



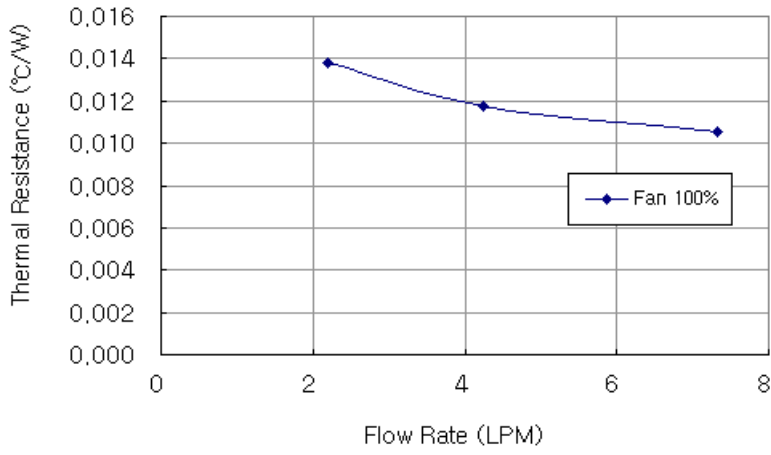
ERM-3K3UC is a rack-mountable or free standing ambient liquid cooling system. This model contains a large nine x 120mm fan copper/brass radiator, providing roughly 2400W of cooling with a 25°C ambient delta. Just add tubing, [coolant](#), and connect to your cold plate(s).

- Cooling capacity: 2400W (8189BTU/hr) with 25°C liquid-ambient delta @ 6.8LPM
  - Radiator fan speed: Configure a dynamic fan ramp based on min/max temperature set points, or set manually
  - Pump: 10 manual levels, up to 6.8LPM (1.8GPM)
  - Show flow rate in LPM or GPM (optional Koolance [flow meter](#) required)
  - Show pump and fan RPM
  - Select only the values you want displayed
  - Adjust alarm and relay trigger independently for all 3 temperature sensors
- Relay trigger can be configured as NO or NC
  - Power input: 110/220VAC, 50-60Hz
  - Can be powered on/off via front switch, computer, or other 12VDC signal
  - Reservoir capacity: 2.5l (0.66gal)
  - G 1/4 BSPP threads on back for fittings

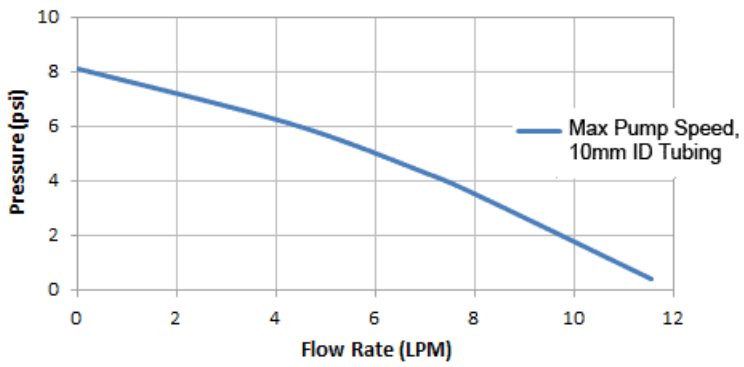
A prominent white LED-lit reservoir displays the coolant level, combining a waterfall effect when placed upright. The cooling system can be positioned in multiple ways. Feet are included for vertical tower or horizontal orientations, with fans facing up or down. The unit also fits within a 3U profile and includes rack mountable ears. The front display can be rotated for these positions by hand. NOTE: 3 x 700mL bottles of coolant is recommended for this system.

General	
Weight	28.60 lb (12.97 kg)
Max Pressure @ 25°C	2kgf/cm2 (28.5psi)
Max Temperature	60°C (140°F)
Noise (dBA)	30-54
Cooling Systems	
Cooling Capacity	2400W (8189BTU/hr) @ 25°C liquid-ambient (25°C dT)
Display Type	OLED
Flow Rate	6.8LPM (1.8GPM)
Max Power Consumption	90W
Power Source	110/220 VAC, 50-60Hz
Radiator	Brass/Copper, 9 x 120mm fans
Temperature Sensors	10K Thermistors

