

# G<sub>LOBAL SALES NETWORK</sub>



## R Series

4.0/4.5/5.0t Diesel



CE CERTIFICATE



ISO14001: 2004



ISO9001: 2008

**HANGCHA GROUP CO., LTD.**  
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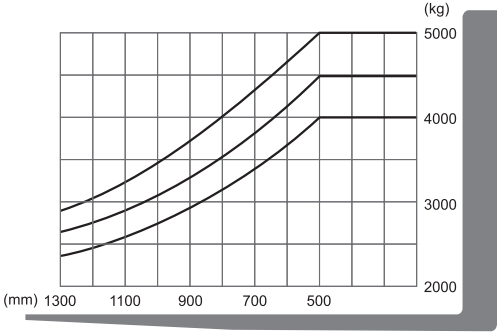
R series 4.0 ~ 5.0t forklift specification:

|                                 |                                                                          |                           |                 |                        |                  |           |            |                   |                  |             |             |                   |                  |           |            |        |          |
|---------------------------------|--------------------------------------------------------------------------|---------------------------|-----------------|------------------------|------------------|-----------|------------|-------------------|------------------|-------------|-------------|-------------------|------------------|-----------|------------|--------|----------|
| General                         | 1 Manufacturer                                                           |                           |                 | HANGCHA GROUP          |                  |           |            |                   |                  |             |             |                   |                  |           |            |        |          |
|                                 | 2 Basic model                                                            |                           |                 | CPCD40                 |                  |           |            | CPCD45            |                  |             |             | CPCD50            |                  |           |            |        |          |
|                                 | 3 Type                                                                   |                           |                 | RW5                    | RW19             | RW35      | RG24       | RW5               | RW19             | RW35        | RG24        | RXW5              | RXW19            | RXW35     | RXG24      |        |          |
|                                 | 4 Power type                                                             |                           |                 | Diesel                 |                  |           |            | Diesel            |                  |             |             | Diesel            |                  |           |            |        |          |
|                                 | 5 Rated capacity                                                         |                           |                 | kg                     | 4000             |           |            |                   | 4500             |             |             |                   | 5000             |           |            |        |          |
|                                 | 6 Load center                                                            |                           |                 | mm                     | 500              |           |            |                   | 500              |             |             |                   | 500              |           |            |        |          |
| Characteristics & Dimensions    | 7 Lift height                                                            |                           |                 | mm                     | 3000             |           |            |                   | 3000             |             |             |                   | 3000             |           |            |        |          |
|                                 | 8 Free lift height                                                       |                           |                 | mm                     | 160              |           |            |                   | 160              |             |             |                   | 160              |           |            |        |          |
|                                 | 9 Fork size                                                              |                           | L×W×T           | mm                     | 1070×122×50      |           |            |                   | 1070 ×150 ×50    |             |             |                   | 1070 ×150 ×55    |           |            |        |          |
|                                 | 10 Mast tilt range                                                       |                           | F / R           | deg                    | 6 / 12           |           |            |                   | 6 / 12           |             |             |                   | 6 / 12           |           |            |        |          |
|                                 | 11 Fork overhang(Wheel center to fork face)                              |                           |                 | mm                     | 550              |           |            |                   | 550              |             |             |                   | 555              |           |            |        |          |
|                                 | 12 Rear overhang                                                         |                           |                 | mm                     | 520              |           |            |                   | 560              |             |             |                   | 560              |           |            |        |          |
|                                 | Overall dimensions                                                       | 13 Length to face of fork |                 | mm                     | 3070             |           |            |                   | 3110             | 3110        |             | 3110              |                  | 3215      |            |        |          |
|                                 |                                                                          | 14 Overall width          |                 | mm                     | 1395             |           |            |                   | 1490             | 1490        |             | 1490              |                  | 1490      |            |        |          |
|                                 |                                                                          | 15 Mast lowered height    |                 | mm                     | 2245             |           |            |                   | 2245             |             |             |                   | 2245             |           |            |        |          |
|                                 |                                                                          | 16 Mast extended height   |                 | mm                     | 4170             |           |            |                   | 4170             |             |             |                   | 4365             |           |            |        |          |
|                                 |                                                                          | 17 Overhead guard height  |                 | mm                     | 2050(2290*)      |           |            |                   | 2050(2290*)      |             |             |                   | 2050(2290*)      |           |            |        |          |
|                                 | 18 Turning radius(outside)                                               |                           |                 | mm                     | 2690             |           |            |                   | 2720             | 2720        |             | 2720              |                  | 2810      |            |        |          |
|                                 | 19 Min. right angle stacking aisle width (Add load length and clearance) |                           |                 | mm                     | 3240             |           |            |                   | 3270             |             |             |                   | 3365             |           |            |        |          |
| Performance                     | 20 Speed                                                                 |                           |                 | Travel (No load)       | km/h             | 0 ~ 25    | 0 ~ 26     | 0 ~ 24            | 0 ~ 26           | 0 ~ 25      | 0 ~ 26      | 0 ~ 24            | 0 ~ 25           | 0 ~ 25    | 0 ~ 26     | 0 ~ 24 | 0 ~ 26   |
|                                 |                                                                          |                           |                 | Lifting (Full load)    | mm/sec           | 440       | 460        | 430               | 440              | 440         | 460         | 430               | 440              | 380       | 400        | 430    | 380      |
|                                 |                                                                          |                           |                 | Lowering (Full load)   | mm/sec           | 500       |            |                   |                  | 500         |             |                   |                  | 500       |            |        |          |
|                                 | 23 Max.Drawbar Pull (Full load)                                          |                           |                 | N                      | 38200            | 35900     | 35000      | 37200             | 38200            | 35900       | 35000       | 37200             | 38200            | 35900     | 35000      | 37200  |          |
