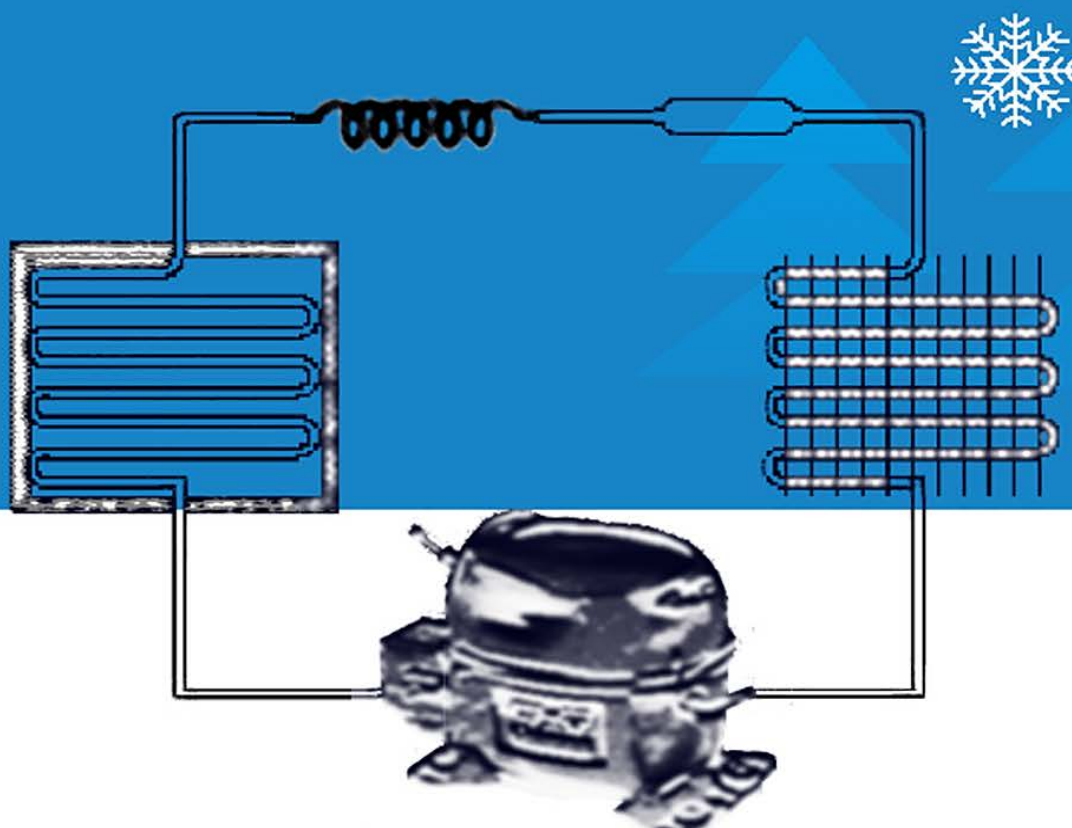


# REFRIGERATION COMPRESSOR



NINGBO HAOLIANG REFRIGERATION EQUIPMENT CO., LTD.  
HAOLIANG EXPORT & IMPORT COMPANY LIMITED

# L/MBP Commercial Series Compressor

**QD系列**  
**L/MBP**  
**R290**

## Technical Data of QD Series R290 Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      |      |       |      |      | 能 效 比<br>COP W/W |       | 输 入 功 率<br>Input Power<br>(W) |       | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------------------|-------|-------------------------------|-------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | -23.3℃           | -6.7℃ | -23.3℃                        | -6.7℃ |                      |
| DM           | MAMQD30UHP   | 3.00                        | 1/8                 | RSIR                  | F               | 105                                               | 95   | 120  | 135    | 155  | 180  | 210  | 235   | 260  | 295  | 1.25             | 1.75  | 108                           | 134   | 160                  |
|              | MAMQD35UHP   | 3.50                        | 1/6                 | RSIR                  | F               | 96                                                | 110  | 145  | 160    | 185  | 215  | 250  | 280   | 310  | 380  | 1.25             | 1.75  | 128                           | 160   | 160                  |
| DF           | MAFQD43UHP   | 4.50                        | 1/5                 | RSIR                  | F               | 120                                               | 140  | 180  | 200    | 230  | 270  | 315  | 350   | 385  | 435  | 1.30             | 1.80  | 153                           | 195   | 180                  |
|              | MAFQD52UHP   | 5.50                        | 1/5                 | RSIR                  | F               | 135                                               | 160  | 205  | 230    | 265  | 310  | 350  | 390   | 430  | 490  | 1.35             | 1.80  | 177                           | 216   | 180                  |
|              | MAFQD59UHP   | 6.20                        | 1/5                 | RSIR                  | F               | 158                                               | 190  | 248  | 275    | 310  | 370  | 425  | 475   | 525  | 590  | 1.38             | 1.80  | 212                           | 263   | 180                  |
|              | MAFQD65UHP   | 6.60                        | 1/4                 | RSIR                  | F               | 175                                               | 205  | 265  | 300    | 335  | 395  | 455  | 510   | 560  | 635  | 1.41             | 2.00  | 196                           | 255   | 220                  |
|              | MAFQD75UHC   | 7.60                        | 1/4+                | RSCR                  | F               | 205                                               | 235  | 310  | 345    | 390  | 430  | 530  | 590   | 655  | 740  | 1.55             | 2.05  | 222                           | 288   | 220                  |
|              | MALQD75UHP   | 8.30                        | 1/4+                | RSIR                  | F               | 223                                               | 256  | 338  | 375    | 425  | 468  | 575  | 635   | 710  | 805  | 1.42             | 1.90  | 264                           | 334   | 220                  |
| DL           | MALQD91UHM   | 9.30                        | 3/8                 | CSIR                  | F               | 240                                               | 285  | 365  | 410    | 470  | 550  | 630  | 695   | 765  | 870  | 1.45             | 2.00  | 273                           | 348   | 220                  |
|              | MALQD110UHW  | 10.00                       | 3/8+                | CSCR                  | F               | 270                                               | 320  | 408  | 460    | 525  | 616  | 705  | 780   | 856  | 975  | 1.60             | 2.05  | 288                           | 380   | 220                  |
|              | MAQQD110UHM  | 11.10                       | 3/8+                | CSIR                  | F               | 295                                               | 345  | 435  | 500    | 565  | 660  | 770  | 860   | 940  | 1050 | 1.43             | 1.85  | 350                           | 465   | 250                  |
| DQ           | MAQQD120UHW  | 12.80                       | 3/5                 | CSCR                  | F               | 340                                               | 405  | 505  | 580    | 660  | 766  | 890  | 1000  | 1090 | 1210 | 1.55             | 2.00  | 374                           | 500   | 250                  |
|              | MAQQD142UHW  | 14.20                       | 1/2                 | CSCR                  | F               | 388                                               | 460  | 575  | 660    | 750  | 866  | 1015 | 1150  | 1240 | 1380 | 1.45             | 1.95  | 455                           | 590   | 250                  |
|              | MAQQD158UHW  | 15.40                       | 1/2+                | CSCR                  | F               | 426                                               | 505  | 630  | 730    | 825  | 950  | 1120 | 1265  | 1360 | 1520 | 1.45             | 1.95  | 503                           | 649   | 250                  |
|              |              |                             |                     |                       |                 |                                                   |      |      |        |      |      |      |       |      |      |                  |       |                               |       |                      |

## Technical Data of QD Series R290 Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      |      |       |      |      | 能 效 比<br>COP W/W |       | 输 入 功 率<br>Input Power<br>(W) |       | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------------------|-------|-------------------------------|-------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | -23.3℃           | -6.7℃ | -23.3℃                        | -6.7℃ |                      |
| DF           | *MBFQD30UHM  | 3.00                        | 1/6                 | CSIR                  | F               | 90                                                | 108  | 142  | 158    | 180  | 210  | 245  | 270   | 300  | 335  | 1.24             | 1.7   | 127                           | 159   | 160                  |
|              | *MBFQD35UHM  | 3.50                        | 1/5                 | CSIR                  | F               | 106                                               | 127  | 168  | 188    | 216  | 250  | 290  | 320   | 350  | 400  | 1.24             | 1.7   | 152                           | 188   | 160                  |
|              | MBFQD43UHM   | 4.30                        | 1/4                 | CSIR                  | F               | 140                                               | 165  | 210  | 235    | 270  | 320  | 370  | 410   | 450  | 510  | 1.29             | 1.75  | 182                           | 234   | 180                  |
|              | MBFQD52UHM   | 5.50                        | 1/4+                | CSIR                  | F               | 155                                               | 185  | 240  | 265    | 305  | 360  | 410  | 460   | 510  | 580  | 1.29             | 1.75  | 205                           | 263   | 180                  |
| DL           | MBLQD59UHM   | 6.00                        | 1/4+                | CSIR                  | F               | 175                                               | 205  | 265  | 295    | 340  | 400  | 460  | 505   | 555  | 635  | 1.44             | 1.95  | 205                           | 259   | 220                  |
|              | MBLQD65UHM   | 6.80                        | 1/3                 | CSIR                  | F               | 205                                               | 240  | 305  | 340    | 390  | 460  | 540  | 600   | 660  | 750  | 1.45             | 2.00  | 234                           | 300   | 220                  |
|              | MBLQD75UHM   | 7.60                        | 1/3                 | CSIR                  | F               | 220                                               | 260  | 330  | 370    | 425  | 460  | 585  | 650   | 715  | 810  | 1.50             | 2.05  | 247                           | 317   | 250                  |
| DQ           | MBQQD91UHM   | 9.30                        | 3/8                 | CSIR                  | F               | 275                                               | 320  | 415  | 460    | 530  | 635  | 720  | 800   | 880  | 1000 | 1.45             | 2.00  | 317                           | 400   | 250                  |
|              | MBQQD110UHM  | 11.10                       | 1/2                 | CSIR                  | F               | 330                                               | 385  | 495  | 550    | 630  | 760  | 865  | 960   | 1055 | 1200 | 1.45             | 2.00  | 379                           | 480   | 250                  |
|              | *MBQQD120UHW | 12.10                       | 1/2+                | CSCR                  | F               | 360                                               | 420  | 540  | 600    | 685  | 830  | 945  | 1050  | 1150 | 1300 | 1.6              | 2.20  | 375                           | 477   | 250                  |

## Technical Data of QD Series R290a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      |      |       |      |      | 能 效 比<br>COP W/W |       | 输 入 功 率<br>Input Power<br>(W) |       | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------------------|-------|-------------------------------|-------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | -23.3℃           | -6.7℃ | -23.3℃                        | -6.7℃ |                      |
| DF           | *MDFQD30UHM  | 3.00                        | 1/6                 | CSIR                  | F               | 95                                                | 110  | 145  | 160    | 185  | 215  | 250  | 280   | 310  | 350  | 1.25             | 1.75  | 128                           | 160   | 160                  |
|              | *MDFQD35UHM  | 3.50                        | 1/5                 | CSIR                  | F               | 110                                               | 130  | 170  | 190    | 220  | 255  | 300  | 330   | 360  | 410  | 1.25             | 1.75  | 152                           | 188   | 160                  |
|              | MDFQD43UHM   | 4.30                        | 1/4                 | CSIR                  | F               | 145                                               | 170  | 215  | 240    | 275  | 325  | 380  | 420   | 460  | 525  | 1.30             | 1.80  | 185                           | 233   | 180                  |
|              | MDFQD52UHM   | 5.20                        | 1/4+                | CSIR                  | F               | 160                                               | 190  | 245  | 270    | 310  | 365  | 420  | 470   | 515  | 590  | 1.30             | 1.80  | 208                           | 261   | 180                  |
| DL           | MDLQD59UHM   | 5.90                        | 1/4+                | CSIR                  | F               | 180                                               | 210  | 270  | 300    | 345  | 405  | 470  | 520   | 570  | 650  | 1.45             | 2.00  | 207                           | 260   | 220                  |
|              | MDLQD65UHM   | 6.60                        | 1/3                 | CSIR                  | F               | 205                                               | 240  | 305  | 340    | 390  | 460  | 540  | 600   | 660  | 750  | 1.45             | 2.00  | 234                           | 300   | 220                  |
|              | MDLQD75UHM   | 7.60                        | 1/3                 | CSIR                  | F               | 220                                               | 260  | 330  | 370    | 425  | 460  | 585  | 650   | 715  | 810  | 1.50             | 2.05  | 247                           | 317   | 250                  |
|              | MDQQD91UHM   | 9.30                        | 3/8                 | CSCR                  | F               | 275                                               | 320  | 415  | 460    | 530  | 635  | 720  | 800   | 880  | 1000 | 1.45             | 2.00  | 317                           | 400   | 250                  |
| DQ           | MDQQD110UHW  | 11.10                       | 1/2                 | CSCR                  | F               | 330                                               | 385  | 495  | 550    | 630  | 760  | 865  | 960   | 1055 | 1200 | 1.45             | 2.00  | 379                           | 480   | 250                  |
|              | *MDQQD120UHW | 12.10                       | 1/2+                | CSCR                  | F               | 360                                               | 420  | 540  | 600    | 685  | 830  | 945  | 1050  | 1150 | 1300 | 1.60             | 2.20  | 375                           | 477   | 250                  |

☀ Adopt the LST starting. For HST starting, please contact to customize. \* are products under development.