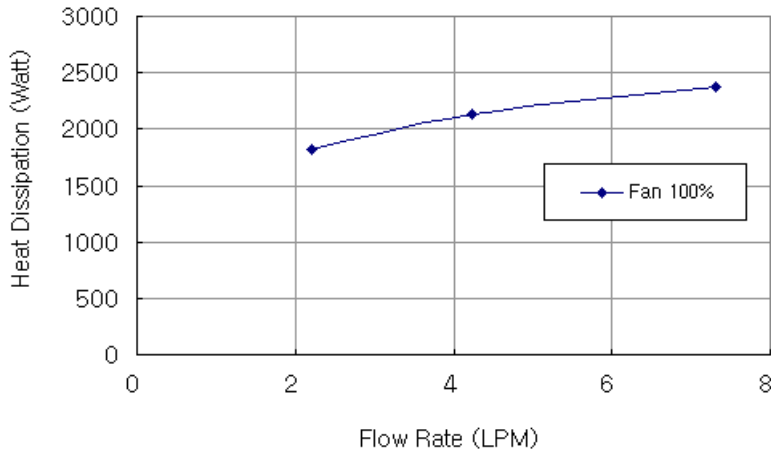
ERM-3K3UCU  
( $\Delta T = \text{Inlet Water} - \text{Ambient}$ )

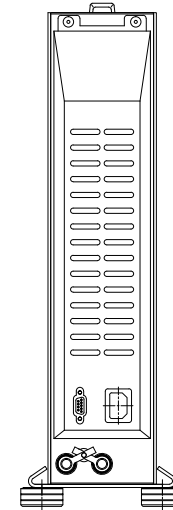
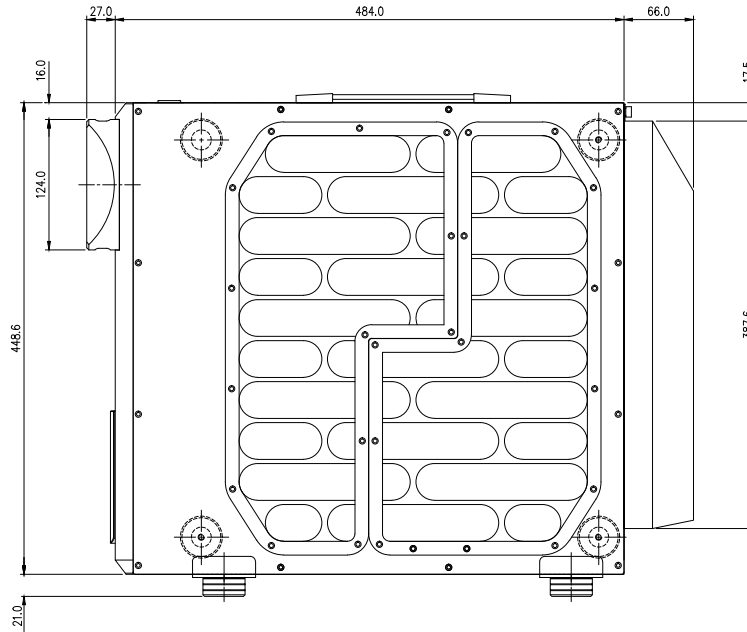
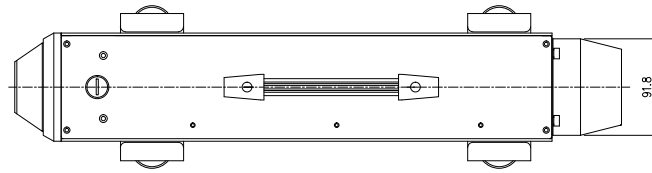
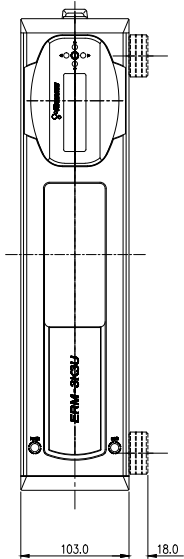
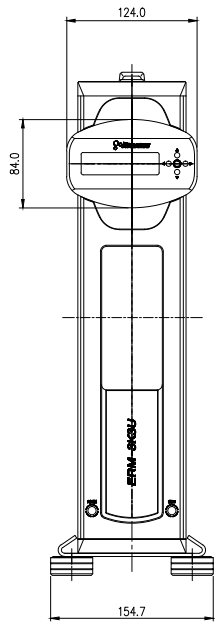


