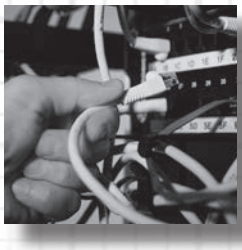
LK-HCUTB
August 2013
Replaces LK-HCUTB, April 2011






3 - 22 HP Condensing Units

Technical Guide

Discus & Scroll Models

LARKIN

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Nomenclature							
L **Model**	**D** **Compressor**	**T** **Application**	**0500** **Equiv. HP**		**L** **Temperature**	**6** **Refrigerant**	**C** **Voltage**
L = Larkin	D = Discus® Z = Scroll®	T = Outdoor N = Indoor S = Beacon II™	0300 = 3HP 0400 = 4HP 0500 = 5HP 0501 = 5HP 0600 = 6HP 0601 = 6HP 0650 = 6.5HP 0700 = 7HP 0750 = 7.5HP	0751 = 7.5HP 0800 = 8HP 0860 = 8.5HP 0900 = 9HP 1000 = 10HP 1200 = 12HP 1300 = 13HP 1401 = 14HP 1500 = 15HP 2200 = 22HP	M = Med. Temp. L = Low Temp.	2 = R-22* 6 = R-404A, R-507	C = 208-230/3/60 (200-220/3/50)* D = 460/3/60 (380-420/3/50)* E = 575/3/60 *Limited by compressor model

* R-22 for low temperature Scroll models only

STANDARD FEATURES

- Floating Tube™ coil design
- Suction and discharge vibration eliminators with Discus® compressors
- Spring mounting with Discus® compressors
- Fixed high and adjustable low pressure switches
- Discharge line check valve with medium and low temperature Scroll® compressors
- Discharge line thermostat with medium temperature Scroll® compressors
- Liquid injection solenoid valve and capillary tube with low temperature Scroll® compressors
- Manual pump-down switch
- Refrigeration-duty, rifled copper condenser tubing
- Crankcase heater and head pressure valve on all outdoor units
- Sight glass and permanent liquid line filter

Better Performance

- Enhanced grill design gives 25% to 40% increase in free-air area
- Electrical box relocated out of air stream
- Vertical receiver needs less refrigerant for liquid seal

Faster Access

- Base valve and high & low pressure taps on outside of unit
- Removable grill for access to all serviceable parts
- Improved access to fan motors & components
- Lighter, one-piece top
- Easy-to-view sight glass location

Easier Service

- Better access to components for easier repair
- Compact design allows for better jobsite placement & installation
- Dual isolation valves on receiver

Greater Reliability

- Floating Tube™ coil design eliminates tube-sheet leaks
- Pre-bent tubing reduces mechanical joints
- State-of-the-art factory leak-detection ensures highest quality

E Solutions branded products and options are designed to exceed current energy and environmental standards. It is our commitment in environmental innovation to dedicate ourselves by delivering energy efficient eco-conscious choices. Products included in the **E Solutions** portfolio reduce costs, improve bottom lines, and enhance equipment performance and service life.

The Beacon II™ Refrigeration System with Smart Defrost and the factory-installed Smart Defrost Kit™ are **E Solutions** options that will optimize your savings and increase energy efficiency.

Smart Defrost Kit™

The Smart Defrost Kit (SDK), available as a factory-installed option is a control module that can reduce the number of defrosts by up to 40% on a typical commercial refrigeration system. This reduces energy consumption and costs.

Beacon II™ Refrigeration System

Beacon II™ is the next generation of Larkin's patented, preassembled, factory installed refrigeration system featuring an integrated microcomputer-based electronic control board. The Beacon II™ systems come completely factory installed, wired and tested saving you time and money.

Beacon II™ offers:

- Complete factory installation, wiring and testing which saves time and money
- Simple field electrical connections and 24 volt wiring between condensing and evaporator units
- Preset factory superheat allowing the system to run more efficiently and reducing future adjustments
- Monitors and controls box temperature, evaporator superheat, condenser fan cycling on two fan units, system status and defrost from outside the box
- Monitor and make system changes remotely via modem and exclusive Beacon II™ Smart II software
- Data logging capabilities with Smart Controller

Beacon II™ Smart Controller

Beacon II™ Smart Controller is an optional system monitoring and programming control device. It allows for adjustments to be made at the push of a button from a conveniently mounted location. The Beacon II™ Smart Controller also allows you to monitor and make changes to the refrigeration system via modem connection from anywhere in the world. The Beacon II™ has been updated to allow the user to make even more precise adjustments than the original Beacon's Smart Controller. One Smart Controller can program and control up to four separate condensing units with up to four evaporators on each system. That's more control in your hands!

Beacon II™ Smart II Software

Beacon II™ Smart II Software makes it easy to adjust and monitor one or more refrigeration systems as well as capture minute by minute system conditions. This Windows-based software allows you to connect to the Beacon II™ Smart Controller from anywhere in the world to monitor the systems, make adjustments and log minute by minute system conditions. This data logging capability is critical in the food service industry.

Beacon II™ Smart Defrost

The Beacon II™ Smart Defrost, available only on the Beacon II™ Smart Controller, enables the Beacon II™ system to sense frost accumulation and initiates defrost only when it is necessary. To begin, preset defrost times using the Beacon II™ Smart Controller. At each scheduled defrost time, Smart Defrost checks system performance to see if a defrost is necessary. If not, it simply does not defrost, waiting until the next scheduled defrost time.

Scroll® Compressors

Larkin condensing units are available with Copeland's Scroll® compressor. Copeland's Scroll® compressors are hermetically sealed so no service is required. The Scroll's® ability to handle liquid refrigerant makes it extremely reliable and, in low temperature applications, liquid injection is provided to lower discharge temperatures under adverse conditions. Also, nuisance oil safety trips are eliminated because the Scroll® doesn't require an oil pressure sensing device.

Electrical Options	Mechanical Options
• Smart Defrost Kit™ (SDK)	• Head pressure valve on indoor units
• Crankcase heater on indoor units	• Mounted liquid line solenoid valve
• Mounted fused disconnect	• Replaceable core liquid line filter/drier
• Fan cycling	• Permanent suction line filter
• Low ambient kit (Heated & insulated receiver with low pressure cut-out time delay)	• Replaceable core suction line filter
• Defrost timer for air defrost	• Suction accumulator
• Defrost timer & contactor for electric defrost includes evaporator fan subfusing (Only the large 2 fan units have evaporator fan sub-fusing included as standard in the Electric Defrost kit)	• Oil separator
• Beacon II™ kits (see Beacon II™ section for details)	• Polyester condenser fin coating
• Electric Defrost Fusing (includes evaporator fan fusing on 1 fan and 2 fan units)	• Copper finned coil
• Dual-pressure control*	• Oversized receiver
• Adjustable high pressure control with manual reset*	• Slanted louver for snowbelt regions (not available with indoor unit)
• Phase-loss monitor*	• 12" extended legs for snowbelt regions
• Compressor fusing*	• Hail guards
• Circuit breaker circuit protection for compressor, condenser fan and control circuit*	• NEMA contactors*
	• Compressor unloading (one step)*