# M/HBP Commercial Series Compressor

**QD系列**  
**M/HBP**  
**R290**

## Technical Data of QD Series R290 Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DM           | *HAMQD30UHM  | 3.00                        | 1/8                 | CSIR                  | F               | 150                                               | 170  | 200  | 230   | 250  | 280  | 350  | 390  | 430  | 510  | 1.7              | 2.5  | 135                           | 156  | 160                  |
|              | *HAMQD35UHM  | 3.80                        | 1/6                 | CSIR                  | F               | 170                                               | 195  | 225  | 270   | 300  | 350  | 410  | 460  | 505  | 600  | 1.7              | 2.5  | 159                           | 184  | 160                  |
| DF           | HAFQD43UHM   | 4.30                        | 1/6+                | CSIR                  | F               | 210                                               | 240  | 280  | 335   | 370  | 430  | 508  | 570  | 625  | 745  | 1.8              | 2.8  | 186                           | 228  | 180                  |
|              | HAFQD52UHM   | 5.50                        | 1/5                 | CSIR                  | F               | 253                                               | 288  | 333  | 380   | 410  | 490  | 645  | 710  | 780  | 920  | 1.8              | 2.8  | 206                           | 254  | 180                  |
| DL           | HALQD59UHM   | 6.20                        | 1/5+                | CSIR                  | F               | 275                                               | 310  | 340  | 420   | 455  | 530  | 700  | 800  | 860  | 1000 | 1.8              | 2.8  | 233                           | 286  | 220                  |
|              | HALQD65UHM   | 6.80                        | 1/4+                | CSIR                  | F               | 295                                               | 330  | 380  | 460   | 500  | 595  | 790  | 880  | 970  | 1140 | 1.8              | 2.8  | 256                           | 314  | 220                  |
|              | HALQD75UHM   | 7.60                        | 1/4+                | CSIR                  | F               | 330                                               | 370  | 430  | 510   | 565  | 665  | 890  | 1000 | 1080 | 1280 | 1.8              | 2.8  | 283                           | 357  | 220                  |
| DQ           | HAQQD91UHM   | 9.30                        | 3/8                 | CSIR                  | F               | 428                                               | 506  | 585  | 670   | 707  | 865  | 1190 | 1250 | 1370 | 1620 | 1.8              | 2.8  | 372                           | 446  | 250                  |
|              | HAQQD110UHM  | 11.10                       | 5/8                 | CSIR                  | F               | 515                                               | 580  | 677  | 780   | 855  | 1015 | 1410 | 1500 | 1660 | 1945 | 1.8              | 2.8  | 433                           | 643  | 250                  |
|              | HAQQD120UHW  | 12.10                       | 5/8+                | CSIR                  | F               | 580                                               | 656  | 760  | 880   | 960  | 1135 | 1588 | 1700 | 1860 | 2190 | 1.9              | 2.9  | 463                           | 586  | 250                  |
|              | *HAQQD128UHW | 12.80                       | 3/5                 | CSR                   | F               | 630                                               | 730  | 860  | 955   | 1040 | 1160 | 1600 | 1780 | 1960 | 2310 | 1.8              | 2.8  | 531                           | 635  | 250                  |
|              | *HAQQD142UHW | 14.20                       | 3/5+                | CSR                   | F               | 650                                               | 755  | 870  | 970   | 1080 | 1166 | 1735 | 1900 | 2040 | 2450 | 1.8              | 2.8  | 550                           | 678  | 250                  |
|              | *HAQQD158UHW | 15.40                       | 5/8                 | CSR                   | F               | 735                                               | 835  | 980  | 1080  | 1200 | 1310 | 1930 | 2130 | 2365 | 2790 | 1.8              | 2.8  | 600                           | 760  | 250                  |

## Technical Data of QD Series R290 Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DF           | *HBFQD30UHM  | 3.00                        | 1/6                 | CSIR                  | F               | 180                                               | 200  | 240  | 275   | 300  | 335  | 420  | 465  | 515  | 610  | 1.7              | 2.5  | 212                           | 186  | 160                  |
|              | HBFQD35UHM   | 3.50                        | 1/5                 | CSIR                  | F               | 205                                               | 230  | 270  | 320   | 360  | 420  | 490  | 550  | 606  | 720  | 1.7              | 2.5  | 188                           | 220  | 160                  |
|              | HBFQD43UHM   | 4.90                        | 1/4                 | CSIR                  | F               | 300                                               | 340  | 390  | 445   | 485  | 570  | 750  | 840  | 920  | 1080 | 1.8              | 2.8  | 247                           | 300  | 180                  |
|              | HBFQD52UHM   | 5.50                        | 1/4+                | CSIR                  | F               | 330                                               | 375  | 430  | 490   | 535  | 625  | 825  | 925  | 1010 | 1180 | 1.8              | 2.8  | 272                           | 330  | 180                  |
| DL           | HBLQD59UHM   | 6.00                        | 1/4+                | CSIR                  | F               | 360                                               | 425  | 490  | 540   | 590  | 675  | 920  | 1000 | 1140 | 1370 | 1.9              | 2.9  | 284                           | 345  | 220                  |
|              | HBLQD65UHM   | 6.80                        | 1/3                 | CSIR                  | F               | 400                                               | 458  | 520  | 610   | 670  | 795  | 1050 | 1170 | 1290 | 1500 | 1.9              | 2.9  | 321                           | 403  | 220                  |
|              | HBLQD75UHM   | 7.60                        | 1/3+                | CSIR                  | F               | 440                                               | 495  | 570  | 680   | 745  | 890  | 1180 | 1320 | 1450 | 1700 | 1.85             | 2.85 | 368                           | 463  | 220                  |
| DQ           | HBBQD91UHM   | 9.30                        | 3/8                 | CSIR                  | F               | 485                                               | 575  | 666  | 760   | 800  | 980  | 1350 | 1500 | 1650 | 1950 | 1.7              | 2.5  | 447                           | 600  | 250                  |
|              | HBBQD110UHM  | 11.10                       | 1/2                 | CSIR                  | F               | 600                                               | 675  | 780  | 910   | 1000 | 1175 | 1560 | 1740 | 1920 | 2000 | 1.7              | 2.5  | 535                           | 696  | 250                  |
|              | *HBBQD120UHW | 12.10                       | 1/2+                | CSIR                  | F               | 660                                               | 745  | 860  | 1000  | 1090 | 1300 | 1820 | 2040 | 2255 | 2650 | 1.7              | 2.5  | 588                           | 816  | 250                  |

## Technical Data of QD Series R290a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DF           | *HDFQD30UHM  | 3.00                        | 1/6                 | CSIR                  | F               | 180                                               | 200  | 240  | 275   | 300  | 335  | 420  | 465  | 515  | 610  | 1.7              | 2.5  | 212                           | 186  | 160                  |
|              | HDFQD35UHM   | 3.50                        | 1/5                 | CSIR                  | F               | 205                                               | 230  | 270  | 320   | 360  | 420  | 490  | 550  | 606  | 720  | 1.7              | 2.5  | 188                           | 220  | 160                  |
|              | HDFQD43UHM   | 4.90                        | 1/4                 | CSIR                  | F               | 300                                               | 340  | 390  | 445   | 485  | 570  | 750  | 840  | 920  | 1080 | 1.8              | 2.8  | 247                           | 300  | 180                  |
|              | HDFQD52UHM   | 5.50                        | 1/4+                | CSIR                  | F               | 330                                               | 375  | 430  | 490   | 535  | 625  | 825  | 925  | 1010 | 1180 | 1.8              | 2.8  | 272                           | 330  | 180                  |
| DL           | HDLQD59UHM   | 6.00                        | 1/4+                | CSIR                  | F               | 360                                               | 425  | 490  | 540   | 590  | 675  | 920  | 1000 | 1140 | 1370 | 1.9              | 2.9  | 284                           | 345  | 220                  |
|              | HDLQD65UHM   | 6.80                        | 1/3                 | CSIR                  | F               | 400                                               | 458  | 520  | 610   | 670  | 795  | 1050 | 1170 | 1290 | 1500 | 1.9              | 2.9  | 321                           | 403  | 220                  |
|              | HDLQD75UHW   | 7.60                        | 1/3+                | CSIR                  | F               | 440                                               | 495  | 570  | 680   | 745  | 890  | 1180 | 1320 | 1450 | 1700 | 1.85             | 2.85 | 368                           | 463  | 220                  |
| DQ           | TDQQD91UHM   | 9.30                        | 3/8                 | CSIR                  | F               | 485                                               | 575  | 666  | 760   | 800  | 980  | 1350 | 1500 | 1650 | 1950 | 1.7              | 2.5  | 447                           | 600  | 250                  |
|              | *HDQQD110UHW | 11.10                       | 1/2                 | CSIR                  | F               | 600                                               | 675  | 780  | 910   | 1000 | 1175 | 1560 | 1740 | 1920 | 2000 | 1.7              | 2.5  | 535                           | 696  | 250                  |
|              | *HDQQD120UHW | 12.10                       | 1/2+                | CSIR                  | F               | 660                                               | 745  | 860  | 1000  | 1090 | 1300 | 1820 | 2040 | 2255 | 2650 | 1.7              | 2.5  | 588                           | 816  | 250                  |

## LBP Commercial Series Compressor

**QD系列**  
**LBP**  
**R134a**

### Technical Data of QD Series R134a Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130°F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DW           | LAWQD25HHP   | 2.5                         | 1/12                | RSIR                  | S               | 32                                                | 45   | 58   | 65     | 85   | 105  | 0.85             | 76                            | 140                  |
|              | LAWQD30HHP   | 3.0                         | 1/10                | RSIR                  | S               | 38                                                | 53   | 68   | 76     | 98   | 120  | 1                | 76                            | 140                  |
|              | LAWQD35HHP   | 3.5                         | 1/10+               | RSIR                  | S               | 45                                                | 60   | 79   | 88     | 115  | 140  | 1                | 88                            | 140                  |
| DM           | LAMQD43HHP   | 4.3                         | 1/7                 | RSIR                  | S               | 57                                                | 80   | 103  | 115    | 150  | 185  | 1.1              | 105                           | 160                  |
|              | LAMQD52HHP   | 4.9                         | 1/7                 | RSIR                  | S               | 66                                                | 90   | 116  | 130    | 170  | 208  | 1.18             | 110                           | 160                  |
| DF           | LAFQD59HHP   | 5.5                         | 1/6                 | RSIR                  | S               | 75                                                | 105  | 135  | 150    | 195  | 240  | 1.3              | 115                           | 180                  |
|              | LAFQD65HHP   | 6.2                         | 1/6+                | RSIR                  | S               | 85                                                | 118  | 150  | 168    | 218  | 268  | 1.3              | 129                           | 180                  |
|              | LAFQD75HHP   | 6.8                         | 1/5                 | RSIR                  | S               | 92                                                | 130  | 167  | 185    | 240  | 312  | 1.3              | 142                           | 180                  |
|              | LAFQD91HHP   | 8.3                         | 1/5+                | RSIR                  | S/F             | 105                                               | 146  | 190  | 210    | 270  | 335  | 1.3              | 162                           | 180                  |

### Technical Data of QD Series R134a Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130°F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DW           | LBWQD25HHP   | 2.5                         | 1/8                 | RSIR                  | S               | 38                                                | 53   | 68   | 76     | 99   | 122  | 0.8              | 95                            | 140                  |
|              | LBWQD30HHP   | 3.0                         | 1/8                 | RSIR                  | S               | 45                                                | 63   | 80   | 90     | 115  | 145  | 0.9              | 100                           | 140                  |
|              | LBWQD35HHP   | 3.5                         | 1/7                 | RSIR                  | S               | 51                                                | 72   | 93   | 103    | 133  | 165  | 1                | 103                           | 140                  |
| DF           | LBFQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 68                                                | 95   | 122  | 136    | 177  | 220  | 1.05             | 130                           | 180                  |
|              | LBFQD52HHP   | 4.9                         | 1/5                 | RSIR                  | S               | 80                                                | 112  | 145  | 160    | 210  | 255  | 1.1              | 145                           | 180                  |
|              | LBFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 93                                                | 130  | 168  | 186    | 240  | 300  | 1.2              | 155                           | 180                  |
|              | LBFQD65HHP   | 6.2                         | 1/5+                | RSIR                  | S               | 105                                               | 145  | 188  | 208    | 270  | 330  | 1.2              | 173                           | 180                  |