ERM-3K3UC Pump Output



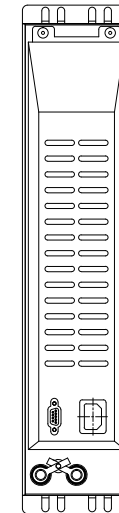
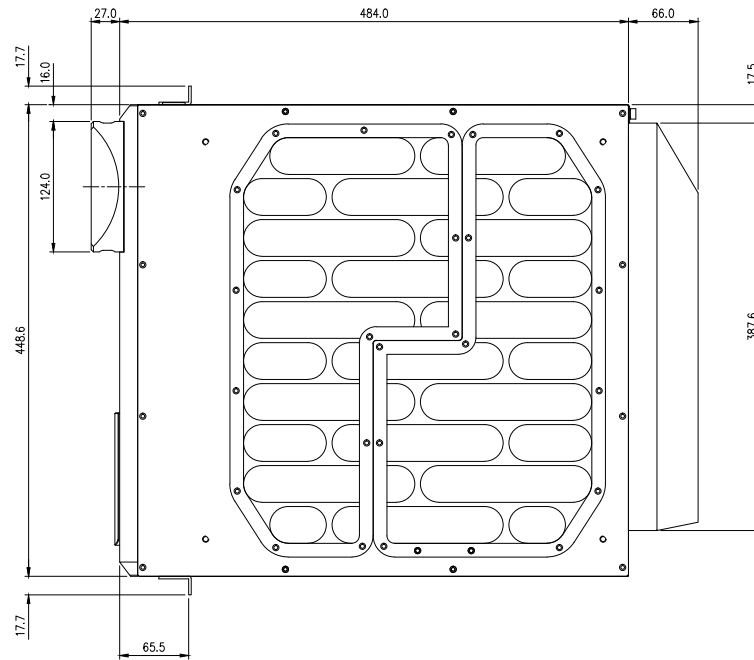
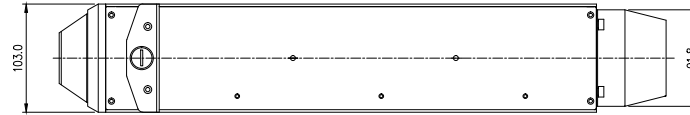
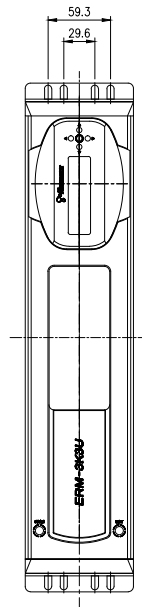
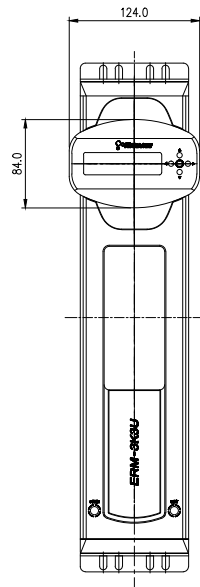
ERM-3K3UC  
( $\Delta T = \text{Inlet Water} - \text{Ambient} = 25^\circ\text{C}$ )





REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY
REVISION					

NO.	DESCRIPTION			MATER'L		QUANTITY	REMARKS
	<b>KOOLANCE</b> <small>INC.</small>	DECIMAL PLACES	INCHES	MILLIMETRES	UNIT	MM	ITEM
.XXX		±.005	±0.1	SCALE	N/S	TITLE	Ass'y
DATE	BY	BY	BY	APPRO	BY	ANGULAR DIMENSIONS	3RD ANGLE
	A.K. SONG					XX" ±0.5"	CODE NO.
						XX.X" ±0.1"	DWG. NO.
						SURFACE ROUGHNESS	PAGE
						.63 SURFACE 1.6 SURFACE	



REV	DATE	CONTENTS	REVD BY	CHKD BY	APPD BY
REVISION					

NO.		DESCRIPTION			MATER'L		QUANTITY	REMARKS
<b>KOLANCE inc.</b>		DECIMAL PLACES	INCHES	MILLIMETRES	UNIT	MM	ITEM	ERM-3K3UA/C
		.XXX .XX .X	±.005 ±.010 ±.020	±0.1 ±0.3 ±0.5	SCALE	N/S	TITLE	Ass'y
DATE	BY	BY	BY	APPRO BY	3RD ANGLE			
	A.K.SONG				CODE NO.		DWG. NO.	PAGE
					SURFACE ROUGHNESS	SURFACE	SURFACE	
					.63	1.6		