

25 to 100 Ton Capacity Custom Capacities Available

LRC's Vertical Air Cooled Condensers (VC) are rugged, dependable units designed to provide years of reliable service. Each unit is manufactured to deliver maximum heat transfer efficiency with minimum energy requirements. Available in 25 to 100-ton capacities, LRC's remote, belt driven Vertical Air Cooled Condensers are designed to meet almost any project requirements, and are thoroughly tested to guarantee reliable performance. LRC's experienced team of Application Engineers can design a single Air Cooled Condenser unit or OEM models to meet your specific needs.

- Standard VC units can be ordered in capacities ranging from 25 to 100 nominal tons, and any unit can be custom designed to meet your needs
- Large diameter fans have fewer moving parts and are more reliable
- Fan guards are zinc coated for long life
- Fans are individually baffled to prevent short circuiting during fan cycling
- Interior maintenance points are easily accessible
- Galvanized steel casing provides corrosion protection for years of service
- Motors are factory wired to a control box for easy installation
- Vertical air discharge standard, horizontal discharge also available
- Efficient coil design ensures maximum heat transfer capability
- Refrigerants – R22, R134A, R404A, R410, R502 and R507



Options Available – Call for details

Multi-circuiting

Controlling multiple refrigeration systems with a single VC unit is available upon request

Flooded condenser

3-way modulating valves (controlled by discharge pressure) can be installed prior to shipping

Motors

High efficiency motors available to save energy. Low RPM, low noise units, and variable speed fan motors and controls are available, call for details

Fins

8 to 14 fins per inch available. Copper fins, or phenolic, epoxy, or polyester coated aluminum fins can be ordered.

Sub-cooling unit

Can be built into the condenser upon request

Custom Configurations

Units can be designed to meet any unique or specialized application. Call LRC's Application Engineers for more information.

Product Number Designation Example

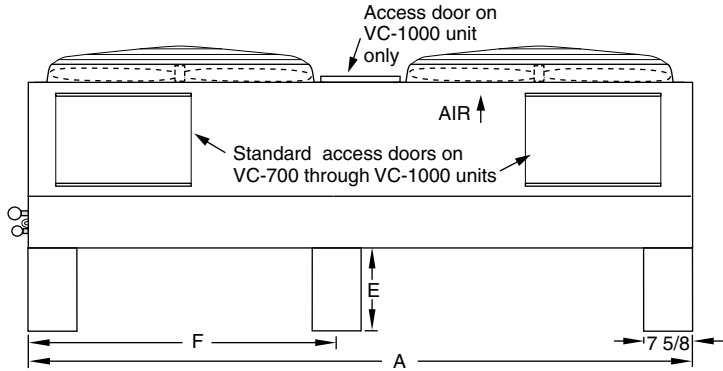
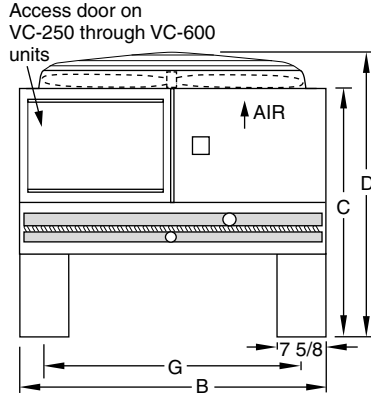
VC-500 can be broken down as
VC = Vertical Air Cooled
Condenser

500 = BTU/H times 10,000

VC-500 =

Vertical Air cooled condenser
producing 500,000 BTU/H at a
20 T.D.





