

## LORC, LNQ, LNH SERIES OUTDOOR AIR-COOLED REMOTE CONDENSERS

### STANDARD FEATURES

- VERTICAL DISCHARGE
- WEATHER-TIGHT ELECTRICAL ENCLOSURE
- COMPUTER DESIGNED CONDENSER COILS
- FULL-FLOODING SYSTEM (-20 F CAPABILITY)
- FULLY ASSEMBLED ON HEAVY SKIDS



### CABINETS

Designed for outdoor installation and constructed from heavy embossed aluminum with galvanized steel frame and legs. All fans shown in this guide are single row wide with double wide as a non-stocked option. Cabinets can be set up in a vertical or horizontal discharge configuration.

### FAN MOTORS

Continuous duty, permanently lubricated, sealed ball bearing with automatic reset thermal overload protection. Single and three phase models available on most units. Direct drive fan motors feature patent-pending "Service Ease"™ motor mount system.

### DEFINITION OF "QUIET" AND "STANDARD" REMOTE CONDENSERS

It is strongly recommended that where there is a choice of STANDARD and QUIET models shown that the QUIET model be selected where low operating sound is necessary such as all hotel and motel applications or where operating noise can impact personal quality of life. LORC-850 (850RPM) and all LNQ (540 RPM) models are quiet models. The balance of the LORC and LNH models exhibit standard commercial operating sound characteristics. As a bonus these condensers are also the most energy efficient available.

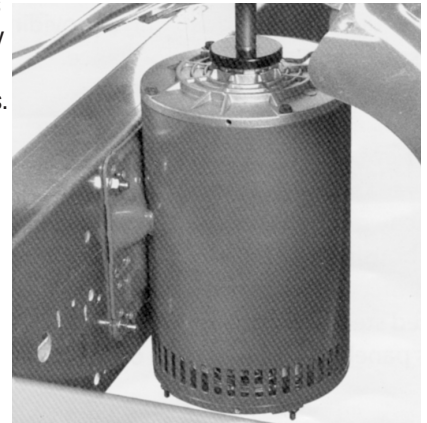
### CONDENSER COILS

Feature the patented "Floating Tube"™ designed to virtually eliminate tube sheet leaks. Internal baffles are provided between all fan cells. Condensers up to 3 fans in length use 3/8" diameter tube to minimize refrigerant charge. Condensers

using 4 or more fans in length use 1/2" diameter to minimize refrigerant pressure drop. Condensers shown will utilize fin spacing between 8 and 12 fins per inch depending on the model. 18 gauge galvanized steel casing and .808 inch aluminum tube sheets with fins mechanically expanded into 3/8" and 1/2" copper tubes.

### FAN BLADES

Patented "QuietEdge"™ technology is used throughout for improved sound performance. Dynamically balanced propeller blades with painted steel hubs and two set screws spaced 90 degrees apart. Fan guards are close meshed steel wire with a vinyl coating.



### ELECTRICAL ENCLOSURES

All models are equipped with a weather-tight electrical enclosure containing the contactor or contractors and terminal board. Units with two or more fans also have fan cycle controls in the electrical box.

### CERTIFICATION

All remote condensers are tested to exacting safety standards and are listed by Underwriter Laboratories for United States and Canadian installations.