### Technical Data of QD Series R134a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130°F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DW           | LDWQD25HHP   | 2.5                         | 1/8                 | RSIR                  | S               | 38                                                | 53   | 68   | 77     | 100  | 125  | 0.86             | 90                            | 140                  |
|              | LDWQD30HHP   | 3.0                         | 1/8                 | RSIR                  | S               | 45                                                | 63   | 80   | 90     | 115  | 145  | 0.95             | 95                            | 140                  |
| DF           | LDFQD35HHP   | 3.5                         | 1/7                 | RSIR                  | S               | 53                                                | 75   | 95   | 105    | 135  | 170  | 1.06             | 99                            | 180                  |
|              | LDFQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 70                                                | 97   | 123  | 138    | 180  | 225  | 1.12             | 123                           | 180                  |
|              | LDFQD52HHP   | 4.9                         | 1/5                 | RSIR                  | S               | 80                                                | 112  | 145  | 160    | 210  | 255  | 1.15             | 139                           | 180                  |
|              | LDFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 94                                                | 130  | 170  | 188    | 243  | 305  | 1.27             | 148                           | 180                  |
|              | LDFQD65HHP   | 6.2                         | 1/5+                | RSIR                  | S               | 105                                               | 146  | 190  | 210    | 272  | 333  | 1.26             | 167                           | 180                  |

## L/MBP Commercial Series Compressor

**QD系列**  
**L/MBP**  
**R134a**

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |          |          |            |          |          |          |           |         |        | 能 效 比<br>COP W/W |           | 输 入 功 率<br>Input Power<br>(W) |           | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|----------|----------|------------|----------|----------|----------|-----------|---------|--------|------------------|-----------|-------------------------------|-----------|----------------------|
|              |              |                             |                     |                       |                 | -35<br>℃                                          | -30<br>℃ | -25<br>℃ | -23.3<br>℃ | -20<br>℃ | -15<br>℃ | -10<br>℃ | -6.7<br>℃ | -5<br>℃ | 0<br>℃ | -23.3<br>℃       | -6.7<br>℃ | -23.3<br>℃                    | -6.7<br>℃ |                      |
| DW           | MAWQD25HHP   | 2.5                         | 1/12                | RSIR                  | S               | 30                                                | 40       | 52       | 58         | 75       | 93       | 126      | 140       | 156     | 175    | 0.85             | 1.90      | 68                            | 74        | 140                  |
|              | MAWQD30HHP   | 3.0                         | 1/10                | RSIR                  | S               | 35                                                | 49       | 63       | 70         | 90       | 112      | 152      | 170       | 188     | 210    | 0.85             | 1.90      | 82                            | 89        | 140                  |
|              | MAWQD35HHP   | 3.5                         | 1/8                 | RSIR                  | S               | 40                                                | 56       | 72       | 80         | 105      | 128      | 176      | 220       | 242     | 275    | 0.90             | 1.98      | 89                            | 111       | 140                  |
| DM           | MAMQD43HHP   | 4.3                         | 1/7                 | RSIR                  | S               | 47                                                | 65       | 83       | 110        | 121      | 149      | 216      | 270       | 297     | 338    | 0.95             | 2.01      | 116                           | 134       | 160                  |
|              | MAMQD52HHP   | 5.2                         | 1/7+                | RSIR                  | S               | 66                                                | 90       | 116      | 130        | 166      | 205      | 263      | 330       | 362     | 412    | 1.15             | 2.01      | 113                           | 164       | 160                  |
| DF           | MAFQD52HHP   | 5.5                         | 1/7                 | RSIR                  | S               | 70                                                | 95       | 123      | 136        | 177      | 218      | 280      | 350       | 385     | 438    | 1.15             | 2.01      | 118                           | 174       | 180                  |
|              | MAFQD59HHP   | 6.2                         | 1/6                 | RSIR                  | S               | 85                                                | 115      | 149      | 165        | 215      | 265      | 312      | 390       | 430     | 488    | 1.16             | 2.01      | 142                           | 194       | 180                  |
|              | MAFQD65HHP   | 6.6                         | 1/5                 | RSIR                  | S               | 95                                                | 129      | 167      | 185        | 241      | 297      | 350      | 430       | 473     | 538    | 1.18             | 2.02      | 157                           | 193       | 180                  |
|              | MAFQD75HHP   | 7.6                         | 1/5+                | RSIR                  | S/F             | 105                                               | 147      | 190      | 210        | 273      | 337      | 387      | 495       | 545     | 618    | 1.20             | 2.05      | 175                           | 241       | 180                  |
|              | MAFQD91HHP   | 8.8                         | 1/5+                | RSIR                  | S/F             | 112                                               | 155      | 200      | 230        | 285      | 350      | 405      | 520       | 570     | 642    | 1.22             | 2.06      | 189                           | 252       | 180                  |
| DL           | MALQD75HHR   | 7.2                         | 1/5+                | RSIR                  | S/F             | 100                                               | 140      | 160      | 200        | 260      | 320      | 366      | 470       | 518     | 588    | 1.30             | 2.06      | 154                           | 228       | 220                  |
|              | MALQD75HGR   | 7.6                         | 1/5+                | RSIR                  | S/F             | 105                                               | 147      | 190      | 220        | 273      | 337      | 387      | 495       | 545     | 618    | 1.36             | 2.11      | 162                           | 235       | 220                  |
|              | MALQD91HHR   | 8.8                         | 1/5+                | RSIR                  | S/F             | 115                                               | 160      | 207      | 245        | 300      | 368      | 425      | 530       | 583     | 655    | 1.37             | 2.12      | 179                           | 250       | 220                  |
|              | MALQD91HGR   | 9.3                         | 1/4-                | RSIR                  | S/F             | 127                                               | 176      | 228      | 270        | 330      | 405      | 468      | 580       | 640     | 720    | 1.41             | 2.15      | 191                           | 270       | 220                  |
|              | MALQD110HHR  | 10.0                        | 1/4                 | RSIR                  | F               | 136                                               | 190      | 245      | 300        | 375      | 460      | 470      | 650       | 718     | 820    | 1.37             | 2.12      | 219                           | 307       | 220                  |
|              | MALQD110HGR  | 11.1                        | 1/4+                | RSIR                  | F               | 150                                               | 210      | 270      | 330        | 410      | 510      | 520      | 725       | 790     | 905    | 1.41             | 2.15      | 234                           | 337       | 220                  |
| DQ           | MAQQD128HHM  | 12.3                        | 3/8                 | RSIR                  | F               | 180                                               | 252      | 324      | 360        | 468      | 576      | 740      | 925       | 1018    | 1156   | 1.31             | 2.00      | 275                           | 463       | 250                  |
|              | MAQQD142HHM  | 13.5                        | 3/8+                | CSIR                  | F               | 195                                               | 273      | 351      | 390        | 507      | 624      | 800      | 1000      | 1100    | 1250   | 1.30             | 2.00      | 300                           | 500       | 250                  |
|              | MAQQD158HHM  | 15.3                        | 3/8+                | CSIR                  | F               | 215                                               | 300      | 387      | 430        | 560      | 690      | 890      | 1120      | 1230    | 1400   | 1.30             | 2.00      | 331                           | 560       | 250                  |
|              | MAQQD168HHM  | 16.3                        | 1/2                 | CSIR                  | F               | 230                                               | 322      | 415      | 460        | 598      | 736      | 976      | 1220      | 1340    | 1530   | 1.30             | 2.00      | 354                           | 610       | 250                  |

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |          |          |            |          |          |          |           |         |        | 能 效 比<br>COP W/W |           | 输 入 功 率<br>Input Power<br>(W) |           | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|----------|----------|------------|----------|----------|----------|-----------|---------|--------|------------------|-----------|-------------------------------|-----------|----------------------|
|              |              |                             |                     |                       |                 | -35<br>℃                                          | -30<br>℃ | -25<br>℃ | -23.3<br>℃ | -20<br>℃ | -15<br>℃ | -10<br>℃ | -6.7<br>℃ | -5<br>℃ | 0<br>℃ | -23.3<br>℃       | -6.7<br>℃ | -23.3<br>℃                    | -6.7<br>℃ |                      |
| DW           | MBWQD25HHP   | 2.5                         | 1/10                | RSIR                  | S               | 35                                                | 48       | 62       | 70         | 90       | 111      | 143      | 166       | 183     | 208    | 0.83             | 1.85      | 84                            | 90        | 140                  |
|              | MBWQD30HHP   | 3.0                         | 1/8                 | RSIR                  | S               | 41                                                | 58       | 74       | 83         | 106      | 132      | 170      | 200       | 220     | 250    | 0.85             | 1.90      | 97                            | 106       | 140                  |
|              | MBWQD35HHP   | 3.5                         | 1/7                 | RSIR                  | S               | 47                                                | 66       | 85       | 93         | 124      | 151      | 220      | 260       | 286     | 325    | 0.90             | 1.98      | 103                           | 131       | 140                  |
| DF           | MBFQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 65                                                | 90       | 117      | 130        | 170      | 210      | 270      | 320       | 350     | 400    | 1.18             | 2.05      | 110                           | 156       | 180                  |
|              | MBFQD52HHP   | 4.9                         | 1/6                 | RSIR                  | S               | 75                                                | 101      | 130      | 150        | 188      | 232      | 328      | 390       | 428     | 488    | 1.20             | 2.08      | 125                           | 188       | 180                  |
|              | MBFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 87                                                | 118      | 153      | 170        | 220      | 272      | 340      | 460       | 507     | 576    | 1.20             | 2.08      | 142                           | 221       | 180                  |
|              | MBFQD65HHR   | 6.2                         | 1/4                 | RSIR                  | S               | 102                                               | 138      | 180      | 200        | 258      | 320      | 400      | 520       | 573     | 650    | 1.21             | 2.10      | 165                           | 248       | 180                  |
|              | MBFQD75HHR   | 7.2                         | 1/4                 | RSIR                  | S               | 112                                               | 152      | 198      | 220        | 286      | 353      | 440      | 555       | 606     | 690    | 1.21             | 2.10      | 182                           | 264       | 180                  |
| DL           | MBLQD65HHM   | 6.2                         | 1/4                 | CSIR                  | S               | 112                                               | 152      | 197      | 218        | 284      | 350      | 435      | 540       | 560     | 640    | 1.32             | 2.10      | 165                           | 257       | 220                  |
|              | MBLQD75HHM   | 7.2                         | 1/4                 | CSIR                  | S/F             | 124                                               | 173      | 207      | 230        | 322      | 398      | 445      | 595       | 580     | 655    | 1.35             | 2.10      | 170                           | 243       | 220                  |
|              | MBLQD91HHM   | 8.8                         | 1/4                 | CSIR                  | S/F             | 136                                               | 189      | 244      | 270        | 354      | 434      | 545      | 640       | 700     | 800    | 1.37             | 2.12      | 197                           | 302       | 220                  |
|              | MBLQD110HHM  | 10.6                        | 1/3                 | CSIR                  | F               | 177                                               | 248      | 319      | 348        | 484      | 602      | 650      | 770       | 845     | 960    | 1.41             | 2.12      | 238                           | 357       | 220                  |
| DQ           | MBQQD128HHM  | 12.3                        | 3/8+                | CSIR                  | F               | 212                                               | 297      | 382      | 425        | 552      | 680      | 925      | 1090      | 1200    | 1360   | 1.31             | 2.00      | 324                           | 546       | 250                  |
|              | MBQQD142HHM  | 13.6                        | 1/2                 | CSIR                  | F               | 230                                               | 322      | 414      | 460        | 598      | 736      | 1000     | 1180      | 1300    | 1480   | 1.30             | 2.00      | 354                           | 590       | 250                  |
|              | MBQQD158HHW  | 15.3                        | 1/2                 | CSCR                  | F               | 252                                               | 353      | 455      | 505        | 656      | 808      | 1055     | 1320      | 1450    | 1650   | 1.30             | 2.00      | 388                           | 660       | 250                  |