* Available on large two-fan cabinet only

CONDENSER CAPACITY

R-22 Discus® Compressors - Medium Temperature Applications

Unit Model Number	Compressor Model	Suction Temp. °F	Suction Temp. psig	90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
LD*0500M6	2DC3R53KE	40	69	58,950	**57,000**	55,050	51,130
		30	55	49,590	**47,830**	46,050	42,510
		25	50	45,060	**43,380**	41,690	38,320
		20	43	40,670	**39,060**	37,460	34,240
		10	33	32,430	**30,960**	29,500	26,560
LD*0501M6	2DD3R63KE	40	69	66,260	**64,090**	61,910	57,540
		30	55	56,150	**54,200**	52,250	48,330
		25	50	51,220	**49,380**	47,530	43,820
		20	43	46,420	**44,680**	42,930	39,430
		10	33	37,360	**35,800**	34,230	31,100
LD*0750M6	2DL3R78KE	40	69	81,780	**79,200**	76,600	71,400
		30	55	69,770	**67,480**	65,190	60,590
		25	50	64,000	**61,860**	59,710	55,420
		20	43	58,450	**56,450**	54,460	50,460
		10	33	48,200	**46,500**	44,800	41,400
LD*0751M6	2DA3R89KE	40	69	96,300	**93,130**	89,960	83,620
		30	55	81,470	**78,700**	75,920	70,380
		25	50	74,510	**71,930**	69,350	64,200
		20	43	67,940	**65,540**	63,150	58,380
		10	33	56,140	**54,120**	52,100	48,060
LD*0800M6	3DA3R10ME	40	69	116,560	**113,110**	109,650	102,720
		30	55	99,580	**96,520**	93,460	87,330
		25	50	91,330	**88,450**	85,570	79,800
		20	43	83,330	**80,610**	77,890	72,460
		10	33	68,320	**65,890**	63,450	58,590
LD*1000M6	3DB3R12ME	40	69	135,700	**131,720**	127,680	119,590
		30	55	116,150	**112,540**	108,940	101,740
		25	50	106,650	**103,250**	99,850	93,060
		20	43	97,430	**94,230**	91,030	84,640
		10	33	80,110	**77,290**	74,450	68,800
LD*1200M6	3DF3R15ME	40	69	152,900	**148,190**	143,480	NA
		30	55	130,010	**125,900**	121,790	113,580
		25	50	119,030	**115,210**	111,390	103,750
		20	43	108,500	**104,950**	101,400	94,320
		10	33	89,220	**86,170**	83,140	77,080
LD*1500M6	3DS3R17ME	40	69	180,630	**174,980**	169,340	158,050
		30	55	152,650	**147,820**	142,990	133,350
		25	50	139,230	**134,780**	130,340	121,460
		20	43	126,360	**122,270**	118,190	110,040
		10	33	102,810	**99,390**	95,960	89,120

R-22 Scroll® Compressors - Low Temperature Applications

Unit Model Number	Compressor Model	Suction Temp. °F	Suction Temp. psig	90°F Amb.	95°F Amb.	100°F Amb.	110 °F Amb.
LZ*0750L2	ZF24K4E	-30	5	19,920	**19,350**	18,780	17,630
		-25	8	22,450	**21,820**	21,200	19,960
		-20	10	25,220	**24,540**	23,860	22,500
		-10	17	31,430	**30,610**	29,790	28,150
		0	24	38,320	**37,330**	36,350	34,380
LZ*1000L2	ZF33K4E	-30	5	28,270	**27,640**	27,030	25,790
		-25	8	31,700	**30,960**	30,220	28,740
		-20	10	35,470	**34,620**	33,780	32,090
		-10	17	43,950	**42,940**	41,940	39,920
		0	24	53,630	**52,500**	51,380	49,130
LZ*1300L2	ZF40K4E	-30	5	34,450	**33,540**	32,630	30,810
		-25	8	38,910	**37,900**	36,890	34,880
		-20	10	43,840	**42,720**	41,590	39,360
		-10	17	54,910	**53,530**	52,160	49,400
		0	24	67,310	**65,640**	63,970	60,620
LZ*1500L2	ZF48K4E	-30	5	39,320	**38,290**	37,260	35,210
		-25	8	44,380	**43,230**	42,090	39,820
		-20	10	49,940	**48,680**	47,400	44,880
		-10	17	62,410	**60,860**	59,300	56,190
		0	24	76,290	**74,400**	72,520	68,740

*= T for Outdoors, N for Indoors, S for Beacon II™ Consult factory on all models for applications above 110°F ambient.

CONDENSER CAPACITY

R-22 Discus® Compressors - Low Temperature Applications

Unit Model Number	Compressor Model	Suction Temp. °F	Suction Temp. psig	90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
LD*0300L6	2DF3F16KE	-40	0.6	8,890	**8,030**	7,160	5,420
		-30	5.0	12,330	**11,420**	10,510	8,710
		-20	10.0	17,270	**16,240**	15,220	13,170
		-10	17.0	23,370	**22,160**	20,950	18,530
		0	24.0	30,290	**28,840**	27,390	24,490
LD*0400L6	2DL3F20KE	-40	0.6	10,400	**9,490**	8,570	6,730
		-30	5.0	14,820	**13,760**	12,690	10,560
		-20	10.0	20,500	**19,290**	18,090	15,680
		-10	17.0	27,220	**25,870**	24,530	21,840
		0	24.0	34,790	**33,310**	31,830	28,870
LD*0600L6	2DB3F25KE	-40	0.6	13,080	**12,250**	11,120	9,070
		-30	5.0	18,330	**17,120**	15,920	13,510
		-20	10.0	24,910	**23,540**	22,170	19,440
		-10	17.0	32,700	**31,180**	29,660	26,630
		0	24.0	41,490	**39,830**	38,180	34,860
LD*0601L6	3DA3F28KE	-40	0.6	15,020	**13,570**	12,260	9,630
		-30	5.0	20,430	**19,090**	17,750	15,040
		-20	10.0	27,740	**26,290**	24,840	21,930
		-10	17.0	36,390	**34,760**	33,140	29,890
		0	24.0	45,920	**44,070**	42,230	38,530
LD*0750L6	3DB3F33KE	-40	0.6	18,800	**17,490**	15,640	12,290
		-30	5.0	25,680	**23,960**	22,230	18,770
		-20	10.0	34,180	**32,340**	30,500	26,820
		-10	17.0	44,060	**42,060**	40,050	36,040
		0	24.0	54,910	**52,700**	50,480	46,050
LD*0900L6	3DF3F40KE	-40	0.6	22,450	**21,020**	19,090	15,560
		-30	5.0	31,600	**29,540**	27,490	23,360
		-20	10.0	42,730	**40,440**	38,160	33,580
		-10	17.0	55,750	**53,290**	50,830	45,910
		0	24.0	70,480	**67,890**	65,300	60,130
LD*1000L6	3DS3F46KE	-40	0.6	25,450	**22,500**	20,640	16,910
		-30	5.0	33,960	**31,830**	29,690	25,420
		-20	10.0	45,880	**43,500**	41,140	36,420
		-10	17.0	59,800	**57,230**	54,660	49,510
		0	24.0	75,470	**72,700**	69,940	64,430
LD*1200L6	4DBNF54KE	-40	0.6	25,800	**23,670**	21,460	-
		-30	5.0	39,430	**36,980**	34,400	28,940
		-20	10.0	55,420	**52,620**	49,680	43,360
		-10	17.0	74,360	**71,170**	67,790	60,560
		0	24.0	96,760	**93,080**	89,180	-
LD*1500L6	4DN3F63KE	-40	0.6	34,500	**31,460**	28,450	22,410
		-30	5.0	47,760	**44,520**	41,270	34,760
		-20	10.0	64,300	**60,820**	57,340	50,390
		-10	17.0	83,500	**79,760**	76,020	68,570
		0	24.0	104,910	**100,880**	96,860	88,840
LD*2200L6	4DN3F76KE	-40	0.6	40,940	**37,530**	34,470	28,350
		-30	5.0	55,290	**52,030**	48,770	42,230
		-20	10.0	74,190	**70,610**	67,050	59,930
		-10	17.0	96,420	**92,430**	88,450	80,520
		0	24.0	121,160	**116,660**	112,170	103,220

Note: All Discus® L6 models must be custom ordered to include a demand cooling kit.

*= T for Outdoors, N for Indoors, S for Beacon II™

Consult factory on all models for applications above 110°F ambient.

