

Mbsm.pro, GQR90U, SIKELAN, R290,  
220V, 1/2 hp, Lbp

Category: compressor

written by Lilianne | 17 September 2022



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#GQR90U

#### 1. Product Performance

- 1)GQR90U, MX series, use R290 refrigerant;
- 2)Voltage application 220V to 240V;
- 3)Frequency for 50/60HZ;
- 4)Motor type: RSIR;

- 5)Cooling type: ST;
- 6)Starting device is PTC / CURRENT Relay;
- 7)Application: LOW Back Pressure;
- 8)Nominal power is 1/2-HP;
- 9)COP is 1.45 with the cooling capacity 455W.

Basing on Test Condition(ASHRAE)

Evaporating Temperature: -23.3 degree

Ambient Temperature: 32.2 degree

Subcooling Temperature: 32.2 degree

Condensing Temperature: 54.4 degree

Suction Temperature: 32.2 degree

MODEL L / QD25HG L / QD30HG L / QD35HG L / ADW43 L / ADW57 L / ADW57 MS / ADW43 MS / ADW43 MS / ADW57 MS / ADW66 MS / ADW77 MS / ADW86 MS / ADW91 MK / ADW66 MK / ADW77 MK / ADW86 MK / ADW91 MK ADW110 WQ / ADW91 WQ / ADW110 WQ / ADW128 WQ / ADW142 WQ / ADW153 MODEL L/ QD25HG L/ QD30HG L/ QD35HG XL/ ADW43 XL/ ADW51 ML/ ADW51 ML/ ADW57 ML/ ADW66 ML/ ADW77 MX/ ADW66 MX/ ADW77 MX/ ADW86 MX/ ADW91 MX/ ADW110 MQ/ ADW91 MQ/ ADW110 MQ/ ADW128 MQ/ ADW142 MQ/ ADW153 MQ/ ADW168 MODEL L/ QD25HV L/ QD30HV XL/ QD35HV XL/ ADW43HV ML/ ADW51HV ML/ ADW57HV ML/ ADW66HV MX/ ADW57HV MX/ ADW66HV MX/ ADW77HV MX/ ADW86HV MX/ ADW91HV MQ/ADW91HV MQ/ADW110HV MQ/ADW128HV MQ/ADW142HV MQ/ADW153HV MODEL XL/ GQR30TG XL/ GQR35TG XL/ GQR45TG ML/ GQR55TG ML/ GQR60TG ML/ GQR70TG MQ/ GQR80TG MQ/ GQR90TG MQ/ GQR11TG MQ/ GQR12TG MQ/ GQR14TG MQ/ GQR16TG MD/ GQR12TG MD/ GQR14TG MD/ GQR16TG MD/ GQR19TG MODEL XL/ GQR30TC XL/ GQR35TC XL/ GQR45TC ML/ GQR55TC ML/ GQR60TC ML/ GQR70TC MQ/ GQR80TC MQ/ GQR90TC MQ/ GQR11TC MD/ GQR12TC MD/ GQR14TC MD/ GQR16TC MODEL XL/ GQR30TZ XL/ GQR35TZ XL/ GQR45TZ ML/ GQR55TZ ML/ GQR60TZ ML/ GQR70TZ MX/ GQR80TZ MX/ GQR90TZ MQ/ GQR80TZ MQ/ GQR90TZ MQ/ GQR11TZ MQ/ GQR12TZ MQ/ GQR14TZ MD/ GQR14TZ MD/ GQR16TZ MODEL L/ QD35YG L/ QD43YG L/ QD53YG L/ QD65YG L/ QD69YG L/ QD75YG ML/ QD75YG ML/ QD85YG ML/ QD91YG ML/ QD103YG ML/ QD110YG MX/ QD85YG MX/ QD91YG MX/ QD103YG MX/ QD110YG MX/ QD128YG MQ/ QD128YG MQ/ QD142YG MQ/ QD153YG MODEL L/ QD35YV L/ QD43YV L/ QD53YV ML/ QD69YV ML/ QD75YV ML/ QD85YV ML/ QD91YV MX/ QD60YV MX/ QD65YV MX/ QD75YV MX/ QD85YV MX/ QD91YV MX/ QD103YV MX/ QD110YV MX/ QD126YV MQ/ QD128YV MQ/ QD142YV MQ/ QD153YV MX/ QD53YVV MX/ QD60YVV MX/ QD65YVV MX/ QD69YVV MX/ QD75YVV MX/ QD85YVV MX/ QD91YVV MX/ QD103YVV MX/ QD110YVV MX/ QD128YVV MODEL XL/ GQR30U ML/ GQR45U ML/ GQR55U ML/ GQR60U MX/ GQR70U MX/ GQR80U MQ/ GQR80U MQ/ GQR90U MQ/ GQR11U MQ/ GQR12U MQ/ GQR14U MD/ GQR14U MD/ GQR16U MD/ GQR19U L/ GQR30U G ML/ GQR45U G ML/ GQR55U G MX/ GQR60U G MX/ GQR70U G

