Lake Shore CRYOTRONICS
a DwyerOmega brand

Recirculating Chillers



Model LS2500-60-208230-1

- Optimized for demanding applications
- Reliable, easy to maintain, and easy to use
- Wide range of cooling capacities

Recirculating chillers from Lake Shore offer high performance for improved cooling capacity for your Hall measurement system, VSM, probe station, or electromagnet application.

To see what chiller is recommended for your application, find your system configuration in the first column of either the 60 Hz operation or the 50 Hz operation table.

See the individual system user guide for water flow rate and water pressure drop requirements.

Always use a flow restrictor or manual valve in the CCR compressor line to control coolant flow.

Please note: chiller power specifications listed are for 100% duty cycle. Many common magnet testing applications such as hysteresis loops will not require as much cooling power. Please consult Lake Shore for chiller recommendations for your specific applications.

60 Hz operation

Lake Shore system model/series	Recommended Lake Shore chiller model 208 to 230 V
2902/3902 (1,500 W)	**LS2500-60-208230-1** 2,500 W, 1-phase
Model 643 (2,000 W)	
EM-4V (magnet only) (2,500 W)	
CRX-6.5K (3,200 W)	**LS5000-60-208230-1** 5,000 W, 1-phase
8404 (4,250 W)	
8604/MCS-EMP-4 (4,250 W)	
EMPX-H2 (4,250 W)	
2904/3904 (5,400 W)	**LS7500-60-208230-3** 7,500 W, 3-phase
Model 648 (6,000 W)	
8404 with CCR (7,450 W)	
EM-7V (magnet only) (8,300 W)	**LS10000-60-208230-3** 10,000 W, 3-phase
CRX-4K (9,000 W)	
8425 with probe station (9,000 W)	
CRX-EM-HF (13,250 W)	**LS15000-60-208230-3** 15,000 W, 3-phase
8407 (13,400 W)	
8607/MCS-EMP-7 (13,400 W)	
8610 (13,400 W)	
8407 with CCR (16,600 W)	**LS20000-60-208230-3** 20,000 W, 3-phase

50 Hz operation

Lake Shore system model/series	Recommended Lake Shore chiller model 200 V	230 V	400 V
2902/3902 (1,500 W)	**LS2200-50-200-1** 2,200 W, 1-phase	**LS2200-50-230-1** 2,200 W, 1-phase	Not available
Model 643 (2,000 W)			
EM-4V (magnet only) (2,500 W)	**LS4400-50-200-1** 4,400 W, 1-phase	**LS4400-50-230-1** 4,400 W, 1-phase	Not available
CRX-6.5K (3,200 W)			
8404 (4,250 W)			
8604/MCS-EMP-4 (4,250 W)			
EMPX-H2 (4,250 W)			
2904/3904 (5,400 W)	Not available	Not available	**LS6425-50-400-3** 6,425 W, 3-phase
Model 648 (6,000 W)			
EM-7V (magnet only) (8,300 W)			
8404 with CCR (7,450 W)			
8425 with probe station (8,500 W)			
CRX-4K (8,500 W)			
CRX-EM-HF (12,750 W)	Not available	Not available	**LS12525-50-400-3** 12,525 W, 3-phase
8407 (13,400 W)	Not available	Not available	**LS16700-50-400-3** 16,700 W, 3-phase
8607/MCS-EMP-7 (13,400 W)			
8610 (13,400 W)			
8407 with CCR (16,600 W)			

Ordering information

60 Hz chillers

LS2500-60-208230-1	2.5 kW, 208 to 230 V chiller
LS5000-60-208230-1	5 kW, 208 to 230 V chiller
LS7500-60-208230-3	7.5 kW, 208 to 230 V chiller
LS10000-60-208230-3	10 kW, 208 to 230 V chiller
LS15000-60-208230-3	15 kW, 208 to 230 V chiller
LS20000-60-208230-3	20 kW, 208 to 230 V chiller

50 Hz chillers

LS2200-50-200-1	2.2 kW, 200 V chiller
LS2200-50-230-1	2.2 kW, 230 V chiller
LS4400-50-200-1	4.4 kW, 200 V chiller
LS4400-50-230-1	4.4 kW, 230 V chiller
LS6425-50-400-3	6.4 kW, 400 V chiller
LS8500-50-400-3	8.5 kW, 400 V chiller
LS12525-50-400-3	12.5 kW, 400 V chiller
LS16700-50-400-3	16.7 kW, 400 V chiller

All specifications are subject to change without notice

Chiller supplied may be equivalent or similar model, subject to availability and application requirements