           |  |  |                  | h <sub>3</sub>  | mm                   | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 | 3000                 |
|                      | 4.5                               | Height of mast                                 |  |  | when extended    | h <sub>4</sub>  | mm                   | 4040                 | 4040                 | 4040                 | 4040                 | 4273                 | 4273                 | 4275                 |
|                      | 4.7                               | Height above protective roof (cab)             |  |  |                  | h <sub>6</sub>  | mm                   | 2085                 | 2085                 | 2085                 | 2110                 | 2110                 | 2110                 | 2260                 |
|                      | 4.8                               | Seat height relating to SIP/stand height       |  |  |                  | h <sub>7</sub>  | mm                   | 1140                 | 1140                 | 1140                 | 1165                 | 1165                 | 1165                 | 1315                 |
|                      | 4.12                              | Coupling height                                |  |  |                  | h <sub>10</sub> | mm                   | 220                  | 220                  | 220                  | 300                  | 300                  | 300                  | 380                  |
|                      | 4.19                              | Total length                                   |  |  |                  | l <sub>1</sub>  | mm                   | 3282                 | 3316                 | 3490                 | 3730                 | 3780                 | 3880                 | 4186                 |
|                      | 4.20                              | Length including fork backs                    |  |  |                  | l <sub>2</sub>  | mm                   | 2362                 | 2396                 | 2420                 | 2660                 | 2710                 | 2810                 | 3116                 |
|                      | 4.21                              | Total width                                    |  |  |                  | b <sub>1</sub>  | mm                   | 1140                 | 1140                 | 1140                 | 1225                 | 1225                 | 1285                 | 1485                 |
|                      | 4.22                              | Fork dimensions ISO 2331                       |  |  | s/e/l            | mm              | 35/120/1070          | 35/120/1070          | 40/122/1070          | 40/122/1070          | 45/125/1070          | 50/125/1070          | 50/150/1070          | 55/150/1070          |
|                      | 4.23                              | Fork carriage ISO 2328, class/type A, B        |  |  |                  |                 | II A                 | II A                 | II A                 | II A                 | III A                | III A                | III A                | III A                |
|                      | 4.24                              | Fork carriage width                            |  |  |                  | b <sub>3</sub>  | mm                   | 1040                 | 1040                 | 1040                 | 1040                 | 1100                 | 1100                 | 1480                 |
|                      | 4.31                              | Ground clearance, laden, below mast            |  |  |                  | m <sub>1</sub>  | mm                   | 110                  | 110                  | 110                  | 135                  | 135                  | 135                  | 145                  |
|                      | 4.32                              | Ground clearance, centre of wheelbase          |  |  |                  | m <sub>2</sub>  | mm                   | 105                  | 105                  | 105                  | 140                  | 140                  | 140                  | 180                  |
|                      | 4.33                              | Aisle width for pallets 1000 x 1200 crossways  |  |  |                  | A <sub>st</sub> | mm                   | 3795                 | 3815                 | 3835                 | 4119                 | 4144                 | 4229                 | 4557                 |
|                      | 4.34                              | Aisle width for pallets 800 x 1200 lengthways  |  |  |                  | A <sub>st</sub> | mm                   | 3995                 | 4015                 | 4035                 | 4319                 | 4344                 | 4429                 | 4757                 |
| 4.35                 | Turning radius                    |                                                |  |  | W <sub>a</sub>   | mm              | 2160                 | 2180                 | 2200                 | 2440                 | 2460                 | 2540                 | 2795                 |                      |
| 4.36                 | Smallest pivot point distance     |                                                |  |  | b <sub>13</sub>  | mm              | 601                  | 601                  | 601                  | 810                  | 810                  | 810                  | 922                  |                      |