| 220 / 240 / 50/60HZ |              |         |         |                  |        |       |       |          |                     |                |            |                 | MODEL |              |
|---------------------|--------------|---------|---------|------------------|--------|-------|-------|----------|---------------------|----------------|------------|-----------------|-------|--------------|
| مكثف التبريد        | مكثف التبريد | التريون | التطبيق | COOLING CAPACITY |        |       |       |          | الإزاحة<br>Displ.CC | الأحبار<br>RLA | Freq<br>HZ | القدرة المسحوبة |       |              |
|                     |              |         |         | W 7.2+           | W -6.7 | W -23 | B T U | k CAL/HR |                     |                |            | W               | H P   |              |
|                     |              | R404a   | L/MBP   |                  |        | 244   | 832   | 210      | 4.5                 | 1.20           | 50         |                 | 1/5   | ML/ GQR45K   |
|                     |              | R404a   | L/MBP   |                  |        | 305   | 1041  | 262      | 5.5                 | 1.40           | 50         |                 | 1/4   | ML/ GQR55K   |
|                     |              | R404a   | L/MBP   |                  |        | 365   | 1245  | 314      | 6.0                 | 1.50           | 50         |                 | 1/3   | MX/ GQR60K   |
|                     |              | R404a   | L/MBP   |                  |        | 395   | 1348  | 340      | 7.0                 | 1.70           | 50         |                 | 1/3   | MQ/ GQR70K   |
|                     |              | R404a   | L/MBP   |                  |        | 465   | 1587  | 400      | 8.0                 | 1.80           | 50         |                 | 1/3+  | MQ/ GQR80K   |
|                     |              | R404a   | L/MBP   |                  |        | 515   | 1757  | 443      | 9.0                 | 1.90           | 50         |                 | 1/2-  | MQ/ GQR90K   |
|                     |              | R404a   | L/MBP   |                  |        | 565   | 1928  | 486      | 11.0                | 2.20           | 50         |                 | 1/2   | MQ/ GQR11K   |
|                     |              | R404a   | L/MBP   |                  |        | 640   | 2184  | 550      | 12.1                | 3.50           | 50         |                 | 3/4   | MD/ GQR12K   |
|                     | 10           | R404a   | L/MBP   |                  |        | 750   | 2559  | 645      | 14.3                | 3.50           | 50         |                 | 3/4   | MD/ GQR14K   |
|                     | 10           | R404a   | L/MBP   |                  |        | 850   | 2900  | 731      | 16.2                | 4.50           | 50         |                 | 4/5   | MD/ GQR16K   |
|                     | 10           | R404a   | L/MBP   |                  |        | 920   | 3139  | 791      | 19.0                | 4.50           | 50         |                 | 7/8   | MD/ GQR19K   |
|                     | 10           | R404a   | M/HBP   | 1895             |        |       | 6465  | 1629     | 12.1                | 4.15           | 50         |                 | 1/2+  | MD/ GQR12K G |
|                     | 10           | R404a   | M/HBP   | 2180             |        |       | 7438  | 1874     | 14.3                | 5.20           | 50         |                 | 1/2+  | MD/ GQR14K G |
|                     | 10           | R404a   | M/HBP   | 2390             |        |       | 8154  | 2055     | 16.2                | 6.40           | 50         |                 | 3/4   | MD/ GQR16K G |