# LORC SERIES OUTDOOR AIR-COOLED REMOTE CONDENSERS

## ELECTRICAL DATA AND GENERAL INFORMATION

DCA Model Numbers	Circuit(s)		Connections		No. of Fans	MCA / MOPD			Shipping Weight	Operating Weight	
	S-Single	D-Dual (Even) D2-Dual (Uneven)	No. of Connections	Supply O.D.		Return O.D.	208/230 1 PH	208/230 3 PH			460 3 PH
LORC-1.5	S		1 each	3/8	3/8	1	15.0/15	15.0/15	15.0/15	96	102
LORC-2	S		1 each	7/8	5/8	1	15.0/15	15.0/15	15.0/15	96	102
LORC-3	S		1 each	7/8	5/8	1	15.0/15	15.0/15	15.0/15	122	114
LORC-4	S		1 each	7/8	5/8	1	15.0/15	15.0/15	15.0/15	145	135
LORC-5	S		1 each	1 1/8	7/8	1	15.0/15	15.0/15	15.0/15	193	180
LORC-5R	S		1 each	1 1/8	7/8	1	15.0/15	15.0/15	15.0/15	195	182
LORC-5-850	S		1 each	1 1/8	7/8	1	15.0/15	N/A	N/A	195	182
LORC-8	S		1 each	1 1/8	7/8	1	15.0/15	15.0/15	15.0/15	380	283
LORC-8-850	S		1 each	1 1/8	7/8	1	15.0/15	N/A	N/A	380	283
LORC-10	S		1 each	1 1/8	7/8	2	15.0/15	15.0/15	15.0/15	470	455
LORC-10-850	S		1 each	1 1/8	7/8	2	15.0/15	N/A	N/A	470	455
LORC-12	S		1 each	1 1/8	7/8	2	15.0/15	15.0/15	15.0/15	490	468
LORC-12-85	S		1 each	1 1/8	7/8	2	15.0/15	N/A	N/A	490	468
LORC-14	S		1 each	1 1/8	7/8	2	15.0/15	15.0/15	15.0/15	531	510
LORC-16	S		1 each	1 3/8	1 1/8	2	15.0/15	15.0/15	15.0/15	550	530
LORC-21	D		2 each	1 5/8	1 1/8	3	15.0/15	15.0/15	15.0/15	570	550
LORC-23	D		2 each	1 5/8	1 1/8	3	15.0/15	15.0/15	15.0/15	600	580
LORC-26	D		2 each	1 5/8	1 1/8	3	15.0/15	15.0/15	15.0/15	648	625
LNQ-S01-A005-8	S		1 each	1 3/8	1 3/8	1	N/A	15.0/15	15.0/15	345	330
LNQ-S01-A005-10	S		1 each	1 3/8	1 3/8	1	N/A	15.0/15	15.0/15	345	330
LNQ-S01-A005-12	S		1 each	1 3/8	1 3/8	1	N/A	15.0/15	15.0/15	345	330
LNQ-S01-A006-10	S		1 each	1 3/8	1 3/8	1	N/A	15.0/15	15.0/15	380	360
LNQ-S02-A008-8	S/D		1 or 2 ea.	1 1/8	1 1/8	2	N/A	15.0/15	15.0/15	605	580
LNQ-S02-A008-10	S		1 each	1 3/8	1 3/8	2	N/A	15.0/15	15.0/15	605	580
LNQ-S02-A008-12	S		1 each	1 1/8	1 1/8	2	N/A	15.0/15	15.0/15	605	580
LNQ-S02-A010-10	S		1 each	1 5/8	1 5/8	2	N/A	15.0/15	15.0/15	655	630
LNQ-S02-A010-12	S/D		1 or 2 ea.	1 5/8	1 5/8	2	N/A	15.0/15	15.0/15	655	630
LNQ-S02-A011-10	D		2 each	2 1/8	2 1/8	2	N/A	15.0/15	15.0/15	710	680
LNQ-S03-A016-8	S/D		1 or 2 ea.	1 3/8	1 3/8	3	N/A	15.0/20	15.0/15	975	930
LNQ-S03-A016-12	D		2 each	1 3/8	1 3/8	3	N/A	15.0/20	15.0/15	975	930
LNQ-S04-A021-10	D		2 each	1 5/8	1 5/8	4	N/A	15.0/20	15.0/15	1270	1210
LNQ-S04-A021-10	D2		2 each	See Note*		4	N/A	15.0/20	15.0/15	1270	1210
LNQ-S04-A023-12	D		2 each	2 1/8	2 1/8	4	N/A	15.0/20	15.0/15	1270	1210
LNQ-S04-A023-12	D2		2 each	See Note*		4	N/A	15.0/20	15.0/15	1270	1210
<b>*Note: Duel Uneven Circuits Consult Factory for Connection Size</b>											
LNH-S01-A007-10	S		1 each	1 3/8	1 3/8	1	N/A	15.0/25	15.0/15	345	330
LNH-S01-A007-12	S		1 each	1 3/8	1 3/8	1	N/A	15.0/25	15.0/15	345	330
LNH-S01-A009-10	S		1 each	1 3/8	1 3/8	1	N/A	15.0/25	15.0/15	345	360
LNH-S01-A009-12	D		2 each	1 1/8	1 1/8	1	N/A	15.0/25	15.0/15	345	360
LNH-S02-A011-10	D		2 each	1 1/8	1 1/8	2	N/A	15.0/35	15.0/15	610	580
LNH-S02-A011-12	D		2 each	1 1/8	1 1/8	2	N/A	15.0/35	15.0/15	610	580
LNH-S02-A015-08	S		1 each	1 5/8	1 5/8	2	N/A	15.0/35	15.0/15	660	630
LNH-S02-A015-10	D		2 each	1 5/8	1 5/8	2	N/A	15.0/35	15.0/15	660	630
LNH-S02-A015-10	D2		2 each	See Note*		2	N/A	15.0/35	15.0/15	660	630
LNH-S02-A017-10	D		2 each	1 3/8	1 3/8	2	N/A	15.0/35	15.0/15	720	680
LNH-S02-A017-10	D2		2 each	See Note*		2	N/A	15.0/35	15.0/15	720	680
LNH-S03-A022-8	D		2 each	1 3/8	1 3/8	3	N/A	15.0/40	15.0/20	975	930
LNH-S03-A022-10	D		2 each	1 3/8	1 3/8	3	N/A	15.0/40	15.0/20	975	930
LNH-S03-A026-10	D2		2 each	See Note*		3	N/A	15.0/40	15.0/20	975	930
LNH-S03-A026-10	D		2 each	1 5/8	1 5/8	3	N/A	15.0/40	15.0/20	1075	1000