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |          |          |            |          |          |          |           |         |        | 能 效 比<br>COP W/W |           | 输 入 功 率<br>Input Power<br>(W) |           | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|----------|----------|------------|----------|----------|----------|-----------|---------|--------|------------------|-----------|-------------------------------|-----------|----------------------|
|              |              |                             |                     |                       |                 | -35<br>℃                                          | -30<br>℃ | -25<br>℃ | -23.3<br>℃ | -20<br>℃ | -15<br>℃ | -10<br>℃ | -6.7<br>℃ | -5<br>℃ | 0<br>℃ | -23.3<br>℃       | -6.7<br>℃ | -23.3<br>℃                    | -6.7<br>℃ |                      |
| DW           | MDWQD25HHY   | 2.5                         | 1/10                | CSIR                  | S               | 35                                                | 49       | 62       | 70         | 92       | 112      | 143      | 168       | 183     | 210    | 0.85             | 1.90      | 82                            | 88        | 140                  |
|              | MDWQD30HHY   | 3.0                         | 1/8                 | CSIR                  | S               | 42                                                | 59       | 75       | 84         | 110      | 135      | 172      | 202       | 220     | 253    | 0.86             | 1.95      | 98                            | 104       | 140                  |
| DF           | MDFQD35HHY   | 3.5                         | 1/7                 | CSIR                  | S               | 48                                                | 67       | 86       | 96         | 125      | 155      | 225      | 263       | 290     | 330    | 0.92             | 1.98      | 104                           | 133       | 180                  |
|              | MDFQD43HHY   | 4.3                         | 1/6                 | CSIR                  | S               | 65                                                | 90       | 117      | 130        | 170      | 210      | 270      | 320       | 350     | 400    | 1.18             | 2.05      | 110                           | 156       | 180                  |
|              | MDFQD52HHY   | 4.9                         | 1/6                 | CSIR                  | S               | 75                                                | 101      | 130      | 150        | 188      | 232      | 328      | 390       | 428     | 488    | 1.20             | 2.08      | 125                           | 188       | 180                  |
|              | MDFQD59HHY   | 5.5                         | 1/5                 | CSIR                  | S               | 87                                                | 118      | 153      | 170        | 220      | 272      | 340      | 460       | 507     | 576    | 1.20             | 2.08      | 142                           | 221       | 180                  |
|              | MDFQD65HHY   | 6.2                         | 1/4                 | CSIR                  | S               | 102                                               | 138      | 180      | 200        | 258      | 320      | 400      | 520       | 573     | 650    | 1.21             | 2.10      | 165                           | 248       | 180                  |
| DL           | MDLQD65HHM   | 6.2                         | 1/4                 | CSIR                  | S               | 112                                               | 152      | 197      | 218        | 284      | 350      | 435      | 510       | 560     | 640    | 1.31             | 2.10      | 166                           | 264       | 220                  |
|              | MDLQD75HHM   | 7.2                         | 1/4                 | CSIR                  | S/F             | 124                                               | 173      | 207      | 230        | 322      | 398      | 445      | 525       | 580     | 655    | 1.32             | 2.10      | 175                           | 257       | 220                  |
|              | MDLQD91HHM   | 8.8                         | 1/4                 | CSIR                  | S/F             | 136                                               | 189      | 244      | 270        | 354      | 434      | 545      | 640       | 700     | 800    | 1.35             | 2.10      | 200                           | 243       | 220                  |
|              | MDLQD110HHM  | 10.6                        | 1/4                 | CSIR                  | F               | 177                                               | 248      | 319      | 348        | 484      | 602      | 650      | 770       | 845     | 960    | 1.41             | 2.12      | 247                           | 363       | 220                  |
|              | MDQQD128HHM  | 12.3                        | 3/8                 | CSIR                  | F               | 212                                               | 297      | 382      | 425        | 552      | 680      | 925      | 1090      | 1200    | 1360   | 1.31             | 2.00      | 324                           | 545       | 250                  |
| DQ           | *MDQQD142HHW | 13.6                        | 3/8+                | CSCR                  | F               | 230                                               | 322      | 414      | 460        | 598      | 736      | 1000     | 1180      | 1300    | 1480   | 1.30             | 2.00      | 354                           | 590       | 250                  |
|              | *MDQQD158HHW | 15.3                        | 1/2                 | CSCR                  | F               | 252                                               | 353      | 455      | 505        | 656      | 808      | 1055     | 1320      | 1450    | 1650   | 1.30             | 2.00      | 388                           | 660       | 250                  |

## M/HBP Commercial Series Compressor

**QD系列**  
**M/HBP**  
**R134a**

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DW           | HAWQD30HHP   | 3.0                         | 1/8                 | RSIR                  | S               | 90                                                | 120  | 150  | 190   | 210  | 225  | 273  | 300  | 345  | 420  | 1.90             | 2.18 | 100                           | 138  | 160                  |
|              | HAWQD35HHP   | 3.5                         | 1/7                 | RSIR                  | S               | 105                                               | 140  | 175  | 220   | 245  | 263  | 318  | 350  | 403  | 490  | 1.98             | 2.31 | 111                           | 152  | 160                  |
| DM           | HAMQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 130                                               | 172  | 215  | 270   | 300  | 323  | 391  | 430  | 495  | 600  | 2.01             | 2.36 | 134                           | 182  | 160                  |
| DF           | HAFQD52HHP   | 4.9                         | 1/6+                | RSIR                  | S               | 145                                               | 196  | 245  | 310   | 343  | 368  | 446  | 490  | 563  | 686  | 2.01             | 2.37 | 154                           | 207  | 180                  |
|              | HAFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 165                                               | 220  | 275  | 345   | 385  | 413  | 500  | 550  | 633  | 770  | 2.00             | 2.35 | 173                           | 234  | 180                  |
|              | HAFQD65HHR   | 6.2                         | 1/5+                | RSIR                  | S               | 190                                               | 252  | 315  | 390   | 441  | 473  | 573  | 630  | 725  | 882  | 2.05             | 2.38 | 190                           | 265  | 180                  |
|              | HAFQD75HHR   | 7.2                         | 1/4                 | RSIR                  | S/F             | 200                                               | 270  | 340  | 420   | 475  | 505  | 600  | 660  | 760  | 925  | 2.05             | 2.38 | 205                           | 277  | 180                  |
| DL           | HALQD75HHR   | 7.2                         | 1/4                 | RSIR                  | S/F             | 205                                               | 276  | 345  | 430   | 483  | 518  | 628  | 690  | 795  | 965  | 2.10             | 2.51 | 205                           | 275  | 220                  |
|              | HALQD91HHR   | 8.8                         | 1/4+                | RSIR                  | S/F             | 250                                               | 332  | 415  | 530   | 580  | 623  | 747  | 830  | 955  | 1160 | 2.12             | 2.51 | 250                           | 331  | 220                  |
|              | HALQD110HHM  | 10.6                        | 1/3+                | CSIR                  | F               | 305                                               | 411  | 515  | 650   | 720  | 771  | 935  | 1028 | 1182 | 1439 | 2.12             | 2.52 | 307                           | 408  | 220                  |
| DQ           | HAQQD128HHM  | 12.3                        | 3/8+                | CSIR                  | F               | 395                                               | 528  | 660  | 830   | 924  | 990  | 1200 | 1320 | 1518 | 1848 | 2.02             | 2.36 | 411                           | 559  | 250                  |
|              | HAQQD142HHM  | 13.6                        | 1/2                 | CSIR                  | F               | 440                                               | 586  | 733  | 920   | 1026 | 1099 | 1333 | 1465 | 1685 | 1978 | 2.02             | 2.37 | 455                           | 618  | 250                  |
|              | HAQQD158HHM  | 15.3                        | 1/2+                | CSIR                  | F               | 480                                               | 640  | 800  | 1008  | 1120 | 1200 | 1456 | 1600 | 1840 | 2160 | 2.02             | 2.37 | 499                           | 675  | 250                  |
|              | *HAQQD168HHW | 16.3                        | 5/8                 | CSCR                  | F               | 510                                               | 680  | 850  | 1070  | 1190 | 1270 | 1540 | 1700 | 1950 | 2290 | 2.10             | 2.50 | 510                           | 680  | 250                  |

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DW           | HBWQD30HHP   | 3.0                         | 1/7                 | RSIR                  | S               | 105                                               | 142  | 177  | 224   | 248  | 266  | 322  | 354  | 407  | 496  | 1.90             | 2.18 | 118                           | 162  | 160                  |
|              | HBWQD35HHP   | 3.5                         | 1/6                 | RSIR                  | S               | 125                                               | 165  | 207  | 260   | 289  | 310  | 375  | 413  | 476  | 578  | 1.98             | 2.31 | 131                           | 179  | 160                  |
| DF           | HBQD43HHP    | 4.3                         | 1/6+                | RSIR                  | S               | 152                                               | 203  | 254  | 319   | 354  | 381  | 461  | 507  | 584  | 708  | 2.01             | 2.36 | 159                           | 215  | 180                  |
|              | HBQD52HHP    | 4.9                         | 1/5                 | RSIR                  | S               | 173                                               | 231  | 289  | 366   | 405  | 434  | 526  | 578  | 664  | 809  | 2.01             | 2.37 | 182                           | 244  | 180                  |
|              | HBQD59HHP    | 5.5                         | 1/5+                | RSIR                  | S               | 195                                               | 260  | 325  | 407   | 454  | 487  | 590  | 649  | 747  | 909  | 2.01             | 2.35 | 204                           | 276  | 180                  |
|              | HBQD65HHR    | 6.2                         | 1/4                 | RSIR                  | S               | 210                                               | 285  | 360  | 450   | 505  | 540  | 650  | 720  | 830  | 980  | 2.01             | 2.35 | 224                           | 306  | 180                  |
| DL           | HBLQD65HHR   | 6.2                         | 1/4                 | RSIR                  | S               | 225                                               | 297  | 372  | 460   | 520  | 558  | 676  | 743  | 856  | 1041 | 2.05             | 2.41 | 224                           | 312  | 220                  |
|              | HBLQD75HHR   | 7.2                         | 1/4+                | RSIR                  | S/F             | 245                                               | 326  | 407  | 507   | 570  | 611  | 741  | 814  | 938  | 1139 | 2.10             | 2.51 | 242                           | 324  | 220                  |
|              | HBLQD91HHR   | 8.8                         | 1/3                 | RSIR                  | S/F             | 293                                               | 392  | 490  | 625   | 684  | 735  | 881  | 979  | 1127 | 1369 | 2.12             | 2.51 | 295                           | 390  | 220                  |
|              | HBLQD110HHM  | 10.6                        | 3/8+                | CSIR                  | F               | 365                                               | 485  | 608  | 767   | 850  | 910  | 1103 | 1213 | 1395 | 1698 | 2.12             | 2.52 | 362                           | 481  | 220                  |
| DQ           | HBQQD128HHM  | 12.3                        | 1/2+                | CSIR                  | F               | 465                                               | 623  | 779  | 979   | 1090 | 1168 | 1416 | 1558 | 1791 | 2181 | 2.02             | 2.36 | 485                           | 660  | 250                  |
|              | HBQQD142HHM  | 13.6                        | 5/8                 | CSIR                  | F               | 518                                               | 691  | 864  | 1086  | 1210 | 1297 | 1573 | 1729 | 1988 | 2334 | 2.02             | 2.37 | 537                           | 729  | 250                  |
|              | *HBQQD158HHW | 15.3                        | 5/8+                | CSCR                  | F               | 570                                               | 760  | 950  | 1200  | 1330 | 1425 | 1730 | 1900 | 2180 | 2565 | 2.10             | 2.50 | 571                           | 760  | 250                  |

Technical Data of  
 QD Series R134a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DW           | HDWQD30HHY   | 3.0                         | 1/7                 | RSIR                  | S               | 105                                               | 143  | 178  | 225   | 248  | 266  | 322  | 354  | 407  | 496  | 1.90             | 2.18 | 118                           | 162  | 160                  |
| DF           | HDFQD35HHY   | 3.5                         | 1/6                 | RSIR                  | S               | 125                                               | 165  | 207  | 260   | 289  | 310  | 375  | 413  | 476  | 578  | 1.98             | 2.31 | 131                           | 179  | 160                  |
|              | HDFQD43HHY   | 4.3                         | 1/6+                | RSIR                  | S               | 152                                               | 203  | 254  | 320   | 354  | 381  | 461  | 507  | 584  | 708  | 2.01             | 2.36 | 159                           | 215  | 180                  |
|              | HDFQD52HHY   | 4.9                         | 1/5                 | RSIR                  | S               | 173                                               | 231  | 289  | 366   | 405  | 434  | 526  | 578  | 664  | 809  | 2.01             | 2.37 | 182                           | 244  | 180                  |
|              | HDFQD59HHY   | 5.5                         | 1/5+                | RSIR                  | S               | 195                                               | 260  | 325  | 407   | 454  | 487  | 590  | 649  | 747  | 909  | 2.00             | 2.35 | 204                           | 276  | 180                  |
|              | HDFQD65HHY   | 6.2                         | 1/4                 | RSIR                  | S               | 210                                               | 285  | 360  | 450   | 505  | 540  | 650  | 720  | 830  | 980  | 2.01             | 2.35 | 224                           | 306  | 180                  |
| DL           | HDLQD65HHM   | 6.2                         | 1/4                 | CSIR                  | S               | 225                                               | 297  | 372  | 460   | 520  | 558  | 676  | 743  | 856  | 1041 | 2.05             | 2.41 | 224                           | 312  | 220                  |
|              | HDLQD75HHM   | 7.2                         | 1/4+                | CSIR                  | S/F             | 245                                               | 326  | 408  | 508   | 570  | 611  | 741  | 814  | 938  | 1139 | 2.10             | 2.51 | 242                           | 324  | 220                  |
|              | HDLQD91HHM   | 8.8                         | 1/3                 | CSIR                  | S/F             | 293                                               | 392  | 490  | 625   | 684  | 735  | 881  | 979  | 1127 | 1369 | 2.12             | 2.51 | 295                           | 390  | 220                  |
|              | HDLQD110HHM  | 10.6                        | 3/8+                | CSIR                  | F               | 365                                               | 485  | 608  | 767   | 850  | 910  | 1103 | 1213 | 1395 | 1698 | 2.12             | 2.52 | 362                           | 481  | 220                  |
| DQ           | HDQQD128HHM  | 12.3                        | 1/2+                | CSIR                  | F               | 465                                               | 623  | 779  | 980   | 1090 | 1168 | 1416 | 1558 | 1791 | 2181 | 2.02             | 2.36 | 485                           | 660  | 250                  |
|              | *HDQQD142HHW | 13.6                        | 5/8                 | CSCR                  | F               | 518                                               | 691  | 864  | 1086  | 1210 | 1297 | 1573 | 1729 | 1988 | 2334 | 2.02             | 2.37 | 537                           | 729  | 250                  |
|              | *HDQQD158HHW | 15.3                        | 5/8+                | CSCR                  | F               | 570                                               | 760  | 950  | 1200  | 1330 | 1425 | 1730 | 1900 | 2180 | 2565 | 2.10             | 2.50 | 571                           | 760  | 250                  |