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| 220 / 240 / 50/60HZ |              |         |         |                  |        |       |       |          |                     |                |            |                 | MODEL |             |
|---------------------|--------------|---------|---------|------------------|--------|-------|-------|----------|---------------------|----------------|------------|-----------------|-------|-------------|
| مكثف التبريد        | مكثف التبريد | التريون | التطبيق | COOLING CAPACITY |        |       |       |          | الإزاحة<br>Displ.CC | الأحبار<br>RLA | Freq<br>HZ | القدرة المسحوبة |       |             |
|                     |              |         |         | W 7.2+           | W -6.7 | W -23 | B T U | k CAL/HR |                     |                |            | W               | H P   |             |
|                     |              | R600a   | LBP     |                  |        | 56    | 191   | 48       | 3.5                 | 0.30           | 50-60      |                 | 0     | L/ QD35YV   |
|                     |              | R600a   | LBP     |                  |        | 75    | 256   | 64       | 4.3                 | 0.32           | 50-60      |                 | 0     | L/ QD43YV   |
|                     |              | R600a   | LBP     |                  |        | 85    | 290   | 73       | 5.3                 | 0.40           | 50-60      |                 | 1/9   | L/ QD53YV   |
|                     |              | R600a   | LBP     |                  |        | 110   | 375   | 95       | 6.5                 | 0.45           | 50-60      |                 | 1/7   | L/ QD65YV   |
|                     |              | R600a   | LBP     |                  |        | 120   | 409   | 103      | 6.9                 | 0.50           | 50-60      |                 | 1/7+  | ML/ QD69YV  |
|                     |              | R600a   | LBP     |                  |        | 130   | 444   | 112      | 7.5                 | 0.55           | 50-60      |                 | 1/6-  | ML/ QD75YV  |
|                     |              | R600a   | LBP     |                  |        | 145   | 495   | 125      | 8.5                 | 0.60           | 50-60      |                 | 1/6   | ML/ QD85YV  |
|                     |              | R600a   | LBP     |                  |        | 155   | 529   | 133      | 9.1                 | 0.65           | 50-60      |                 | 1/5   | ML/ QD91YV  |
|                     |              | R600a   | LBP     |                  |        | 105   | 358   | 90       | 6.0                 | 0.34           | 50-60      |                 | 1/7-  | MX/ QD60YV  |
|                     |              | R600a   | LBP     |                  |        | 110   | 375   | 95       | 6.5                 | 0.36           | 50-60      |                 | 1/7   | MX/ QD65YV  |
|                     |              | R600a   | LBP     |                  |        | 130   | 444   | 112      | 7.5                 | 0.38           | 50-60      |                 | 1/6-  | MX/ QD75YV  |
|                     |              | R600a   | LBP     |                  |        | 145   | 495   | 125      | 8.5                 | 0.40           | 50-60      |                 | 1/6   | MX/ QD85YV  |
|                     |              | R600a   | LBP     |                  |        | 155   | 529   | 133      | 9.1                 | 0.45           | 50-60      |                 | 1/5   | MX/ QD91YV  |
|                     |              | R600a   | LBP     |                  |        | 168   | 573   | 144      | 10.3                | 0.48           | 50-60      |                 | 1/4-  | MX/ QD103YV |
|                     |              | R600a   | LBP     |                  |        | 185   | 631   | 159      | 11.0                | 0.52           | 50-60      |                 | 1/4   | MX/ QD110YV |
|                     |              | R600a   | LBP     |                  |        | 220   | 751   | 189      | 12.6                | 0.65           | 50-60      |                 | 1/3-  | MX/ QD126YV |
|                     |              | R600a   | LBP     |                  |        | 220   | 751   | 189      | 12.8                | 0.70           | 50-60      |                 | 1/3-  | MQ/ QD128YV |
|                     |              | R600a   | LBP     |                  |        | 240   | 819   | 206      | 14.2                | 0.75           | 50-60      |                 | 1/3   | MQ/ QD142YV |
|                     |              | R600a   | LBP     |                  |        | 260   | 887   | 224      | 15.3                | 0.80           | 50-60      |                 | 1/3+  | MQ/ QD153YV |
|                     |              | R600a   | LBP     |                  |        | 88    | 300   | 76       | 5.3                 | 0.32           | 50-60      |                 | 1/9   | MX/ QD53YV  |
|                     |              | R600a   | LBP     |                  |        | 100   | 341   | 86       | 6.0                 | 0.34           | 50-60      |                 | 1/8   | MX/ QD60YV  |
|                     |              | R600a   | LBP     |                  |        | 110   | 375   | 95       | 6.5                 | 0.36           | 50-60      |                 | 1/7   | MX/ QD65YV  |
|                     |              | R600a   | LBP     |                  |        | 118   | 403   | 101      | 6.9                 | 0.38           | 50-60      |                 | 1/7+  | MX/ QD69YV  |
|                     |              | R600a   | LBP     |                  |        | 125   | 426   | 107      | 7.5                 | 0.42           | 50-60      |                 | 1/6-  | MX/ QD75YV  |
|                     |              | R600a   | LBP     |                  |        | 145   | 495   | 125      | 8.5                 | 0.46           | 50-60      |                 | 1/6   | MX/ QD85YV  |
|                     |              | R600a   | LBP     |                  |        | 155   | 529   | 133      | 9.1                 | 0.52           | 50-60      |                 | 1/5   | MX/ QD91YV  |
|                     |              | R600a   | LBP     |                  |        | 168   | 573   | 144      | 10.3                | 0.58           | 50-60      |                 | 1/4-  | MX/ QD103YV |
|                     |              | R600a   | LBP     |                  |        | 185   | 631   | 159      | 11.0                | 0.62           | 50-60      |                 | 1/4   | MX/ QD110YV |
|                     |              | R600a   | LBP     |                  |        | 215   | 734   | 185      | 12.8                | 0.65           | 50-60      |                 | 1/3-  | MX/ QD128YV |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |       |       |          |                     |                |            |                 | MODEL |              |
|---------------------|--------------|---------|---------|------------------|--------|-------|-------|----------|---------------------|----------------|------------|-----------------|-------|--------------|
| مكثف التبريد        | مكثف التبريد | التريون | التطبيق | COOLING CAPACITY |        |       |       |          | الإزاحة<br>Displ.CC | الأحبار<br>RLA | Freq<br>HZ | القدرة المسحوبة |       |              |
|                     |              |         |         | W 7.2+           | W -6.7 | W -23 | B T U | k CAL/HR |                     |                |            | W               | H P   |              |
|                     |              | R290    | L/MBP   |                  |        | 80    | 273   | 69       | 3.0                 | 0.70           | 50         |                 | 1/12+ | XL/ GQR30U   |
|                     |              | R290    | L/MBP   |                  |        | 208   | 710   | 179      | 4.5                 | 0.90           | 50         |                 | 1/5   | ML/ GQR45U   |
|                     |              | R290    | L/MBP   |                  |        | 230   | 785   | 198      | 5.5                 | 1.20           | 50         |                 | 1/4   | ML/ GQR55U   |
|                     |              | R290    | L/MBP   |                  |        | 280   | 955   | 241      | 6.5                 | 1.30           | 50         |                 | 1/3   | ML/ GQR60U   |
|                     |              | R290    | L/MBP   |                  |        | 320   | 1092  | 275      | 7.0                 | 1.40           | 50         |                 | 1/3   | MX/ GQR70U   |
|                     |              | R290    | L/MBP   |                  |        | 360   | 1228  | 310      | 8.0                 | 1.70           | 50         |                 | 1/3+  | MX/ GQR80U   |
|                     |              | R290    | L/MBP   |                  |        | 400   | 1365  | 344      | 8.0                 | 1.70           | 50         |                 | 1/3+  | MQ/ GQR80U   |
|                     |              | R290    | L/MBP   |                  |        | 450   | 1535  | 387      | 9.0                 | 1.90           | 50         |                 | 1/2-  | MQ/ GQR90U   |
|                     |              | R290    | L/MBP   |                  |        | 500   | 1706  | 430      | 11.0                | 2.00           | 50         |                 | 1/2   | MQ/ GQR11U   |
|                     |              | R290    | L/MBP   |                  |        | 550   | 1877  | 473      | 12.0                | 2.60           | 50         |                 | 1/2+  | MQ/ GQR12U   |
|                     |              | R290    | L/MBP   |                  |        | 650   | 2218  | 559      | 14.3                | 3.00           | 50         |                 | 3/4   | MQ/ GQR14U   |
|                     |              | R290    | L/MBP   |                  |        | 650   | 2218  | 559      | 14.3                | 3.30           | 50         |                 | 3/4   | MD/ GQR14U   |
|                     |              | R290    | L/MBP   |                  |        | 740   | 2525  | 636      | 16.20               | 3.50           | 50         |                 | 3/4   | MD/ GQR16U   |
|                     |              | R290    | L/MBP   |                  |        | 790   | 2695  | 679      | 19.0                | 3.80           | 50         |                 | 4/5   | MD/ GQR19U   |
|                     |              | R290    | M/HBP   | 420              |        |       | 1433  | 361      | 3.0                 | 0.80           | 50         |                 | 1/9-  | L/ GQR30U G  |
|                     |              | R290    | M/HBP   | 540              |        |       | 1842  | 464      | 4.5                 | 1.25           | 50         |                 | 1/6   | ML/ GQR45U G |
|                     |              | R290    | M/HBP   | 680              |        |       | 2320  | 585      | 5.5                 | 1.55           | 50         |                 | 1/5   | ML/ GQR55U G |
|                     |              | R290    | M/HBP   | 840              |        |       | 2866  | 722      | 6.0                 | 1.75           | 50         |                 | 1/4   | MX/ GQR60U G |
|                     |              | R290    | M/HBP   | 1000             |        |       | 3412  | 860      | 7.0                 | 2.40           | 50         |                 | 1/3-  | MX/ GQR70U G |
|                     |              | R290    | M/HBP   | 1150             |        |       | 3924  | 989      | 8.0                 | 2.40           | 50         |                 | 3/8   | MQ/ GQR80U G |
|                     |              | R290    | M/HBP   | 1280             |        |       | 4367  | 1101     | 9.0                 | 2.70           | 50         |                 | 3/8+  | MQ/ GQR90U G |

