

# 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 (20 °C ambient temp.)</b>	250 W	350 W	600 W	1,200 W
<b>Cooling capacity at 0 °C (20 °C ambient temp.)</b>	150 W	200 W	360 W	750 W
<b>Cooling capacity at -10 °C (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 (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, 0.2 A	max. 30 V DC, 0.2 A	max. 30 V DC, 0.2 A	max. 30 V DC, 0.2 A
<b>Contamination level</b>	2	2	2	2
<b>Distance to surroundings (front and rear)</b>	40 cm	40 cm	40 cm	40 cm
<b>Classification according to 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. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to max. 50 % rel. humidity	5–31 °C at 80 % rel. humidity, 32–40 °C decreasing linearly up to 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