# L/M/HBP Commercial Series Compressor

**QD系列**  
**L/M/HBP**  
**R134a**

Technical Data of  
QD Series R134a Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130°FCondensing Temp. |      |      |        |      |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |       |      | 输 入 功 率<br>Input Power<br>(W) |       |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|--------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------|------|------|------|------------------|-------|------|-------------------------------|-------|------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                             | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -23.3℃           | -6.7℃ | 7.2℃ | -23.3℃                        | -6.7℃ | 7.2℃ |                      |
| DW           | TAWQD25HHY   | 2.5                         | 1/12                | CSIR                  | S               | 28                                               | 37   | 49   | 55     | 70   | 87   | 108  | 137   | 150  | 170  | 235  | 216  | 236  | 290  | 0.85             | 1.60  | 1.78 | 65                            | 85    | 121  | 140                  |
|              | TAWQD30HHY   | 3.0                         | 1/10                | CSIR                  | S               | 33                                               | 45   | 59   | 65     | 85   | 105  | 130  | 165   | 180  | 205  | 235  | 260  | 288  | 350  | 0.85             | 1.60  | 1.80 | 76                            | 103   | 145  | 140                  |
|              | TAWQD35HHY   | 3.5                         | 1/8                 | CSIR                  | S               | 38                                               | 53   | 68   | 76     | 99   | 122  | 175  | 220   | 240  | 275  | 315  | 350  | 385  | 473  | 0.90             | 1.98  | 2.31 | 84                            | 111   | 152  | 140                  |
| DF           | TAFQD43HHY   | 4.3                         | 1/6                 | CSIR                  | S               | 47                                               | 65   | 83   | 93     | 121  | 149  | 215  | 270   | 296  | 335  | 387  | 430  | 473  | 639  | 0.95             | 2.01  | 2.36 | 98                            | 134   | 182  | 180                  |
|              | TAFQD52HHY   | 4.9                         | 1/6+                | CSIR                  | S               | 56                                               | 78   | 101  | 112    | 145  | 179  | 245  | 310   | 340  | 368  | 440  | 490  | 539  | 661  | 1.00             | 2.01  | 2.37 | 112                           | 154   | 207  | 180                  |
|              | TAFQD59HHY   | 5.5                         | 1/5                 | CSIR                  | S               | 67                                               | 93   | 120  | 133    | 173  | 213  | 275  | 345   | 380  | 431  | 495  | 550  | 605  | 743  | 1.10             | 2.00  | 2.35 | 121                           | 173   | 234  | 180                  |
|              | TAFQD65HHY   | 6.2                         | 1/4                 | CSIR                  | S               | 80                                               | 112  | 145  | 160    | 208  | 256  | 312  | 390   | 430  | 488  | 568  | 630  | 695  | 850  | 1.15             | 2.05  | 2.41 | 139                           | 190   | 261  | 180                  |
|              | TAFQD75HHY   | 7.2                         | 1/4+                | CSIR                  | S               | 90                                               | 126  | 163  | 180    | 234  | 293  | 336  | 420   | 463  | 523  | 585  | 670  | 740  | 905  | 1.30             | 2.05  | 2.41 | 138                           | 205   | 278  | 180                  |
| DL           | TALQD75HHM   | 7.2                         | 1/4+                | CSIR                  | S/F             | 93                                               | 130  | 168  | 185    | 240  | 300  | 345  | 430   | 475  | 538  | 620  | 690  | 760  | 930  | 1.35             | 2.10  | 2.50 | 137                           | 205   | 276  | 220                  |
|              | TALQD91HHM   | 8.8                         | 1/3                 | CSIR                  | S/F             | 115                                              | 158  | 203  | 225    | 293  | 360  | 440  | 550   | 605  | 688  | 765  | 850  | 935  | 1150 | 1.37             | 2.12  | 2.51 | 164                           | 259   | 339  | 220                  |
|              | TALQD110HHM  | 10.60                       | 3/8                 | CSIR                  | F               | 140                                              | 195  | 250  | 280    | 365  | 450  | 520  | 650   | 720  | 810  | 945  | 1050 | 1155 | 1420 | 1.41             | 2.12  | 2.50 | 199                           | 307   | 420  | 220                  |
| DQ           | TAQDQ128HHM  | 12.3                        | 1/2                 | CSIR                  | F               | 175                                              | 245  | 315  | 350    | 455  | 560  | 615  | 770   | 845  | 960  | 1090 | 1215 | 1335 | 1640 | 1.30             | 2.02  | 2.36 | 271                           | 381   | 515  | 250                  |
|              | TAQDQ142HHM  | 13.6                        | 1/2+                | CSIR                  | F               | 190                                              | 265  | 340  | 380    | 495  | 605  | 668  | 835   | 920  | 1045 | 1188 | 1320 | 1450 | 1780 | 1.31             | 2.02  | 2.37 | 290                           | 413   | 557  | 250                  |
|              | TAQDQ158HHM  | 15.3                        | 5/8                 | CSIR                  | F               | 210                                              | 295  | 380  | 420    | 545  | 670  | 740  | 925   | 1015 | 1155 | 1310 | 1460 | 1600 | 1970 | 1.30             | 2.02  | 2.36 | 323                           | 458   | 619  | 250                  |

Technical Data of  
QD Series R134a Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130°FCondensing Temp. |      |      |        |      |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |       |      | 输 入 功 率<br>Input Power<br>(W) |       |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|--------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------|------|------|------|------------------|-------|------|-------------------------------|-------|------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                             | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -23.3℃           | -6.7℃ | 7.2℃ | -23.3℃                        | -6.7℃ | 7.2℃ |                      |
| DW           | TBWQD25HHY   | 2.5                         | 1/10                | CSIR                  | S               | 32                                               | 44   | 58   | 64     | 83   | 103  | 127  | 160   | 176  | 200  | 230  | 256  | 283  | 345  | 0.85             | 1.70  | 1.90 | 75                            | 94    | 135  | 140                  |
|              | TBWQD30HHY   | 3.0                         | 1/8                 | CSIR                  | S               | 39                                               | 53   | 70   | 77     | 100  | 124  | 153  | 195   | 212  | 242  | 277  | 307  | 340  | 413  | 0.85             | 1.70  | 1.90 | 90                            | 115   | 161  | 140                  |
|              | TBWQD35HHY   | 3.5                         | 1/7                 | CSIR                  | S               | 45                                               | 63   | 80   | 90     | 117  | 144  | 207  | 260   | 283  | 325  | 372  | 413  | 454  | 558  | 0.90             | 1.98  | 2.31 | 100                           | 131   | 179  | 140                  |
| DF           | TBFQD43HHY   | 4.3                         | 1/6                 | CSIR                  | S               | 55                                               | 77   | 98   | 110    | 143  | 176  | 254  | 319   | 349  | 395  | 457  | 507  | 558  | 754  | 0.95             | 2.01  | 2.36 | 116                           | 159   | 215  | 180                  |
|              | TBFQD52HHY   | 4.9                         | 1/5                 | CSIR                  | S               | 66                                               | 92   | 119  | 132    | 171  | 211  | 289  | 366   | 401  | 434  | 519  | 578  | 636  | 780  | 1.00             | 2.01  | 2.37 | 132                           | 182   | 244  | 180                  |
|              | TBFQD59HHY   | 5.5                         | 1/4                 | CSIR                  | S               | 79                                               | 110  | 142  | 157    | 204  | 251  | 325  | 407   | 448  | 509  | 584  | 649  | 714  | 877  | 1.10             | 2.00  | 2.35 | 143                           | 204   | 276  | 180                  |
|              | TBFQD65HHY   | 6.2                         | 1/4+                | CSIR                  | S               | 92                                               | 130  | 168  | 185    | 240  | 296  | 360  | 450   | 498  | 565  | 656  | 728  | 805  | 983  | 1.10             | 2.00  | 2.36 | 168                           | 225   | 308  | 180                  |
|              | TBLQD65HHM   | 6.2                         | 1/4+                | CSIR                  | S               | 94                                               | 132  | 171  | 189    | 245  | 302  | 368  | 460   | 507  | 576  | 670  | 743  | 820  | 1003 | 1.25             | 2.05  | 2.41 | 151                           | 224   | 308  | 220                  |
| DL           | TBLQD75HHM   | 7.2                         | 1/3                 | CSIR                  | S/F             | 110                                              | 153  | 198  | 218    | 283  | 354  | 407  | 507   | 561  | 635  | 732  | 814  | 897  | 1097 | 1.35             | 2.10  | 2.50 | 162                           | 242   | 326  | 220                  |
|              | TBLQD91HHM   | 8.8                         | 1/3+                | CSIR                  | S/F             | 136                                              | 186  | 240  | 266    | 346  | 425  | 519  | 649   | 714  | 812  | 903  | 1000 | 1103 | 1357 | 1.37             | 2.12  | 2.51 | 194                           | 306   | 400  | 220                  |
|              | TBLQD110HHM  | 10.6                        | 1/2                 | CSIR                  | F               | 165                                              | 230  | 295  | 330    | 431  | 531  | 614  | 767   | 850  | 956  | 1115 | 1239 | 1363 | 1676 | 1.41             | 2.12  | 2.50 | 234                           | 362   | 496  | 220                  |
|              | TBLQD120HHM  | 11.6                        | 1/2+                | CSIR                  | F               | 188                                              | 265  | 340  | 378    | 490  | 605  | 680  | 850   | 935  | 1060 | 1215 | 1350 | 1485 | 1820 | 1.39             | 2.11  | 2.50 | 272                           | 403   | 540  | 220                  |
|              | TBQDQ128HHM  | 12.3                        | 5/8                 | CSIR                  | F               | 207                                              | 289  | 372  | 413    | 537  | 661  | 726  | 910   | 997  | 1133 | 1286 | 1435 | 1575 | 1935 | 1.30             | 2.02  | 2.36 | 320                           | 450   | 608  | 250                  |
| DQ           | TBQDQ142HHM  | 13.6                        | 5/8                 | CSIR                  | F               | 207                                              | 289  | 372  | 413    | 537  | 661  | 726  | 909   | 997  | 1133 | 1286 | 1560 | 1575 | 1935 | 1.31             | 2.02  | 2.37 | 320                           | 450   | 608  | 250                  |
|              | TBQDQ158HHW  | 15.3                        | 5/8+                | CSCR                  | F               | 224                                              | 313  | 401  | 448    | 584  | 714  | 788  | 985   | 1086 | 1233 | 1402 | 1560 | 1711 | 2100 | 1.31             | 2.02  | 2.37 | 342                           | 488   | 657  | 250                  |

