



# the **REAL DEAL!** in **CHILLERS** for Dry-Cleaners

**Over 5,000 Installed Worldwide  
Chillers, Towers & Pump/Tanks  
True "Commercial Grade" Components  
Indoor & Outdoor Designs to 20-Tons  
Packages, Split Systems & Modulars  
Proven Reliability and Service Since 1986  
Quick Delivery & Low Cost**



Self-contained packages includes quality Lennox Commercial condensing unit mounted onto a weatherproof aluminum base. The entire refrigeration and pumping system is self contained. Installation is simplified with single point electrical and piping connections.

Ideal for water/glycol mixes operating between 40°F and 70°F.

Standard model is designed for operation down to 20°F winter ambient air temperature. Call us for custom models and suggestions for chillers installed in lower winter ambient temperatures.

High efficiency, low EER designs. Simple controls. Five-year compressor limited warranty. ETL® and MEA listed.

Digital control system for temperature accuracy. Automatic reset low refrigerant pressure safety. Compressors have anti short-cycling timer. Water flow safety switch.

Generously sized epoxy coated steel tank with externally visible tank level sight-glass & convenient liquid fill port.

Split systems include a chiller module and a separate tank/pump system. Components include stainless steel pump, tank and controls. Chiller packages with remote condensers are also available.

ArctiChill is well known for providing dry cleaners with low cost, reliability and serviceability. Name-brand components and knowledgeable service are available worldwide.

**Genuine ArctiChill Quality. You Deserve Nothing Less.**

**CHILLERS FOR DRY CLEANERS**

# Evaporative Cooling - Towers and Tanks

For many dry-cleaners, chilled water is not required. All that is needed is an evaporative cooling tower and a pumping system to deliver 80-85°F water to cool your process equipment. This is easily achievable in low humidity climates. For larger commercial plants, we can provide evaporative towers and matching liquid tanks and pump systems. ArctiChill cooling towers are designed to be reliable, serviceable and low cost to purchase and maintain. We stock towers 20-200 tons.

Proper evaporative tower selection involves many factors including site layout, load bearing members, prevailing wind direction, wet bulb rating, distance to other components and other considerations.

ArctiChill can provide all types of cooling towers from our own economical fiberglass models, to steel cross flow, counter flow and forced draft technologies to meet individual conditions. Cooling tower systems are available with closed-loop and free-cooling options, filtration, heat trace, insulation, elevating structures and other thermal and mechanical requirements.



Fiberglass tower cells are available from 20-200 tons. All models are CTI Rated. Many models are stocked for immediate shipment.

## FIBERGLASS COOLING TOWER FEATURES

- Fan motor is weatherproofed for protection and to reduce noise.
- Housing panels and water basin are built from fiberglass reinforced plastic for rust-free operation even under harsh conditions.
- Sprinkler pipes are sturdy PVC material with closely spaced, self-clearing nozzles allowing thorough water distribution in a self-powered rotating spray covering the entire fill area.
- Round design permits maximum air intake regardless of prevailing wind direction. Intakes include wind screen to prevent debris and animals from entering the cell.
- Large capacity, durable water basin constructed from rust proof materials

## REMOTE TANKS AND PUMPS

Tower cells and chillers require some type of tank and pumping system. Tanks help stabilize a cooling system and provide positive suction head for the pumps. ArctiChill can provide steel, stainless steel and poly tanks in virtually any size. Model shown has dual pumps and enclosure.



