

# 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>   | 115 V (60 Hz)  | 115 V (60 Hz)  | 115 V (60 Hz)  | 115 V (60 Hz)  |
| <b>Rated power intake (115 V)</b>  | 230 W  | 500 W  | 750 W  | 1,150 W  |
| <b>Cooling output</b>  | 250 W  | 350 W  | 600 W  | 1,200 W  |
| <b>Dimensions</b> <span style="float: right;"><b>w/d/h</b></span>              | 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 up to<br>max. 50 % rel. humidity | 5–31 °C at 80 % rel.<br>humidity, 32–40 °C<br>decreasing linearly up to<br>max. 50 % rel. humidity | 5–31 °C at 80 % rel.<br>humidity, 32–40 °C<br>decreasing linearly up to<br>max. 50 % rel. humidity | 5–31 °C at 80 % rel.<br>humidity, 32–40 °C<br>decreasing linearly up to<br>max. 50 % rel. humidity |
| <b>Protection class</b> <span style="float: right;"><b>DIN EN 60529</b></span> | IP 32  | IP 32  | IP 32  | IP 32  |