CONDENSER CAPACITY

R-404A/R-507 Discus® Compressors - Medium Temperature Applications

Unit Model Number	Compressor Model	Suction Temp.			90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
		°F	404A psig	507 psig				
LD*0500M6	2DC3R53KE	40	86	90	56,550	**53,940**	51,100	45,880
		30	70	73	49,130	**46,880**	44,590	40,200
		20	56	59	41,390	**39,280**	37,400	33,670
		15	49	52	33,780	**32,220**	30,500	27,400
		0	33	35	26,610	**25,330**	24,070	21,520
		-10	24	26	20,610	**19,560**	18,790	16,540
LD*0501M6	2DD3R63KE	40	86	90	64,500	**61,590**	58,670	52,820
		30	70	73	56,160	**53,590**	51,090	46,390
		20	56	59	47,920	**45,530**	43,640	39,160
		10	44	46	39,480	**37,700**	35,950	32,270
		0	33	35	31,490	**30,080**	28,670	25,980
		-10	24	26	24,820	**23,810**	22,710	20,540
LD*0750M6	2DL3R78KE	40	86	90	78,520	**74,990**	71,410	64,430
		30	70	73	68,490	**65,510**	62,540	57,070
		20	56	59	58,930	**56,000**	53,530	48,910
		10	44	46	48,810	**46,750**	44,690	40,220
		0	33	35	39,060	**37,380**	35,700	32,500
		-10	24	26	30,850	**29,570**	28,180	25,330
LD*0751M6	2DA3R89KE	40	86	90	95,540	**90,870**	86,130	77,750
		30	70	73	83,510	**79,960**	76,400	69,330
		20	56	59	71,440	**68,060**	65,470	59,180
		10	44	46	59,380	**56,890**	54,140	49,200
		0	33	35	47,760	**45,670**	43,490	39,600
		-10	24	26	37,700	**36,060**	34,200	30,540
LD*0800M6	3DA3R10ME	40	86	90	111,970	**107,150**	102,420	92,590
		30	70	73	98,210	**94,270**	90,330	82,550
		20	56	59	83,450	**80,170**	77,330	70,980
		10	44	46	69,400	**66,800**	63,930	58,770
		0	33	35	55,730	**536,10**	51,480	47,440
		-10	24	26	44,150	**424,60**	40,620	36,900
LD*1000M6	3DB3R12ME	40	86	90	128,860	**123,170**	117,590	107,340
		30	70	73	114,710	**109,930**	105,200	94,900
		20	56	59	97,920	**93,930**	90,730	82,760
		10	44	46	82,310	**79,060**	75,350	68,920
		0	33	35	62,280	**63,630**	60,950	55,900
		-10	24	26	52,260	**50,180**	47,890	43,240
LD*1200M6	3DF3R15ME	40	86	90	150,790	**144,290**	137,400	122,430
		30	70	73	133,280	**127,640**	123,360	111,780
		20	56	59	116,610	**111,940**	107,260	97,720
		10	44	46	98,100	**94,270**	89,720	82,840
		0	33	35	79,540	**76,300**	73,200	67,700
		-10	24	26	63,260	**61,160**	58,540	53,680
LD*1500M6	3DS3R17ME	40	86	90	176,330	**168,560**	160,860	146,980
		30	70	73	156,910	**150,350**	143,860	129,870
		20	56	59	134,090	**128,610**	124,130	113,470
		10	44	46	112,610	**108,240**	103,290	94,610
		0	33	35	90,910	**87,380**	83,840	77,220
		-10	24	26	72,080	**69,470**	66,530	60,500

*= T for Outdoors, N for Indoors, S for Beacon II™

Consult factory on all models for applications above 110°F ambient.

CONDENSER CAPACITY

R-404A/R-507 Discus® Compressors - Low Temperature Applications

Unit Model Number	Compressor Model	Suction Temp.			90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
		°F	404A psig	507 psig				
LD*0300L6	2DF3F16KE	-40	5	6	11,470	**10,490**	9,520	7,580
		-30	10	11	15,530	**14,500**	13,470	11,440
		-20	16	18	20,750	**19,560**	18,380	16,040
		-10	24	26	26,750	**25,320**	23,560	21,060
		0	33	35	33,130	**31,390**	29,220	26,200
LD*0400L6	2DL3F20KE	-40	5	6	13,820	**12,750**	11,690	9,590
		-30	10	11	18,590	**17,400**	16,220	13,890
		-20	16	18	24,500	**23,140**	21,790	19,100
		-10	24	26	31,200	**29,620**	28,040	24,900
		0	33	35	38,320	**36,470**	34,630	30,970
LD*0600L6	2DB3F25KE	-40	5	6	16,730	**15,490**	14,260	11,800
		-30	10	11	22,440	**21,070**	19,700	16,990
		-20	16	18	29,340	**27,770**	26,210	23,110
		-10	24	26	36,970	**35,160**	33,360	29,780
		0	33	35	44,920	**42,830**	40,730	36,590
LD*0601L6	3DA3F28KE	-40	5	6	19,140	**17,830**	16,530	13,960
		-30	10	11	25,110	**23,710**	22,330	19,610
		-20	16	18	32,530	**30,940**	29,370	26,250
		-10	24	26	40,810	**38,920**	37,050	33,350
		0	33	35	49,300	**47,060**	44,820	40,390
LD*0750L6	3DB3F33KE	-40	5	6	22,550	**21,030**	19,520	16,540
		-30	10	11	29,550	**27,960**	26,380	23,260
		-20	16	18	38,230	**36,410**	34,600	31,040
		-10	24	26	47,800	**45,630**	43,470	39,210
		0	33	35	57,490	**54,880**	52,280	47,130
LD*0900L6	3DF3F40KE	-40	5	6	28,660	**26,850**	25,050	21,490
		-30	10	11	37,670	**35,680**	33,700	29,810
		-20	16	18	49,030	**46,730**	44,440	39,920
		-10	24	26	62,020	**59,280**	56,570	51,180
		0	33	35	75,860	**72,600**	69,350	62,910
LD*1000L6	3DS3F46KE	-40	5	6	31,990	**29,910**	27,840	23,740
		-30	10	11	42,040	**39,780**	37,540	33,100
		-20	16	18	54,240	**51,680**	49,130	44,090
		-10	24	26	67,850	**64,870**	61,900	56,030
		0	33	35	82,110	**78,620**	75,150	68,260
LD*1200L6	4DBNF54KE	-40	5	6	35,600	**33,140**	30,580	25,160
		-30	10	11	49,920	**47,360**	44,710	39,060
		-20	16	18	65,110	**62,240**	59,250	52,970
		-10	24	26	82,180	**78,720**	75,170	67,750
		0	33	35	102,010	**97,660**	93,200	-
LD*1500L6	4DN3F63KE	-40	5	6	44,520	**41,710**	38,930	33,400
		-30	10	11	58,730	**55,530**	52,350	46,070
		-20	16	18	75,470	**71,720**	67,990	60,620
		-10	24	26	93,820	**89,380**	84,970	76,230
		0	33	35	112,860	**107,630**	102,420	92,110
LD*2200L6	4DN3F76KE	-40	5	6	51,450	**47,660**	43,880	36,370
		-30	10	11	68,690	**64,540**	60,410	52,230
		-20	16	18	88,210	**83,410**	78,650	69,210
		-10	24	26	108,680	**103,010**	97,380	86,230
		0	33	35	128,840	**122,150**	115,500	102,320

*= T for Outdoors, N for Indoors, S for Beacon II™

Consult factory on all models for applications above 110°F ambient.