| Performance data     | 5.1                               | Driving speed                                  |  |  | laden/unladen    |                 | km/h                 | 16/16                | 16/16                | 16/16                | 17/18                | 18/19                | 20/22                | 20/22                |
|                      | 5.2                               | Lifting speed                                  |  |  | laden/unladen    |                 | m/s                  | 0.46/0.70            | 0.46/0.74            | 0.65/0.69            | 0.32/0.46            | 0.37/0.46            | 0.34/0.48            | 0.45/0.48            |
|                      | 5.3                               | Lowering speed                                 |  |  | laden/unladen    |                 | m/s                  | 0.38/0.42            | 0.40/0.40            | 0.52/0.53            | 0.47/0.43            | 0.46/0.38            | 0.46/0.38            | 0.38/0.35            |
|                      | 5.5                               | Drawbar pull                                   |  |  | laden/unladen    |                 | KN                   | 20/10                | 20/9                 | 20/14                | 17/13                | 15/10                | 16/10                | 20/15                |
|                      | 5.7                               | Gradeability                                   |  |  | laden/unladen    |                 | %                    | 20/20                | 20/20                | 20/20                | 20/20                | 20/20                | 20/20                | 20/20                |
| 5.10                 | Service brake                     |                                                |  |  |                  |                 | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic | Mechanical/hydraulic |
| IC engine            | 7.1                               | Acceleration time                              |  |  |                  |                 | GCT/K21              | GCT/K21              | GCT/K21              | GCT/K25              | GCT/K25              | GCT/K25              | PSI/4,3l             | PSI/4,3l             |
|                      | 7.2                               | Engine performance in accordance with ISO 1585 |  |  |                  | kW              | 32.3                 | 32.3                 | 32.3                 | 37.4                 | 37.4                 | 37.4                 | 69.8                 | 69.8                 |
|                      | 7.3                               | Nominal speed                                  |  |  |                  | l/min           | 2400                 | 2400                 | 2400                 | 2400                 | 2400                 | 2400                 | 2300                 | 2300                 |
|                      | 7.4                               | Number of cylinders                            |  |  |                  |                 | 4                    | 4                    | 4                    | 4                    | 4                    | 4                    | 6                    | 6                    |
|                      | 7.4.1                             | Capacity                                       |  |  |                  | cm³             | 2095                 | 2095                 | 2095                 | 2488                 | 2488                 | 2488                 | 4294                 | 4294                 |
|                      |                                   | Emission level acc. to EU Regulation 2016/1628 |  |  |                  |                 | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          | Stage III a          |
| 7.9                  | Vehicle electrical system voltage |                                                |  |  | V                | 12              | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   | 12                   |                      |
| Miscellaneous        | 8.1                               | Type of drive unit                             |  |  |                  |                 | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     | Torque converter     |
|                      | 10.1                              | Operating pressure for attachments             |  |  |                  | bar             | 165                  | 165                  | 165                  | 165                  | 165                  | 165                  | 200                  | 200                  |
|                      | 10.2                              | Oil volume for attachments                     |  |  |                  | l/min           | 23                   | 23                   | 23                   | 23                   | 23                   | 23                   | 108                  | 108                  |
|                      | 10.4                              | Fuel tank, capacity                            |  |  |                  | kg              | 11                   | 11                   | 11                   | 11                   | 11                   | 11                   | 22                   | 22                   |
|                      | 10.8                              | Towing coupling, type DIN 15170                |  |  |                  |                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 | Bolt                 |