# D-Series Chillers - Specifications

## Electrical Data

Model	Tons	Power Supply	Compressors		Fan Motors		Pumps		Total System		
			LRA Amps (ea)	RLA Amps (ea)	Fan HP (ea)	FLA Amps (Total)	HP	FLA Amps (ea)	FLA Amps	Min Circuit	Max Fuse
DACVPV0020S1	2	208-230/60/1	61	12.2	1/6	1.1	1	6.5	21.8	25	35
DACVPV0030S1	3	208-230/60/1	100	16	1/6	1.1	1	6.5	25.6	30	45
DACVPV0030S3		208-230/60/3	77	10.3	1/6	1.1	1	6.5	19.9	22	30
DACVPV0030S4		460/60/3	39	5.1	1/6	0.6	1	1.6	9.3	15	15
DACVPV0050S1	5	208-230/60/1	148	28.8	1/3	1.9	1.5	9.2	41.9	49	70
DACVPV0050S3		208-230/60/3	125	15.4	1/3	1.9	1.5	9.2	28.5	32	45
DACVPV0050S4		460/60/3	60	7.4	1/3	0.9	1.5	2.3	12.6	14	20
DACVPV0060S3	6	208-230/60/3	156	18.6	1/2	3.0	1.5	9.2	32.8	37	50
DACVPV0060S4		460/60/3	75	9.0	1/2	1.5	1.5	2.4	14.9	17	25
DACVPV0075S3	7.5	208-230/60/3	195	28.8	3/4	3.7	1.5	9.2	43.7	51	80
DACVPV0075S4		460/60/3	95	14.7	3/4	1.9	1.5	2.4	21.0	25	35
DACVPV0100S3	10	208-230/60/3	239	37.8	(2) 1/2	6.0	2.0	6.0	51.8	61	90
DACVPV0100S4		460/60/3	125	17.2	(2) 1/2	3.0	2.0	2.8	25.0	29	45
DACVPV0150D3	15	208-230/60/3	195	28.8	(4) 1/3	9.6	3.0	8.9	78.1	86	110
DACVPV0150D4		460/60/3	95	14.7		5.2	3.0	4.2	40.8	45	50
DACVPV0200D3	20	208-230/60/3	239	37.8	(4) 1/3	9.6	3.0	8.9	96.1	106	125
DACVPV0200D4		460/60/3	125	17.2		5.2	3.0	4.2	45.8	51	60

Note: All pumps are selected to deliver a minimum of 40 PSI to meet or exceed OEM specifications.

## Physical Data

Model	Tons	Dimensions, (in)			Weight (Lbs)	Connections, (FPT)		Pump GPM	Tank (US Gal)
		Depth	Width	Height		Inlet	Outlet		
DACVPV0020S..	2	36	34	64	400	3/4	3/4	6	25
DACVPV0030S..	3	36	34	72	425	3/4	3/4	9	25
DACVPV0050S..	5	36	34	72	650	1	1	15	40
DACVPV0060S..	6	50	36	73	850	1-1/4	1-1/4	18	40
DACVPV0075S..	7.5	50	36	79	900	1-1/4	1-1/4	22	40
DACVPV0100S..	10	60	36	84	1,100	1-1/4	1-1/4	30	50
DACVPV0150D..	15	67	60	88	1,800	2	2	45	100
DACVPV0200D..	20	67	60	88	2,000	2	2	60	100

Note: Due to ArctiChills commitment to continuous improvement, standard specifications may change without notice.