CONDENSER CAPACITY

R-404A/R-507 Scroll® Compressors - Medium Temperature Applications

Unit Model Number	Compressor Model	Suction Temp. °F	Suction Temp. 404A psig	Suction Temp. 507 psig	90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
LZ*0650M6	ZB50KCE	40	86	90	73,560	**70,350**	67,150	61,380
		30	70	73	65,680	**62,810**	60,060	54,320
		25	63	66	60,810	**58,130**	55,940	50,660
		20	66	63	56,780	**54,250**	51,810	47,350
		10	44	46	47,320	**45,470**	43,280	38,940
LZ*0700M6	ZB58KCE	40	86	90	89,490	**85,490**	81,120	72,150
		30	70	73	78,520	**74,920**	71,190	63,775
		25	66	63	72,930	**69,460**	66,020	59,100
		20	44	46	67,220	**63,990**	60,830	54,390
		10	33	35	55,640	**52,860**	50,350	44,670
LZ*0750M6	ZB66KCE	40	86	90	101,820	**97,640**	93,460	84,560
		30	70	73	89,790	**86,190**	82,610	75,430
		25	66	63	83,570	**80,250**	76,960	70,410
		20	44	46	77,340	**74,290**	71,250	65,180
		10	33	35	65,010	**62,450**	59,880	55,210
LZ*0860M6	ZB76KCE	40	86	90	112,460	**107,350**	102,270	92,100
		30	70	73	100,510	**96,150**	91,950	83,330
		25	66	63	94,050	**90,090**	86,040	78,100
		20	44	46	87,480	**83,760**	80,050	73,030
		10	33	35	73,830	**71,100**	68,040	62,360
LZ*1000M6	ZS92K4E	40	86	90	135,560	**129,960**	124,400	114,420
		30	70	73	121,480	**116,720**	110,910	101,940
		25	66	63	113,480	**108,200**	104,720	95,780
		20	44	46	104,610	**100,490**	97,380	89,190
		10	33	35	89,330	**85,340**	82,700	75,650
LZ*1401M6	ZS11M4E	40	86	90	163,950	**157,320**	150,780	137,740
		30	70	73	144,760	**138,240**	132,610	122,370
		25	66	63	134,110	**128,920**	123,660	114,500
		20	44	46	124,310	**119,450**	115,580	106,270
		10	33	35	105,470	**102,300**	97,690	89,670

*= T for Outdoors, N for Indoors, S for Beacon II™
Consult factory on all models for applications above 110°F ambient.

R-404A/R-507 Scroll® Compressors - Low Temperature Applications

Unit Model Number	Compressor Model	Suction Temp. °F	Suction Temp. 404A psig	Suction Temp. 507 psig	90°F Amb.	95°F Amb.	100°F Amb.	110°F Amb.
LZ*0750L6	ZF24K4E	-40	5	6	17,230	**16,540**	15,850	14,490
		-30	10	11	21,860	**21,060**	20,260	18,690
		-20	16	18	27,510	**26,540**	25,580	23,660
		-10	24	26	33,850	**32,650**	31,460	29,090
		0	33	35	40,520	**39,060**	37,590	34,680
LZ*1000L6	ZF33K4E	-40	5	6	23,070	**22,050**	21,040	19,020
		-30	10	11	30,240	**28,940**	27,650	25,080
		-20	16	18	38,430	**36,890**	35,350	32,290
		-10	24	26	47,390	**45,630**	43,860	40,350
		0	33	35	56,860	**54,890**	52,920	49,010
LZ*1300L6	ZF40K4E	-40	5	6	30,610	**29,410**	28,220	26,590
		-30	10	11	38,720	**37,330**	35,940	33,180
		-20	16	18	48,700	**47,010**	45,320	41,950
		-10	24	26	59,990	**57,900**	55,810	51,640
		0	33	35	72,010	**69,440**	66,890	61,740
LZ*1500L6	ZF48K4E	-40	5	6	34,860	**33,510**	32,160	29,470
		-30	10	11	44,020	**42,440**	40,870	37,750
		-20	16	18	55,200	**53,282**	51,370	47,560
		-10	24	26	67,710	**65,370**	62,980	58,270
		0	33	35	80,840	**77,970**	75,050	69,270

*= T for Outdoors, N for Indoors, S for Beacon II™
Consult factory on all models for applications above 110°F ambient.

ELECTRICAL SPECIFICATIONS

Medium Temperature, Discus® R-22 Family LDN, LDT, LDS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Low Amps*				High Amps*			
									Electric Defrost		Def. Htr.‡	Evap. Fan	Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps	MCA	MOPD	Amps	Amps
LD*0500M6C	208-230/3/60	20.0	120	1	1/3	2.7	27.7	45	-	-	-	-	50.0	60	40 (1)	15.0
LD*0500M6D	460/3/60	9.4	60	1	1/3	1.9	15.0	20	-	-	-	-	25.0	30	20 (1)	8.0
LD*0500M6E	575/3/60	6.9	49	1	1/3	1.2	15.0	15	-	-	-	-	20.0	20	16 (1)	6.4
LD*0501M6C	208-230/3/60	20.0	120	1	1/3	2.7	27.7	45	-	-	-	-	50.0	60	40 (1)	15.0
LD*0501M6D	460/3/60	9.4	60	1	1/3	1.9	15.0	20	-	-	-	-	25.0	30	20 (1)	8.0
LD*0501M6E	575/3/60	7.1	49	1	1/3	1.2	15.0	15	-	-	-	-	20.0	20	16 (1)	6.4
LD*0750M6C	208-230/3/60	28.3	169	1	1/3	2.7	38.1	60	-	-	-	-	60.0	80	48 (1)	20.0
LD*0750M6D	460/3/60	12.4	85	1	1/3	1.9	20.0	25	-	-	-	-	31.3	35	25 (1)	10.0
LD*0750M6E	575/3/60	11.9	67	1	1/3	1.2	20.0	25	-	-	-	-	25.0	35	20 (1)	8.0
LD*0751M6C	208-230/3/60	28.7	169	2	1/3	5.4	41.3	70	-	-	-	-	61.3	90	48 (1)	20.0
LD*0751M6D	460/3/60	12.6	85	2	1/3	3.8	20.0	30	-	-	-	-	31.3	40	25 (1)	10.0
LD*0751M6E	575/3/60	11.9	67	2	1/3	2.4	20.0	25	-	-	-	-	25.3	35	20 (1)	8.0
LD*0800M6C	208-230/3/60	36.8	215	2	1/3	5.4	51.4	80	-	-	-	-	87.5	100	70 (2)	20.0
LD*0800M6D	460/3/60	17.9	106	2	1/3	3.8	26.2	40	-	-	-	-	43.8	50	35 (1)	13.0
LD*0800M6E	575/3/60	14.7	84	2	1/3	2.4	20.8	35	-	-	-	-	35.0	45	28 (1)	10.4
LD*1000M6C	208-230/3/60	39.1	215	2	1/3	5.4	54.3	90	-	-	-	-	87.5	110	70 (2)	20.0
LD*1000M6D	460/3/60	17.9	106	2	1/3	3.8	26.2	40	-	-	-	-	43.8	50	35 (1)	13.0
LD*1000M6E	575/3/60	14.8	84	2	1/3	2.4	20.9	35	-	-	-	-	35.0	45	28 (1)	10.4
LD*1200M6C	208-230/3/60	43.2	275	2	1/3	5.4	59.4	100	-	-	-	-	87.5	110	70 (2)	20.0
LD*1200M6D	460/3/60	21.2	138	2	1/3	3.8	30.2	50	-	-	-	-	43.8	60	35 (1)	13.0
LD*1500M6C	208-230/3/60	53.5	275	2	3/4	8.8	75.7	125	90.7	125	70 (2)	15.0	100.0	125	80 (2)	20.0
LD*1500M6D	460/3/60	26.0	138	2	3/4	4.4	36.9	60	51.9	70	40 (1)	15.0	75.0	80	60 (2)	15.0
LD*1500M6E	575/3/60	21.2	110	2	3/4	3.6	30.0	50	42.0	60	32 (1)	12.0	60.0	60	48 (1)	12.0

†Consult factory for 50Hz applications.