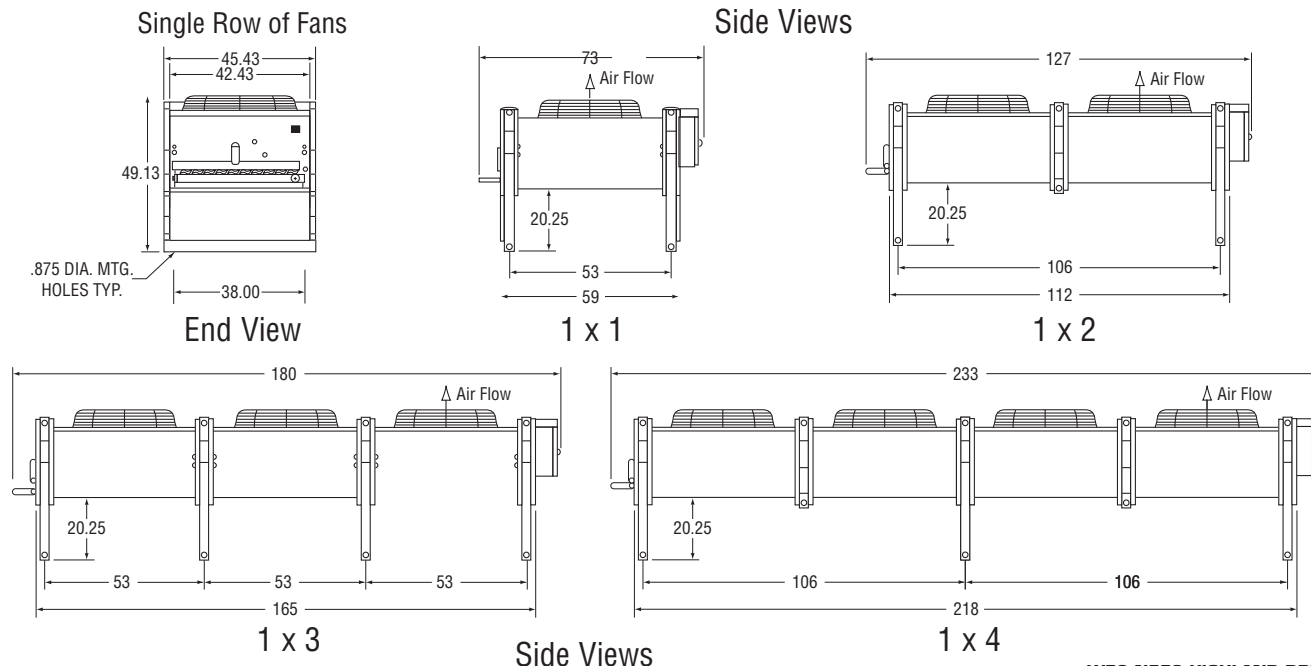
## CONDENSER SELECTION GUIDE

DCA MODEL NUMBER	LINE SIZE (O.D.)		PHASE	AMBIENT MODEL		
	SUPPLY	RETURN		95°F	100°F	105°F
DCA500/500WH	5/8"	3/8"	1&3	LORC-1.5	LORC-2	LORC-3
DCA900/DCA900WH	5/8"	3/8"	1&3	LORC-2	LORC-3	LORC-4
DCA1400/DCA1400WH	5/8"	1/2"	1&3	LORC-3	LORC-4	LORC-5
DCA2000/DCA2000WH						
STANDARD	7/8"	1/2"	1	LORC-4	LORC-5R	LORC-8
STANDARD	7/8"	1/2"	3	LORC-4	LORC-5R	LNQ-S01-A005-8
QUIET	7/8"	1/2"	1	LORC-5-850	LORC-5R-850	LORC-10-850
QUIET	7/8"	1/2"	3	N/A	N/A	LNQ-S01-A005-8
DCA2500/DCA2500WH						
STANDARD	7/8"	1/2"	1	LORC-5R	LORC-8	LORC-10-850
STANDARD	7/8"	1/2"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A005-8
QUIET	7/8"	1/2"	1	LORC-8-85	LORC-8-85	LORC-10-85
QUIET	7/8"	1/2"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A005-8
DCA3000/DCA3000WH						
STANDARD	7/8"	5/8"	1	LORC-8	LORC-8	LORC-10
STANDARD	7/8"	5/8"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A005-8
QUIET	7/8"	5/8"	1	LORC-8-850	LORC-8-850	LORC-10-850
QUIET	7/8"	5/8"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A005-8
DCA3300/DCA3300WH						
DCA3500/DCA3500WH			(1 phase only)			
STANDARD	7/8"	1/2"	1	LORC-8	LORC-10	LORC-12
