

# TopTherm chillers



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## Design:

- Compact, modular layout of the refrigeration components
- Nano-coated condenser
- Pump to convey the medium

## Benefits:

- Precise temperature control, based on microprocessor technology
- Collective fault signal with floating contact
- One version for two frequencies = international compatibility

## Temperature control:

- Microcontroller control (factory setting +20°C)

## Colour:

- RAL 7035

## Protection category IP to IEC 60 529:

- IP 44 (electrics)

## Supply includes:

- Complete unit ready for connection
- Multilingual documentation including functional diagram and wiring plans

## Note:

- For 3334.660, two metal filters are required

## Characteristic curves of pump:

Available on the Internet

## Approvals:

Available on the Internet

## Output class 1000 – 1500 W

| Model No.                                                                                    | Packs of             | 3318.600        | 3318.610       | 3319.600         | 3319.610         | Page |
|----------------------------------------------------------------------------------------------|----------------------|-----------------|----------------|------------------|------------------|------|
| Total cooling output at $T_w = 10^\circ\text{C}/T_u = 32^\circ\text{C}$ kW                   |                      | 0.8 / 0.9       | 0.8 / 0.9      | 1.2 / 1.3        | 1.2 / 1.3        |      |
| <b>Total cooling output at <math>T_w = 18^\circ\text{C}/T_u = 32^\circ\text{C}</math> kW</b> |                      | <b>1 / 1.1</b>  | <b>1 / 1.1</b> | <b>1.5 / 1.7</b> | <b>1.5 / 1.7</b> |      |
| Power consumption $P_{el}$ 50/60 Hz kW                                                       |                      | 0.69 / 1.07     | 0.69 / 1.07    | 0.86 / 0.99      | 0.86 / 0.99      |      |
| Rated operating voltage V, ~, Hz                                                             |                      | 230, 1~, 50/60  | 230, 1~, 50/60 | 230, 1~, 50/60   | 230, 1~, 50/60   |      |
| Width mm                                                                                     |                      | 600             | 600            | 600              | 600              |      |
| Height mm                                                                                    |                      | 400             | 400            | 400              | 400              |      |
| Depth mm                                                                                     |                      | 430             | 430            | 430              | 430              |      |
| Rated current max. A                                                                         |                      | 5.1 / 5.6       | 5.1 / 5.6      | 5.7 / 5.6        | 5.7 / 5.6        |      |
| Operating temperature range                                                                  |                      | +10°C...+43°C   | +10°C...+43°C  | +10°C...+43°C    | +10°C...+43°C    |      |
| Refrigerant                                                                                  |                      | R134a           | R134a          | R134a            | R134a            |      |
| Water connection                                                                             | G ½" internal thread | ■               | ■              | ■                | ■                |      |
| Temperature hysteresis                                                                       |                      | ± 2 K           | ± 2 K          | ± 2 K            | ± 2 K            |      |
| Temperature of liquid                                                                        |                      | +10°C...+30°C   | +10°C...+30°C  | +10°C...+30°C    | +10°C...+30°C    |      |
| Design                                                                                       |                      | Pressure-sealed | Open           | Pressure-sealed  | Open             |      |
| Tank                                                                                         |                      | –               | PP plastic     | –                | PP plastic       |      |
| Tank capacity l                                                                              |                      | –               | 2.5            | –                | 2.5              |      |
| Weight kg                                                                                    |                      | 48.0            | 48.0           | 51.0             | 51.0             |      |
| <b>Accessories</b>                                                                           |                      |                 |                |                  |                  |      |
| Metal filters                                                                                | 1 pc(s).             | 3286.510        | 3286.510       | 3286.510         | 3286.510         | 455  |
| Levelling feet                                                                               |                      | –               | –              | –                | –                |      |
| Twin castors                                                                                 |                      | –               | –              | –                | –                |      |
| Cooling medium (ready-mixed)                                                                 |                      | see page        | see page       | see page         | see page         | 465  |

## Output class 3000 – 6000 W

| Model No.                                                                                    | Packs of             | 3320.600                   | 3334.600                   | 3334.660                   | Page |
|----------------------------------------------------------------------------------------------|----------------------|----------------------------|----------------------------|----------------------------|------|
| Total cooling output at $T_w = 10^\circ\text{C}/T_u = 32^\circ\text{C}$ kW                   |                      | 2.7 / 3                    | 3.9 / 4.7                  | 4.8 / 5.2                  |      |
| <b>Total cooling output at <math>T_w = 18^\circ\text{C}/T_u = 32^\circ\text{C}</math> kW</b> |                      | <b>3 / 3.4</b>             | <b>4.5 / 5.4</b>           | <b>6.1 / 6.6</b>           |      |
| Power consumption $P_{el}$ 50/60 Hz kW                                                       |                      | 2.03 / 2.67                | 2.88 / 3.24                | 3.98 / 5.32                |      |
| Rated operating voltage V, ~, Hz                                                             |                      | 400, 3~, 50<br>460, 3~, 60 | 400, 3~, 50<br>460, 3~, 60 | 400, 3~, 50<br>460, 3~, 60 |      |
| Width mm                                                                                     |                      | 602                        | 602                        | 605                        |      |
| Height mm                                                                                    |                      | 676                        | 676                        | 1034                       |      |
| Depth mm                                                                                     |                      | 645                        | 645                        | 645                        |      |
| Rated current max. A                                                                         |                      | 4.05 / 4.35                | 5.6 / 6.15                 | 8.2 / 8.5                  |      |
| Operating temperature range                                                                  |                      | +10°C...+43°C              | +10°C...+43°C              | +10°C...+43°C              |      |
| Refrigerant                                                                                  |                      | R134a                      | R134a                      | R134a                      |      |
| Integral tank level display                                                                  |                      | ■                          | ■                          | ■                          |      |
| Water connection                                                                             | G ½" internal thread | ■                          | ■                          | –                          |      |
|                                                                                              | G ¾" internal thread | –                          | –                          | ■                          |      |
| Temperature hysteresis                                                                       |                      | ± 2 K                      | ± 2 K                      | ± 2 K                      |      |
| Temperature of liquid                                                                        |                      | +10°C...+30°C              | +10°C...+30°C              | +10°C...+30°C              |      |
| Design                                                                                       |                      | Open                       | Open                       | Open                       |      |
| Tank                                                                                         |                      | PP plastic                 | PP plastic                 | PP plastic                 |      |
| Tank capacity l                                                                              |                      | 30                         | 30                         | 30                         |      |
| Weight kg                                                                                    |                      | 88.0                       | 94.0                       | 125.0                      |      |
| <b>Accessories</b>                                                                           |                      |                            |                            |                            |      |
| Metal filters                                                                                | 1 pc(s).             | 3286.520                   | 3286.520                   | 3286.510                   | 455  |
| Levelling feet                                                                               | 4 pc(s).             | 7493.100                   | 7493.100                   | 7493.100                   | 628  |
| Twin castors                                                                                 | 1 pc(s).             | 6148.000                   | 6148.000                   | 6148.000                   | 628  |
| Cooling medium (ready-mixed)                                                                 |                      | see page                   | see page                   | see page                   | 465  |

New



## Chiller configurator

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