

# DTI/DTS 8000ES Cooling Units 500-1500Watt

**DTI model:** Partially recessed cooling units mounted on the side or in the door of the enclosure.

**DTS model:** Cooling units mounted on the side or in the door of the enclosure.

Service friendly due  
to direct access  
to the PCB and the fans, thus 80 %  
shorter repair times

Robust: steel cover, easily  
paintable

Compact design for smaller  
cabinets or to cool hot spots

Optional pre-filter with different types of  
filter mats suitable for use in different  
environmental conditions

Very high energy efficiency ratio  
(EER)



# INDOOR COOLING UNITS 500–1500 W



tool-less filter mat  
changing



protection  
system



top EER /  
energy saving



service friendly



| PRODUCT                                            |            | DTI 8031ES                                                               | DTI 8041ES                                                               |           | DTS8041ES     |             | DTS 8241ES    |            | DTS 8341ES    |             | Unit  |    |
|----------------------------------------------------|------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------|---------------|-------------|---------------|------------|---------------|-------------|-------|----|
| ARTICLE NO.                                        | 230V       | 130 9799 8335                                                            | 130 9799 8345                                                            |           | 130 4799 8345 |             | 130 8879 8055 |            | 130 8899 8055 |             |       |    |
|                                                    | 230V CM*   |                                                                          | 130 9799 8346                                                            |           | 130 4799 8346 |             | 130 8879 8066 |            | 130 8899 8066 |             |       |    |
|                                                    | 400V 2~    |                                                                          | 130 9799 9345                                                            |           | 130 4799 9345 |             | 130 8879 9055 |            | 130 8899 9055 |             |       |    |
|                                                    | 400V 2~CM* |                                                                          | 130 9799 9346                                                            |           | 130 4799 9346 |             | 130 8879 9066 |            | 130 8899 9066 |             |       |    |
| Rated voltage ± 10%                                |            | AC 50Hz/60Hz                                                             |                                                                          |           |               |             |               |            |               |             |       |    |
|                                                    |            | 230V                                                                     | 230 / 400v 2~                                                            |           | 230 / 400v 2~ |             |               |            |               |             | V     |    |
| Cooling capacity according to EN 14511             | A35/A35    | 500   530                                                                | 800                                                                      | 900       | 800           | 880         | 1000          | 1100       | 1500          | 1650        | W     |    |
|                                                    | A35/A50    | 285   330                                                                | 550                                                                      | 650       | 550           | 615         | 870           | 955        | 1070          | 1180        |       |    |
| Power consumption                                  | A35/A35    | 260   290                                                                | 386   420                                                                | 380   410 | 382   458     | 427   512   | 423   505     | 462   555  | 558   655     | 574   684   | A     |    |
| Current consumption                                | A35/A35    | 1.5   1.7                                                                | 3.0   3.5                                                                | 1.8   2.5 | 2.83   3.04   | 1.82   2.07 | 2.98   3.41   | 1.79   2.2 | 3.88   4.45   | 2.18   2.48 |       |    |
| Starting current                                   | A35/A35    | 3.5   3.5                                                                | 6.0   6.0                                                                | 6.0   6.0 | 15.4   17.7   | 10.1   11.5 | 16.2   18.1   | 9.8   11.2 | 21.2   23.11  | 11.7   13.9 |       |    |
| Type of connection                                 |            | spring-type terminal included with plug                                  |                                                                          |           |               |             |               |            |               |             |       |    |
| Unimpeded airflow (free flow)                      | internal   | 280                                                                      | 535                                                                      |           | 535           |             | 620           |            | 1030          |             | m³/h  |    |
|                                                    | external   | 280                                                                      | 620                                                                      |           | 620           |             | 1030          |            | 1030          |             |       |    |
| Ambient temperature                                |            | +15 ... +55                                                              |                                                                          |           |               |             |               |            |               |             |       | °C |
| Control range (adjustable)                         |            | +25 ... +45   factory setting +35                                        |                                                                          |           |               |             |               |            |               |             |       |    |
| Noise level (EN ISO3741)                           |            | ≤63                                                                      | ≤65                                                                      |           | ≤62           |             | ≤65           |            | ≤65           |             | dB(A) |    |
| Refrigerant                                        | R134a      | 200                                                                      | 300                                                                      |           | 300           |             | 340           |            | 370           |             | g     |    |
| Condensate management                              |            | Condensate drain                                                         | Condensate drain; integrated condensate evaporation system optional (CM) |           |               |             |               |            |               |             |       |    |
| Dimensions                                         | Y×X        | 562 x 310                                                                | 687 x 380                                                                |           | 670 x 380     |             | 950 x 400     |            | 950 x 400     |             | mm    |    |
| Installation depth (Z2) + Construction height (Z1) |            | 85 + 127                                                                 | 85 + 113                                                                 |           | 0 + 200       |             | 0+ 200        |            | 0+ 200        |             |       |    |
| Weight (net)                                       |            | 15                                                                       | 20                                                                       | 28        | 21            | 29          | 26.5          | 34.5       | 29.5          | 37.5        | kg    |    |
| Protection system according to EN 60529            | IP54       | towards the electrical enclosure if used as intended by the manufacturer |                                                                          |           |               |             |               |            |               |             |       |    |
|                                                    | IP34       | towards the surroundings if used as intended by the manufacturer         |                                                                          |           |               |             |               |            |               |             |       |    |
| Design                                             | housing    | galvanised sheet steel                                                   |                                                                          |           |               |             |               |            |               |             |       |    |
|                                                    | cover      | electrostatically powder coated (200°C)                                  |                                                                          |           |               |             |               |            |               |             |       |    |
| Colour                                             |            | RAL7035   different colours available on request                         |                                                                          |           |               |             |               |            |               |             |       |    |
| Accessories                                        |            | Piece                                                                    |                                                                          |           |               |             |               |            |               |             |       |    |
| Fiilter adapter                                    | 1          | 18060200000                                                              |                                                                          |           |               |             | 18310000151   |            |               |             |       |    |
| Aluminum filter                                    | 1          |                                                                          |                                                                          |           |               |             | 18300000149   |            |               |             |       |    |
| Vlies filter                                       | 5          | 18061600000                                                              |                                                                          |           |               |             | 18300000147   |            |               |             |       |    |
| Fluted filter                                      | 5          |                                                                          |                                                                          |           |               |             | 18300000148   |            |               |             |       |    |
| External condensate evaporator system              |            | 1                                                                        | 18314000001                                                              |           |               |             |               |            |               |             |       |    |
| Condensate bottle                                  |            | 1                                                                        | 18314000000                                                              |           |               |             |               |            |               |             |       |    |