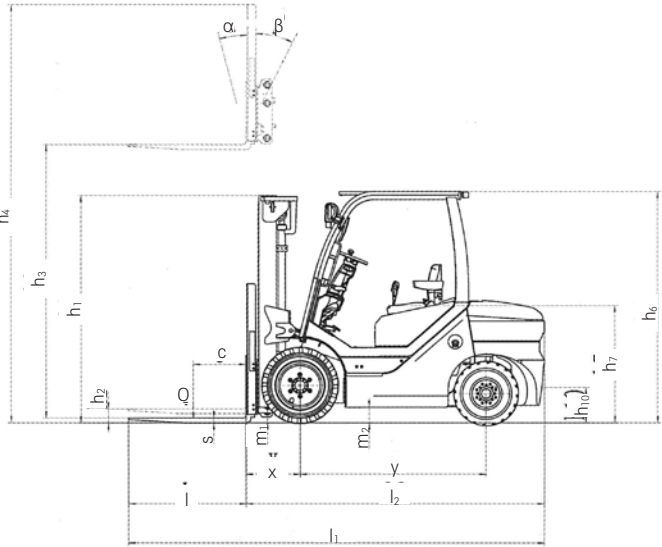
RC 42-15/50 Diesel and LPG Forklift Truck

Mast Tables

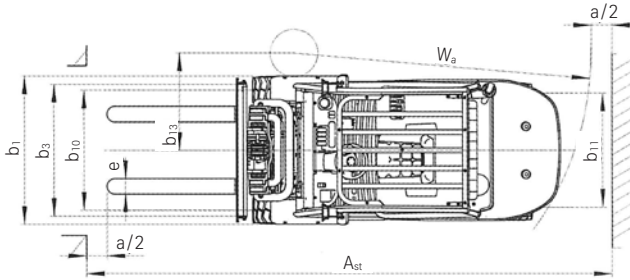


|                               |                               |                |    | Telescopic mast            |      |      |      |      | HiLo mast |      |      | Triplex mast |      |      |      |      |      |      |
|-------------------------------|-------------------------------|----------------|----|----------------------------|------|------|------|------|-----------|------|------|--------------|------|------|------|------|------|------|
| RC 42-15/RC 42-18<br>RC 42-20 | Nominal lift                  | $h_3$          | mm | 3000                       | 3300 | 4000 | 4500 | 5000 | 3000      | 3300 | 4000 | 4350         | 4500 | 4700 | 4800 | 5000 | 5500 | 6000 |
|                               | Height mast lowered           | $h_1$          | mm | 2002                       | 2152 | 2552 | 2802 | 3052 | 2002      | 2152 | 2552 | 2102         | 2152 | 2217 | 2252 | 2395 | 2629 | 2862 |
|                               | Free lift                     | $h_2$          | mm | 128                        | 128  | 128  | 128  | 128  | 1411      | 1561 | 1961 | 1489         | 1539 | 1604 | 1639 | 1782 | 2016 | 2249 |
|                               | Height mast extended          | $h_4$          | mm | 4041                       | 4341 | 5041 | 5541 | 6041 | 4041      | 4341 | 5041 | 5391         | 5541 | 5741 | 5841 | 6041 | 6541 | 7041 |
|                               | Tilt of mast forward/backward | $\alpha/\beta$ | °  | 6/12                       | 6/12 | 6/8  | 6/6  | 3/6  | 6/12      | 6/12 | 6/8  | 6/6          | 6/6  | 6/6  | 6/6  | 6/6  | 3/6  | 3/6  |
|                               | Tyres front/rear              |                |    | 6,50-10/14PR//5,00-8/10PR  |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
|                               | Track front/rear              |                | mm | 940/920                    |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
| Overall width                 |                               |                |    | $b_1$                      | mm   | 1140 |      |      |           |      |      |              |      |      |      |      |      |      |
| RC 42-25                      | Nominal lift                  | $h_3$          | mm | 3000                       | 3300 | 4000 | 4500 | 5000 | 3000      | 3300 | 4000 | 4350         | 4500 | 4700 |      | 5000 | 5500 | 6000 |
|                               | Height mast lowered           | $h_1$          | mm | 2080                       | 2230 | 2630 | 2880 | 3130 | 2080      | 2230 | 2630 | 2130         | 2180 | 2245 |      | 2423 | 2657 | 2890 |
|                               | Free lift                     | $h_2$          | mm | 140                        | 140  | 140  | 140  | 140  | 1425      | 1575 | 1975 | 1500         | 1550 | 1615 |      | 1793 | 2027 | 2260 |
|                               | Height mast extended          | $h_4$          | mm | 4040                       | 4340 | 5040 | 5540 | 6040 | 4040      | 4340 | 5040 | 5390         | 5540 | 5740 |      | 6040 | 6540 | 7040 |
|                               | Tilt of mast forward/backward | $\alpha/\beta$ | °  | 6/12                       | 6/12 | 6/8  | 6/8  | 3/6  | 6/12      | 6/12 | 6/8  | 6/6          | 6/6  | 6/6  | 6/6  | 6/6  | 3/6  | 3/6  |
|                               | Tyres front/rear              |                |    | 28*9-15/14PR//6,50-10/14PR |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
|                               | Track front/rear              |                | mm | 1000/970                   |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
| Overall width                 |                               |                |    | $b_1$                      | mm   | 1225 |      |      |           |      |      |              |      |      |      |      |      |      |
| RC 42-30                      | Nominal lift                  | $h_3$          | mm | 3000                       | 3300 | 4000 | 4500 | 5000 | 3000      | 3300 | 4000 | 4350         | 4500 | 4700 |      | 5000 | 5500 | 6000 |
|                               | Height mast lowered           | $h_1$          | mm | 2080                       | 2230 | 2630 | 2880 | 3130 | 2080      | 2230 | 2630 | 2130         | 2180 | 2245 |      | 2423 | 2657 | 2890 |
|                               | Free lift                     | $h_2$          | mm | 145                        | 145  | 145  | 145  | 145  | 1425      | 1575 | 1975 | 1500         | 1550 | 1615 |      | 1793 | 2027 | 2260 |