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|              |              | 220 / 240 / 50/60HZ |         |                  |        |       |                   |                     |                |            |                 | MODEL |             |
|--------------|--------------|---------------------|---------|------------------|--------|-------|-------------------|---------------------|----------------|------------|-----------------|-------|-------------|
| مكاف التبريد | مكاف التسخين | البريون             | التطبيق | COOLING CAPACITY |        |       |                   | الإراحة<br>Displ.CC | الأمبير<br>RLA | Freq<br>HZ | القدرة المسجوبة |       |             |
|              |              |                     |         | W 7.2+           | W -6.7 | W -23 | B T U<br>k CAL/HR |                     |                |            | W               |       | H P         |
|              |              | R134a               | M/HBP   | 165              |        | 563   | 142               | 3.0                 | 0.78           | 50         |                 | 0     | XL/ QQR30TZ |
|              |              | R134a               | M/HBP   | 195              |        | 665   | 168               | 3.5                 | 0.85           | 50         |                 | 1/9   | XL/ QQR35TZ |
|              |              | R134a               | M/HBP   | 265              |        | 904   | 228               | 4.5                 | 0.97           | 50         |                 | 1/6   | XL/ QQR45TZ |
|              |              | R134a               | M/HBP   | 297              |        | 1013  | 255               | 5.5                 | 1.05           | 50         |                 | 1/6+  | ML/ QQR55TZ |
|              |              | R134a               | M/HBP   | 410              |        | 1399  | 353               | 6.5                 | 1.44           | 50         |                 | 1/4   | ML/ QQR60TZ |
|              |              | R134a               | M/HBP   | 455              |        | 1552  | 391               | 7.0                 | 1.45           | 50         |                 | 1/4   | ML/ QQR70TZ |
|              |              | R134a               | M/HBP   | 520              |        | 1774  | 447               | 8.0                 | 1.54           | 50         |                 |       | MX/ QQR80TZ |
|              |              | R134a               | M/HBP   | 595              |        | 2030  | 512               | 9.1                 | 1.83           | 50         |                 |       | MX/ QQR90TZ |
| 80           |              | R134a               | M/HBP   | 520              |        | 1774  | 447               | 8.0                 | 1.95           | 50         |                 | 1/4+  | MQ/ QQR80TZ |
| 80           |              | R134a               | M/HBP   | 595              |        | 2030  | 512               | 9.1                 | 2.23           | 50         |                 | 1/3-  | MQ/ QQR90TZ |
| 80           |              | R134a               | M/HBP   | 680              |        | 2320  | 585               | 11.0                | 2.60           | 50         |                 | 3/8   | MQ/ QQR11TZ |
| 80           |              | R134a               | M/HBP   | 765              |        | 2610  | 658               | 12.8                | 2.67           | 50         |                 | 3/8+  | MQ/ QQR12TZ |
| 80           |              | R134a               | M/HBP   | 845              |        | 2883  | 727               | 14.2                | 2.82           | 50         |                 | 1/2   | MQ/ QQR14TZ |
| 80           | 10           | R134a               | M/HBP   | 845              |        | 2883  | 727               | 14.2                | 2.82           | 50         |                 | 1/2   | MD/ QQR14TZ |
| 80           | 10           | R134a               | M/HBP   | 960              |        | 3275  | 825               | 15.3                | 3.24           | 50         |                 | 1/2+  | MD/ QQR16TZ |