‡Number of defrost heater contactors in parentheses.

*Two fan large units have ability for a reduced amp electric defrost kit (low amps). Confirm proper defrost kit prior to ordering or installing.

ELECTRICAL SPECIFICATIONS

Low Temperature, Scroll® R-22 Family LZN, LZT, LZS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps
LZ*0750L2C	208-230/3	26.9	189.0	1	1/3	2.7	36.4	60	60.0	80	60 (2)	20.0
LZ*0750L2D	460/3	14.1	94.0	1	1/3	1.9	19.5	30	30.0	40	30 (1)	10.0
LZ*0750L2E	575/3	10.3	74.0	1	1/3	1.2	14.0	20	24.0	30	24 (1)	8.0
LZ*1000L2C	208-230/3	39.1	278.0	1	1/3	2.7	51.6	90	71.6	100	60 (2)	20.0
LZ*1000L2D	460/3	18.9	127.0	1	1/3	1.9	25.5	40	35.5	50	30 (1)	10.0
LZ*1000L2E	575/3	14.4	100.0	1	1/3	1.2	19.2	30	27.2	40	24 (1)	8.0
LZ*1300L2C	208-230/3	47.4	350.0	2	1/3	5.4	64.7	90	90.7	100	70 (2)	26.0.
LZ*1300L2D	460/3	23.7	175.0	2	1/3	3.8	33.4	50	46.4	70	35 (1)	13.0
LZ*1300L2E	575/3	19.0	140.0	2	1/3	2.4	26.1	45	36.5	50	28 (1)	10.4
LZ*1500L2C	208-230/3	49.4	425.0	2	1/3	5.4	67.1	90	93.1	100	70 (2)	26.0
LZ*1500L2D	460/3	21.8	187.0	2	1/3	3.8	31.0	50	44.0	60	35 (1)	13.0
LZ*1500L2E	575/3	17.6	148.0	2	1/3	2.4	24.4	40	34.8	50	28 (1)	10.4

Low Temperature, Discus® R-22 Family LDN, LDT, LDS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Low Amps*				High Amps*			
									Electric Defrost		Def. Htr.‡	Evap. Fan	Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps	MCA	MOPD	Amps	Amps
LD*0300L6C	208-230/3	14.4	102	1	1/3	2.7	20.6	35	-	-	-	-	50.0	50	40 (1)	15
LD*0300L6D	460/3	7.1	52	1	1/3	1.9	15.0	25	-	-	-	-	25.0	25	20 (1)	8.0
LD*0300L6E	575/3	6.0	41	1	1/3	1.2	15.0	15	-	-	-	-	20.0	20	16 (1)	6.4
LD*0400L6C	208-230/3	23.6	161	1	1/3	2.7	32.2	50	-	-	-	-	60.0	70	48 (1)	15.0
LD*0400L6D	460/3	9.2	60	1	1/3	1.9	15.0	25	-	-	-	-	31.3	35	25 (1)	8.0
LD*0400L6E	575/3	6.9	49	1	1/3	1.2	15.0	15	-	-	-	-	25.0	25	20 (1)	6.4
LD*0600L6C	208-230/3	25.3	161	1	1/3	2.7	34.4	50	-	-	-	-	75.0	80	60 (2)	20.0
LD*0600L6D	460/3	11.9	80	1	1/3	1.9	20.0	25	-	-	-	-	37.5	40	30 (1)	10.0
LD*0600L6E	575/3	8.6	63	1	1/3	1.2	15.0	20	-	-	-	-	30.0	30	24 (1)	8.0
LD*0601L6C	208-230/3	24.0	150	1	1/3	2.7	32.7	50	-	-	-	-	75.0	80	60 (2)	20.0
LD*0601L6D	460/3	10.8	77	1	1/3	1.9	20.0	25	-	-	-	-	37.5	40	30 (1)	10.0
LD*0601L6E	575/3	9.4	62	1	1/3	1.2	15.0	20	-	-	-	-	30.0	30	24 (1)	8.0
LD*0750L6C	208-230/3	27.6	161	1	1/3	2.7	37.2	60	-	-	-	-	75.0	80	60 (2)	20.0
LD*0750L6D	460/3	14.1	83	1	1/3	1.9	20.0	30	-	-	-	-	37.5	40	30 (1)	10.0
LD*0750L6E	575/3	9.9	67	1	1/3	1.2	15.0	20	-	-	-	-	30.0	30	24 (1)	8.0
LD*0900L6C	208-230/3	33.2	215	2	1/3	5.4	46.9	80	-	-	-	-	87.5	100	70 (2)	20.0
LD*0900L6D	460/3	15.0	106	2	1/3	3.8	22.6	35	-	-	-	-	43.8	50	35 (1)	13.0
LD*0900L6E	575/3	14.1	84	2	1/3	2.4	20.0	30	-	-	-	-	35.0	40	28 (1)	10.4
LD*1000L6C	208-230/3	37.2	215	2	1/3	5.4	51.9	80	-	-	-	-	87.5	100	70 (2)	20.0
LD*1000L6D	460/3	16.7	106	2	1/3	3.8	24.6	40	-	-	-	-	43.8	50	35 (1)	13.0
LD*1000L6E	575/3	14.6	84	2	1/3	2.4	20.6	35	-	-	-	-	35.0	45	28 (1)	10.4
LD*1200L6C	208-230/3	46	220	2	3/4	8.8	66.3	110	81.3	125	40 (1)	15.0	87.5	125	70 (2)	20.0
LD*1200L6D	460/3	23	110	2	3/4	4.4	33.2	50	48.2	70	25 (1)	15.0	50.0	70	40 (1)	15.0
LD*1200L6E	575/3	15.6	106	2	3/4	3.6	23.1	35	35.1	50	20 (1)	12.0	40.0	50	32 (1)	12.0
LD*1500L6C	208-230/3	47.2	278	2	3/4	8.8	67.8	110	82.8	125	48 (1)	15.0	92.8	125	70 (2)	25.0
LD*1500L6D	460/3	23.6	136	2	3/4	4.4	33.9	50	48.9	70	25 (1)	15.0	50.0	70	40 (1)	15.0
LD*1500L6E	575/3	18.8	113	2	3/4	3.6	27.1	45	39.1	50	20 (1)	12.0	40.0	50	32 (1)	12.0
LD*2200L6C	208-230/3	57.7	374	2	3/4	8.8	80.9	125	95.9	150	48 (1)	15.0	105.9	150	70 (2)	25.0
LD*2200L6D	460/3	28.8	187	2	3/4	4.4	40.5	60	55.5	80	25 (1)	15.0	60.0	80	48 (1)	15.0
LD*2200L6E	575/3	26.1	135	2	3/4	3.6	30.7	50	42.7	60	20 (1)	12.0	47.5	60	38 (1)	12.0

†Consult factory for 50Hz applications.

‡Number of defrost heater contactors in parentheses.

*Two fan large units have ability for a reduced amp electric defrost kit (low amps). Confirm proper defrost kit prior to ordering or installing.