|                               | Height mast extended          | $h_4$          | mm | 4040                       | 4340 | 5040 | 5540 | 6040 | 4040      | 4340 | 5040 | 5390         | 5540 | 5740 |      | 6040 | 6540 | 7040 |
|                               | Tilt of mast forward/backward | $\alpha/\beta$ | °  | 6/12                       | 6/12 | 6/8  | 6/8  | 3/6  | 6/12      | 6/12 | 6/8  | 6/6          | 6/6  | 6/6  | 6/6  | 6/6  | 3/6  | 3/6  |
|                               | Tyres front/rear              |                |    | 28*9-15/14PR//6,50-10/14PR |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
|                               | Track front/rear              |                | mm | 1000/970                   |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
| Overall width                 |                               |                |    | $b_1$                      | mm   | 1225 |      |      |           |      |      |              |      |      |      |      |      |      |
| RC 42-35                      | Nominal lift                  | $h_3$          | mm | 3000                       | 3300 | 4000 | 4500 | 5000 | 3000      | 3300 | 4000 | 4350         | 4500 | 4700 |      | 5000 | 5500 | 6000 |
|                               | Height mast lowered           | $h_1$          | mm | 2080                       | 2230 | 2630 | 2880 | 3130 | 2080      | 2230 | 2630 | 2130         | 2180 | 2245 |      | 2423 | 2657 | 2890 |
|                               | Free lift                     | $h_2$          | mm | 150                        | 150  | 150  | 150  | 150  | 1430      | 1580 | 1980 | 1505         | 1555 | 1620 |      | 1798 | 2032 | 2265 |
|                               | Height mast extended          | $h_4$          | mm | 4040                       | 4340 | 5040 | 5540 | 6040 | 4040      | 4340 | 5040 | 5390         | 5540 | 5740 |      | 6040 | 6540 | 7040 |
|                               | Tilt of mast forward/backward | $\alpha/\beta$ | °  | 6/12                       | 6/12 | 6/8  | 6/8  | 3/6  | 6/12      | 6/12 | 6/8  | 6/6          | 6/6  | 6/6  | 6/6  | 6/6  | 3/6  | 3/6  |
|                               | Tyres front/rear              |                |    | 28*9-15/14PR//6,50-10/14PR |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
|                               | Track front/rear              |                | mm | 1060/970                   |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
| Overall width                 |                               |                |    | $b_1$                      | mm   | 1296 |      |      |           |      |      |              |      |      |      |      |      |      |
| RC 42-40/RC 42-50             | Nominal lift                  | $h_3$          | mm | 3000                       | 3300 | 4000 | 4500 | 5000 | 3000      | 3500 | 4000 | 3920         | 4350 | 4500 | 4700 | 5000 | 5500 | 6000 |
|                               | Height mast lowered           | $h_1$          | mm | 2390                       | 2540 | 2940 | 3190 | 3440 | 2390      | 2640 | 2890 | 2245         | 2390 | 2441 | 2507 | 2640 | 2807 | 3005 |
|                               | Free lift                     | $h_2$          | mm | 150                        | 150  | 150  | 150  | 150  | 1544      | 1794 | 2044 | 1399         | 1544 | 1595 | 1661 | 1794 | 1961 | 2159 |
|                               | Height mast extended          | $h_4$          | mm | 4275                       | 4575 | 5275 | 5775 | 6275 | 4275      | 4775 | 5275 | 5195         | 5625 | 5775 | 5975 | 6275 | 6771 | 7275 |
|                               | Tilt of mast forward/backward | $\alpha/\beta$ | °  | 6/12                       | 6/12 | 6/8  | 6/6  | 3/6  | 6/12      | 6/12 | 6/8  | 6/6          | 6/6  | 6/6  | 6/6  | 6/6  | 3/6  | 3/6  |
|                               | Tyres front/rear              |                |    | 28*9-15/14PR//6,50-10/10PR |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
|                               | Track front/rear              |                | mm | 1180/1190                  |      |      |      |      |           |      |      |              |      |      |      |      |      |      |
| Overall width                 |                               |                |    | $b_1$                      | mm   | 1485 |      |      |           |      |      |              |      |      |      |      |      |      |

