

# condensing unit

Performans garantili kondenser üniteleri  
Performance guaranteed condensing unit



- › Düşük ses seviyesi
- › Kolay bakım
- › Kaliteli, verimli ve güvenilir cihazlar
- › Model zenginliği
- › Her ihtiyaca uygun özel modeller
- › Kolay kurulum ve montaj
- › Zemin ya da duvar yerleşimi seçenekleri
- › Dış etkenlere karşı korumalı kapalı kasa

## TEKNİK SPESİFİKASYONLAR

- › Elektrostatik toz boyalı çelik galvaniz şase (RAL 7035)
- › Hermetik veya scroll kompresör
- › Karter ısıtıcı
- › Bakır boru alüminyum kanatlı kondenser
- › Altı kutuplu aksiyel fan
- › Dönüş vanası
- › Gözetleme camlı likit tankı
- › Filtre kurutucu
- › Yanmaz ısı ve ses izolasyonu
- › Likit hattı vanası
- › Manuel resetli kombine basınç otomatığı

## OPSİYONEL

- › Elektronik fan hız kontrolü

## ELEKTRİK KONTROL PANELİ

- › Ana şalter
- › Sigorta koruması
- › Termik koruması
- › Kompresör kontaktörü

- › Low noise level
- › Ease of maintenance
- › Quality, efficiency and reliability guaranteed
- › Available in wide range of models
- › Specific models for every type of application
- › Easy installation
- › Floor or wall placement choices
- › Weather protected housing

## TECHNICAL SPECIFICATIONS

- › Powder coated galvanized steel case (RAL 7035)
- › Hermetic or scroll compressor
- › Crankcase heater
- › Condenser coil in copper tube and aluminum fins
- › Axial fan with six poles
- › Suction Valve
- › Liquid receiver with sight glasses
- › Filter drier on liquid line
- › Fireproof insulation
- › Liquid line valve
- › Dual pressure switch with manual reset

## OPTIONAL

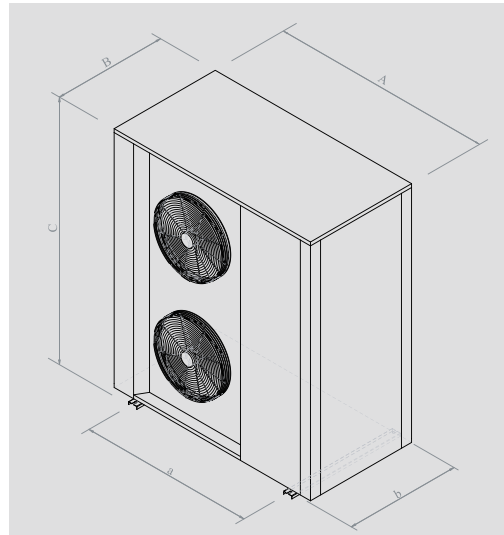
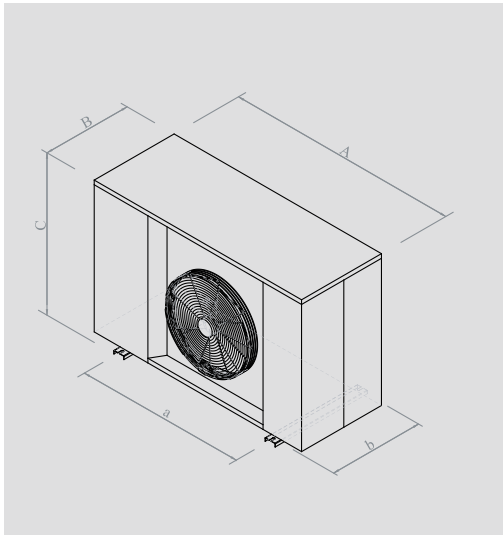
- › Electronic fan speed control

## ELECTRICAL CONTROL PANEL

- › Main isolator
- › Circuit breaker
- › Overload relay
- › Compressor contactor