| 24 Max.Gradeability (Full load) |                                                                          |                           | %               | 20                     |                  |           |            | 20                | 20               | 20          | 20          | 20                | 20               | 20        | 20         | 20     |          |
| Chassis                         | 25 Tyres                                                                 |                           | Front           | mm                     | 8.25 -15 -14PR   |           |            |                   | 300-15-18PR      |             |             |                   | 300-15-18PR      |           |            |        |          |
|                                 |                                                                          |                           | Rear            | mm                     | 7.00 - 12 - 12PR |           |            |                   | 7.00 - 12 - 12PR |             |             |                   | 7.00 - 12 - 12PR |           |            |        |          |
|                                 | 27 Tread                                                                 | Front                     |                 | mm                     | 1160             |           |            |                   | 1190             | 1190        | 1190        | 1190              | 1190             |           |            |        |          |
|                                 |                                                                          | Rear                      |                 | mm                     | 1130             |           |            |                   | 1130             |             |             |                   | 1130             |           |            |        |          |
|                                 | 29 Wheelbase                                                             |                           |                 | mm                     | 2000             |           |            |                   | 2000             |             |             |                   | 2100             |           |            |        |          |
|                                 | 30 Ground clearance                                                      |                           |                 | Lowest                 | 170              |           |            |                   | 170              |             |             |                   | 170              |           |            |        |          |
| Weight                          | 31 Wheelbase center                                                      |                           |                 | 230                    |                  |           |            | 230               |                  |             |             | 230               |                  |           |            |        |          |
|                                 | 32 Self weight                                                           |                           |                 | kg                     | 6300             |           |            |                   | 6500             |             |             |                   | 6850             |           |            |        |          |
|                                 | 33 Weight Distribution                                                   | Full load                 |                 | Front / Rear           | 9000 / 1300      |           |            |                   | 9625/1375        | 9625 / 1375 | 9625 / 1375 | 9625 / 1375       | 10450/1400       |           |            |        |          |
|                                 |                                                                          | No load                   |                 | Front / Rear           | 2800 / 3500      |           |            |                   | 2820/3680        | 2820 / 3680 | 2820 / 3680 | 2820 / 3680       | 3000/3850        |           |            |        |          |
|                                 | 35 Battery                                                               |                           |                 | Voltage/Capacity(20HR) | V/Ah             | 2×12/ 60  |            |                   |                  | 2×12/ 60    |             |                   |                  | 2×12/ 60  |            |        |          |
|                                 | Power & transmission                                                     | Engine                    | 36 Model        |                        |                  | B3.3T     | TD42       | 1104              | LR4B3-22         | B3.3T       | TD42        | 1104              | LR4B3-22         | B3.3T     | TD42       | 1104   | LR4B3-22 |
| 37 Manufacture                  |                                                                          |                           |                 | COMMINS                | NISSAN           | PERKINS   | LUOTUO     | COMMINS           | NISSAN           | PERKINS     | LUOTUO      | COMMINS           | NISSAN           | PERKINS   | LUOTUO     |        |          |
| 38 Rated output / r.p.m.        |                                                                          |                           | kW              | 60 / 2200              | 59/2300          | 56/2200   | 57 / 2200  | 60 / 2200         | 59/2300          | 56/2200     | 57 / 2200   | 60 / 2200         | 59/2300          | 56/2200   | 57 / 2200  |        |          |
| 39 Rated torque / r.p.m.        |                                                                          |                           | N · m           | 292 / 1600             | 254/1800         | 265/1700  | 285 / 1400 | 292 / 1600        | 254/1800         | 265/1700    | 285 / 1400  | 292 / 1600        | 254/1800         | 265/1700  | 285 / 1400 |        |          |
| 40 No. of cylinder              |                                                                          |                           |                 | 4                      | 6                | 4         | 4          | 4                 | 6                | 4           | 4           | 4                 | 6                | 4         | 4          |        |          |
| 41 Bore×Stroke                  |                                                                          |                           | mm              | 95 × 115               | 96 × 96          | 105 × 127 | 108 × 125  | 95 × 115          | 96 × 96          | 105 × 127   | 108 × 125   | 95 × 115          | 96 × 96          | 105 × 127 | 108 × 125  |        |          |
| 42 Emission STD.                |                                                                          |                           |                 | Stage II / Tier 2      |                  | Stage III |            | Stage II / Tier 2 |                  | Stage III   |             | Stage II / Tier 2 |                  | Stage III |            |        |          |
| 43 Displacement                 |                                                                          | cc                        | 3300            | 4169                   | 4410             | 4580      | 3300       | 4169              | 4410             | 4580        | 3300        | 4169              | 4410             | 4580      |            |        |          |
| 44 Fuel tank capacity           |                                                                          | L                         | 80              | 80                     | 80               | 80        | 80         | 80                | 80               | 80          | 80          | 80                | 80               | 80        | 80         |        |          |
| Power & transmission            |                                                                          | Transmissions             | 45 Manufacture  |                        |                  | CHINA     |            |                   |                  | CHINA       |             |                   |                  | CHINA     |            |        |          |
|                                 | 46 Type                                                                  |                           |                 | Powershift             |                  |           |            | Powershift        |                  |             |             | Powershift        |                  |           |            |        |          |
|                                 | 47 Stage                                                                 |                           | FWD / RVS       |                        | 2 / 1            |           |            |                   | 2 / 1            |             |             |                   | 2 / 1            |           |            |        |          |
| 48 Operating pressure           |                                                                          |                           | For attachments | Mpa                    | 18               |           |            |                   | 18               |             |             |                   | 18               |           |            |        |          |