Technical Drawings



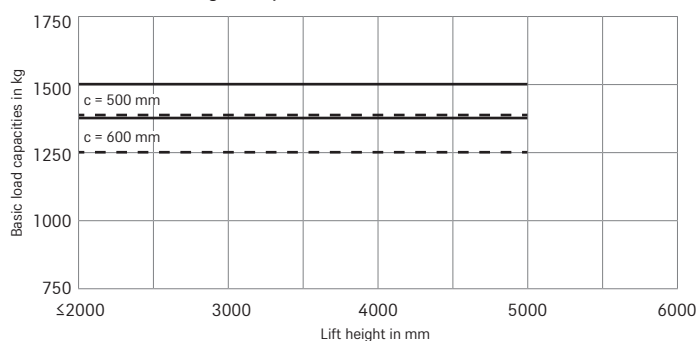
Side view



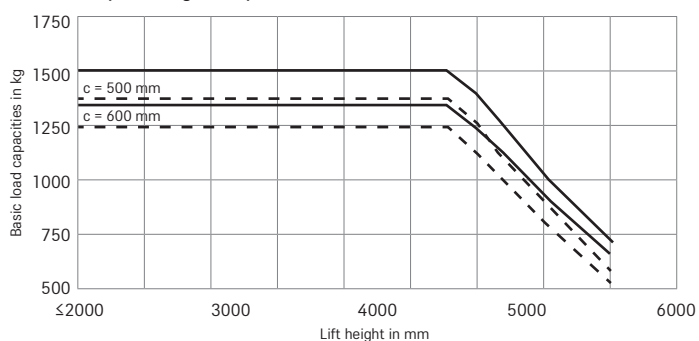
# RC 42-15/50 Diesel and LPG Forklift Truck

