

Recirculating Coolers (Chillers)

Recirculating Coolers (General Models)

Providing a constant temperature control and high cooling efficiency.

Operating cost can be reduced by using the recirculator for cooling water.
It is eco-friendly and reduces energy consumption.



Operating Features

- Temperature range is from 3°C to 40°C.
- Clear and easy-to-use LCD display. (resolution 0.1°C)
- Bright LED water level indicator can be seen from a distance.
- Low fluid level and dry-running protection when triggered shows an error symbol on the display and an audible buzzer sound.
- If the equipment operates at 40°C or above due to the external environment, user can simply identify the error with a visual signal or an audible buzzer sound.
- Pump pressure can be controlled using a by-pass function. (only for H type)

Constructional Features

- The refrigerating system is designed to reduce energy consumption and to maximize in refrigerating efficiency.
- Eco-friendly R-404A 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 plastic solution inlet is for easy and safe pouring of solution into the chiller unit.
- Pressure gauge comes standard with chiller units to provide fluid system diagnostics at a glance and for observing the pump pressure.
- Wheels allow for easy mobility throughout the lab.
- The beautifully designed chiller is compact.
- Different types of pumps and valves come standard with the chiller to provide versatility.
- Variety of accessories are available to meet user's different lab environment needs. (refer to accessories)



LCD Display



Pressure Gauge



Level Indicator

Testing in accordance with DIN EN 12876

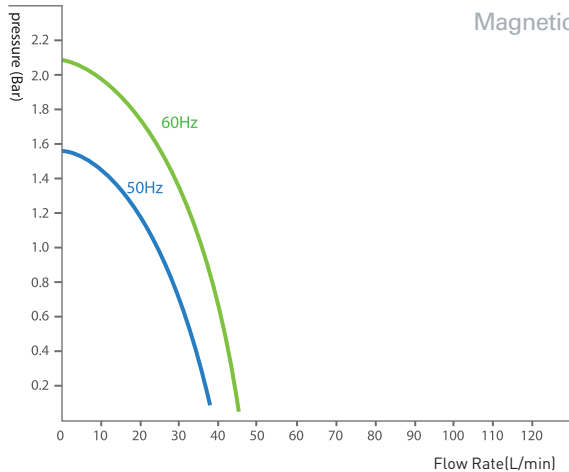
Optional Accessories
➤ see page 104-105

- Fittings, Adapters
- Tubing, Insulations
- Tube Clamps
- Bath Fluid

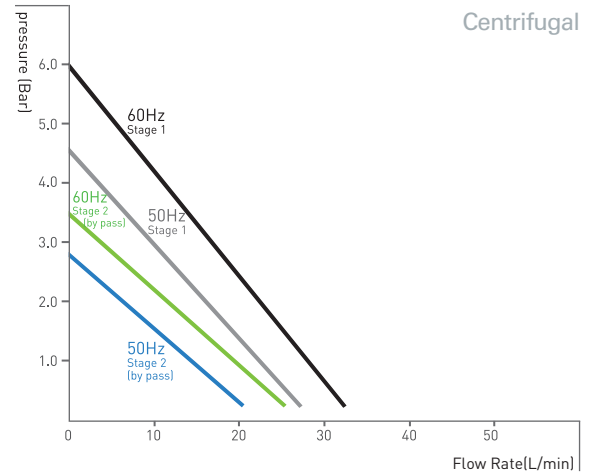
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Pumping Capacities (bath fluid: water)



• HX-20, 25



• HX-20H, 25H, 35H, 45H, 55H

Specifications & Ordering Information



Model		HX-20	HX-25	HX-20H	HX-25H	HX-35H	HX-45H ⁽²⁾	HX-55H ⁽²⁾
Temperature ⁽¹⁾ (bath fluid : water)	Working Temperature Range (°C / °F)	+3 to 40 / +37.4 to 104						
	Temperature Stability at 15°C (±°C / °F)	1 / 1.8						
Cooling Capacity (bath fluid : water)	at 20°C (kW)	1.9	2.4	1.9	2.4	3.6	4.7	7.1
	at 10°C (kW)	1.4	1.7	1.4	1.7	3.1	3.6	5.1
	at 5°C (kW)	1	1.4	1	1.4	2.4	2.9	4.2
Pump	Max. Flow Rate (L / min, gal / min)	38 / 10.03			45 / 11.89			
	Max. Pressure (bar / psi)	1.58 / 22.92			4.3 / 62.37			
Dimension	Max. Filling Capacity (L / cu ft)	35 / 1.24				45 / 1.59		
	For Tubing Dia (mm / inch)	20 / 0.8						
	Overall (W×L×H, mm / inch)	620×785×990 / 24.4×30.9×39				745×800×1095 / 29.3×31.5×43.1		
	Net Weight (kg / lbs)	93 / 205	101 / 223	97 / 214	105 / 231	120 / 265	130 / 287	140 / 309
	Electrical Requirements (230V, 60Hz)	8.5A	9A	9A	9.5A	15A	19A	
Cat. No.	AAH64011K	AAH64021K	AAH64111K	AAH64121K	AAH64131K	AAH64141K	-	
Electrical Requirements (230V, 50Hz)	7A	7.6A	10.5A	11A	17A			
Cat. No.	AAH64012K	AAH64022K	AAH64112K	AAH64122K	AAH64132K	-	-	
Electrical Requirements (120V, 60Hz)	17A	22A						
Cat. No.	AAH64013U	AAH64023U	-	-	-	-	-	
Electrical Requirements (380V, 60Hz)						10A	11.5A	
Cat. No.	-	-	-	-	-	AAH64149K	AAH64159K	
Electrical Requirements (380V, 50Hz)						7A	8.5A	
Cat. No.	-	-	-	-	-	AAH64148K	AAH64158K	

1) Technical data according to DIN 12876

2) Only HX-45H, 55H is recorded by 380V, 60Hz.

※ Above specification value is recorded by 50Hz.

※ The performance values refer to +20°C(68°F) ambient temperature.

※ Product performance may be affected by ambient temperatures.