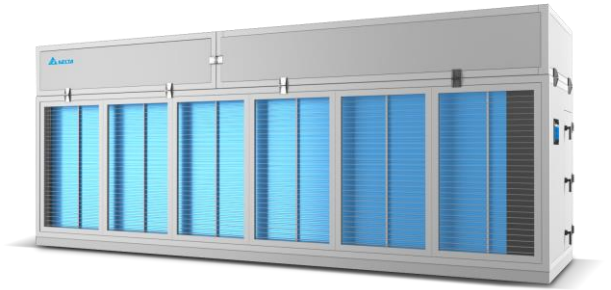


# L-70/90/320

## Room Cooling, Chilled Water

Introducing Delta's L Series room cooling-engineered for superior reliability and efficiency. This advanced chiller offers precise temperature control with intelligent management, energy-efficient EC fans, and ATS. Engineered for high-temperature applications with its advanced heat exchanger design. The Delta L Series combines intuitive controls with superior insulation to deliver optimal performance and protection for your critical cooling needs.



### Superior System Reliability

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- Intelligent Control: built-in MCU adjusts cooling water and air flow to maintain optimal temperature control
- Built-in ATS: automatically switch to backup power feed to ensure uninterrupted operation
- Two-way Ball Valve: stabilizes chilled water flow and prevents fluctuations during power recovery

### Optimized Energy Efficiency

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- EC Fan: adjustable-speed fan (30-100%) for customized energy savings
- Double Wall Panel: high-insulation panels reduce heat loss and enhance energy efficiency
- User-Friendly Touchscreen Control Interface: simplifies system management and monitoring for efficient operation

### Comprehensive Safety Features

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- Alarm System with Smoke Detection: alerts user to system abnormalities and provides early fire warning
- Water Leakage Detection: immediate alerts for any water leakage to protect equipment
- Lockable Access Door: tool-required locking mechanism ensures secure access before startup

## Technical Specifications

Model	L-70	L-90	L-320
Total Cooling Capacity	70 kW <sup>(1)</sup>	88.4 kW <sup>(2)</sup>	320 kW <sup>(3)</sup>
Sensible Cooling Capacity	70 kW	88.4 kW	320 kW
Airflow Rate	11500 CFM	10018 CFM	54086 CFM
<b>DEPLOYMENT</b>			
Maximum Water Flow Rate	133 LPM	180 LPM	633 LPM
Maximum Water Pressure Drop	79.98 kPa	59.98 kPa	97.91 kPa
Water Piping Connection	1 1/2 inch Flange	1 1/2 inch PT Female	3 inch NPT Male
Drain Piping Size	5/8 inch	3/8 inch	1 1/2 inch
Fan Type and Quantity	EC fan x2		EC fan x10
Air Discharge Direction	Front		
<b>POWER SUPPLY</b>			
Nominal Power Supply Voltage	460 Vac, 3P3W	380/400/415 Vac, 3P4W+PE	460 Vac, 3P4W+PE
Operating Voltage Range	414-506 Vac	342-456 Vac	414-506 Vac
Frequency	60 HZ	50/60 Hz	60 Hz
Maximum Power Consumption	8.6 kW	7.2 kW	20.6 kW
Dual Power Feed	Standard		
<b>PHYSICAL</b>			
Dimensions (W x D x H)	2134 x 914 x 2896 mm	1600 x 900 x 2150 mm	2380 x 5900.4 x 1600.2 mm
Net Weight	971 kg	494 kg	2449 kg
<b>COMMUNICATION INTERFACE</b>			
Display	10" color LCD touchscreen		
Port	Modbus TCP (RJ45) x1, Output dry contact x1	Modbus TCP (RS-485) x1, Input dry contact x1, Output dry contact x1	Modbus TCP/IP (RS-485)
<b>CONFORMANCE</b>			
Safety	UL	CE	UL
Seismic Rating	SDC D	GR63 ZONE4	
<b>FEATURES</b>			
Leak Detection	Standard		
Pressure Independent Control Valves (PICV)	Standard	N/A	
Drain Pump	Standard		N/A
Remote Rack Temperature and Humidity	Optional		

(1) Cooling Capacity: At 35°C (95°F) dry bulb, 18.3°C (65°F) wet bulb, and 21.1°C (70°F) inlet water

(2) Cooling Capacity: At 38°C (100.4°F) dry bulb, 23.9°C (75°F) wet bulb, 10°C (50°F) inlet water and 17°C (62.6°F) outlet water

(3) Cooling Capacity: At EAT/LAT 35.6/23.3°C (96/ 74°F), EWT/LWT: 18.3/26.1°C (65/79°F)

All specifications are subject to change without prior notice.



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