

# Danaos

## Data sheet

|                  |              |   |
|------------------|--------------|---|
| Climate class 3: | 25°C/60% r.h | The technical data indicated refer to a standard cabinet equipment (see sectional view on the reverse). The installed electrical loads refer to 230 V (electrical consumers). |
|------------------|--------------|---|

| Dimensions                | Type  |                          | Open Service Case              |                   |                   |                   | Lift-up Service Case |                   |                   |                   | Unit           |         |      |
|---------------------------|---|--------------------------|--------------------------------|-------------------|-------------------|-------------------|----------------------|-------------------|-------------------|-------------------|----------------|---------|------|
|                           |   |                          | Danaos 125 87 R S              | Danaos 188 87 R S | Danaos 250 87 R S | Danaos 375 87 R S | Danaos 125 87 R G    | Danaos 188 87 R G | Danaos 250 87 R G | Danaos 375 87 R G |                |         |      |
|                           | Module                                      |                          |                                |                   |                   |                   |                      |                   |                   |                   |                |         |      |
| Dimensions                | Module Length                               |                          | 1250                           | 1875              | 2500              | 3750              | 1250                 | 1875              | 2500              | 3750              | mm             |         |      |
|                           | Temperature Range                           |                          | -1 °C                          | -1 °C~5 °C        | -1 °C~5 °C        | -1 °C~5 °C        | -1 °C~5 °C           | -1 °C~5 °C        | -1 °C~5 °C        | -1 °C~5 °C        | °C             |         |      |
|                           |   |                          | -5 °C                          | °C                | °C                | °C                | °C                   | °C                | °C                | °C                |                |         |      |
|                           | Effective Volume                            |                          | 0.19                           | 0.28              | 0.38              | 0.57              | 0.19                 | 0.28              | 0.38              | 0.57              | m <sup>3</sup> |         |      |
|                           | Display area                                |                          | 1.05                           | 1.60              | 2.15              | 3.20              | 0.94                 | 1.40              | 1.88              | 2.80              | m <sup>2</sup> |         |      |
| Net weight, 净重            |   | 145                      | 205                            | 275               | 325               | 185               | 250                  | 325               | 385               |                   |                |         |      |
| Refrigeration data        | Refrigeration load (Q <sub>0eff</sub> )     | ti1)<br>=-1 °C           | toeff <sup>2)</sup> =<br>-8 °C | 0.48              | 0.63              | 0.79              | 1.22                 | 0.46              | 0.61              | 0.77              | 1.2            | kg      |      |
|                           |   |                          |                                |                   |                   |                   |                      |                   |                   |                   |                | KW      |      |
|                           | Refrigerant quantity in operation           |                          | R 404A                         | 0.8               | 1.25              | 1.45              | 2                    | 0.8               | 1.25              | 1.45              | 2              | kg      |      |
|                           | Expansion valve orifice / E-Valve (exworks) | TES2                     | R 404A                         | 068Z3             | 068Z341           | 068Z341           | 068Z341              | 068Z341           | 068Z341           | 068Z341           | 068Z341        | 068Z341 | Type |
|                           |   | R 404A                   | 415                            | 5                 | 5                 | 5                 | 5                    | 5                 | 5                 | 5                 | Type           |         |      |
| Installed electrical load | Lighting                                    | Standard                 | LED                            | ---               | ---               | ---               | ---                  | 1*20              | 1*24              | 2*20              | 3*20           | W       |      |
|                           |   | Option                   | T5                             | ---               | ---               | ---               | ---                  | ---               | ---               | ---               | ---            |         |      |
|                           |   | Option                   | T8                             | ---               | ---               | ---               | ---                  | ---               | ---               | ---               | ---            |         |      |
|                           | Heaters                                     | Defrost heater           | Standard                       | ---               | ---               | ---               | ---                  | ---               | ---               | ---               | ---            | ---     | W    |
|                           |   | Anti-heater              | Standard                       | 10                | 15                | 20                | 30                   | 10                | 15                | 20                | 30             | W       |      |
|                           | Fan motors-evaporator (Number *Power)       | Standard                 |                                | 1*29              | 2*29              | 2*29              | 3*29                 | 1*29              | 2*29              | 2*29              | 3*29           | W       |      |
|                           |   | Option- IQ motor         |                                | 1*7               | 2*7               | 2*7               | 3*7                  | 1*7               | 2*7               | 2*7               | 3*7            |         |      |
|                           |   | Option- ESM              |                                | 1*7               | 2*7               | 2*7               | 3*7                  | 1*7               | 2*7               | 2*7               | 3*7            |         |      |
| Fan blade-evaporator      |   |                          | V154-22°                       | V154-9°           | V154-2°           | V154-2°           | V154-2°              | V154-1°           | V154-2°           | V154-2°           | Type           |         |      |
| Internal fittings         | Shelf depth                                 | (min. / Standard / max.) | 870                            | 870               | 870               | 870               | 870                  | 870               | 870               | 870               | 870            | mm      |      |
|                           |   | Bottom deck              |                                |                   |                   |                   |                      |                   |                   |                   |                |         |      |
| ded                       | Supply air temperature                      |                          | -6                             | -5                | -7                | -6                | -6                   | -5                | -7                | -6                | °C             |         |      |