BOYUTLAR / DIMENSIONS



## HIGH TEMPERATURE CONDENSING UNIT

| MODEL       | FANS (pcs.) | DIMENSION(mm) |     |      | NOISE (dB) | COMPR.   | FIXING (mm) |     | PIPING (mm) |       | RECEIVER (lt.) | WEIGHT (kg.) | VOLTAGE        | Im (A) |
|-------------|-------------|---------------|-----|------|------------|----------|-------------|-----|-------------|-------|----------------|--------------|----------------|--------|
|             |             | A             | B   | C    |            |          | a           | b   | liq.        | suct. |                |              |                |        |
| CUP 0,9 HTS | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 10          | 12    | 2              | 85           | 220 V/1~/50 Hz | 5,02   |
| CUP 1 HTS   | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 10          | 12    | 2              | 93           | 220 V/1~/50 Hz | 5,63   |
| CUP 1,8 HTS | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 10          | 12    | 4              | 97           | 220 V/1~/50 Hz | 8,09   |
| CUP 2 HTS   | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 10          | 12    | 4              | 95           | 220 V/1~/50 Hz | 8,76   |
| CUP 3 HTS   | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 10          | 16    | 4              | 98           | 220 V/1~/50 Hz | 12,45  |
| CUP 3 HSCS  | 1           | 1025          | 395 | 665  | 38         | Scroll   | 748         | 420 | 12          | 16    | 4              | 103          | 400 V/3~/50 Hz | 7,05   |
| CUP 4 HTS   | 1           | 1025          | 395 | 665  | 38         | Hermetic | 748         | 420 | 12          | 16    | 4              | 106          | 400 V/3~/50 Hz | 7,04   |
| CUP 4 HSCS  | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 12          | 18    | 7,5            | 179          | 400 V/3~/50 Hz | 7,82   |
| CUP 5 HTS   | 2           | 1165          | 600 | 1330 | 40         | Hermetic | 920         | 610 | 16          | 22    | 7,5            | 187          | 400 V/3~/50 Hz | 9,52   |
| CUP 5 HSCS  | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 16          | 22    | 7,5            | 180          | 400 V/3~/50 Hz | 9,47   |
| CUP 7 HTS   | 2           | 1165          | 600 | 1330 | 40         | Hermetic | 920         | 610 | 16          | 22    | 7,5            | 195          | 400 V/3~/50 Hz | 10,44  |
| CUP 6 HSCS  | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 16          | 22    | 7,5            | 189          | 400 V/3~/50 Hz | 10,62  |
| CUP 7 HSCS  | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 16          | 22    | 10             | 192          | 400 V/3~/50 Hz | 13,6   |
| CUP 9 HTS   | 2           | 1165          | 600 | 1330 | 40         | Hermetic | 920         | 610 | 16          | 28    | 10             | 198          | 400 V/3~/50 Hz | 13,42  |
| CUP 8 HSCS  | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 16          | 28    | 10             | 194          | 400 V/3~/50 Hz | 13,12  |
| CUP 10 HTS  | 2           | 1165          | 600 | 1330 | 40         | Hermetic | 920         | 610 | 18          | 28    | 10             | 198          | 400 V/3~/50 Hz | 14,92  |
| CUP 10 HSCS | 2           | 1165          | 600 | 1330 | 40         | Scroll   | 920         | 610 | 18          | 35    | 10             | 251          | 400 V/3~/50 Hz | 16,5   |

## LOW TEMPERATURE CONDENSING UNIT

| MODEL      | FANS (pcs.) | DIMENSION (mm) |     |      | NOISE (dB) | COMPR.   | FIXING(mm) |     | PIPING (mm) |       | RECEIVER (lt.) | WEIGHT (kg.) | VOLTAGE        | Im (A) |
|------------|-------------|----------------|-----|------|------------|----------|------------|-----|-------------|-------|----------------|--------------|----------------|--------|
|            |             | A              | B   | C    |            |          | a          | b   | liq.        | suct. |                |              |                |        |
| CUN 1 HTS  | 1           | 1025           | 395 | 665  | 38         | Hermetic | 748        | 420 | 10          | 12    | 4              | 96           | 220 V/1~/50 Hz | 6,32   |
| CUN 2 HTS  | 1           | 1025           | 395 | 665  | 38         | Hermetic | 748        | 420 | 10          | 16    | 4              | 96           | 220 V/1~/50 Hz | 8,26   |
| CUN 3 HTS  | 1           | 1025           | 395 | 665  | 38         | Hermetic | 748        | 420 | 10          | 16    | 4              | 106          | 400 V/3~/50 Hz | 4,37   |
| CUN 4 HTS  | 1           | 1025           | 395 | 665  | 38         | Hermetic | 748        | 420 | 12          | 18    | 4              | 107          | 400 V/3~/50 Hz | 5,41   |
| CUN 1 HSCS | 1           | 1025           | 395 | 665  | 38         | Scroll   | 748        | 420 | 12          | 18    | 4              | 104          | 400 V/3~/50 Hz | 6,31   |
| CUN 5 HTS  | 1           | 1025           | 395 | 665  | 38         | Hermetic | 748        | 420 | 12          | 18    | 4              | 118          | 400 V/3~/50 Hz | 7,61   |
| CUN 2 HSCS | 1           | 1025           | 395 | 665  | 40         | Scroll   | 748        | 420 | 12          | 18    | 4              | 105          | 400 V/3~/50 Hz | 7,55   |
| CUN 3 HSCS | 2           | 1165           | 600 | 1330 | 40         | Scroll   | 920        | 610 | 12          | 22    | 7,5            | 191          | 400 V/3~/50 Hz | 8,62   |
| CUN 6 HTS  | 2           | 1165           | 600 | 1330 | 40         | Hermetic | 920        | 610 | 16          | 28    | 7,5            | 197          | 400 V/3~/50 Hz | 10,03  |
| CUN 4 HSCS | 2           | 1165           | 600 | 1330 | 40         | Scroll   | 920        | 610 | 16          | 28    | 7,5            | 191          | 400 V/3~/50 Hz | 10,62  |
| CUN 5 HSCS | 2           | 1165           | 600 | 1330 | 40         | Scroll   | 920        | 610 | 16          | 28    | 10             | 194          | 400 V/3~/50 Hz | 12,62  |
| CUN 6 HSCS | 2           | 1165           | 600 | 1330 | 40         | Scroll   | 920        | 610 | 16          | 28    | 10             | 250          | 400 V/3~/50 Hz | 16,72  |
| CUN 7 HSCS | 2           | 1165           | 600 | 1330 | 40         | Scroll   | 920        | 610 | 16          | 35    | 10             | 250          | 400 V/3~/50 Hz | 22,92  |