Technical Data of  
QD Series R134a Refrigeration Compressor ( 115-127V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |       |      | 输 入 功 率<br>Input Power<br>(W) |       |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------|-------|------|------|------|------|------|------|------------------|-------|------|-------------------------------|-------|------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -23.3℃           | -6.7℃ | 7.2℃ | -23.3℃                        | -6.7℃ | 7.2℃ |                      |
| DW           | TDWQD25HHY   | 2.5                         | 1/10                | CSIR                  | S               | 32                                                | 44   | 58   | 64     | 83   | 103  | 127  | 160   | 176  | 200  | 230  | 256  | 283  | 345  | 0.85             | 1.70  | 1.90 | 75                            | 94    | 135  | 140                  |
|              | TDWQD30HHY   | 3.0                         | 1/8                 | CSIR                  | S               | 40                                                | 54   | 71   | 78     | 117  | 125  | 207  | 260   | 283  | 325  | 372  | 413  | 454  | 558  | 0.85             | 1.70  | 1.90 | 100                           | 115   | 163  | 140                  |
| DF           | TDFQD35HHY   | 3.5                         | 1/7                 | CSIR                  | S               | 45                                                | 63   | 80   | 90     | 117  | 145  | 207  | 260   | 283  | 325  | 372  | 413  | 454  | 558  | 0.90             | 1.98  | 2.31 | 100                           | 131   | 179  | 180                  |
|              | TDFQD43HHY   | 4.3                         | 1/6                 | CSIR                  | S               | 55                                                | 77   | 98   | 110    | 143  | 177  | 254  | 319   | 349  | 395  | 457  | 507  | 558  | 754  | 0.95             | 2.01  | 2.36 | 116                           | 159   | 215  | 180                  |
|              | TDFQD52HHY   | 4.9                         | 1/5                 | CSIR                  | S               | 67                                                | 93   | 120  | 133    | 173  | 212  | 289  | 366   | 401  | 434  | 519  | 578  | 636  | 780  | 1.00             | 2.01  | 2.37 | 132                           | 182   | 244  | 180                  |
|              | TDFQD59HHY   | 5.5                         | 1/4                 | CSIR                  | S               | 79                                                | 110  | 142  | 158    | 205  | 253  | 325  | 407   | 448  | 509  | 584  | 649  | 714  | 877  | 1.10             | 2.00  | 2.35 | 143                           | 204   | 276  | 180                  |
|              | TDFQD65HHY   | 6.2                         | 1/4+                | CSIR                  | S               | 92                                                | 129  | 168  | 185    | 240  | 296  | 360  | 450   | 495  | 563  | 650  | 723  | 800  | 980  | 1.10             | 2.00  | 2.35 | 168                           | 225   | 308  | 180                  |
| DL           | TDLQD65HHM   | 6.2                         | 1/4+                | CSIR                  | S               | 95                                                | 133  | 173  | 190    | 248  | 305  | 372  | 465   | 510  | 580  | 670  | 745  | 825  | 1010 | 1.15             | 2.05  | 2.41 | 164                           | 224   | 308  | 220                  |
|              | TDLQD75HHM   | 7.2                         | 1/3                 | CSIR                  | S/F             | 105                                               | 147  | 189  | 210    | 274  | 354  | 407  | 510   | 561  | 635  | 732  | 820  | 897  | 1097 | 1.35             | 2.10  | 2.50 | 162                           | 242   | 326  | 220                  |
|              | TDLQD91HHM   | 8.8                         | 1/3+                | CSIR                  | S/F             | 125                                               | 175  | 225  | 250    | 325  | 400  | 519  | 651   | 715  | 812  | 905  | 1010 | 1110 | 1360 | 1.37             | 2.12  | 2.51 | 194                           | 306   | 400  | 220                  |
|              | TDLQD110HHM  | 10.6                        | 1/2                 | CSIR                  | F               | 161                                               | 225  | 289  | 320    | 431  | 531  | 614  | 770   | 850  | 956  | 1115 | 1245 | 1363 | 1676 | 1.41             | 2.12  | 2.50 | 234                           | 362   | 496  | 220                  |
| DQ           | TDQDQ120HHM  | 11.6                        | 1/2+                | CSIR                  | F               | 190                                               | 266  | 340  | 380    | 490  | 605  | 690  | 870   | 950  | 1080 | 1235 | 1380 | 1510 | 1855 | 1.40             | 2.12  | 2.50 | 271                           | 408   | 550  | 250                  |
|              | TDQDQ128HHM  | 12.3                        | 5/8                 | CSIR                  | F               | 193                                               | 270  | 348  | 418    | 503  | 661  | 726  | 910   | 997  | 1133 | 1286 | 1435 | 1575 | 1935 | 1.30             | 2.02  | 2.36 | 320                           | 450   | 608  | 250                  |
|              | *TDQDQ142HHW | 13.6                        | 5/8                 | CSCR                  | F               | 227                                               | 318  | 410  | 455    | 590  | 728  | 880  | 1110  | 1210 | 1375 | 1420 | 1580 | 1735 | 2130 | 1.31             | 2.03  | 2.37 | 341                           | 546   | 667  | 250                  |
|              | *TDQDQ158HHW | 15.3                        | 5/8+                | CSCR                  | F               | 244                                               | 341  | 439  | 487    | 634  | 780  | 856  | 1072  | 1177 | 1337 | 1518 | 1560 | 1859 | 2284 | 1.31             | 2.02  | 2.37 | 377                           | 531   | 717  | 250                  |

# L/MBP Commercial Series Compressor

**QD系列**  
**L/MBP**  
**R134a**

## Technical Data of QD Series R134a Refrigeration Compressor ( 220-240V/50Hz ~ 60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 频 率 | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |          |          |            |          |          |          |           |         |        | 能 效 比<br>COP W/W |           | 输 入 功 率<br>Input Power<br>(W) |           | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|-----|---------------------------------------------------|----------|----------|------------|----------|----------|----------|-----------|---------|--------|------------------|-----------|-------------------------------|-----------|----------------------|
|              |              |                             |                     |                       |                 |     | -35<br>℃                                          | -30<br>℃ | -25<br>℃ | -23.3<br>℃ | -20<br>℃ | -15<br>℃ | -10<br>℃ | -6.7<br>℃ | -5<br>℃ | 0<br>℃ | -23.3<br>℃       | -6.7<br>℃ | -23.3<br>℃                    | -6.7<br>℃ |                      |
| DW           | MFWQD25HHP   | 2.5                         | 1/10                | RSIR                  | S               | 50  | 27                                                | 38       | 50       | 55         | 70       | 88       | 108      | 138       | 150     | 170    | 0.85             | 1.6       | 65                            | 86        | 140                  |
|              |              |                             |                     |                       |                 | 60  | 32                                                | 44       | 58       | 64         | 83       | 103      | 127      | 160       | 176     | 200    | 0.85             | 1.6       | 75                            | 100       | 140                  |
|              | MFWQD30HHP   | 3.0                         | 1/10                | RSIR                  | S               | 50  | 33                                                | 45       | 59       | 65         | 85       | 105      | 130      | 165       | 180     | 205    | 0.85             | 1.60      | 76                            | 103       | 140                  |
|              |              |                             |                     |                       |                 | 60  | 39                                                | 53       | 70       | 77         | 100      | 124      | 153      | 195       | 212     | 242    | 0.85             | 1.70      | 90                            | 115       | 140                  |
|              | MFWQD35HHP   | 3.5                         | 1/8                 | RSIR                  | S               | 50  | 38                                                | 53       | 68       | 76         | 99       | 122      | 175      | 220       | 240     | 275    | 0.90             | 1.98      | 84                            | 111       | 140                  |
|              |              |                             |                     |                       |                 | 60  | 45                                                | 63       | 80       | 90         | 117      | 144      | 207      | 260       | 283     | 325    | 0.90             | 1.98      | 100                           | 131       | 140                  |
| DF           | MFFQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 50  | 47                                                | 65       | 83       | 93         | 121      | 149      | 215      | 270       | 296     | 335    | 0.95             | 2.01      | 98                            | 134       | 180                  |
|              |              |                             |                     |                       |                 | 60  | 55                                                | 77       | 98       | 110        | 143      | 176      | 254      | 319       | 349     | 395    | 0.95             | 2.01      | 116                           | 159       | 180                  |
|              | MFFQD52HHP   | 4.9                         | 1/6+                | RSIR                  | S               | 50  | 56                                                | 78       | 101      | 112        | 145      | 179      | 245      | 310       | 340     | 368    | 1.00             | 2.01      | 112                           | 154       | 180                  |
|              |              |                             |                     |                       |                 | 60  | 66                                                | 92       | 119      | 132        | 171      | 211      | 289      | 366       | 401     | 434    | 1.00             | 2.01      | 132                           | 182       | 180                  |
|              | MFFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 50  | 67                                                | 93       | 120      | 133        | 173      | 213      | 275      | 345       | 380     | 431    | 1.10             | 2.00      | 121                           | 173       | 180                  |
|              |              |                             |                     |                       |                 | 60  | 79                                                | 110      | 142      | 157        | 204      | 251      | 325      | 407       | 448     | 509    | 1.10             | 2.00      | 143                           | 204       | 180                  |
|              | MFFQD65HHP   | 6.2                         | 1/4                 | RSIR                  | S               | 50  | 80                                                | 112      | 145      | 160        | 208      | 256      | 312      | 390       | 430     | 488    | 1.15             | 2.05      | 139                           | 190       | 180                  |
|              |              |                             |                     |                       |                 | 60  | 92                                                | 130      | 168      | 185        | 240      | 296      | 360      | 450       | 498     | 565    | 1.10             | 2.00      | 168                           | 225       | 180                  |
| DL           | MFLQD75HHM   | 7.2                         | 1/4+                | CSIR                  | S/F             | 50  | 93                                                | 130      | 168      | 185        | 240      | 300      | 345      | 430       | 475     | 538    | 1.35             | 2.10      | 137                           | 205       | 220                  |
|              |              |                             |                     |                       |                 | 60  | 110                                               | 153      | 198      | 218        | 283      | 354      | 407      | 507       | 561     | 635    | 1.35             | 2.10      | 162                           | 242       | 220                  |
|              | MFLQD91HHM   | 8.8                         | 1/3                 | CSIR                  | S/F             | 50  | 115                                               | 158      | 203      | 225        | 293      | 360      | 440      | 550       | 605     | 688    | 1.37             | 2.12      | 164                           | 259       | 220                  |
|              |              |                             |                     |                       |                 | 60  | 136                                               | 186      | 240      | 266        | 346      | 425      | 519      | 649       | 714     | 812    | 1.37             | 2.12      | 194                           | 306       | 220                  |
|              | MFLQD110HHM  | 10.60                       | 3/8                 | CSIR                  | F               | 50  | 140                                               | 195      | 250      | 280        | 365      | 450      | 520      | 650       | 720     | 810    | 1.41             | 2.12      | 199                           | 307       | 220                  |
|              |              |                             |                     |                       |                 | 60  | 165                                               | 230      | 295      | 330        | 431      | 531      | 614      | 767       | 850     | 956    | 1.41             | 2.12      | 272                           | 362       | 220                  |
| DQ           | MFQD128HHM   | 12.3                        | 1/2                 | CSIR                  | F               | 50  | 175                                               | 245      | 315      | 350        | 455      | 560      | 615      | 770       | 845     | 960    | 1.30             | 2.02      | 271                           | 381       | 250                  |
|              |              |                             |                     |                       |                 | 60  | 207                                               | 289      | 372      | 413        | 537      | 661      | 726      | 910       | 997     | 1133   | 1.30             | 2.02      | 320                           | 450       | 250                  |
|              | MFQD142HHM   | 13.6                        | 1/2+                | CSIR                  | F               | 50  | 190                                               | 265      | 340      | 380        | 495      | 605      | 668      | 835       | 920     | 1045   | 1.31             | 2.02      | 290                           | 413       | 250                  |
|              |              |                             |                     |                       |                 | 60  | 224                                               | 313      | 401      | 448        | 584      | 714      | 788      | 985       | 1086    | 1233   | 1.31             | 2.02      | 342                           | 488       | 250                  |
|              | MFQD158HHW   | 15.3                        | 5/8                 | CSCR                  | F               | 50  | 210                                               | 295      | 380      | 420        | 545      | 670      | 740      | 925       | 1015    | 1155   | 1.35             | 2.10      | 323                           | 440       | 250                  |
|              |              |                             |                     |                       |                 | 60  | 250                                               | 350      | 450      | 500        | 650      | 800      | 888      | 1110      | 1215    | 1385   | 1.35             | 2.1       | 370                           | 528       | 250                  |