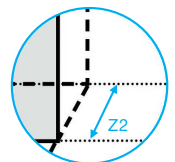
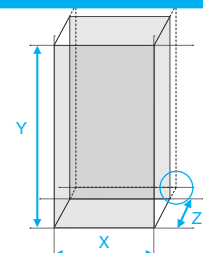
\*CM: variant with integrated condensate management system, of which some of the electrical data varies from the table above. Please contact our sales or application engineering for more details.



Comprehensive technical documentation such as

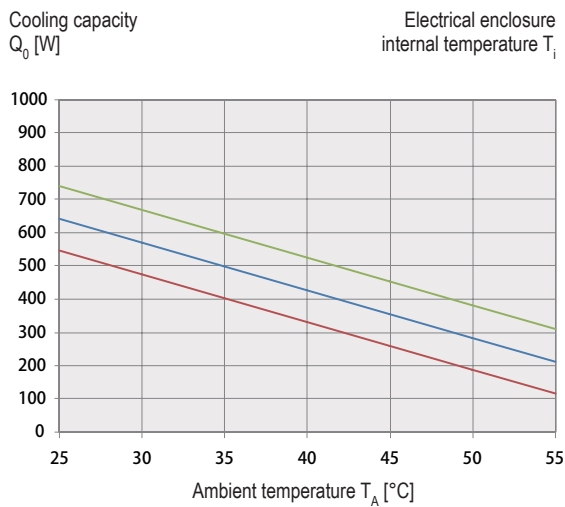
- operating instruction, technical data, approvals
- cut-out drawing, CAD | EPLAN | Zuken | WSCAD data

can be retrieved by entering this webcode in the search window on [www.pfannenbergl.com](http://www.pfannenbergl.com)