VC Dimensional Data

Model No.	A	B	C	D	E	F	G
VC-250	89	59	46	50 1/2	18	-	51 3/8
VC-300	119	59	48	52 1/2	18	56 1/4	51 3/8
VC-350	119	59	48	52 1/2	18	56 1/4	51 3/8
VC-400	119	59	48	52 1/2	18	56 1/4	51 3/8
VC-450	119	59	48	52 1/2	18	56 1/4	51 3/8
VC-500	119	59	48	52 1/2	18	56 1/4	51 3/8
VC-600	146 1/2	59	48	52 1/2	18	70	51 3/8
VC-700	146 1/2	83 1/2	52	56 1/2	22	70	75 7/8
VC-800	146 1/2	83 1/2	52	56 1/2	22	70	75 7/8
VC-900	146 1/2	83 1/2	52	56 1/2	22	70	75 7/8
VC-1000	165	83 1/2	52	56 1/2	22	79 1/4	75 7/8

Notes

- All Dimensions are in inches.
- All mounting holes are 1/2" diameter.
- Units are available in horizontal air flow arrangements. Contact LRC's Applications Engineers for details.

Our Application Engineers can help you design the system you need. Call us today, 562-944-1969, and we'll get you the right LRC product for your project.

Physical Data

Model No.	CFM	Fan Dia	Motor HP	230V AMPS	Inlet (MPT)	Outlet (MPT)	Unit Weight
VC-250	17,950	36	(2) 2	12.4	2 1/8	1 3/8	1,100
VC-300	27,880	42	(2) 3	16.8	2 1/8	1 3/8	1,200
VC-350	29,660	42	(2) 3	16.8	2 1/8	1 3/8	1,450
VC-400	28,750	42	(2) 3	16.8	2 1/8	1 3/8	1,580
VC-450	28,500	48	(2) 3	16.8	(2) 2 1/8	(2) 1 5/8	1,850
VC-500	28,100	48	(2) 3	16.8	(2) 2 1/8	(2) 1 5/8	2,000
VC-600	34,670	48	(2) 5	27.2	(2) 2 1/8	(2) 1 5/8	2,200
VC-700	44,150	48	(2) 7.5	40.8	(2) 2 1/8	(2) 1 5/8	2,390
VC-800	60,800	48	(2) 7.5	40.8	(2) 2 5/8	(2) 2 1/8	2,500
VC-900	59,250	48	(2) 7.5	40.8	(2) 2 5/8	(2) 2 1/8	3,440
VC-1000	65,930	48	(3) 5	40.8	(2) 2 5/8	(2) 2 1/8	3,700

OUR UNCONDITIONAL GUARANTEE

We're proud of the workmanship that goes into every LRC product. Because of our exacting design and manufacturing standards, and our thorough testing prior to shipping, we unconditionally guarantee our products to be free from manufacturing defects for one year. You can count on LRC Coil for quality heat transfer products.

At LRC, we are continuously working to improve our products, therefore, we reserve the right to make changes without notice.

Capacities

Model No.	# of Cir.	Max # Circuits	Cap./ Cir. (lbs.)	Condenser capacities for R22					
				1°TD	10°TD	15°TD	20°TD	25°TD	30°TD
VC-250	4	32	1.0	12.70	127.0	190.5	254.0	317.5	381.0
VC-300	4	32	1.3	14.80	148.0	222.0	296.0	370.0	444.0
VC-350	4	32	1.3	17.72	177.2	265.8	354.4	443.0	531.6
VC-400	8	32	1.3	20.71	207.1	310.7	414.2	517.8	621.3
VC-450	8	32	1.3	23.29	232.9	349.4	465.8	582.3	698.7
VC-500	8	32	1.3	25.32	253.2	379.8	506.4	633.0	759.6
VC-600	8	32	1.6	30.46	304.6	456.9	609.2	761.5	913.8
VC-700	8	46	1.6	36.17	361.7	542.6	723.4	904.3	1,085.1
VC-800	8	46	1.6	39.97	399.7	599.6	799.4	999.3	1,199.1
VC-900	8	46	1.6	45.66	456.6	684.9	913.2	1,141.5	1,369.8
VC-1000	8	46	1.8	50.57	505.7	758.6	1,011.4	1,264.3	1,517.1