|              |              | 220 / 240 / 50/60HZ |         |                  |        |       |                   |                     |                |            |                 | MODEL |      |             |
|--------------|--------------|---------------------|---------|------------------|--------|-------|-------------------|---------------------|----------------|------------|-----------------|-------|------|-------------|
| مكاف التبريد | مكاف التسخين | البريون             | التطبيق | COOLING CAPACITY |        |       |                   | الإراحة<br>Displ.CC | الأمبير<br>RLA | Freq<br>HZ | القدرة المسجوبة |       |      |             |
|              |              |                     |         | W 7.2+           | W -6.7 | W -23 | B T U<br>k CAL/HR |                     |                |            | W               |       | H P  |             |
|              |              | R600a               | LBP     |                  |        | 56    | 191               | 48                  | 3.5            | 0.38       | 50-60           |       | 0    | L/ QD35YG   |
|              |              | R600a               | LBP     |                  |        | 75    | 256               | 64                  | 4.3            | 0.45       | 50-60           |       | 0    | L/ QD43YG   |
|              |              | R600a               | LBP     |                  |        | 85    | 290               | 73                  | 5.3            | 0.50       | 50-60           |       | 1/9  | L/ QD53YG   |
|              |              | R600a               | LBP     |                  |        | 110   | 375               | 95                  | 6.5            | 0.55       | 50-60           |       | 1/7  | L/ QD65YG   |
|              |              | R600a               | LBP     |                  |        | 120   | 409               | 103                 | 6.9            | 0.60       | 50-60           |       | 1/7+ | L/ QD89YG   |
|              |              | R600a               | LBP     |                  |        | 130   | 444               | 112                 | 7.5            | 0.70       | 50-60           |       | 1/6- | L/ QD75YG   |
|              |              | R600a               | LBP     |                  |        | 130   | 444               | 112                 | 7.5            | 0.70       | 50-60           |       | 1/6- | ML/ QD75YG  |
|              |              | R600a               | LBP     |                  |        | 145   | 495               | 125                 | 8.5            | 0.75       | 50-60           |       | 1/6  | ML/ QD85YG  |
|              |              | R600a               | LBP     |                  |        | 155   | 529               | 133                 | 9.1            | 0.80       | 50-60           |       | 1/5  | ML/ QD91YG  |
|              |              | R600a               | LBP     |                  |        | 168   | 573               | 144                 | 10.3           | 0.85       | 50-60           |       | 1/4- | ML/ QD103YG |
|              |              | R600a               | LBP     |                  |        | 190   | 648               | 163                 | 11.0           | 0.95       | 50-60           |       | 1/4  | ML/ QD110YG |
|              |              | R600a               | LBP     |                  |        | 148   | 505               | 127                 | 8.5            | 0.75       | 50-60           |       | 1/6  | MX/ QD85YG  |
|              |              | R600a               | LBP     |                  |        | 158   | 539               | 136                 | 9.1            | 0.70       | 50-60           |       | 1/5  | MX/ QD91YG  |
|              |              | R600a               | LBP     |                  |        | 170   | 580               | 146                 | 10.3           | 0.85       | 50-60           |       | 1/4- | MX/ QD103YG |
|              |              | R600a               | LBP     |                  |        | 190   | 648               | 163                 | 11.0           | 0.95       | 50-60           |       | 1/4  | MX/ QD110YG |
|              |              | R600a               | LBP     |                  |        | 215   | 734               | 185                 | 12.8           | 1.05       | 50-60           |       | 1/3- | MX/ QD128YG |
|              |              | R600a               | LBP     |                  |        | 220   | 751               | 189                 | 12.8           | 1.05       | 50-60           |       | 1/3- | MQ/ QD128YG |
|              |              | R600a               | LBP     |                  |        | 240   | 819               | 206                 | 14.2           | 1.15       | 50-60           |       | 1/3  | MQ/ QD142YG |
|              |              | R600a               | LBP     |                  |        | 260   | 887               | 224                 | 15.3           | 1.25       | 50-60           |       | 1/3+ | MQ/ QD153YG |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |      |       |          |         |         |       |                 |      |             |
|---------------------|--------------|---------|---------|------------------|--------|------|-------|----------|---------|---------|-------|-----------------|------|-------------|
| حافظ التبريد        | حافظ التسخين | التبريد | التطبيق | COOLING CAPACITY |        |      |       |          | الإزاحة | الأمبير | Freq  | القدرة المسنونة |      | MODEL       |
|                     |              |         |         | W 7.2+           | W -6.7 | W-23 | B T U | k CAL/HR |         |         |       | Displ.CC        | RLA  |             |
|                     | 3            | R134a   | LBP     |                  |        | 55   | 188   | 47       | 2.5     | 0.55    | 50-60 |                 |      | L/ QD25HV   |
|                     | 3            | R134a   | LBP     |                  |        | 65   | 222   | 56       | 3.0     | 0.63    | 50-60 |                 |      | L/ QD30HV   |
|                     | 3            | R134a   | LBP     |                  |        | 75   | 256   | 64       | 3.5     | 0.68    | 50-60 |                 |      | XL/ QD35HV  |
|                     | 4            | R134a   | LBP     |                  |        | 110  | 375   | 95       | 4.3     | 0.65    | 50-60 |                 | 1/6- | XL/ ADW43HV |
|                     | 4            | R134a   | LBP     |                  |        | 125  | 426   | 107      | 5.1     | 0.70    | 50-60 |                 | 1/6  | ML/ ADW51HV |
|                     | 4            | R134a   | LBP     |                  |        | 135  | 461   | 116      | 5.7     | 0.60    | 50-60 |                 | 1/5- | ML/ ADW57HV |