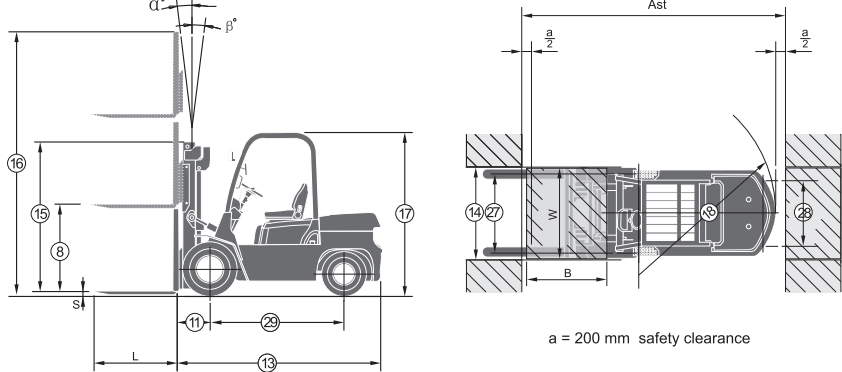
1. Special lifting height available ( 2-stage mast: 2.5m, 2.7m, 3.0m, 3.3m, 3.6m, 4m, 4.5m. 3-stage mast: 4.3m, 4.5m, 4.8m, 5m, 5.5m, 6m ) 2. Attachment available.  
3. The specifications in the table are for standard models only. For further information please contact us. 4. Specifications are subject to change without notice.  
Note: \* With suspension seat or cabin.