## M/HBP Commercial Series Compressor

**QD系列**  
**M/HBP**  
**R134a**

### Technical Data of QD Series R134a Refrigeration Compressor ( 220-240V/50Hz ~ 60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 频 率 | 制 冷 量<br>Capacity(W)54.4℃/ 130°F Condensing Temp. |      |      |       |      |      |      |      |      |      | 能 效 比<br>COP W/W |      | 输 入 功 率<br>Input Power<br>(W) |      | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|-----|---------------------------------------------------|------|------|-------|------|------|------|------|------|------|------------------|------|-------------------------------|------|----------------------|
|              |              |                             |                     |                       |                 |     | -20℃                                              | -15℃ | -10℃ | -6.7℃ | -5℃  | 0℃   | 5℃   | 7.2℃ | 10℃  | 15℃  | -6.7℃            | 7.2℃ | -6.7℃                         | 7.2℃ |                      |
| DW           | HFWQD25HHP   | 2.5                         | 1/12                | RSIR                  | S               | 50  | 71                                                | 63   | 108  | 138   | 150  | 171  | 196  | 216  | 240  | 290  | 1.6              | 1.8  | 86                            | 120  | 140                  |
|              |              |                             |                     |                       |                 | 60  | 83                                                | 88   | 128  | 163   | 176  | 202  | 231  | 256  | 280  | 345  | 1.7              | 1.9  | 96                            | 135  | 140                  |
|              | HFWQD30HHP   | 3.0                         | 1/10                | RSIR                  | S               | 50  | 85                                                | 105  | 130  | 165   | 180  | 205  | 235  | 260  | 288  | 350  | 1.60             | 1.80 | 103                           | 145  | 140                  |
|              |              |                             |                     |                       |                 | 60  | 100                                               | 124  | 153  | 195   | 212  | 242  | 277  | 307  | 340  | 413  | 1.70             | 1.90 | 115                           | 161  | 140                  |
|              | HFWQD35HHP   | 3.5                         | 1/8                 | RSIR                  | S               | 50  | 99                                                | 122  | 175  | 220   | 240  | 275  | 315  | 350  | 385  | 473  | 1.98             | 2.31 | 111                           | 152  | 140                  |
|              |              |                             |                     |                       |                 | 60  | 117                                               | 144  | 207  | 260   | 283  | 325  | 372  | 413  | 454  | 558  | 1.98             | 2.31 | 131                           | 179  | 140                  |
| DF           | HFFQD43HHP   | 4.3                         | 1/6                 | RSIR                  | S               | 50  | 121                                               | 149  | 215  | 270   | 296  | 335  | 387  | 430  | 473  | 639  | 2.01             | 2.36 | 134                           | 182  | 180                  |
|              |              |                             |                     |                       |                 | 60  | 143                                               | 176  | 254  | 319   | 349  | 395  | 457  | 507  | 558  | 754  | 2.01             | 2.36 | 159                           | 215  | 180                  |
|              | HFFQD52HHP   | 4.9                         | 1/6+                | RSIR                  | S               | 50  | 145                                               | 179  | 245  | 310   | 340  | 368  | 440  | 490  | 539  | 661  | 2.01             | 2.37 | 154                           | 207  | 180                  |
|              |              |                             |                     |                       |                 | 60  | 171                                               | 211  | 289  | 366   | 401  | 434  | 519  | 578  | 636  | 780  | 2.01             | 2.37 | 182                           | 244  | 180                  |
|              | HFFQD59HHP   | 5.5                         | 1/5                 | RSIR                  | S               | 50  | 173                                               | 213  | 275  | 345   | 380  | 431  | 495  | 550  | 605  | 743  | 2.00             | 2.35 | 173                           | 234  | 180                  |
|              |              |                             |                     |                       |                 | 60  | 204                                               | 251  | 325  | 407   | 448  | 509  | 584  | 649  | 714  | 877  | 2.00             | 2.35 | 204                           | 276  | 180                  |
| DL           | HFLQD65HHM   | 6.2                         | 1/4                 | CSIR                  | S               | 50  | 208                                               | 256  | 312  | 390   | 430  | 488  | 568  | 630  | 695  | 850  | 2.05             | 2.41 | 190                           | 261  | 180                  |
|              |              |                             |                     |                       |                 | 60  | 240                                               | 296  | 360  | 450   | 498  | 565  | 656  | 728  | 805  | 983  | 2.00             | 2.36 | 225                           | 308  | 180                  |
|              | HFLQD75HHM   | 7.2                         | 1/4+                | CSIR                  | S/F             | 50  | 240                                               | 300  | 345  | 430   | 475  | 538  | 620  | 690  | 760  | 930  | 2.10             | 2.50 | 205                           | 276  | 220                  |
|              |              |                             |                     |                       |                 | 60  | 283                                               | 354  | 407  | 507   | 561  | 635  | 732  | 814  | 897  | 1097 | 2.10             | 2.50 | 242                           | 326  | 220                  |
|              | HFLQD91HHM   | 8.8                         | 1/3                 | CSIR                  | S/F             | 50  | 293                                               | 360  | 440  | 550   | 605  | 688  | 765  | 850  | 935  | 1150 | 2.12             | 2.51 | 259                           | 339  | 220                  |
|              |              |                             |                     |                       |                 | 60  | 346                                               | 425  | 519  | 649   | 714  | 812  | 903  | 1000 | 1103 | 1357 | 2.12             | 2.51 | 306                           | 400  | 220                  |
|              | HFLQD110HHM  | 10.6                        | 3/8                 | CSIR                  | F               | 50  | 365                                               | 450  | 520  | 650   | 720  | 810  | 945  | 1050 | 1155 | 1420 | 2.12             | 2.50 | 307                           | 420  | 220                  |
|              |              |                             |                     |                       |                 | 60  | 431                                               | 531  | 614  | 767   | 850  | 956  | 1115 | 1239 | 1363 | 1676 | 2.12             | 2.50 | 362                           | 496  | 220                  |
| DQ           | HFQD128HHM   | 12.3                        | 1/2                 | CSIR                  | F               | 50  | 455                                               | 560  | 615  | 770   | 845  | 960  | 1090 | 1215 | 1335 | 1640 | 2.02             | 2.36 | 381                           | 515  | 250                  |
|              |              |                             |                     |                       |                 | 60  | 537                                               | 661  | 726  | 910   | 997  | 1133 | 1286 | 1435 | 1575 | 1935 | 2.02             | 2.36 | 450                           | 608  | 250                  |
|              | HFQD142HHM   | 13.6                        | 1/2+                | CSIR                  | F               | 50  | 495                                               | 605  | 668  | 835   | 920  | 1045 | 1188 | 1320 | 1450 | 1780 | 2.02             | 2.37 | 413                           | 557  | 250                  |
|              |              |                             |                     |                       |                 | 60  | 584                                               | 714  | 788  | 985   | 1086 | 1233 | 1402 | 1560 | 1711 | 2100 | 2.02             | 2.37 | 488                           | 657  | 250                  |

# LBP Series Compressor

QD/DM/DF/DW系列  
**LBP**  
**R600a**

Technical Data of  
QD Series R600a Refrigeration Compressor ( 220-240V/50Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DW           | LAWQD30YHP   | 3.0                         | 1/12                | RSIR                  | S               | 25                                                | 33   | 43   | 50     | 58   | 75   | 1.15             | 44                            | 140                  |
|              | LAWQD35YHP   | 3.5                         | 1/12                | RSIR                  | S               | 30                                                | 40   | 52   | 60     | 70   | 90   | 1.15             | 52                            | 140                  |
|              | LAWQD43YHP   | 4.3                         | 1/12                | RSIR                  | S               | 36                                                | 50   | 65   | 73     | 87   | 110  | 1.15             | 63                            | 140                  |
|              | LAWQD52YHP   | 5.2                         | 1/12                | RSIR                  | S               | 43                                                | 60   | 80   | 88     | 106  | 132  | 1.15             | 77                            | 140                  |
| DM           | LAWQD60YHP   | 6.0                         | 1/10                | RSIR                  | S               | 48                                                | 68   | 90   | 100    | 120  | 150  | 1.15             | 87                            | 140                  |
|              | LAMD65YHP    | 6.5                         | 1/10                | RSIR                  | S               | 56                                                | 76   | 102  | 112    | 135  | 170  | 1.38             | 81                            | 150                  |
|              | LAMD75YHP    | 7.5                         | 1/8                 | RSIR                  | S               | 65                                                | 91   | 120  | 132    | 158  | 200  | 1.38             | 96                            | 150                  |
| DF           | LAFDF85YHP   | 8.5                         | 1/8                 | RSIR                  | S               | 73                                                | 102  | 132  | 145    | 175  | 218  | 1.46             | 99                            | 160                  |
|              | LAFDF91YHP   | 9.1                         | 1/7                 | RSIR                  | S               | 79                                                | 110  | 143  | 158    | 190  | 238  | 1.46             | 108                           | 160                  |
|              | LAFDF103YHP  | 10.3                        | 1/7                 | RSIR                  | S               | 88                                                | 123  | 160  | 176    | 210  | 260  | 1.51             | 117                           | 160                  |
|              | LAFDF110YHP  | 11.1                        | 1/6                 | RSIR                  | S               | 95                                                | 130  | 171  | 188    | 226  | 280  | 1.51             | 125                           | 160                  |
|              | LAFDF118YHP  | 11.8                        | 1/6                 | RSIR                  | S/F             | 101                                               | 140  | 183  | 202    | 240  | 303  | 1.55             | 130                           | 180                  |
|              | LAFDF128YHP  | 12.8                        | 1/6                 | RSIR                  | S/F             | 110                                               | 153  | 198  | 218    | 260  | 330  | 1.55             | 140                           | 180                  |
| DL           | LALQD142YHP  | 14.2                        | 1/5                 | RSIR                  | F               | 120                                               | 167  | 216  | 238    | 286  | 358  | 1.51             | 157                           | 220                  |
| DQ           | LAQQD158YHP  | 15.8                        | 1/5                 | RSIR                  | F               | 135                                               | 188  | 245  | 268    | 320  | 400  | 1.51             | 177                           | 250                  |

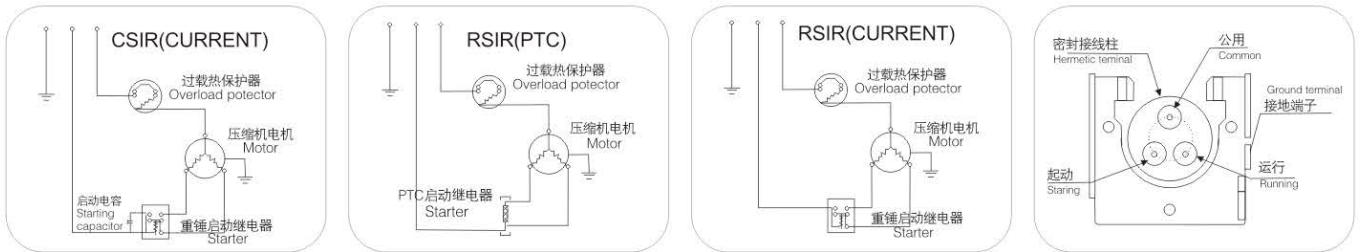
Technical Data of  
QD Series R600a Refrigeration Compressor ( 208-230V/60Hz )

| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DM           | LBWQD30YHP   | 3.0                         | 1/12                | RSIR                  | S               | 30                                                | 40   | 55   | 60     | 70   | 90   | 1.25             | 48                            | 140                  |
|              | LBWQD35YHP   | 3.5                         | 1/12                | RSIR                  | S               | 35                                                | 48   | 63   | 70     | 85   | 105  | 1.25             | 56                            | 140                  |
|              | LBWQD43YHP   | 4.3                         | 1/11                | RSIR                  | S               | 43                                                | 60   | 78   | 86     | 103  | 130  | 1.26             | 68                            | 140                  |
|              | LBWQD52YHP   | 5.2                         | 1/9                 | RSIR                  | S               | 52                                                | 73   | 96   | 105    | 126  | 158  | 1.31             | 80                            | 140                  |
| DF           | LBDF65YHP    | 6.5                         | 1/8                 | RSIR                  | S               | 66                                                | 92   | 120  | 132    | 158  | 200  | 1.38             | 95                            | 160                  |
|              | LBDF75YHP    | 7.5                         | 1/7                 | RSIR                  | S               | 78                                                | 110  | 143  | 157    | 188  | 235  | 1.38             | 113                           | 160                  |
|              | LBDF85YHP    | 8.5                         | 1/6                 | RSIR                  | S               | 86                                                | 120  | 157  | 173    | 208  | 260  | 1.46             | 118                           | 160                  |
|              | LBDF91YHP    | 9.1                         | 1/6                 | RSIR                  | S               | 93                                                | 130  | 170  | 187    | 225  | 280  | 1.46             | 128                           | 160                  |
|              | LBDF103YHP   | 10.3                        | 1/5                 | RSIR                  | S/F             | 105                                               | 146  | 188  | 210    | 250  | 315  | 1.51             | 139                           | 180                  |
|              | LBDF110YHP   | 11.1                        | 1/5                 | RSIR                  | S/F             | 110                                               | 155  | 202  | 222    | 266  | 333  | 1.51             | 147                           | 220                  |
| DL           | LBLQD118YHP  | 11.8                        | 1/5                 | RSIR                  | F               | 120                                               | 166  | 215  | 238    | 285  | 358  | 1.55             | 153                           | 220                  |
|              | LBLQD128YHP  | 12.8                        | 1/4                 | RSIR                  | F               | 130                                               | 180  | 235  | 258    | 310  | 388  | 1.55             | 166                           | 220                  |
|              | LBQD142YHP   | 14.2                        | 1/4                 | RSIR                  | F               | 140                                               | 197  | 255  | 282    | 338  | 425  | 1.51             | 186                           | 250                  |
| DQ           | LBQQD158YHP  | 15.8                        | 1/4                 | RSIR                  | F               | 158                                               | 220  | 288  | 316    | 380  | 475  | 1.51             | 209                           | 250                  |

Technical Data of  
QD Series R600a Refrigeration Compressor ( 115-127V/60Hz )