|  |       |   |     |      |      |   |     |      |             |
|--|-------|---|-----|------|------|---|-----|------|-------------|
| Return air temperature                   | -0.5  | 0 | 0.5 | -0.5 | -0.5 | 0 | 0.5 | -0.5 |             |
| Defrost termination temperature          | 3     | 3 | 3   | 3    | 3    | 3 | 3   | 3    |             |
| Warning temperature                      |       |   |     |      |      |   |     |      |             |
| Defrost safety times (Number x Duration) | 4x 60 |   |     |      |      |   |     |      | Min/2<br>4h |

1)  $t_i$  = case temperature

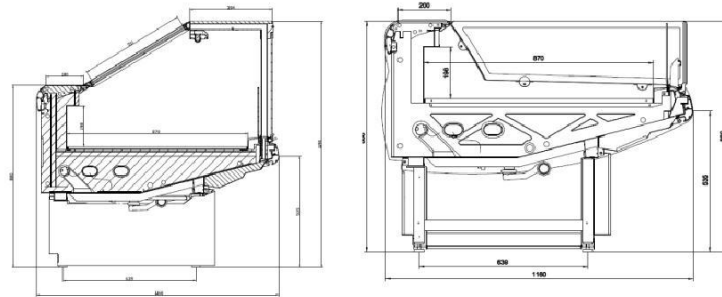
2)  $t_{\text{eff}}$  = evaporation temperature (effective value)

3) = valid for control Carel PJEZS or Danfoss

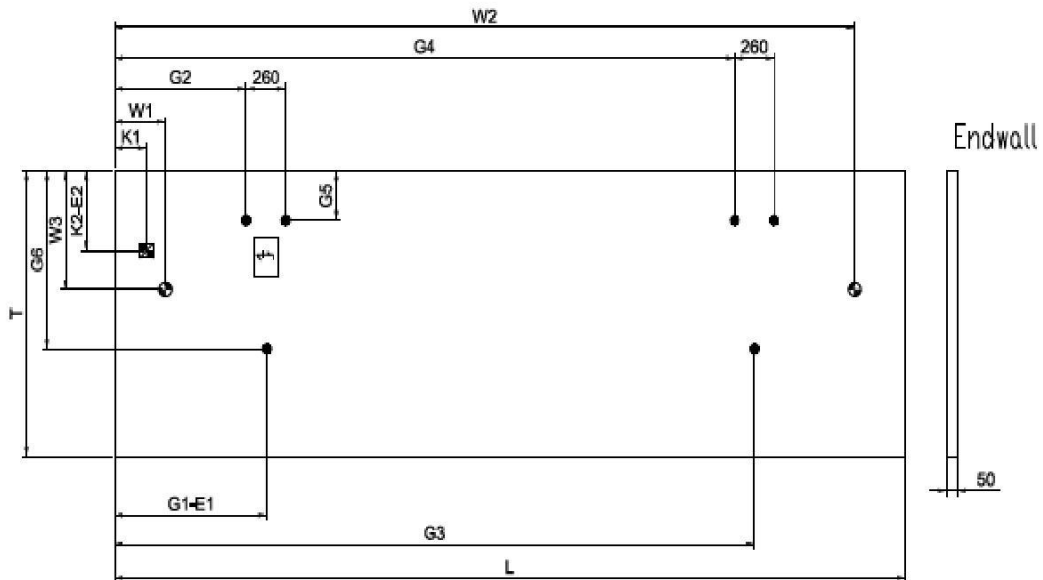
# Danaos





Data sheet

Sectional view



Plan view



|   |                   |
|---|-------------------|
|  | Cabinet legs      |
|  | Refrigerant lines |
|  | Drain water       |
|  | Wire hole         |

|    |      |      |      |      |
|----|------|------|------|------|
| L  | 1250 | 1875 | 2500 | 3750 |
| T  | 1160 | 1160 | 1160 | 1160 |
| G1 | 313  | 469  | 625  | 625  |
| G2 | 183  | 339  | 495  | 495  |
| G3 | 938  | 1406 | 1875 | 3125 |
| G4 | 808  | 1276 | 1745 | 2995 |
| G5 | 129  | 129  | 129  | 129  |
| G6 | 767  | 767  | 767  | 767  |
| W1 | ---  | 271  | 271  | 271  |
| V2 | 979  | 1604 | 2229 | 3479 |
| W3 | 467  | 467  | 467  | 467  |
| K1 | 156  | 156  | 156  | 156  |
| K2 | 360  | 360  | 360  | 360  |
| E1 | 313  | 469  | 625  | 625  |
| E2 | 360  | 360  | 360  | 360  |
| Kq | 160  | 235  | 305  | 450  |