ELECTRICAL SPECIFICATIONS

Medium Temperature, Discus® R-404A/R-507 Family LDN, LDT, LDS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Low Amps*				High Amps*			
									Electric Defrost		Def. Htr.‡	Evap. Fan	Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps	MCA	MOPD	Amps	Amps
LD*0500M6C	208-230/3	20.0	120.0	1	1/3	2.7	27.7	45	-	-	-	-	42.7	60	40 (1)	15.0
LD*0500M6D	460/3	9.4	60.0	1	1/3	1.9	13.6	20	-	-	-	-	21.6	30	20 (1)	8.0
LD*0500M6E	575/3	6.9	49.0	1	1/3	1.2	9.9	15	-	-	-	-	16.3	20	16 (1)	6.4
LD*0501M6C	208-230/3	20.0	120.0	1	1/3	2.7	27.7	45	-	-	-	-	42.7	60	40 (1)	15.0
LD*0501M6D	460/3	9.4	60.0	1	1/3	1.9	13.7	20	-	-	-	-	21.7	30	20 (1)	8.0
LD*0501M6E	575/3	7.1	49.0	1	1/3	1.2	10.1	15	-	-	-	-	16.5	20	16 (1)	6.4
LD*0750M6C	208-230/3	28.3	169.0	1	1/3	2.7	38.1	60	-	-	-	-	58.1	80	48 (1)	20.0
LD*0750M6D	460/3	12.4	85.0	1	1/3	1.9	17.4	25	-	-	-	-	27.4	35	25 (1)	10.0
LD*0750M6E	575/3	11.9	67.0	1	1/3	1.2	16.0	25	-	-	-	-	24.0	35	20 (1)	8.0
LD*0751M6C	208-230/3	28.7	169.0	2	1/3	5.4	41.3	70	-	-	-	-	61.3	90	48 (1)	20.0
LD*0751M6D	460/3	12.6	85.0	2	1/3	3.8	19.6	30	-	-	-	-	29.6	40	25 (1)	10.0
LD*0751M6E	575/3	11.9	67.0	2	1/3	2.4	17.3	25	-	-	-	-	25.3	35	20 (1)	8.0
LD*0800M6C	208-230/3	36.8	215.0	2	1/3	5.4	51.4	80	-	-	-	-	77.4	100	70 (2)	26.0
LD*0800M6D	460/3	17.9	106.0	2	1/3	3.8	26.2	40	-	-	-	-	39.2	50	35 (1)	13.0
LD*0800M6E	575/3	14.7	84.0	2	1/3	2.4	20.8	35	-	-	-	-	31.2	45	28 (1)	10.4
LD*1000M6C	208-230/3	39.1	215.0	2	1/3	5.4	54.3	90	-	-	-	-	80.3	100	70 (2)	26.0
LD*1000M6D	460/3	17.9	106.0	2	1/3	3.8	26.2	40	-	-	-	-	39.2	50	35 (1)	13.0
LD*1000M6E	575/3	14.8	84.0	2	1/3	2.4	20.9	35	-	-	-	-	31.3	45	28 (1)	10.4
LD*1200M6C	208-230/3	43.2	275.0	2	1/3	5.4	59.4	90	-	-	-	-	85.4	100	70 (2)	26.0
LD*1200M6D	460/3	21.2	138.0	2	1/3	3.8	30.2	50	-	-	-	-	43.2	60	35 (1)	13.0
LD*1500M6C	208-230/3	53.5	275.0	2	3/4	8.8	75.7	125	90.7	125	70 (2)	15	100.0	125	80 (2)	20.0
LD*1500M6D	460/3	26.0	138.0	2	3/4	4.4	36.9	60	51.9	70	40 (1)	15	60.0	70	60 (2)	15.0
LD*1500M6E	575/3	21.2	110.0	2	3/4	3.6	30.0	50	42.0	60	32 (1)	12	60.0	60	48 (1)	12.0

Low Temperature, Discus® R-404/R-507 Family LDN, LDT, LDS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Low Amps*				High Amps*			
									Electric Defrost		Def. Htr.‡	Evap. Fan	Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps	MCA	MOPD	Amps	Amps
LD*0300L6C	208-230/3	14.4	102.0	1	1/3	2.7	20.6	35	-	-	-	-	40.0	50	40 (1)	15.0
LD*0300L6D	460/3	7.1	52.0	1	1/3	1.9	10.8	25	-	-	-	-	20.0	25	20 (1)	8.0
LD*0300L6E	575/3	6.0	41.0	1	1/3	1.2	8.7	15	-	-	-	-	16.0	20	16 (1)	6.4
LD*0400L6C	208-230/3	23.6	161.0	1	1/3	2.7	32.2	50	-	-	-	-	48.0	70	48 (1)	15.0
LD*0400L6D	460/3	9.2	60.0	1	1/3	1.9	13.4	25	-	-	-	-	25.0	30	25 (1)	8.0
LD*0400L6E	575/3	6.9	49.0	1	1/3	1.2	9.9	15	-	-	-	-	20.0	20	20 (1)	6.4
LD*0600L6C	208-230/3	25.3	161.0	1	1/3	2.7	34.4	50	-	-	-	-	60.0	70	60 (2)	20.0
LD*0600L6D	460/3	11.9	80.0	1	1/3	1.9	16.8	25	-	-	-	-	30.0	35	30 (1)	10.0
LD*0600L6E	575/3	8.6	63.0	1	1/3	1.2	11.9	20	-	-	-	-	24.0	25	24 (1)	8.0
LD*0601L6C	208-230/3	24.0	150.0	1	1/3	2.7	32.7	50	-	-	-	-	60.0	70	60 (2)	20.0
LD*0601L6D	460/3	10.8	77.0	1	1/3	1.9	15.4	25	-	-	-	-	30.0	35	30 (1)	10.0
LD*0601L6E	575/3	9.4	62.0	1	1/3	1.2	13.0	20	-	-	-	-	24.0	30	24 (1)	8.0
LD*0750L6C	208-230/3	27.6	161.0	1	1/3	2.7	37.2	60	-	-	-	-	60.0	80	60 (2)	20.0
LD*0750L6D	460/3	14.1	83.0	1	1/3	1.9	19.5	30	-	-	-	-	30.0	40	30 (1)	10.0
LD*0750L6E	575/3	9.9	67.0	1	1/3	1.2	13.5	20	-	-	-	-	24.0	30	24 (1)	8.0
LD*0900L6C	208-230/3	33.2	215.0	2	1/3	5.4	46.9	80	-	-	-	-	72.9	100	70 (2)	26.0
LD*0900L6D	460/3	15.0	106.0	2	1/3	3.8	22.6	35	-	-	-	-	35.6	50	35 (1)	13.0
LD*0900L6E	575/3	14.1	84.0	2	1/3	2.4	20.0	30	-	-	-	-	30.4	40	28 (1)	10.4
LD*1000L6C	208-230/3	37.2	215.0	2	1/3	5.4	51.9	80	-	-	-	-	77.9	100	70 (2)	26.0
LD*1000L6D	460/3	16.7	106.0	2	1/3	3.8	24.6	40	-	-	-	-	37.6	50	35 (1)	13.0
LD*1000L6E	575/3	14.6	84.0	2	1/3	2.4	20.6	35	-	-	-	-	31.0	45	28 (1)	10.4
LD*1200L6C	208-230/3	46	220.0	2	3/4	8.8	66.3	110	81.3	125	40 (1)	15	87.5	125	70 (2)	20.0
LD*1200L6D	460/3	23	110.0	2	3/4	4.4	33.2	50	48.2	70	25 (1)	15	50.0	70	40 (1)	15.0
LD*1200L6E	575/3	15.6	106.0	2	3/4	3.6	23.1	35	35.1	50	20 (1)	12	40.0	50	32 (1)	12.0
LD*1500L6C	208-230/3	47.2	278.0	2	3/4	8.8	67.8	110	82.8	125	48 (1)	15	92.8	125	70 (2)	25.0
LD*1500L6D	460/3	23.6	136.0	2	3/4	4.4	33.9	50	48.9	70	25 (1)	15	50.0	70	40 (1)	15.0
LD*1500L6E	575/3	18.8	113.0	2	3/4	3.6	27.1	45	39.1	50	20 (1)	12	40.0	50	32 (1)	12.0
LD*2200L6C	208-230/3	57.7	374.0	2	3/4	8.8	80.9	125	95.9	150	48 (1)	15	105.9	150	70 (2)	25.0
LD*2200L6D	460/3	28.8	187.0	2	3/4	4.4	40.5	60	55.5	80	25 (1)	15	60.0	80	48 (1)	15.0
LD*2200L6E	575/3	26.1	135.0	2	3/4	3.6	30.7	50	42.7	60	20 (1)	12	47.5	60	38 (1)	12.0

†Consult factory for 50Hz applications.
‡Number of defrost heater contactors in parentheses.
*Two fan large units have ability for a reduced amp electric defrost kit (low amps). Confirm proper defrost kit prior to ordering or installing.