|                     | 4            | R134a   | LBP     |                  |        | 165  | 563   | 142      | 6.6     | 0.65    | 50-60 |                 | 1/4- | ML/ ADW66HV |
|                     | 4            | R134a   | LBP     |                  |        | 140  | 478   | 120      | 5.7     | 0.58    | 50-60 |                 | 1/5- | MX/ ADW57HV |
|                     | 4            | R134a   | LBP     |                  |        | 170  | 580   | 146      | 6.6     | 0.62    | 50-60 |                 | 1/4- | MX/ ADW66HV |
|                     | 4            | R134a   | LBP     |                  |        | 190  | 648   | 163      | 7.7     | 0.68    | 50-60 |                 | 1/4  | MX/ ADW77HV |
|                     | 4            | R134a   | LBP     |                  |        | 230  | 785   | 198      | 8.6     | 0.76    | 50-60 |                 | 1/3- | MX/ ADW86HV |
|                     | 4            | R134a   | LBP     |                  |        | 235  | 802   | 202      | 9.1     | 0.82    | 50-60 |                 | 1/3- | MX/ ADW91HV |
|                     | 5            | R134a   | LBP     |                  |        | 220  | 751   | 189      | 9.1     | 0.85    | 50-60 |                 | 1/3- | MQ/ADW91HV  |
|                     | 5            | R134a   | LBP     |                  |        | 270  | 921   | 232      | 11.0    | 0.95    | 50-60 |                 | 3/8  | MQ/ADW110HV |
| 80                  | 5            | R134a   | LBP     |                  |        | 320  | 1092  | 275      | 12.8    | 1.20    | 50-60 |                 | 3/8+ | MQ/ADW128HV |
| 80                  | 5            | R134a   | LBP     |                  |        | 350  | 1194  | 301      | 14.2    | 1.35    | 50-60 |                 | 1/2- | MQ/ADW142HV |
| 80                  | 5            | R134a   | LBP     |                  |        | 380  | 1297  | 327      | 15.3    | 1.55    | 50-60 |                 | 1/2  | MQ/ADW153HV |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |      |       |          |         |         |      |                 |      |             |
|---------------------|--------------|---------|---------|------------------|--------|------|-------|----------|---------|---------|------|-----------------|------|-------------|
| حافظ التبريد        | حافظ التسخين | التبريد | التطبيق | COOLING CAPACITY |        |      |       |          | الإزاحة | الأمبير | Freq | القدرة المسنونة |      | MODEL       |
|                     |              |         |         | W 7.2+           | W -6.7 | W-23 | B T U | k CAL/HR |         |         |      | Displ.CC        | RLA  |             |
|                     |              | R134a   | M/HBP   | 245              |        |      | 836   | 211      | 3.0     | 0.90    | 50   |                 | 0    | XL/ GQR30TG |
|                     |              | R134a   | M/HBP   | 385              |        |      | 1314  | 331      | 3.5     | 1.10    | 50   |                 | 1/9  | XL/ GQR35TG |
|                     |              | R134a   | M/HBP   | 450              |        |      | 1535  | 387      | 4.5     | 1.20    | 50   |                 | 1/6  | XL/ GQR45TG |
|                     |              | R134a   | M/HBP   | 525              |        |      | 1791  | 451      | 5.5     | 1.30    | 50   |                 | 1/6+ | ML/ GQR55TG |
|                     |              | R134a   | M/HBP   | 665              |        |      | 2269  | 572      | 6.5     | 1.70    | 50   |                 | 1/4  | ML/ GQR60TG |
|                     |              | R134a   | M/HBP   | 720              |        |      | 2457  | 619      | 7.0     | 1.90    | 50   |                 | 1/4  | ML/ GQR70TG |
| 80                  | 15           | R134a   | M/HBP   | 880              |        |      | 3002  | 757      | 8.3     | 2.15    | 50   |                 | 1/4+ | MQ/ GQR80TG |
| 80                  | 15           | R134a   | M/HBP   | 990              |        |      | 3378  | 851      | 9.5     | 2.45    | 50   |                 | 1/3- | MQ/ GQR90TG |
| 80                  | 15           | R134a   | M/HBP   | 1180             |        |      | 4026  | 1015     | 11.4    | 2.20    | 50   |                 | 3/8  | MQ/ GQR11TG |
| 80                  | 15           | R134a   | M/HBP   | 1300             |        |      | 4435  | 1118     | 12.7    | 2.25    | 50   |                 | 3/8+ | MQ/ GQR12TG |
| 80                  | 15           | R134a   | M/HBP   | 1450             |        |      | 4947  | 1247     | 14.3    | 2.75    | 50   |                 | 1/2  | MQ/ GQR14TG |
| 80                  | 15           | R134a   | M/HBP   | 1490             |        |      | 5084  | 1281     | 15.3    | 2.80    | 50   |                 | 1/2+ | MQ/ GQR16TG |
| 80                  |              | R134a   | M/HBP   | 1270             |        |      | 4333  | 1092     | 12.1    | 2.60    | 50   |                 | 1/2  | MD/ GQR12TG |
| 80                  |              | R134a   | M/HBP   | 1432             |        |      | 4886  | 1231     | 14.3    | 2.80    | 50   |                 | 5/8  | MD/ GQR14TG |
| 80                  | 10           | R134a   | M/HBP   | 1524             |        |      | 5200  | 1310     | 16.1    | 3.00    | 50   |                 | 5/8  | MD/ GQR16TG |
| 80                  | 10           | R134a   | M/HBP   | 1645             |        |      | 5613  | 1414     | 18.4    | 3.60    | 50   |                 | 0.75 | MD/ GQR19TG |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |      |       |          |         |         |      |                 |      |             |
|---------------------|--------------|---------|---------|------------------|--------|------|-------|----------|---------|---------|------|-----------------|------|-------------|
| حافظ التبريد        | حافظ التسخين | التبريد | التطبيق | COOLING CAPACITY |        |      |       |          | الإزاحة | الأمبير | Freq | القدرة المسنونة |      | MODEL       |
|                     |              |         |         | W 7.2+           | W -6.7 | W-23 | B T U | k CAL/HR |         |         |      | Displ.CC        | RLA  |             |
|                     |              | R134a   | M/HBP   | 245              |        |      | 836   | 211      | 3.0     | 0.90    | 50   |                 | 0    | XL/ GQR30TC |
|                     |              | R134a   | M/HBP   | 385              |        |      | 1314  | 331      | 3.5     | 1.10    | 50   |                 | 1/9  | XL/ GQR35TC |
|                     |              | R134a   | M/HBP   | 450              |        |      | 1535  | 387      | 4.5     | 1.20    | 50   |                 | 1/6  | XL/ GQR45TC |
|                     |              | R134a   | M/HBP   | 575              |        |      | 1952  | 494      | 5.5     | 1.50    | 50   |                 | 1/6+ | ML/ GQR55TC |