For more than 30 years, HANGCHA GROUP CO., LTD. Has played a leading role in the manufacture and production of Chinese forklift industry . We constantly strive to develop and incorporate the latest advances in forklift design and technology to ensure that our products provide an optimum level of performance , all the time. Our new generation R series of forklifts truly exemplifies this commitment to excellence.

LOAD CHART



DIMENSIONS



4.0 ~ 5.0t R series mast: ( pneumatic )

| Type                                   | Model       | Max.<br>Fork<br>height | Overall height |                  |      |          |      |                  |      |               | Free lift |                         |     |          | Front<br>Overhang |             | Tilt range |      | Capacity |      |      |      |      |      |    |  |
|----------------------------------------|-------------|------------------------|----------------|------------------|------|----------|------|------------------|------|---------------|-----------|-------------------------|-----|----------|-------------------|-------------|------------|------|----------|------|------|------|------|------|----|--|
|                                        |             |                        | Lowered        | Extended         |      |          |      | Without backrest |      | With backrest |           | Load capacity at 500 mm |     |          |                   |             |            |      |          |      |      |      |      |      |    |  |
|                                        |             |                        |                | Without backrest |      |          |      |                  |      |               |           | Single tire             |     |          |                   | Double tire |            |      |          |      |      |      |      |      |    |  |
|                                        |             |                        |                | 4 / 4.5t         | 5t   | 4 / 4.5t | 5t   | 4 / 4.5t         | 5t   | 4 / 4.5t      | 5t        | 4 / 4.5t                | 5t  | 4 / 4.5t | 5t                | 4 / 4.5t    | 5t         | deg  | deg      | 4t   | 4.5t | 5t   | 4t   | 4.5t | 5t |  |
| mm                                     | mm          | mm                     | mm             | mm               | mm   | mm       | mm   | mm               | mm   | mm            | mm        | mm                      | mm  | mm       | deg               | deg         | kg         | kg   | kg       | kg   | kg   | kg   |      |      |    |  |
| Wide view mast                         | R45/X50M250 | 2500                   | 1995           | 1995             | 3330 | 3330     | 3670 | 3865             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M270 | 2700                   | 2095           | 2095             | 3530 | 3530     | 3870 | 4065             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M300 | 3000                   | 2245           | 2245             | 3830 | 3830     | 4170 | 4365             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M330 | 3300                   | 2395           | 2395             | 4130 | 4130     | 4470 | 4665             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M350 | 3500                   | 2495           | 2495             | 4330 | 4330     | 4670 | 4865             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M360 | 3600                   | 2545           | 2545             | 4430 | 4430     | 4770 | 4965             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 4000 | 4500     | 5000 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M400 | 4000                   | 2795           | 2795             | 4830 | 4830     | 5170 | 5365             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 12         | 3800 | 4250     | 4750 | 4000 | 4500 | 5000 |      |    |  |
|                                        | R45/X50M430 | 4300                   | 2960           | 2960             | 5130 | 5130     | 5470 | 5665             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 6          | 3600 | 4000     | 4500 | 3800 | 4250 | 4750 |      |    |  |
|                                        | R45/X50M450 | 4500                   | 3070           | 3070             | 5330 | 5330     | 5670 | 5865             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 6          | 3400 | 3800     | 4250 | 3600 | 4050 | 4500 |      |    |  |
| Wide view<br>full free<br>2-stage mast | R45/X50M480 | 4800                   | 3235           | 3235             | 5630 | 5630     | 5970 | 6165             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 6          | 3000 | 3350     | 3750 | 3200 | 3600 | 4000 |      |    |  |