## Basic Load Capacities

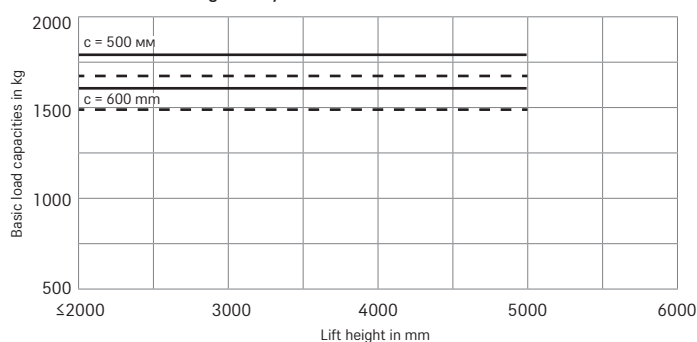
RC 42-15 Tele/HiLo - single SE tyres



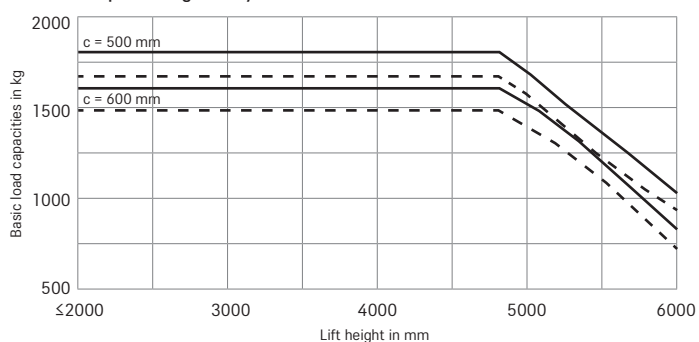
RC 42-15 Triplex - single SE tyres



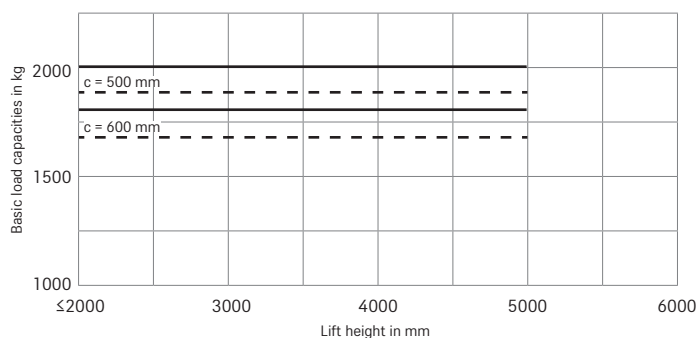
RC 42-18 Tele/HiLo - single SE tyres



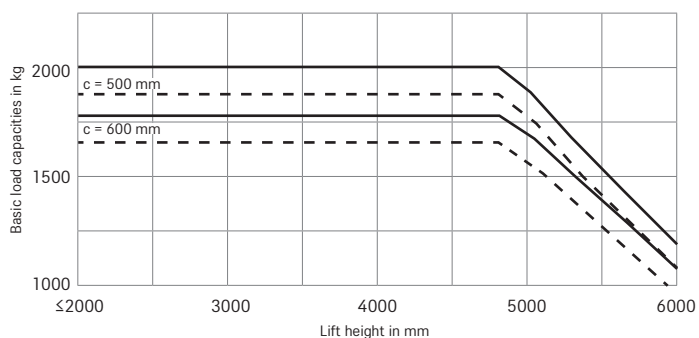
RC 42-18 Triplex - single SE tyres



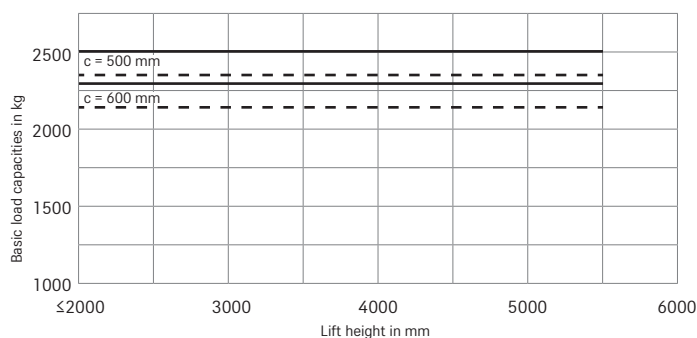
RC 42-20 Tele/HiLo - single SE tyres



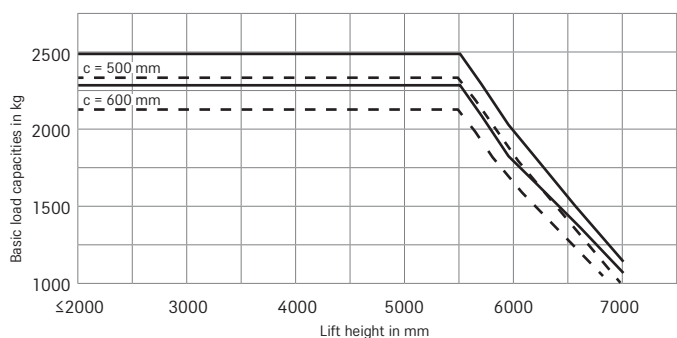
RC 42-20 Triplex - single SE tyres



RC 42-25 Tele/HiLo - single SE tyres



RC 42-25 Triplex - single SE tyres

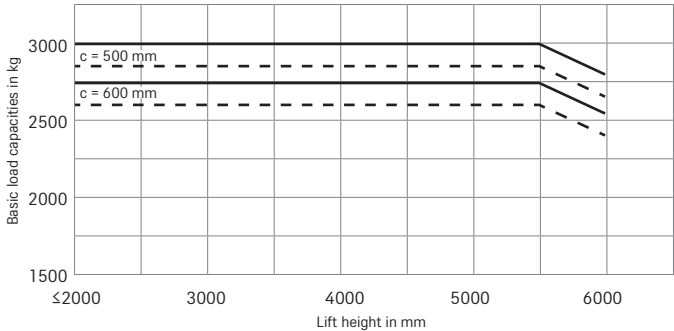


— Standard    - - - With integrated sideshift fork positioner and standard forks  
The values may vary depending on the truck equipment

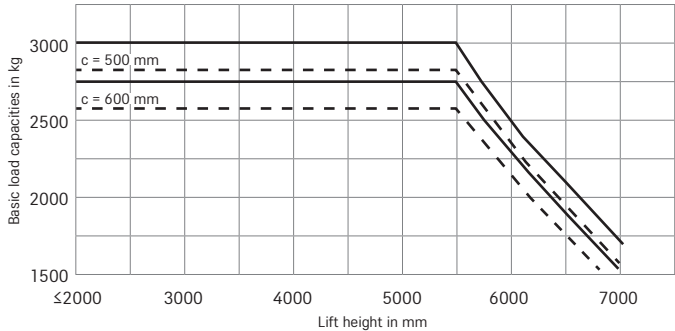
# RC 42-15/50 Diesel and LPG Forklift Truck