|                     |              | R134a   | M/HBP   | 705              |        |      | 2405  | 606      | 6.5     | 1.90    | 50   |                 | 1/4  | ML/ GQR60TC |
|                     |              | R134a   | M/HBP   | 765              |        |      | 2610  | 658      | 7.0     | 2.10    | 50   |                 | 1/4  | ML/ GQR70TC |
| 80                  |              | R134a   | M/HBP   | 855              |        |      | 2917  | 735      | 8.0     | 2.20    | 50   |                 | 1/4+ | MQ/ GQR80TC |
| 80                  |              | R134a   | M/HBP   | 955              |        |      | 3258  | 821      | 9.0     | 2.30    | 50   |                 | 1/3- | MQ/ GQR90TC |
| 80                  |              | R134a   | M/HBP   | 1079             |        |      | 3681  | 928      | 11.0    | 2.90    | 50   |                 | 3/8  | MQ/ GQR11TC |
| 80                  |              | R134a   | M/HBP   | 1208             |        |      | 4122  | 1039     | 12.0    | 3.40    | 50   |                 | 3/8+ | MD/ GQR12TC |
| 80                  |              | R134a   | M/HBP   | 1365             |        |      | 4657  | 1174     | 14.0    | 3.60    | 50   |                 | 1/2  | MD/ GQR14TC |
| 80                  |              | R134a   | M/HBP   | 1535             |        |      | 5237  | 1320     | 16.0    | 4.00    | 50   |                 | 1/2+ | MD/ GQR16TC |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |       |                     |                |            |                 |          |       |      |             |
|---------------------|--------------|---------|---------|------------------|--------|-------|---------------------|----------------|------------|-----------------|----------|-------|------|-------------|
| مكاف التبريد        | مكاف التسخين | البريون | التطبيق | COOLING CAPACITY |        |       | الإزاحة<br>Displ.CC | الأمبير<br>RLA | Freq<br>HZ | القدرة المسحوبة |          | MODEL |      |             |
|                     |              |         |         | W 7.2+           | W -6.7 | W -23 |                     |                |            | B T U           | k CAL/HR |       | W    | H P         |
|                     |              | R134a   | LBP     |                  |        | 55    | 188                 | 47             | 2.5        | 0.6             | 50       | 52    | 0.08 | L / QD25HG  |
|                     |              | R134a   | LBP     |                  |        | 65    | 222                 | 56             | 3.0        | 0.6             | 50       | 62    | 0.08 | L / QD30HG  |
|                     |              | R134a   | LBP     |                  |        | 75    | 256                 | 64             | 3.5        | 0.7             | 50       | 71    | 0.09 | L / QD35HG  |
|                     |              | R134a   | LBP     |                  |        | 110   | 375                 | 95             | 4.3        | 1.0             | 50       | 100   | 1/6  | L / ADW43   |
|                     |              | R134a   | LBP     |                  |        | 125   | 426                 | 107            | 5.1        | 1.1             | 50       | 104   | 1/6  | L / ADW57   |
|                     |              | R134a   | LBP     |                  |        | 135   | 461                 | 116            | 5.7        | 1.2             | 50       | 112   | 1/5  | L / ADW57   |
|                     |              | R134a   | LBP     |                  |        | 110   | 375                 | 95             | 4.3        | 1.0             | 50       | 100   | 1/6  | MS / ADW43  |
|                     |              | R134a   | LBP     |                  |        | 125   | 426                 | 107            | 5.1        | 1.1             | 50       | 104   | 1/6  | MS / ADW43  |
|                     |              | R134a   | LBP     |                  |        | 135   | 461                 | 116            | 5.7        | 1.2             | 50       | 112   | 1/5  | MS / ADW57  |
|                     |              | R134a   | LBP     |                  |        | 165   | 563                 | 142            | 6.6        | 1.2             | 50       | 132   | 1/4  | MS / ADW66  |
|                     |              | R134a   | LBP     |                  |        | 185   | 631                 | 159            | 7.7        | 1.4             | 50       | 148   | 1/4  | MS / ADW77  |
|                     |              | R134a   | LBP     |                  |        | 200   | 682                 | 172            | 8.6        | 1.5             | 50       | 160   | 1/4+ | MS / ADW86  |
|                     |              | R134a   | LBP     |                  |        | 220   | 751                 | 189            | 9.1        | 1.7             | 50       | 176   | 1/3  | MS / ADW91  |
|                     |              | R134a   | LBP     |                  |        | 165   | 563                 | 142            | 6.6        | 1.2             | 50       | 132   | 1/4  | MK / ADW66  |
|                     |              | R134a   | LBP     |                  |        | 185   | 631                 | 159            | 7.7        | 1.4             | 50       | 148   | 1/4  | MK / ADW77  |
|                     |              | R134a   | LBP     |                  |        | 200   | 682                 | 172            | 8.6        | 1.5             | 50       | 160   | 1/4+ | MK / ADW86  |
|                     |              | R134a   | LBP     |                  |        | 220   | 751                 | 189            | 9.1        | 1.7             | 50       | 176   | 1/3  | MK / ADW91  |
|                     |              | R134a   | LBP     |                  |        | 270   | 921                 | 232            | 11.0       | 2.1             | 50       | 215   | 3/8  | MK ADW110   |
|                     |              | R134a   | LBP     |                  |        | 220   | 751                 | 189            | 9.1        | 1.7             | 50       | 176   | 1/3  | WQ / ADW91  |
|                     |              | R134a   | LBP     |                  |        | 270   | 921                 | 232            | 11.0       | 2.1             | 50       | 215   | 3/8  | WQ / ADW110 |
| 80                  |              | R134a   | LBP     |                  |        | 320   | 1092                | 275            | 12.8       | 2.3             | 50       | 256   | 3/8+ | WQ / ADW128 |
| 80                  |              | R134a   | LBP     |                  |        | 350   | 1194                | 301            | 14.2       | 2.6             | 50       | 280   | 1/2  | WQ / ADW142 |
| 80                  |              | R134a   | LBP     |                  |        | 380   | 1297                | 327            | 15.3       | 2.8             | 50       | 304   | 1/2  | WQ / ADW153 |

