

## Centrifugal Compressor Water Cooled Chillers

### DWDC Chillers C Series

**Nominal capacity range with R-134a or R-513A: 2100 - 9000 kW (600 - 2500 RT)**

**Nominal capacity range with R-1234ze: 1500 - 6700 kW (430 - 1900 RT)**

**50/60 Hz**



## **Physical Data and Weights**

### **Evaporator**

Refrigerant side design pressure is 13,7bar on DWDC units.

DWDC evaporators are 13,7bar.

Standard water-side design pressure is 10bar (145psi) on DWDC. 16 bar (232psi) is available as option.

### **Evaporator Physical Data**

| code  | Water Volume (L) | Insulation Area (m <sup>2</sup> ) | Vessel Dry Weight (kg) | Add for MWB (kg) | MWB Cover only, Weight (kg) |
|-------|------------------|-----------------------------------|------------------------|------------------|-----------------------------|
| E3214 | 720              | 15                                | 2750                   | 355              | 202                         |
| E3814 | 1045             | 18                                | 3680                   | 570              | 344                         |
| E4414 | 1480             | 21                                | 4830                   | 770              | 498                         |

Notes:

1. Water capacity is based on standard tube configuration and standard heads.
2. Vessel weight includes the shell, maximum tubes, and standard heads, no refrigerant.
3. MWB, marine water box, weight add is the water box weight minus a standard dished head weight.

### **Condenser**

Refrigerant side design pressure is 13,7bar on DWDC units.

DWDC condensers are 13,7bar.

Standard water-side design pressure is 10bar (145psi) on DWDC. 16 bar (232psi) is available as option.

### **Condenser Physical Data**

| code  | Water Volume (L) | Insulation Area (m <sup>2</sup> ) | Vessel Dry Weight (kg) | Add for MWB (kg) | MWB Cover only, Weight (kg) |
|-------|------------------|-----------------------------------|------------------------|------------------|-----------------------------|
| C2814 | 702              |                                   |                        | 270              | 143                         |
| C3014 | 1010             | 14                                | 3320                   | 330              | 191                         |
| C3214 | 1185             | 15                                | 3760                   | 355              | 202                         |
| C3814 | 1740             | 18                                | 5200                   | 570              | 344                         |
| C4214 | 2215             | 20,5                              | 6560                   | 655              | 410                         |

Notes:

1. Water capacity is based on standard tube configuration and standard heads.
2. Vessel weight includes the shell, maximum tubes, and standard heads, no refrigerant.
3. MWB, marine water box, weight add is the water box weight minus a standard dished head weight

### **Compressor Weight**

| Code | Weight (kg) |
|------|-------------|
| 079L | 1440        |
| 087M | 1440        |
| 100M | 2700        |
| 113M | 2700        |
| 126M | 2700        |

**Complete Unit  
Unit Weights, Single Compressor, DWDC**

| Unit                 | Evaporator/Co<br>ndenser Size | Unit Refrig.<br>Charge (1)<br>(kg) | Max. Unit Weight w/o Starter |                | Max. Unit Weight with Starter |                |
|----------------------|-------------------------------|------------------------------------|------------------------------|----------------|-------------------------------|----------------|
|                      |                               |                                    | Shipping (kg)                | Operating (kg) | Shipping (kg)                 | Operating (kg) |
| DWDC113M<br>DWDC126M | E3214-C3014                   | 767                                | 15589                        | 17321          | 15773                         | 17506          |
|                      | E3214-C3214                   | 811                                | 16035                        | 17940          | 16218                         | 18125          |
|                      | E3214-C3814                   | 1054                               | 17527                        | 19757          | 17710                         | 19942          |
|                      | E3814-C3214                   | 1105                               | 18872                        | 21657          | 19055                         | 21842          |
|                      | E3814-C3814                   | 1381                               | 20406                        | 23627          | 20589                         | 23812          |
|                      | E3814-C4214                   | 1428                               | 21106                        | 24528          | 21290                         | 24713          |
|                      | E4414-C4214                   | 1447                               | 21777                        | 25471          | 21961                         | 25656          |

Notes:

1. Weight of the Electrical box see VFD data.

1. Physical Data and Weights for component and unit included in this section are for rough layout purposes only. Detailed certified drawings, as pdf hard copies or CAD files, are available from the local sales office. Do not use catalog drawings for final construction.

2. Obtain specific unit certified drawings for detailed dimensions of water, oil cooler, and relief valve connections.

## Техника для климата

Доставляем оборудование по всей России от 3 дней транспортными компаниями. Реализуем проекты в десятках регионов — от Калининграда до Владивостока.

**9600+**

объектов и поставок

**от 1 дня**

отгрузка в транспортную компанию

### Технические данные файла

Документ: Технические характеристики Daikin DWDC

Идентификатор библиотеки: LIB-002328

Исходный файл: daikin-dwdc-tehnicheskie-harakteristiki.pdf

SHA-256 оригинала: c468bc8f8c823254a5882b932f14bab4d6bee4107c502d6beef5398fbdd14846

Постоянная ссылка: <https://iclim.ru/library/daikin-dwdc-tehnicheskie-harakteristiki.pdf>

Копия сформирована: 02.10.2026 13:52 UTC