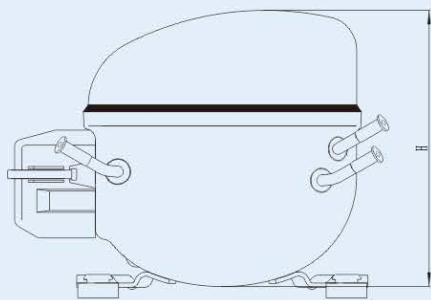
| 机 型<br>Style | 型 号<br>Model | 气缸<br>容积<br>Displ.<br>(Cm3) | 商业标称<br>Power<br>HP | 电机类型<br>Motor<br>Type | 冷却方式<br>Cooling | 制 冷 量<br>Capacity(W)54.4℃/ 130 F Condensing Temp. |      |      |        |      |      | 能 效 比<br>COP W/W | 输 入 功 率<br>Input Power<br>(W) | 注油量<br>Oil<br>Charge |
|--------------|--------------|-----------------------------|---------------------|-----------------------|-----------------|---------------------------------------------------|------|------|--------|------|------|------------------|-------------------------------|----------------------|
|              |              |                             |                     |                       |                 | -35℃                                              | -30℃ | -25℃ | -23.3℃ | -20℃ | -15℃ |                  |                               |                      |
| DM           | LDMQD30YHP   | 3.0                         | 1/12                | RSIR                  | S               | 30                                                | 45   | 55   | 60     | 73   | 93   | 1.25             | 48                            | 140                  |
|              | LDMQD35YHP   | 3.5                         | 1/12                | RSIR                  | S               | 35                                                | 50   | 65   | 70     | 85   | 108  | 1.25             | 56                            | 140                  |
|              | LDWQD43YHP   | 4.3                         | 1/11                | RSIR                  | S               | 45                                                | 62   | 80   | 88     | 105  | 133  | 1.28             | 69                            | 140                  |
|              | LDWQD52YHP   | 4.9                         | 1/9                 | RSIR                  | S               | 53                                                | 75   | 97   | 106    | 128  | 160  | 1.31             | 80                            | 140                  |
| DF           | LDFDF65YHP   | 6.5                         | 1/8                 | RSIR                  | S               | 65                                                | 91   | 119  | 131    | 156  | 198  | 1.38             | 95                            | 160                  |
|              | LDFDF75YHP   | 7.5                         | 1/7                 | RSIR                  | S               | 77                                                | 111  | 142  | 158    | 190  | 238  | 1.38             | 114                           | 160                  |
|              | LDFDF85YHP   | 8.5                         | 1/6                 | RSIR                  | S               | 85                                                | 121  | 156  | 174    | 210  | 263  | 1.46             | 119                           | 160                  |
|              | LDFDF91YHP   | 9.1                         | 1/6                 | RSIR                  | S               | 95                                                | 131  | 172  | 188    | 226  | 283  | 1.46             | 128                           | 160                  |
|              | LDLQD103YHP  | 10.3                        | 1/5                 | RSIR                  | S/F             | 106                                               | 147  | 190  | 212    | 250  | 315  | 1.51             | 140                           | 220                  |
| DL           | LDLQD110YHP  | 11.1                        | 1/5                 | RSIR                  | S/F             | 111                                               | 156  | 203  | 224    | 268  | 336  | 1.51             | 148                           | 220                  |
|              | LDLQD118YHP  | 11.8                        | 1/5                 | RSIR                  | F               | 121                                               | 167  | 216  | 240    | 287  | 360  | 1.56             | 154                           | 220                  |
|              | LDLQD128YHP  | 12.8                        | 1/4                 | RSIR                  | F               | 131                                               | 182  | 236  | 260    | 312  | 390  | 1.56             | 167                           | 220                  |
|              | LDQD142YHM   | 14.2                        | 1/4                 | CSIR                  | F               | 141                                               | 198  | 257  | 285    | 340  | 430  | 1.52             | 187                           | 250                  |
| DQ           | LDQQD158YHM  | 15.8                        | 1/4                 | CSIR                  | F               | 160                                               | 225  | 290  | 320    | 386  | 480  | 1.52             | 211                           | 250                  |

## Compressor Wiring Diagram

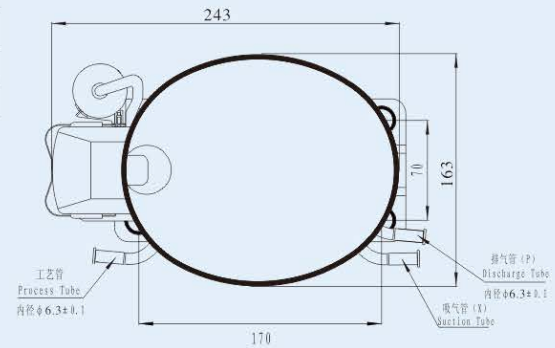


## Compressor Dimensions

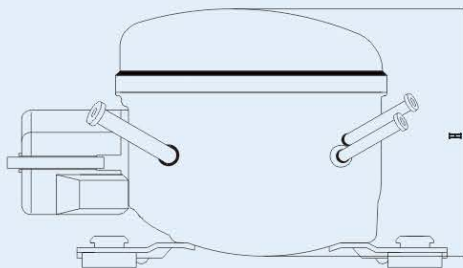
### DQ Style



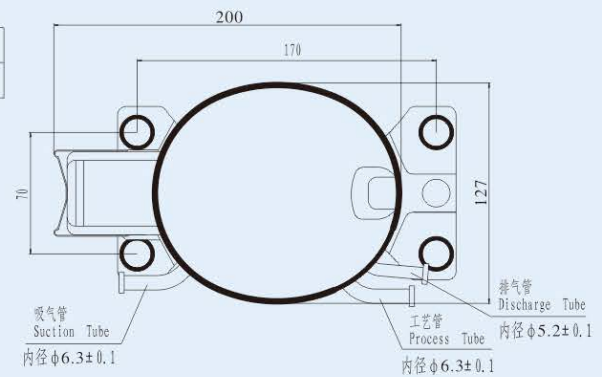
| 压缩机   | H (mm) |
|-------|--------|
| Q/Max | 198    |
| Q/Min | 190    |



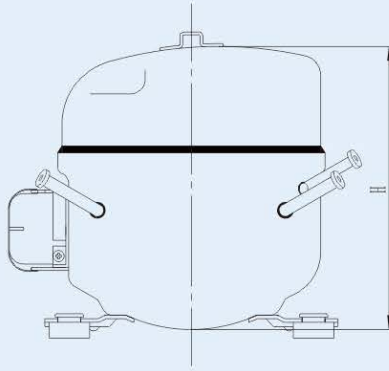
### DWG02-DW Series



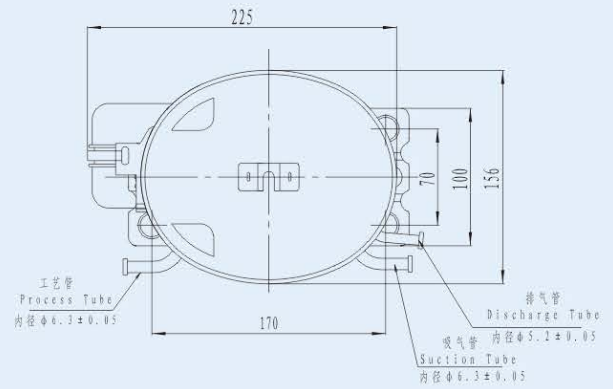
| 压缩机   | H (mm) |
|-------|--------|
| W/Max | 140    |
| W/Min | 133    |



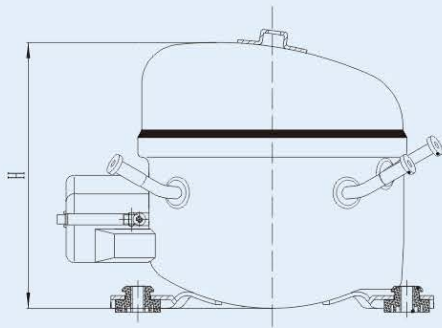
## DL Style



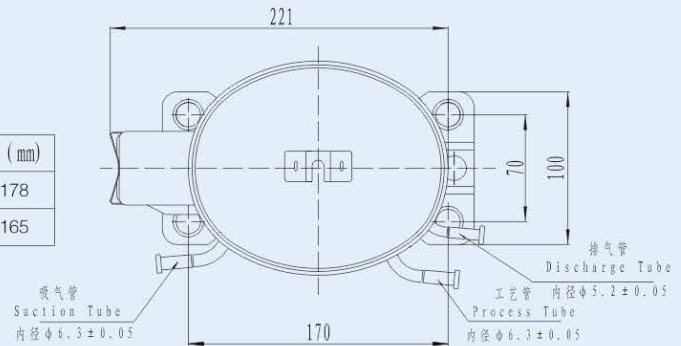
| 压缩机   | H (mm) |
|-------|--------|
| L/Max | 197    |
| L/Min | 186    |



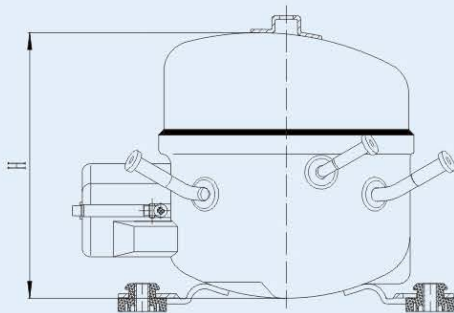
## DF Style



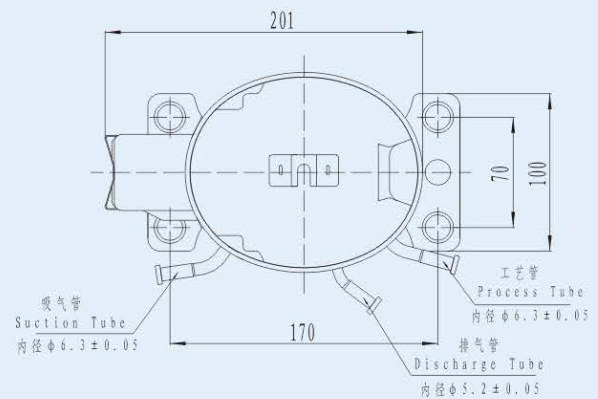
| 压缩机   | H (mm) |
|-------|--------|
| F/Max | 178    |
| F/Min | 165    |



## DM Style



| 压缩机   | H (mm) |
|-------|--------|
| M/Max | 163    |
| M/Min | 152    |



## DV compressor

**DV系列**  
**LBP**  
**R134a**

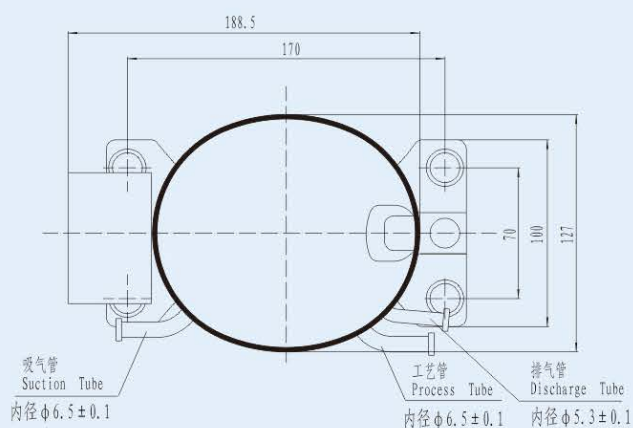
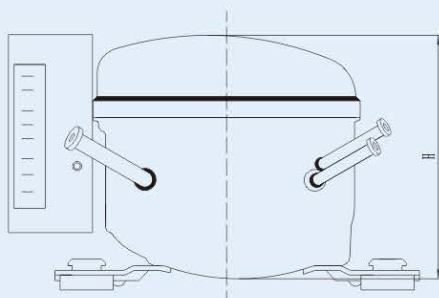
### R134a直流压缩机技术参数

Technical Data of  
DV series R134a Compressor(12/24V)

| 系列<br>Serial | 型号<br>Model | 冷却方式<br>Cooling Type | 工作容积<br>Displacement<br>(cm3) | 转速<br>Rotate Speed<br>(rpm) | 制冷量 Capacity   |        |       | 性能系数 Efficiency |     | 注油量<br>Oil charge<br>( ml ) | 电源<br>Power Supply |
|--------------|-------------|----------------------|-------------------------------|-----------------------------|----------------|--------|-------|-----------------|-----|-----------------------------|--------------------|
|              |             |                      |                               |                             | -23.3℃(ASHRAE) |        |       | COP             | EER |                             |                    |
|              |             |                      |                               |                             | W              | Kcal/h | Btu/h |                 |     |                             |                    |
| DV           | LZVDV25HHK  | F                    | 2.5                           | 2000                        | 44.5           | 38.3   | 151.7 | 1.08            | 3.7 | 160                         | 12-24V(DV)         |
|              |             |                      |                               | 2500                        | 54.5           | 46.9   | 185.8 | 1.05            | 3.6 |                             |                    |
|              |             |                      |                               | 3000                        | 63.5           | 54.6   | 216.5 | 1.06            | 3.6 |                             |                    |
|              |             |                      |                               | 3500                        | 73.3           | 63.0   | 250.0 | 1.04            | 3.5 |                             |                    |
|              | LZVDV30HHK  |                      | 3.0                           | 2000                        | 52.6           | 45.2   | 179.4 | 1.04            | 3.5 |                             |                    |
|              |             |                      |                               | 2500                        | 64.8           | 55.7   | 221.0 | 1.06            | 3.6 |                             |                    |
|              |             |                      |                               | 3000                        | 76             | 65.4   | 259.2 | 1.06            | 3.6 |                             |                    |
|              |             |                      |                               | 3500                        | 88             | 75.7   | 300.1 | 1.04            | 3.5 |                             |                    |
|              | LZVDV35HHK  |                      | 3.5                           | 2000                        | 61.2           | 52.6   | 208.7 | 1.08            | 3.7 |                             |                    |
|              |             |                      |                               | 2500                        | 73.4           | 63.1   | 250.3 | 1.06            | 3.6 |                             |                    |
|              |             |                      |                               | 3000                        | 87.6           | 75.3   | 298.7 | 1.06            | 3.6 |                             |                    |
|              |             |                      |                               | 3500                        | 102.3          | 88.0   | 348.8 | 1.05            | 3.6 |                             |                    |

## DV Style

| 压缩机    | H (mm) |
|--------|--------|
| ZW/Max | 140    |
| ZW/Min | 133    |





NINGBO HAOLIANG REFRIGERATION EQUIPMENT CO., LTD.  
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