

# Technical specifications

## Chillers

|   | Hei-CHILL 250   | Hei-CHILL 350   | Hei-CHILL 600   | Hei-CHILL 1200  |
|---|---|---|---|---|
| <b>Weight</b>   | 28 kg   | 36 kg   | 52 kg   | 64 kg   |
| <b>Display</b>  | 7-segment, LED  | 7-segment, LED  | 7-segment, LED  | 7-segment, LED  |
| <b>Temperature range</b>                                    | -10 – +40 °C  | -10 – +40 °C  | -10 – +40 °C  | -10 – +40 °C  |
| <b>Thermal fluid fill volume</b>                            | 2–4 l   | 4–7 l   | 4–8 l   | 7–14 l  |
| <b>Cooling capacity at +20 °C<br/>(20 °C ambient temp.)</b> | 250 W   | 350 W   | 600 W   | 1,200 W   |
| <b>Cooling capacity at 0 °C<br/>(20 °C ambient temp.)</b>   | 150 W   | 200 W   | 360 W   | 750 W   |
| <b>Cooling capacity at -10 °C<br/>(20 °C ambient temp.)</b> | 90 W  | 120 W   | 150 W   | 400 W   |
| <b>Temperature accuracy</b>                                 | ±0.5K   | ±0.5K   | ±0.5K   | ±0.5K   |
| <b>Digital interface</b>                                    | RS 232  | RS 232  | RS 232  | RS 232  |
| <b>Noise level</b>  | < 70 dB(A)  | < 70 dB(A)  | < 70 dB(A)  | < 70 dB(A)  |
| <b>Ambient temperature range<br/>(storage)</b>              | 5–40 °C   | 5–40 °C   | 5–40 °C   | 5–40 °C   |
| <b>Pump pressure max.</b>                                   | 0.35 bar  | 0.35 bar  | 1.3 bar   | 1.3 bar   |
| <b>Pump flow max.</b>                                       | 9 l/min   | 9 l/min   | 20 l/min  | 20 l/min  |
| <b>Overvoltage category</b>                                 | II  | II  | II  | II  |
| <b>Alarm output connection</b>                              | max. 30 V DC,<br>0.2 A  | max. 30 V DC,<br>0.2 A  | max. 30 V DC,<br>0.2 A  | max. 30 V DC,<br>0.2 A  |
| <b>Contamination level</b>                                  | 2   | 2   | 2   | 2   |
| <b>Distance to surroundings<br/>(front and rear)</b>        | 40 cm   | 40 cm   | 40 cm   | 40 cm   |
| <b>Classification according to<br/>DIN 12876-1</b>          | I/NFL   | I/NFL   | I/NFL   | I/NFL   |
| <b>Refrigerant</b>  | R-134a  | R-134a  | R-134a  | R-134a  |
| <b>GWP (100a) according to IPCC IV</b>                      | 1430  | 1430  | 1430  | 1430  |
| <b>Transportation temperature range</b>                     | -20 – +60 °C  | -20 – +60 °C  | -20 – +60 °C  | -20 – +60 °C  |
| <b>Cooling</b>  | Air-cooled  | Air-cooled  | Air-cooled  | Air-cooled  |
| <b>Standard supply voltage</b>                              | 230 V (50 Hz) or<br>115 V (60 Hz)   | 230 V (50 Hz) or<br>115 V (60 Hz)   | 230 V (50 Hz) or<br>115 V (60 Hz)   | 230 V (50 Hz) or<br>115 V (60 Hz)   |
| <b>Rated power intake<br/>(230 V/115 V)</b>                 | 230 W/230 W   | 500 W/ 500 W  | 700 W/750 W   | 1,100 W/1,150 W   |
| <b>Cooling output</b>                                       | 250 W   | 350 W   | 600 W   | 1,200 W   |
| <b>Dimensions</b> <b>w/d/h</b>                              | 200×375×465 mm  | 240×430×500 mm  | 350×515×590 mm  | 450×585×640 mm  |
| <b>Permissible ambient conditions</b>                       | 5–31 °C at 80% rel.<br>humidity, 32–40 °C<br>decreasing linearly<br>up to max. 50% rel.<br>humidity | 5–31 °C at 80% rel.<br>humidity, 32–40 °C<br>decreasing linearly<br>up to max. 50% rel.<br>humidity | 5–31 °C at 80% rel.<br>humidity, 32–40 °C<br>decreasing linearly<br>up to max. 50% rel.<br>humidity | 5–31 °C at 80% rel.<br>humidity, 32–40 °C<br>decreasing linearly<br>up to max. 50% rel.<br>humidity |
| <b>Protection class</b> <b>DIN EN 60529</b>                 | IP 32   | IP 32   | IP 32   | IP 32   |