CHAPTER 3- Chiller Specifications

Subject		Specific	ations		
	RC7141G5 & RC7141G8 RC7141G7				
Overall Dimensions	21.9" (55.6 cm) wide x 32.7" (83.1 cm) deep x 43.0" (109.2 cm) high				
Shipping Crate Dimensions	28 1/2" (72 cm) wide x 43 1/2" (110 cm) deep x 52 1/2" (133 cm) high				
Weight	350 pounds (160 kg)				
Shipping Weight	500 pounds (225 kg)				
Center of Gravity	Approximately 18 in (46 cm) from floor				
Tank Volume	2 gallons (7.5 liters)				
Pump Capacity	4.0 gallons (15.1 liters) per minute @ 60 Hz 3.3 gallons (12.5 liters) per minute @ 50 Hz				
Recommended Fluid	Chloramine-T solution GE P/N 2286434				
Fluid Connections	Quick disconnect fittings for 16mm ID tubing pointed toward floor: Supply is female				
Fluid Connections	Lytron P/N 430-0653	Parker P BST-4		GE P/N 5141352	
	Return is male Lytron P/N 430-0652	on P/N Parker P/N		GE P/N 5141353	
Electrical Requirements	480 ±10% volts, 3 phase, 60 Hz 380 ±10% volts, 3 phase, 50 Hz Maximum current: 6.8 Amps running 60 Amp inrush peak within 40ms on start up				
Recommended Circuit Breaker	10 amps minimum				
Refrigerant	R-404a R-134		a		
Refrigerant Charge	3 pounds, 4 ounces 3 pou		3 pour	nds, 8 ounces	
Normal Condenser Pressure			140 –	- 225 psi	
Maximum Condenser Pressure	450 psi 350 ps		si		
Normal Evaporator Pressure	95 – 105 psi 35 – 45 ps			5 psi	
Maximum Air Temperature	104° F (40°C)				
Cooling Capacity (@ sea level)	6000 W @ 60 Hz and 68°F (20°C) air temperature				
	5000 W @ 60 Hz and 104°F (40°C) air temperature				
	5100 W @ 50 Hz and 20°C air temperature				
	4250 W @ 50 Hz and 40°C air temperature				
Heat Output	Condition	X-Ray Tube Power Output		<u>Chiller</u> <u>Heat Output</u>	
	Maximum	4000 W		6400 W	
	Average	2800 W		4000 W	
	Idle	400 W		2800 W	
	04 40 (4)				
Noise Level	61 dB (A)			· <u></u>	

Chiller Requirements

The Coolix 4000 chiller is in agreement with the following standards:

- CSA C22.2 No. 601 (this includes UL 60601-1 & IEC 60601-1 applied for medical devices)
- EMC/EMI compliance to IEC 60601-2
- EHS: non-ozone depleting substance, CFC free and non-forbidden products.
- CE marking certifying compliance with EMC and LVD directives and applicable standards.



DECLARATION OF CONFORMITY

Product Description:

Liquid Recirculating Chiller (Coolix 4000)

Model Number:

RC7141G4, RC7141G5, RC7141G7, & RC7141G8

We, Lytron Incorporated, 55 Dragon Court, Woburn, Massachusetts, 01801, USA, declare that the product described above is in conformity with Low voltage Directive 73/23/EEC – European Union (EU) & EMC Directive 89/336/EEC – European Union (EU) using the relevant sections of the following standards and other normative documents:

CENELEC EN 60601-1

Medical Electrical Equipment Part 1: General Requirements for Safety Incorporates Corrigendum July 1994; Includes Amendments A1: 1993, A11: 1993, A12: 1993, A2: 1995, and A13: 1996; IEC 601-1: 1988 + A1: 1991 + A2: 1995 + Corrigendum 1995, Modified

CENELEC EN 60601-1-2-2001

Medical Electrical Equipment Part 1-2: General Requirements for Safety – Collateral Standard: Electromagnetic Compatibility – Requirements and Tests IEC 60601-1-2:2001

This product has been qualified in accordance with the requirements established in Low Voltage Directive 73/23/EEC and EMC Directive 89/336/EEC and is manufactured in compliance with Lytron's registered EN ISO 9001:2000; BS EN ISO 9001:2000; ANSI/ASQ Q9001:2000 Quality System.

Authorized Lytron Representative

9/3/08

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