# D-Series Chillers - Standards & Options

Component	Standard Specifications	Optional Specifications*
<b>Cabinet</b>	Models 3 through 5 ton have all aluminum, reinforced metal cabinet and frame of attractive, mill finished aluminum. 7.5 tons and above have epoxy coated welded steel frame and attractive, mill finished aluminum panels. Easy access hardware. All cabinets and frames are corrosion resistant and suitable for outdoor installation.	<ul style="list-style-type: none"> <li>Stainless steel cabinet panels</li> <li>Epoxy finishes</li> <li>Custom Colors</li> <li>Engineered frames to accommodate special needs.</li> </ul>
<b>Controls and Safeties</b>	Electronic digital temperature controller, water flow safety switch, manual reset high and auto reset low refrigerant pressure safeties. Fan cycling head pressure control. Compressor anti short-cycle delay timer. Control circuit on/off switch for service convenience.	<ul style="list-style-type: none"> <li>Dual pumps with lead/lag controls</li> <li>Custom designs for operation in low ambient conditions to 0 F</li> <li>Web-based remote diagnostics and alerting</li> <li>Automatic city-water switch over</li> </ul>
<b>Electrical</b>	Models can be specified for 208-230/50 or 60 Hz, single phase. Three phase service is available for 460/60/3, 380/50/3 or 575/60/3 operation. 24 volt control circuit. Single point electrical connections with cabinet earth ground lug. All weather integral electrical panel.	<ul style="list-style-type: none"> <li>Fused or non-fused disconnect</li> <li>Single phase for large models</li> <li>Special voltages</li> </ul>
<b>Indicators</b>	Packaged models have internal tank with externally visible liquid level sight glass.	<ul style="list-style-type: none"> <li>Water temperature and pressure</li> <li>Water flow rate indicator</li> </ul>
<b>Refrigeration</b>	R-22 refrigerant on all models. 3 through 10 ton models are single circuit. 15 ton and larger have dual refrigerant circuits. Liquid line filter dryer, externally equalized thermal expansion valve on each circuit. Refrigeration components are premium quality, name brand commercial grade for reliability and worldwide serviceability.	<ul style="list-style-type: none"> <li>Alternate refrigerants</li> <li>Redundant circuits with staged capacity control</li> <li>Modular refrigeration systems that can expand as you grow</li> </ul>
<b>Air Cooled Condensers</b>	Lennox "Commercial Grade" condensing units for higher dependability. Enhanced seamless copper tubing. Mechanically bonded aluminum fins. Integral subcooling. Overload protected TEAO fan motors. Aluminum fans set into deep venturis.	<ul style="list-style-type: none"> <li>Custom split systems using remote condensers</li> <li>Coated or copper fins for corrosion resistance</li> <li>High ambient and altitude designs</li> </ul>
<b>Compressors</b>	Models 3 through 5 tons have hermetic reciprocating compressors. Models 6 through 10 tons have hermetic Scroll compressors. 15 ton and larger have dual Scroll compressors in independent circuits. All compressors have a 5-year warranty.	<ul style="list-style-type: none"> <li>Custom systems with redundant circuits using reciprocating, scroll, or rotary screw technologies.</li> </ul>
<b>Evaporators</b>	Coaxial type with enhanced performance copper tubing. Heat exchangers are UL, ARI listed and/or certified. Rated for 300 PSI water side. Closed cell insulation.	<ul style="list-style-type: none"> <li>Special construction materials</li> <li>Shell &amp; tube (small models)</li> <li>Dual circuit evaporators</li> </ul>
<b>Water Piping</b>	Heavy grade copper tubing on all pressure lines. Drains, fills and other non-pressure water lines are nylon braid reinforced poly tubing.	<ul style="list-style-type: none"> <li>Automatic city-water switchover panels in case of loss of flow from the chiller</li> </ul>
<b>Reservoirs</b>	High volume, insulated epoxy coated steel tank.	<ul style="list-style-type: none"> <li>Special tank sizes</li> <li>Remote pump/tank designs</li> </ul>
<b>Pumps</b>	All stainless steel, high head pressure, end suction centrifugal designs.	<ul style="list-style-type: none"> <li>Dual lead/lag configurations</li> <li>Higher pressure designs</li> </ul>
<b>Refrigeration Piping</b>	Refrigerant piping is rigid copper with service valves. Insulated suction lines prevents condensation. Charging ports are furnished on both liquid and suction lines. Compressor isolation service valves are provided.	<ul style="list-style-type: none"> <li>Custom packaged or split system designs to hundreds of tons.</li> <li>Modular refrigeration systems that can expand as you grow</li> </ul>
<b>Warranty</b>	One year parts, five year limited compressor warranty from Lennox Industries.	<ul style="list-style-type: none"> <li>Extended parts &amp; labor warranty</li> <li>Guaranteed emergency response</li> <li>Factory start-up and maintenance</li> </ul>

\*NOTE: Optional Specifications may not be available on D-Series. ArctiChill P-Series can accommodate all Options.

Distributed By:



**ArctiChill**  
 200 Park Avenue  
 Newberry, SC 29108  
 Phone: (803) 321-1891  
 Fax: (803) 321-1898



**TOLL FREE - 1-800-849-7778**

[www.arctichill.com](http://www.arctichill.com)