## Basic Load Capacities

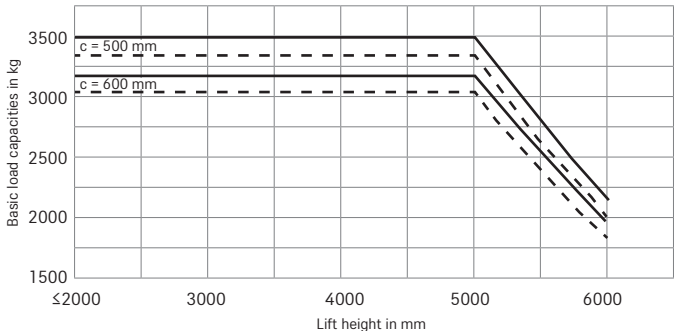
RC 42-30 Tele/HiLo - single SE tyres



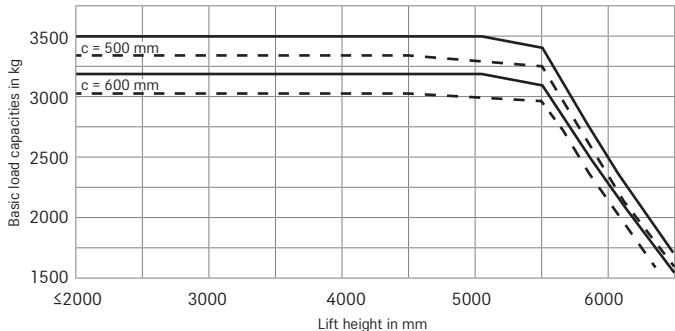
RC 42-30 Triplex - single SE tyres



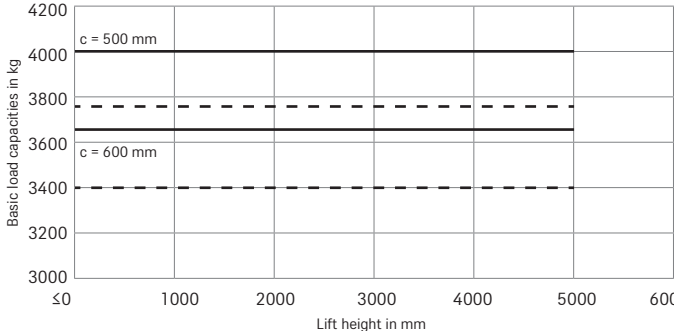
RC 42-35 Tele/HiLo - single SE tyres



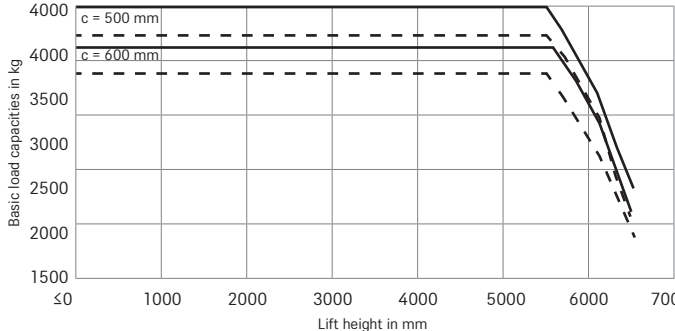
RC 42-35 Triplex - single SE tyres



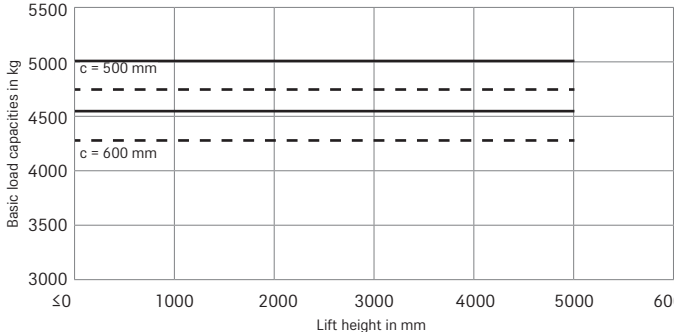
RC 42-40 Tele/HiLo - single SE tyres



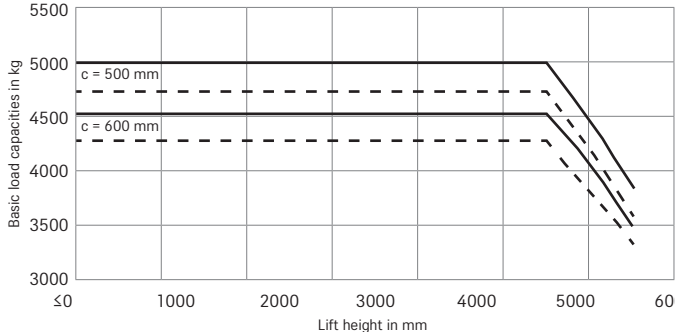
RC 42-40 Triplex - single SE tyres



RC 42-50 Tele/HiLo - single SE tyres



RC 42-50 Triplex - single SE tyres



— Standard      - - - With integrated sideshift fork positioner and standard forks  
 The values may vary depending on the truck equipment