## CAPACITY W (R 404 A)

| MODEL      | CAP.           | Amb. Temp. : 25°C |        |        |        | Amb. Temp. : 35°C |        |        |        |
|------------|----------------|-------------------|--------|--------|--------|-------------------|--------|--------|--------|
|            |                | T Evap.           |        |        |        | T Evap.           |        |        |        |
|            |                | -20 °C            | -25 °C | -30 °C | -35 °C | -20 °C            | -25 °C | -30 °C | -35 °C |
| CUN 1 HTS  | Q <sub>0</sub> | 1410              | 1102   | 863    | 689    | 1082              | 818    | 607    | 445    |
|            | P <sub>e</sub> | 1245              | 1143   | 1051   | 968    | 1325              | 1193   | 1067   | 946    |
| CUN 2 HTS  | Q <sub>0</sub> | 1869              | 1464   | 1139   | 889    | 1434              | 1087   | 801    | 574    |
|            | P <sub>e</sub> | 1622              | 1499   | 1384   | 1276   | 1728              | 1565   | 1405   | 1247   |
| CUN 3 HTS  | Q <sub>0</sub> | 2619              | 1936   | 1390   | 905    | 2001              | 1431   | 962    | 579    |
|            | P <sub>e</sub> | 2427              | 2220   | 1992   | 1757   | 2656              | 2343   | 2015   | 1695   |
| CUN 4 HTS  | Q <sub>0</sub> | 3722              | 2835   | 2146   | 1644   | 2857              | 2110   | 1520   | 1076   |
|            | P <sub>e</sub> | 2871              | 2583   | 2315   | 2069   | 3056              | 2696   | 2352   | 2023   |
| CUN 1 HSCS | Q <sub>0</sub> | 3700              | 3000   | 2390   | 1890   | 3100              | 2510   | 2010   | 1590   |
|            | P <sub>e</sub> | 2245              | 2145   | 2065   | 1995   | 2575              | 2485   | 2415   | 2355   |
| CUN 5 HTS  | Q <sub>0</sub> | 5244              | 3913   | 2864   | 2082   | 4023              | 2911   | 2030   | 1365   |
|            | P <sub>e</sub> | 4267              | 3791   | 3343   | 2924   | 4547              | 3957   | 3394   | 2859   |
| CUN 2 HSCS | Q <sub>0</sub> | 4600              | 3750   | 3000   | 2390   | 3850              | 3150   | 2510   | 1990   |
|            | P <sub>e</sub> | 2770              | 2650   | 2540   | 2460   | 3170              | 3050   | 2950   | 2870   |
| CUN 3 HSCS | Q <sub>0</sub> | 5400              | 4350   | 3450   | 2700   | 4450              | 3600   | 2860   | 2270   |
|            | P <sub>e</sub> | 3046              | 2916   | 2806   | 2706   | 3566              | 3446   | 3336   | 3236   |
| CUN 6 HTS  | Q <sub>0</sub> | 6568              | 4991   | 3753   | 2834   | 5037              | 3711   | 2656   | 1853   |
|            | P <sub>e</sub> | 5089              | 4568   | 4067   | 3614   | 5442              | 4766   | 4130   | 3535   |
| CUN 4 HSCS | Q <sub>0</sub> | 6600              | 5300   | 4250   | 3300   | 5450              | 4400   | 3500   | 2790   |
|            | P <sub>e</sub> | 3800              | 3610   | 3440   | 3290   | 4450              | 4270   | 4100   | 3930   |
| CUN 5 HSCS | Q <sub>0</sub> | 7850              | 6350   | 5100   | 4050   | 6600              | 5350   | 4300   | 3400   |
|            | P <sub>e</sub> | 4380              | 4200   | 4030   | 3870   | 5050              | 4870   | 4690   | 4530   |
| CUN 6 HSCS | Q <sub>0</sub> | 9800              | 7950   | 6350   | 5000   | 8250              | 6650   | 5300   | 4150   |
|            | P <sub>e</sub> | 5800              | 5550   | 5350   | 5150   | 6700              | 6450   | 6250   | 6000   |
| CUN 7 HSCS | Q <sub>0</sub> | 13800             | 11100  | 8650   | 6400   | 11400             | 9150   | 7200   | 5450   |
|            | P <sub>e</sub> | 8300              | 7900   | 7500   | 7150   | 9650              | 9250   | 8850   | 8450   |

