

## HL-15 Recirculating Coolers (Low Temp. Models)

Manufacturer:

SKU#: 8194-10-0714

Powerful recirculating coolers, the HL Models provide a wide range of cooling capacities with temperature reliability. Innovative control system, with a dynamic pumping capacity, and ideal for external temp. applications. Broad range of models to choose from based on working temperature range.



### Product Description

Operating features Temperature range is from -20 ~40 . Bright LED water level indicator can be easily identified. Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible sound. If the equipment operates at 40 or above due to the external environment, user can simply identify the error with a visual or an audible sound. Designed to simplify operation with a touch screen type display. - Easy-to-read VFD display with interactive touch keys. - Setting and resolution indication 0.1 / . - Quick keypad lock prevents accidental parameter changes. - Signal indicator for operation status. Constructional features The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency. Eco-friendly R-404A / R507 refrigerant is used to prevent environmental pollution. Double service valve is used to prevent refrigerant leakage. Removable gridded vent for reducing condenser contamination and to facilitate cleanliness. A wide ( 120mm / 4.72 ) solution inlet is for easy and safe pouring of solution into the recirculating cooler. Pressure gauge comes standard for observing the pump pressure The refrigeration system can be observed easily diagnostic at a glance by high / low pressure gauges. (HL-25H, 35H, 45H, 55H models) Wheels allow for easy mobility. The beautifully designed and compact. Different types of pumps come standard with the recirculating cooler to provide versatility. Warning alarm/monitoring system. - Over temperature. - Lack of bath solutions. Variety of accessories is available to meet user s different lab environment needs. (Refer to accessories)

### HL-15 Recirculating Coolers (Low Temp. Models) Specification

Model	HL-05	HL-10	HL-15	HL-20	HL-15H	HL-20H	HL-25H	HL-35H	HL-45H <sup>2)</sup>	HL-55H <sup>2)</sup>
Temperature Working T re <sup>1)</sup> : (bath fluid Ethylene glycol mix 1:1 Water) Temperature stability at 15 , ( / )	-20 to 40 / -4 to 104 range									
Cooling capacity (bath fluid : Ethylene glycol mix 1:1 Water) at 10 (kw)	0.60	0.60	1.15	1.50	1.15	1.50	1.80	2.30	4.50	6.00
Cooling capacity (bath fluid : Ethylene glycol mix 1:1 Water) at 20 (kw)	0.60	0.07	1.45	1.80	1.45	1.80	2.50	3.30	6.50	6.50

at 0 (kw)	0.35	0.42	0.86	1.15	0.86	1.15	1.10	1.70	3.00	4.10
at -10 (kw)	0.18	0.32	0.62	0.85	0.62	0.85	0.65	1.00	2.10	2.50
at -20 (kw)	0.04	0.14	0.30	0.40	0.30	0.40	0.40	0.55	1.20	1.50
Pump	Max. flow rate (L / min, gal / min)	50 / 13.2	40 / 10.57	70 / 18.49						
Max. pressure (bar / psi)	1.0 / 14.5	3.3 / 47.9	6 / 87.0							
Dimension Max. filling capacity (L, cu ft)	7.5 / 0.26	13.5 / 0.47	13.5 / 0.47	25 / 0.88	39 / 1.37					
For tubing dia (mm / inch)	20 / 3/4	20 / 3/4								
Overall (WxLxH, mm / inch)	405 620 / 710 24.4	515 715 / 835 28.1	515 715 / 835 28.1	550 900 / 1140 35.4	605 1045 / 1300 41.4					
Net weight (kg / lbs)	62.85 / 138.6	64.85 / 143.0	86.5 / 190.7	87.35 / 192.9	91.8 / 202.4	92.65 / 204.3	141.3 / 310.9	146.3 / 321.9	171 10 / 377 22	176 10 / 388 10
Electric requirement (230V, 60Hz)	5.0A	5.5A	6.5A	7.5A	6.5A	7.5A	9.5A	13.5A		
Cat. No.	AAH 65001K	AAH 65011K	AAH 65021K	AAH 65031K	AAH 65121K	AAH 65131K	AAH 65141K	AAH 65151K	-	-
Electric requirement (230V, 50Hz)	4.5A	5.0A	6.0A	7.0A	6.0A	7.0A	7.5A	12.5A		
Cat. No.	AAH 65002K	AAH 65012K	AAH 65022K	AAH 65032K	AAH 65122K	AAH 65122K	AAH 65142K	AAH 65152K	-	-
Electric requirement (120V, 60Hz)	10.0A	11.0A	13.0A	15.0A						
Cat. No.	AAH 65003K	AAH 65013K	AAH 65023K	AAH 65033K	-	-	-	-	-	-
Electric requirement (380V, 60Hz)									5.5A	7.0A
Cat. No.	-	-	-	-	-	-	-	-	AAH 65169K	AAH 65179K
Electric requirement (380V, 50Hz)									5.0A	6.0A
Cat. No.	-	-	-	-	-	-	-	-	AAH 65168K	AAH 65178K

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