

HL-45H Recirculating Coolers (Low Temp. Models)

Manufacturer:

SKU#: 8194-10-0727

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 to 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-45H 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 ²⁾	HL -55H ²⁾
Temperature Working T re ¹⁾	-20 to 40 / -4 to 104									
(bath fluid e : range Ethylene (/) glycol mix 1:1 Water)										
Temperature stability at 15, (/)										
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

at 10 (kw)	0.50	0.60	1.15	1.50	1.15	1.50	1.80	2.30	4.50	6.00
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	50 / 13.2	40 / 10.57	70 / 18.49						
	rate									
	(L / min,									
	gal / min)									
Max.	1.0 / 14.5	3.3 / 47.9	6 / 87.0							
pressure										
(bar / psi)										
Dimension	Max.,	7.5 / 0.26	13.5 / 0.47	13.5 / 0.47	25 / 0.88	39 / 1.37				
	filling									
	capacity									
	(L, cu ft)									
For tubing	20 / 3/4	20 / 3/4								
dia										
(mm /										
inch)										
Overall	405 620	515 715	515 715	550 900	605 1045					
(WxLxH,	710 /	835 /	835 /	1140 /	1300 /					
mm / inch)	15.9 24.4	20.3 28.1	20.3 28.1	21.7 35.4	23.8 41.4					
	28.0	32.9	32.9	44.9	51.2					
Net weight	62.85 /	64.85 /	86.5 /	87.35 /	91.8 /	92.65 /	141.3 /	146.3 /	171 10 /	176 10 /
(kg / lbs)	138.6	143.0	190.7	192.9	202.4	204.3	310.9	321.9	377 22	388 10
Electric req	5.0A	5.5A	6.5A	7.5A	6.5A	7.5A	9.5A	13.5A		
uirement										
(230V,										
60Hz)										
Cat. No.	AAH	AAH	AAH	AAH	AAH	AAH	AAH	AAH	-	-
	65001K	65011K	65021K	65031K	65121K	65131K	65141K	65151K		
Electric req	4.5A	5.0A	6.0A	7.0A	6.0A	7.0A	7.5A	12.5A		
uirement										
(230V,										
50Hz)										
Cat. No.	AAH	AAH	AAH	AAH	AAH	AAH	AAH	AAH	-	-
	65002K	65012K	65022K	65032K	65122K	65122K	65142K	65152K		
Electric req	10.0A	11.0A	13.0A	15.0A						
uirement										
(120V,										
60Hz)										
Cat. No.	AAH	AAH	AAH	AAH	-	-	-	-	-	-
	65003K	65013K	65023K	65033K						
Electric req									5.5A	7.0A
uirement										
(380V,										
60Hz)										
Cat. No.	-	-	-	-	-	-	-	-	AAH	AAH
									65169K	65179K
Electric req									5.0A	6.0A
uirement										
(380V,										
50Hz)										
Cat. No.	-	-	-	-	-	-	-	-	AAH	AAH
									65168K	65178K

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