|              |                                                                                                                                 | Diesel   |          |          |          |          |          |          |          | LPG      |          |          |          |          |          |          |          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|              |                                                                                                                                 | RC 42-15 | RC 42-18 | RC 42-20 | RC 42-25 | RC 42-30 | RC 42-35 | RC 42-40 | RC 42-50 | RC 42-15 | RC 42-18 | RC 42-20 | RC 42-25 | RC 42-30 | RC 42-35 | RC 42-40 | RC 42-50 |
| Driver's cab | Steel overhead guard with open design                                                                                           | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Various weatherproofing options                                                                                                 | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Tarpaulin cab                                                                                                                   | —        | —        | —        | ○        | ○        | ○        | ○        | ○        | —        | —        | —        | ○        | ○        | ○        | ○        | ○        |
|              | Driver's cab                                                                                                                    | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Door on right and left with double sliding windows                                                                              | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Tinted front and rear windscreen, plastic roof window                                                                           | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Front and rear windscreen wiper and wash system                                                                                 | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Handhold for reversing located on back right-hand side                                                                          | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ○        | ○        |
|              | Comfortable operator's seat                                                                                                     | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Warm water heating                                                                                                              | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
| Mast         | Fan to keep operator platform cool in warm conditions                                                                           | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        |
|              | Telescopic free view mast with and without full free lift                                                                       | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Triplex free view mast                                                                                                          | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Load backrest                                                                                                                   | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Various fork carriage widths                                                                                                    | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
| Tyres        | Tilt angle 6/12 degrees, front/rear tilt                                                                                        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Sideshift fork positioner                                                                                                       | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
| Hydraulics   | Super-elastic tyres, single or twin                                                                                             | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Super-elastic tyres, natural colours, single or twin                                                                            | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Pneumatic tyres                                                                                                                 | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Single or double-acting ancillary hydraulic system for controlling attachments                                                  | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Ergonomic and sensitive multi-lever operating controls                                                                          | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
| Drive        | High-quality multi-purpose universal oil for combustion engine and drive axle – for use all year round                          | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Low-temperature hydraulic oil for combustion engine and drive axle – for forklifts operating in low temperatures down to -20 °C | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        | —        | —        | —        | —        | —        | —        |
|              | Valve block preparation for controlling attachments with one or two functions without hose connections                          | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Forklifts with LPG system                                                                                                       | —        | —        | —        | —        | —        | —        | —        | —        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Dry air filter with additional pre-filter                                                                                       | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        |
|              | Larger dry air filter                                                                                                           | —        | —        | —        | —        | ○        | ○        | —        | —        | —        | —        | —        | —        | —        | —        | ○        | ○        |
|              | Dry air filter                                                                                                                  | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Raised exhaust pipe                                                                                                             | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ○        | ○        | ○        | —        | —        |
|              | Powerful industrial diesel engine                                                                                               | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | —        | —        | —        | —        | —        | —        | —        | —        |
|              | Powerful industrial LPG engine                                                                                                  | —        | —        | —        | —        | —        | —        | —        | —        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
| Brake        | Ergonomic holder for LPG cylinders of different diameters – swivel and fold-out design for simpler cylinder replacement         | —        | —        | —        | —        | —        | —        | —        | —        | ○        | ○        | ○        | ○        | ○        | ○        | —        | —        |
|              | Holder for 2 LPG cylinders with different diameters – swivel design for simpler bottle replacement                              | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | ●        | ●        |
|              | Holder for LPG cylinders with different diameters – swivel design for simpler bottle replacement                                | —        | —        | —        | —        | —        | —        | —        | —        | ●        | ●        | ●        | ●        | ●        | ●        | —        | —        |
|              | Diesel fuel tank, 45 litres                                                                                                     | ●        | ●        | ●        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        |
|              | Diesel fuel tank, 52 litres                                                                                                     | —        | —        | —        | ●        | ●        | ●        | —        | —        | —        | —        | —        | —        | —        | —        | —        | —        |
|              | Diesel fuel tank, 90 litres                                                                                                     | —        | —        | —        | —        | —        | —        | ●        | ●        | —        | —        | —        | —        | —        | —        | —        | —        |
|              | Mechanical/hydraulic operating brake                                                                                            | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Low centre of gravity and steering axle with high self-aligning bearing for optimum safety                                      | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Simple and safe entry and exit via large non-slip steps                                                                         | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Rear safety light, blue light spot and audible alarm                                                                            | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
| Safety       | Audible alarm                                                                                                                   | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | LED lighting system                                                                                                             | ●        | ●        | ●        | ●        | ●        | ●        | ○        | ○        | ●        | ●        | ●        | ●        | ●        | ●        | ○        | ○        |
|              | Audible alarm when reversing                                                                                                    | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | Flashing light                                                                                                                  | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |
|              | Panoramic mirror                                                                                                                | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        | ●        |
|              | External rear mirror                                                                                                            | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        | ○        |

● Standard   ○ Optional   — Not available

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 *Keep on moving to the future.*

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AUTOVICTOR s.r.l.

Via Galvani 11/13

28060 San Pietro Mosezzo - Novara

Tel. +39 0321 35000

[info@autovictor.it](mailto:info@autovictor.it)

[www.autovictor.it](http://www.autovictor.it)