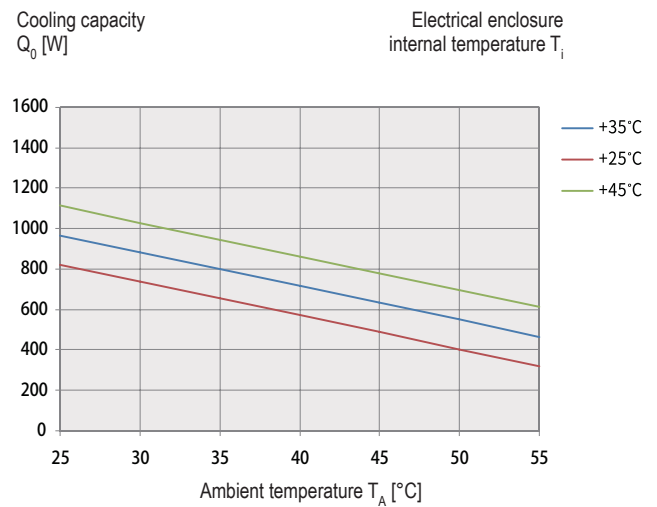


# Cooling capacity performance curves

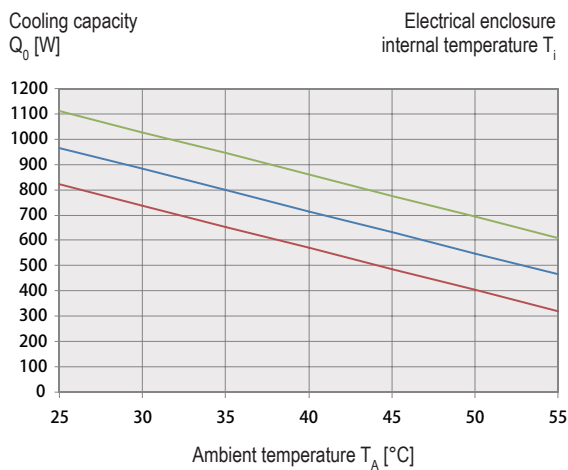
**DTI 8031ES (50Hz)**



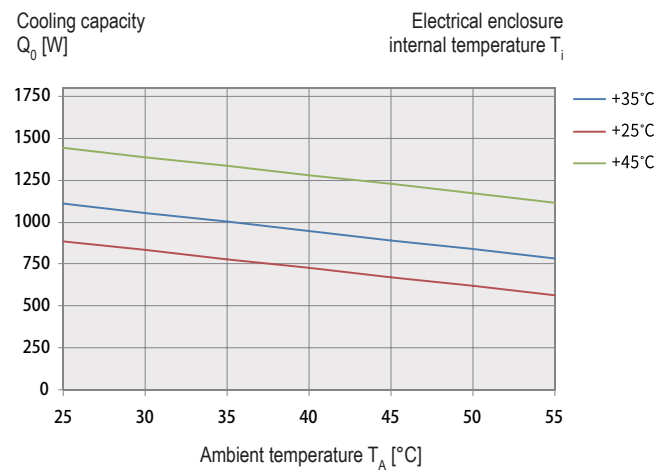
**DTI 8041ES (50Hz)**



**DTS 8041ES (50Hz)**



**DTS 8241ES (50Hz)**



**DTS 8341ES (50Hz)**