STANDARD	7/8"	1/2"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A006-10
QUIET	7/8"	1/2"	1	LORC-10-850	LORC-12-850	N/A
QUIET	7/8"	1/2"	3	LNQ-S01-A005-8	LNQ-S01-A005-8	LNQ-S01-A006-10
DCA3800/DCA3800WH						
STANDARD	1 1/8"	5/8"	1	LORC-10	LORC-12	LORC-14
STANDARD	1 1/8"	5/8"	3	LNQ-S01-A005-10	LNQ-S01-A005-12	LNH-S01-A007-10
QUIET	1 1/8"	5/8"	1	LORC-12-850	LORC-12-850	N/A
QUIET	1 1/8"	5/8"	3	LNQ-S01-A005-10	LNQ-S01-A005-12	LNQ-S02-A008-8
DCA4000/DCA4000WH			(1 phase only)			
DCA4200/DCA4200WH	1 1/8"	7/8"				
STANDARD	1 1/8"	7/8"	1	LORC-12	LORC-14	LORC-16
STANDARD	1 1/8"	7/8"	3	LNQ-S01-A005-12	LNH-S01-A007-10	LNH-S01-A009-10
QUIET	1 1/8"	7/8"	1	LORC-12-850	N/A	N/A
QUIET	1 1/8"	7/8"	3	LNQ-S01-A005-12	LNQ-S02-A008-8	LNQ-S02-A008-12
DCA5400/DCA5400WH						
STANDARD	1 1/8"	7/8"	1	LORC-14	LORC-16	LORC-21
STANDARD	1 1/8"	7/8"	3	LNH-S01-A007-10	LNH-S01-A007-12	LNH-S02-A011-10
QUIET	1 1/8"	7/8"	1	N/A	N/A	N/A
QUIET	1 1/8"	7/8"	3	LNQ-S02-A008-8	LNQ-S02-A008-10	LNQ-S02-A010-10
DCA7000/DCA7000WH						
STANDARD	1 3/8"	7/8"	1	LORC-12	LORC-21	LORC-26
STANDARD	1 3/8"	7/8"	3	LNH-S01-A009-10	LNH-S01-A011-10	LNH-S02-A015-8
QUIET	1 3/8"	7/8"	1	N/A	N/A	N/A
QUIET	1 3/8"	7/8"	3	LNQ-S02-A008-12	LNQ-S02-A010-12	LNQ-S03-A016-8