|                                        | R45/X50M500 | 5000                   | 3345           | 3345             | 5830 | 5830     | 6170 | 6365             | 160  | 160           | 160       | 160                     | 160 | 550      | 555               | 6           | 6          | 2800 | 3150     | 3500 | 3000 | 3400 | 3750 |      |    |  |
|                                        | R45/X50U250 | 2500                   | 1976           | 1976             | 3365 | 3365     | 3670 | 3865             | 1114 | 1114          | 809       | 610                     | 557 | 562      | 6                 | 12          | 4000       | 4500 | 5000     | 4000 | 4500 | 5000 |      |      |    |  |
|                                        | R45/X50U275 | 2750                   | 2100           | 2100             | 3615 | 3615     | 3920 | 4115             | 1238 | 1238          | 933       | 735                     | 557 | 562      | 6                 | 12          | 4000       | 4500 | 5000     | 4000 | 4500 | 5000 |      |      |    |  |
|                                        | R45/X50U300 | 3000                   | 2226           | 2226             | 3865 | 3865     | 4170 | 4365             | 1364 | 1364          | 1055      | 860                     | 557 | 562      | 6                 | 12          | 4000       | 4500 | 5000     | 4000 | 4500 | 5000 |      |      |    |  |
|                                        | R45/X50U330 | 3300                   | 2376           | 2376             | 4165 | 4165     | 4470 | 4665             | 1514 | 1514          | 1205      | 1010                    | 557 | 562      | 6                 | 12          | 4000       | 4500 | 5000     | 4000 | 4500 | 5000 |      |      |    |  |
|                                        | R45/X50U360 | 3600                   | 2526           | 2526             | 4465 | 4465     | 4770 | 4965             | 1664 | 1664          | 1359      | 1160                    | 557 | 562      | 6                 | 12          | 4000       | 4500 | 5000     | 4000 | 4500 | 5000 |      |      |    |  |
|                                        | R45/X50N400 | 4000                   | 2080           | 2080             | 4850 | 4860     | 5170 | 5365             | 1229 | 1222          | 912       | 715                     | 603 | 615      | 6                 | 12          | 3600       | 4000 | 4500     | 3800 | 4250 | 4750 |      |      |    |  |
|                                        | R45/X50N430 | 4300                   | 2180           | 2180             | 5155 | 5160     | 5470 | 5665             | 1329 | 1322          | 1012      | 815                     | 603 | 615      | 6                 | 6           | 3400       | 3800 | 4250     | 3600 | 4050 | 4500 |      |      |    |  |
| Wide view<br>full free<br>3-stage mast | R45/X50N450 | 4500                   | 2248           | 2248             | 5365 | 5370     | 5685 | 5880             | 1395 | 1390          | 1080      | 883                     | 603 | 615      | 6                 | 6           | 3200       | 3600 | 4000     | 3400 | 3850 | 4250 |      |      |    |  |
|                                        | R45/X50N480 | 4800                   | 2340           | 2340             | 5650 | 5660     | 5970 | 6170             | 1489 | 1482          | 1172      | 975                     | 603 | 615      | 6                 | 6           | 3000       | 3350 | 3750     | 3200 | 3600 | 4000 |      |      |    |  |
|                                        | R45/X50N500 | 5000                   | 2410           | 2410             | 5855 | 5860     | 6170 | 6370             | 1559 | 1552          | 1242      | 1045                    | 603 | 615      | 6                 | 6           | 2800       | 3150 | 3500     | 3000 | 3400 | 3750 |      |      |    |  |
|                                        | R45/X50N550 | 5500                   | 2575           | 2575             | 6355 | 6360     | 6670 | 6870             | 1724 | 1718          | 1408      | 1210                    | 603 | 615      | 3                 | 6           | 2250       | 2550 | 2850     | 2800 | 3100 | 3350 |      |      |    |  |
|                                        | R45/X50N600 | 6000                   | 2790           | 2790             | 6865 | 6870     | 7180 | 7380             | 1939 | 1932          | 1622      | 1425                    | 603 | 615      | 3                 | 6           | 1700       | 1950 | 2200     | 2600 | 2800 | 2950 |      |      |    |  |