ELECTRICAL SPECIFICATIONS

Medium Temperature, Scroll® R-404A Family LZN, LZT, LZS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Low Amps*				High Amps*			
									Electric Defrost		Def. Htr.‡	Evap. Fan	Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps	MCA	MOPD	Amps	Amps
LZ*0650M6C	208-230/3	25.6	196.0	1	1/3	2.7	34.8	60	–	–	–	–	49.8	70	40 (1)	15.0
LZ*0650M6D	460/3	13.5	100.0	1	1/3	1.9	18.7	30	–	–	–	–	26.7	40	20 (1)	8.0
LZ*0650M6E	575/3	9.7	90.0	1	1/3	1.2	13.3	20	–	–	–	–	19.7	25	16 (1)	6.4
LZ*0700M6C	208-230/3	27.6	195.0	2	1/3	5.4	39.9	60	–	–	–	–	59.9	80	48 (1)	20.0
LZ*0700M6D	460/3	14.7	95.0	2	1/3	3.8	22.2	35	–	–	–	–	32.2	45	25 (1)	10.0
LZ*0700M6E	575/3	11.5	80.0	2	1/3	2.4	16.8	25	–	–	–	–	24.8	35	20 (1)	8.0
LZ*0750M6C	208-230/3	26.9	225.0	2	1/3	5.4	39.1	60	–	–	–	–	59.1	80	48 (1)	20.0
LZ*0750M6D	460/3	15.7	114.0	2	1/3	3.8	23.4	35	–	–	–	–	33.4	45	25 (1)	10.0
LZ*0750M6E	575/3	11.2	80.0	2	1/3	2.4	16.4	25	–	–	–	–	24.4	35	20 (1)	8.0
LZ*0860M6C	208-230/3	37.2	239.0	2	1/3	5.4	51.9	80	–	–	–	–	77.9	100	70 (2)	26.0
LZ*0860M6D	460/3	15.7	125.0	2	1/3	3.8	23.4	35	–	–	–	–	36.4	50	35 (1)	13.0
LZ*0860M6E	575/3	11.9	80.0	2	1/3	2.4	17.2	25	–	–	–	–	28.0	35	28 (1)	10.4
LZ*1000M6C	208-230/3	47.4	350.0	2	1/3	5.4	64.7	90	–	–	–	–	90.7	100	70 (2)	26.0
LZ*1000M6D	460/3	22.4	158.0	2	1/3	3.8	31.8	50	–	–	–	–	44.8	60	35 (1)	13.0
LZ*1000M6E	575/3	17.9	125.0	2	1/3	2.4	24.8	40	–	–	–	–	35.2	50	28 (1)	10.4
LZ*1401M6C	208-230/3	53.8	425.0	2	3/4	8.8	76.1	125	91.1	125	70 (2)	15	100.0	125	80 (2)	20.0
LZ*1401M6D	460/3	25.3	187.0	2	3/4	4.4	36.0	60	51.0	70	40 (1)	15	75.0	80	60 (2)	15.0
LZ*1401M6E	575/3	20.2	148.0	2	3/4	3.6	28.9	45	40.9	60	32 (1)	12	60.0	60	48 (1)	12.0

Low Temperature, Scroll® R-404A/R-507 Family LZN, LZT, LZS

Unit Model	Voltage Supply†	Compressor		Condenser Fan Motor			Beacon II™ or Air Defrost		Electric Defrost		Def. Htr.‡	Evap. Fan
	60 Hz	RLA	LRA	Qty	HP	FLA	MCA	MOPD	MCA	MOPD	Amps	Amps
LZ*0750L6C	208-230/3	26.9	189.0	1	1/3	2.7	36.4	60	60.0	80	60 (2)	20.0
LZ*0750L6D	460/3	14.1	94.0	1	1/3	1.9	19.5	30	30.0	40	30 (1)	10.0
LZ*0750L6E	575/3	10.3	74.0	1	1/3	1.2	14.0	20	24.0	30	24 (1)	8.0
LZ*1000L6C	208-230/3	39.1	278.0	1	1/3	2.7	51.6	90	71.6	100	60 (2)	20.0
LZ*1000L6D	460/3	18.9	127.0	1	1/3	1.9	25.5	40	35.5	50	30 (1)	10.0
LZ*1000L6E	575/3	14.4	100.0	1	1/3	1.2	19.2	30	27.2	40	24 (1)	8.0
LZ*1300L6C	208-230/3	47.4	350.0	2	1/3	5.4	64.7	90	90.7	100	70 (2)	26.0
LZ*1300L6D	460/3	23.7	175.0	2	1/3	3.8	33.4	50	46.4	70	35 (1)	13.0
LZ*1300L6E	575/3	19.0	140.0	2	1/3	2.4	26.1	45	36.5	50	28 (1)	10.4
LZ*1500L6C	208-230/3	49.4	425.0	2	1/3	5.4	67.1	90	93.1	100	70 (2)	26.0
LZ*1500L6D	460/3	21.8	187.0	2	1/3	3.8	31.0	50	44.0	60	35 (1)	13.0
LZ*1500L6E	575/3	17.6	148.0	2	1/3	2.4	24.4	40	34.8	50	28 (1)	10.4

†Consult factory for 50Hz applications.
‡Number of defrost heater contactors in parentheses.
*Two fan large units have ability for a reduced amp electric defrost kit (low amps).
Confirm proper defrost kit prior to ordering or installing.

PHYSICAL SPECIFICATIONS

Medium Temperature, Discus® R-22 Family LDN, LDT, LDS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LD*0500M6	2DC3R53KE	5.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	751
LD*0501M6	2DD3R63KE	5.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	751
LD*0750M6	2DL3R78KE	7.5	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	761
LD*0751M6	2DA3R89KE	7.5	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	985
LD*0800M6	3DA3R10ME	8.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	1,020
LD*1000M6	3DB3R12ME	10.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	1,045
LD*1200M6	3DF3R15ME	12.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	1,065
LD*1500M6	3DS3R17ME	15.0	7/8	1-5/8	96	113	41-3/4	75-1/8	48-3/4	81	1,182

Low Temperature, Scroll® R-22 Family LZN, LZT, LZS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LZ*0750L2	ZF24K4E	7.5	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	82	671
LZ*1000L2	ZF33K4E	10.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	82	671
LZ*1300L2	ZF40K4E	13.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	84	910
LZ*1500L2	ZF48K4E	15.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	83	891

Low Temperature, Discus® R-22 Family LDN, LDT, LDS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LD*0300L6	2DF3F16KE	3.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	737
LD*0400L6	2DL3F20KE	4.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	741
LD*0600L6	2DB3F25KE	6.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	78	751
LD*0601L6	3DA3F28KE	6.0	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	81	781
LD*0750L6	3DB3F33KE	7.5	1/2	1-1/8	33	60	36-3/4	51-3/4	39-1/4	81	805
LD*0900L6	3DF3F40KE	9.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	1,030
LD*1000L6	3DS3F46KE	10.0	5/8	1-3/8	78	90	36-3/4	63-3/4	39-1/4	82	1,035
LD*1200L6	4DBNF54KE	12.0	7/8	1-5/8	78	100	41-3/4	75-1/8	48-3/4	82	1,199
LD*1500L6	4DN3F63KE	15.0	7/8	1-5/8	78	100	41-3/4	75-1/8	48-3/4	82	1,234
LD*2200L6	4DN3F76KE	22.0	7/8	1-5/8	96	113	41-3/4	75-1/8	48-3/4	82	1,224

Note: All Discus® L6 models must be custom ordered to include a demand cooling kit.