**CONDENSER SELECTION GUIDE CONTINUED**

DCA MODEL NUMBER	LINE SIZE (O.D.)		PHASE	AMBIENT MODEL		
	SUPPLY	RETURN		95°F	100°F	105°F
<b>DCA8000/DCA8000WH</b>			(Dual Circuit)			
<b>STANDARD</b>	(2) 1 1/8"	(2) 5/8"	1	LORC-21	LORC-23	LORC-26
<b>STANDARD</b>	(2) 1 1/8"	(2) 5/8"	3	LNH-S01-A009-12	LNH-S02-A011-12	LNH-S02-A015-10
<b>QUIET</b>	(2) 1 1/8"	(2) 5/8"	1	N/A	N/A	N/A
<b>QUIET</b>	(2) 1 1/8"	(2) 5/8"	3	LNQ-S02-A010-8	LNQ-S02-A011-10	LNQ-S03-A016-8
<b>DCA9000/DCA9000WH</b>			(dual circuit)			
<b>STANDARD</b>	(2) 1 1/8"	(2) 7/8"	1	LORC-21	LORC-26	N/A
<b>STANDARD</b>	(2) 1 1/8"	(2) 7/8"	3	LNH-S02-A011-10	LNH-S02-A015-10	LNH-S02-A017-10
<b>QUIET</b>	(2) 1 1/8"	(2) 7/8"	1	N/A	N/A	N/A
<b>QUIET</b>	(2) 1 1/8"	(2) 7/8"	3	LNQ-S02-A010-10	LNQ-S03-A016-8	LNQ-S03-A016-12
<b>DCA11000/DCA11000WH</b>			(dual circuit)			
	1 1/8" - 1 3/8"	5/8" - 7/8"	(dual circuit)			
<b>STANDARD</b>	1 1/8" - 1 3/8"	5/8" - 7/8"	1	LORC-26	N/A	N/A
<b>STANDARD</b>	1 1/8" - 1 3/8"	5/8" - 7/8"	3	LNH-S02-A015-10	LNH-S02-A017-10	LNH-S03-A022-10
<b>QUIET</b>	1 1/8" - 1 3/8"	5/8" - 7/8"	1	N/A	N/A	N/A
<b>QUIET</b>	1 1/8" - 1 3/8"	5/8" - 7/8"	3	LNQ-S03-A016-8	LNQ-S03-A016-12	LNQ-S04-A021-10
<b>DCA14000/DCA14000WH</b>			(dual circuit)			
<b>STANDARD</b>	(2) 1 3/8"	(2) 7/8"	1	N/A	N/A	N/A
<b>STANDARD</b>	(2) 1 3/8"	(2) 7/8"	3	LNH-S01-A017-10	LNH-S03-A022-8	LNH-S03-A026-10
<b>QUIET</b>	(2) 1 3/8"	(2) 7/8"	1	N/A	N/A	N/A
<b>QUIET</b>	(2) 1 3/8"	(2) 7/8"	3	LNQ-S03-A016-10	LNQ-S04-A021-10	LNQ-S04-A023-12

**CONDENSER DIMENSIONS**



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