| 220 / 240 / 50/60HZ |              |         |         |                  |        |       |                     |                |            |                 |          |       |      |             |
|---------------------|--------------|---------|---------|------------------|--------|-------|---------------------|----------------|------------|-----------------|----------|-------|------|-------------|
| مكاف التبريد        | مكاف التسخين | البريون | التطبيق | COOLING CAPACITY |        |       | الإزاحة<br>Displ.CC | الأمبير<br>RLA | Freq<br>HZ | القدرة المسحوبة |          | MODEL |      |             |
|                     |              |         |         | W 7.2+           | W -6.7 | W -23 |                     |                |            | B T U           | k CAL/HR |       | W    | H P         |
|                     |              | R134a   | LBP     |                  |        | 55    | 188                 | 47             | 2.5        | 0.60            | 50-60    |       | 0.08 | L / QD25HG  |
|                     |              | R134a   | LBP     |                  |        | 65    | 222                 | 56             | 3.0        | 0.60            | 50-60    |       | 0.08 | L / QD30HG  |
|                     |              | R134a   | LBP     |                  |        | 75    | 256                 | 64             | 3.5        | 0.70            | 50-60    |       | 0.09 | L / QD35HG  |
|                     |              | R134a   | LBP     |                  |        | 110   | 375                 | 95             | 4.3        | 1.00            | 50-60    |       | 1/6- | XL / ADW43  |
|                     |              | R134a   | LBP     |                  |        | 125   | 426                 | 107            | 5.1        | 1.10            | 50-60    |       | 1/6  | XL / ADW51  |
|                     |              | R134a   | LBP     |                  |        | 125   | 426                 | 107            | 5.1        | 1.10            | 50-60    |       | 1/6  | ML / ADW51  |
|                     |              | R134a   | LBP     |                  |        | 135   | 461                 | 116            | 5.7        | 1.20            | 50-60    |       | 1/5- | ML / ADW57  |
|                     |              | R134a   | LBP     |                  |        | 165   | 563                 | 142            | 6.6        | 1.20            | 50-60    |       | 1/4- | ML / ADW66  |
|                     |              | R134a   | LBP     |                  |        | 185   | 631                 | 159            | 7.7        | 1.30            | 50-60    |       | 1/4  | ML / ADW77  |
|                     |              | R134a   | LBP     |                  |        | 165   | 563                 | 142            | 6.6        | 1.20            | 50-60    |       | 1/4- | MX / ADW86  |
|                     |              | R134a   | LBP     |                  |        | 185   | 631                 | 159            | 7.7        | 1.30            | 50-60    |       | 1/4  | MX / ADW77  |
|                     |              | R134a   | LBP     |                  |        | 200   | 682                 | 172            | 8.6        | 1.40            | 50-60    |       | 1/4+ | MX / ADW86  |
|                     |              | R134a   | LBP     |                  |        | 220   | 751                 | 189            | 9.1        | 1.40            | 50-60    |       | 1/3- | MX / ADW91  |
|                     |              | R134a   | LBP     |                  |        | 275   | 938                 | 236            | 11.0       | 1.40            | 50-60    |       | 1/3  | MX / ADW110 |
|                     |              | R134a   | LBP     |                  |        | 220   | 751                 | 189            | 9.1        | 1.20            | 50-60    |       | 1/3- | MQ / ADW81  |
|                     |              | R134a   | LBP     |                  |        | 270   | 921                 | 232            | 11.0       | 1.40            | 50-60    |       | 1/3  | MQ / ADW110 |
| 50                  |              | R134a   | LBP     |                  |        | 320   | 1092                | 275            | 12.8       | 1.80            | 50-60    |       | 3/8+ | MQ / ADW128 |
| 50                  |              | R134a   | LBP     |                  |        | 350   | 1194                | 301            | 14.2       | 1.90            | 50-60    |       | 1/2- | MQ / ADW142 |
| 50                  |              | R134a   | LBP     |                  |        | 380   | 1297                | 327            | 15.3       | 2.00            | 50-60    |       | 1/2  | MQ / ADW153 |
| 50                  |              | R134a   | LBP     |                  |        | 430   | 1467                | 370            | 16.8       | 2.20            | 50-60    |       | 1/2+ | MQ / ADW188 |



AN R290 Environme

**SIKELAN** **GQR90U**  
220-240V~50Hz 1PH

R290



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COOLING CAPACITY: 402W  
Zhejiang Mairi Refrigeration Technology Co., Ltd.

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