Q<sub>0</sub>: Refrigerating capacityP<sub>e</sub>: Power consumptionAccording to: Subcooling 8 °K  
Superheat 11 °K

## CAPACITY W (R 404 A)

| MODEL       | CAP.           | Amb. Temp. : 25°C |        | Amb. Temp. : 35°C |        |
|-------------|----------------|-------------------|--------|-------------------|--------|
|             |                | T Evap.           |        | T Evap.           |        |
|             |                | -5 °C             | -10 °C | -5 °C             | -10 °C |
| CUP 0,9 HTS | Q <sub>0</sub> | 1528              | 1215   | 1240              | 975    |
|             | P <sub>e</sub> | 834               | 791    | 915               | 857    |
| CUP 1 HTS   | Q <sub>0</sub> | 1772              | 1413   | 1429              | 1125   |
|             | P <sub>e</sub> | 909               | 866    | 991               | 923    |
| CUP 1,8 HTS | Q <sub>0</sub> | 2690              | 2099   | 2160              | 1660   |
|             | P <sub>e</sub> | 1327              | 1247   | 1416              | 1318   |
| CUP 2 HTS   | Q <sub>0</sub> | 3130              | 2485   | 2538              | 1995   |
|             | P <sub>e</sub> | 1428              | 1349   | 1572              | 1467   |
| CUP 3 HTS   | Q <sub>0</sub> | 4136              | 3277   | 3354              | 2631   |
|             | P <sub>e</sub> | 1995              | 1853   | 2161              | 2013   |
| CUP 3 HSCS  | Q <sub>0</sub> | 5900              | 4850   | 4950              | 4050   |
|             | P <sub>e</sub> | 2040              | 2050   | 2530              | 2550   |
| CUP 4 HTS   | Q <sub>0</sub> | 6354              | 5001   | 5029              | 3845   |
|             | P <sub>e</sub> | 2803              | 2583   | 3087              | 2809   |
| CUP 4 HSCS  | Q <sub>0</sub> | 7050              | 5800   | 5950              | 4850   |
|             | P <sub>e</sub> | 2420              | 2430   | 3010              | 3020   |
| CUP 5 HTS   | Q <sub>0</sub> | 8277              | 6741   | 6548              | 5178   |
|             | P <sub>e</sub> | 3629              | 3379   | 4000              | 3677   |
| CUP 5 HSCS  | Q <sub>0</sub> | 8250              | 6750   | 6950              | 5650   |
|             | P <sub>e</sub> | 2800              | 2810   | 3480              | 3500   |
| CUP 7 HTS   | Q <sub>0</sub> | 9680              | 7409   | 7659              | 5691   |
|             | P <sub>e</sub> | 4171              | 3796   | 4598              | 4133   |
| CUP 6 HSCS  | Q <sub>0</sub> | 9650              | 7950   | 8100              | 6600   |
|             | P <sub>e</sub> | 3180              | 3190   | 3960              | 3980   |
| CUP 7 HSCS  | Q <sub>0</sub> | 12100             | 9900   | 10150             | 8250   |
|             | P <sub>e</sub> | 4030              | 4040   | 4980              | 5010   |
| CUP 9 HTS   | Q <sub>0</sub> | 13332             | 10671  | 10547             | 8193   |
|             | P <sub>e</sub> | 5497              | 5036   | 6065              | 5487   |
| CUP 8 HSCS  | Q <sub>0</sub> | 14150             | 11600  | 11900             | 9700   |
|             | P <sub>e</sub> | 4410              | 4430   | 5500              | 5550   |
| CUP 10 HTS  | Q <sub>0</sub> | 14590             | 11647  | 11543             | 8943   |
|             | P <sub>e</sub> | 6054              | 5536   | 6681              | 6033   |
| CUP 10 HSCS | Q <sub>0</sub> | 16400             | 13500  | 13900             | 11350  |
|             | P <sub>e</sub> | 5960              | 5910   | 7260              | 7210   |