† FOR ALL SOUND DATA: Estimate sound pressure values are 5 feet from the unit. For estimating sound pressure from unit at different distances, deduct the following from the unit values: 10 feet deducts 6 dba, 20 feet deducts 12 dba, 40 feet deducts 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise, and mounting conditions may have a significant influence on this data.

PHYSICAL SPECIFICATIONS

Medium Temperature, Discus® R-404A/R-507 Family LDN, LDT, LDS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LD*0500M6	2DC3R53KE	5.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	751
LD*0501M6	2DD3R63KE	5.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	751
LD*0750M6	2DL3R78KE	7.5	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	761
LD*0751M6	2DA3R89KE	7.5	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	985
LD*0800M6	3DA3R10ME	8.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	1,020
LD*1000M6	3DB3R12ME	10.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	1,045
LD*1200M6	3DF3R15ME	12.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	1,065
LD*1500M6	3DS3R17ME	15.0	7/8	1-5/8	87	98	41-3/4	75-1/8	48-3/4	81	1,182

Low Temperature, Discus® R-404A/R-507 Family LDN, LDT, LDS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LD*0300L6	2DF3F16KE	3.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	737
LD*0400L6	2DL3F20KE	4.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	741
LD*0600L6	2DB3F25KE	6.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	751
LD*0601L6	3DA3F28KE	6.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	81	781
LD*0750L6	3DB3F33KE	7.5	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	81	805
LD*0900L6	3DF3F40KE	9.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	1,030
LD*1000L6	3DS3F46KE	10.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	1,035
LD*1200L6	4DBNF54KE	12.0	7/8	1-5/8	67	87	41-3/4	75-1/8	48-3/4	82	1,199
LD*1500L6	4DN3F63KE	15.0	7/8	1-5/8	67	87	41-3/4	75-1/8	48-3/4	82	1,234
LD*2200L6	4DN3F76KE	22.0	7/8	1-5/8	87	98	41-3/4	75-1/8	48-3/4	82	1,224

† FOR ALL SOUND DATA: Estimate sound pressure values are 5 feet from the unit. For estimating sound pressure from unit at different distances, deduct the following from the unit values: 10 feet deducts 6 dba, 20 feet deducts 12 dba, 40 feet deducts 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise, and mounting conditions may have a significant influence on this data.

PHYSICAL SPECIFICATIONS

Medium Temperature, Scroll® R-404A/R-507 Family LZN, LZT, LZS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LZ*0650M6	ZB50KCE	6.5	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	78	574
LZ*0700M6	ZB58KCE	7.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	80	800
LZ*0750M6	ZB66KCE	7.5	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	80	813
LZ*0860M6	ZB76KCE	8.5	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	80	818
LZ*1000M6	ZS92K4E	10.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	82	908
LZ*1401M6	ZS11M4E	14.0	7/8	1-5/8	67	78	41-3/4	75-1/8	48-3/4	82	1,235

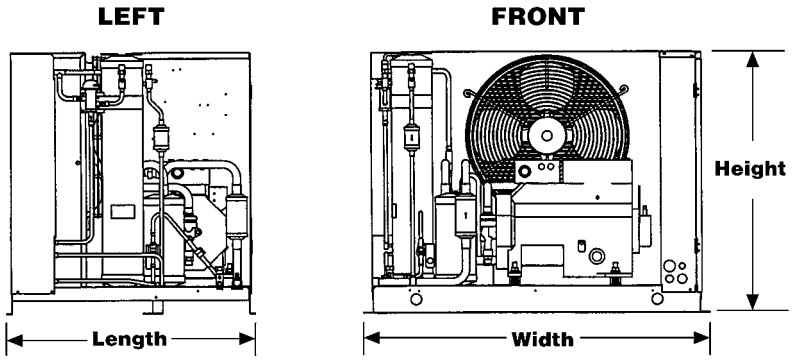
Low Temperature, Scroll® R-404A/R-507 Family LZN, LZT, LZS

Unit Model	Compressor Model	HP	Refrigerant Line Connections (OD)		Rec. Capacity @90% full (lbs)		Dimensions (inches)			Sound Data	Net Wt. (lbs.)
			Liquid	Suction	Std	Opt	Length	Width	Height	(dba)†	
LZ*0750L6	ZF24K4E	7.5	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	82	671
LZ*1000L6	ZF33K4E	10.0	1/2	1-1/8	28	52	36-3/4	51-3/4	39-1/4	82	671
LZ*1300L6	ZF40K4E	13.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	84	910
LZ*1500L6	ZF48K4E	15.0	5/8	1-3/8	67	78	36-3/4	63-3/4	39-1/4	83	891

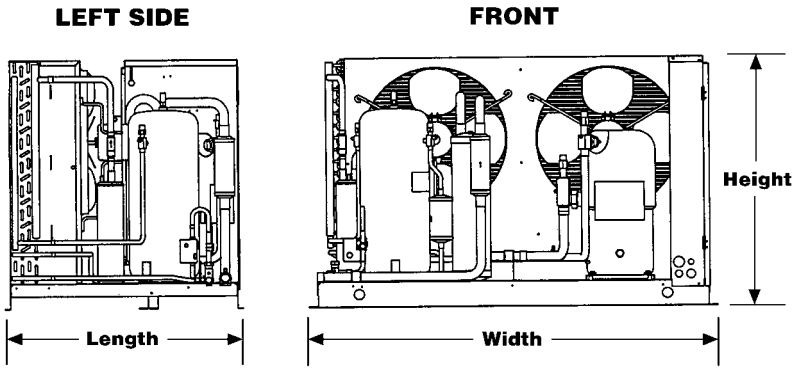
† FOR ALL SOUND DATA: Estimate sound pressure values are 5 feet from the unit. For estimating sound pressure from unit at different distances, deduct the following from the unit values: 10 feet deducts 6 dba, 20 feet deducts 12 dba, 40 feet deducts 18 dba. This data is typical of "free field" conditions for horizontal air cooled condensing units at the outlet of the discharge air. The actual sound measurements may vary depending on the condensing unit installation. Factors such as reflecting walls, background noise, and mounting conditions may have a significant influence on this data.

DIMENSIONAL DIAGRAMS

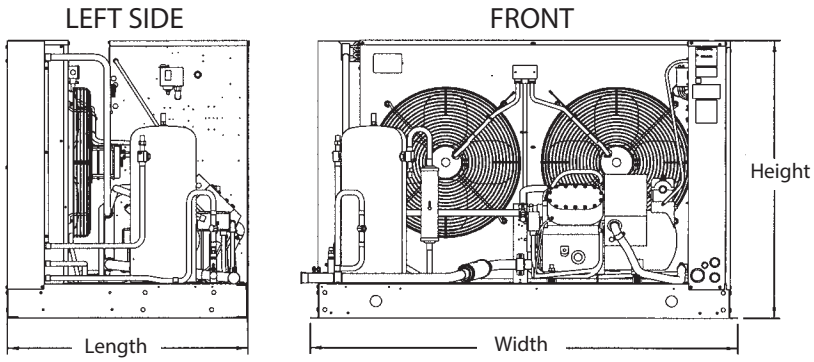
One Fan Condenser



Two Fan Condenser



Large Two Fan Condenser



NOTES

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