



A2L
R-SERIES
NEXT-GEN MINICON



1/2 to 6 HP Air Cooled Condensing Units

Multi-Refrigerant
R454A, R454C, and R455A



2 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

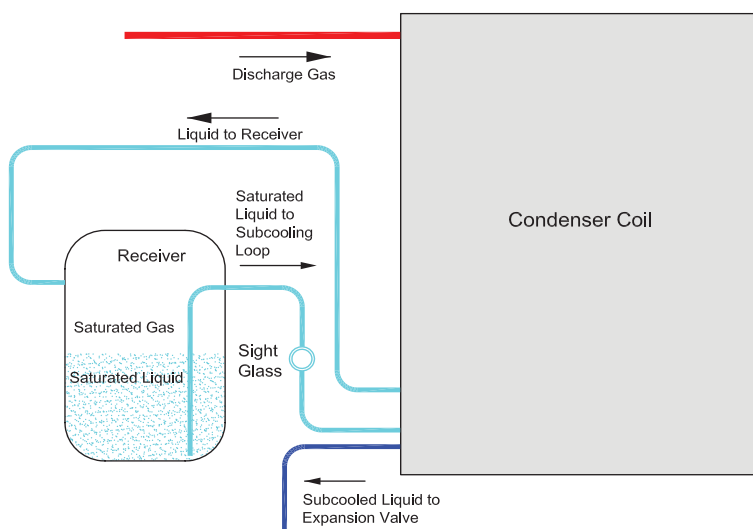
The Next-Gen MiniCon R-Series $\frac{1}{2}$ through 6 HP condensing units are engineered with increased efficiency, more standard features, are easier to service, and have more cataloged options.

Next-Gen MiniCon's are suited for use in a variety of commercial applications such as cafeterias, convenience stores, restaurants and fast food outlets while providing the versatility to excel in a full array of other applications. Made from high quality materials that increase flexibility and greatly improve efficiency for even lower long-term operating costs.

The small profile product line is designed to utilize refrigerants R454A, R454C, and R455A. Available with scroll compressors, the standard Next-Gen R-Series is rated for operation in ambient air temperatures up to 110° F.

INTEGRAL SUB-COOLING CIRCUIT

All Next-Gen MiniCon units feature an integral sub-cooling circuit that allows saturated liquid to flow from the receiver to the condenser where the refrigerant is sub-cooled by ambient air. This provides an average of 3 to 5° F of sub-cooling for higher efficiency while assuring optimal expansion device operation.



● Standard

○ Option

⊖ Not Available

STANDARD FEATURES & FACTORY INSTALLED OPTIONS

OPTION DESCRIPTION	MEDIUM & LOW TEMPERATURE
Scroll Compressors	●
Generously Sized High Efficiency Condenser, Enhanced Copper Tubes/Aluminum Fins	●
Suction Line Piping	●
Larger Electrical Panel With Hinged/Removable Door	●
Crankcase Heater	●
Fixed High/Adjustable Low-Pressure Control	●
Liquid Line With Components: Sealed Filter & Sight Glass	●
All-Weather Galvanized Steel Painted Housing	●
Refrigerant Receiver With Isolation Valve And Pressure Relief Plug	●
Integral Liquid Sub-Cooling Circuit	●
Quick Access Shut Off Valves	●
Easy Access Control Panel Door	●
Color-Coded/Numbered Point-To-Point Wiring	●
Flooded Head Pressure Control	● Flooded Models
Pressure Fan Cycle Control	● Non-Flooded Models
EC Fan Motors	●
Dual Pressure Control	○
Adjustable Head Pressure Control Valve	○ FM1 - FM3
Liquid Line Without Components: Pipe Only	○
Liquid Line With Premium Components: Replaceable Core Filter/Drier & Sight Glass	○ FM4 Cabinet^
Suction Line Components: Sealed Filter	○
Suction Line Components: Replaceable Core Filter	○ FM4 Cabinet^
Suction Line Accumulator	○
*High Ambient Comp. : TRE Valve, Dual Pressure Control, & Insulated Suction Line Comp.	○
Oil Separator	○ FM4 Cabinet^
Oversized Receiver	○
Pump-Down Toggle Switch	○
Heated & Insulated Receiver	○
Phase Loss Monitor	○
Single Point Power	○
Thru-The-Door Non-Fused Disconnect Switch	○
Copper Fins Or Electro Fin/Bronze Glow Coated Coil	○
316 Stainless Steel Cabinet	○

*Medium temperature applications require a suction accumulator when selecting this option.

^See dimensionals on pages 23-26.

● Standard ○ Option ⊖ Not Available

FACTORY INSTALLED OPTIONS - COMMON DEFROST COMPONENTS

OPTION DESCRIPTION	MEDIUM TEMPERATURE	LOW TEMPERATURE
Electronic Air Defrost Timer	●	⊖
Mechanical Air Defrost Timer	○	⊖
Defrost Kit	○	● *

* See Electrical Data Tables on pages 12-13 for Low Temperature Standard Defrost Kits and Medium Temperature Most Common Defrost Kits detail. Consult List Price Book for complete offering of Defrost Kit Options and Standard Defrost Component Deductions.

SHIPPED LOOSE ACCESSORIES

OPTION DESCRIPTION	MEDIUM & LOW TEMPERATURE
External Fused Disconnect	○
Snow/Hail Guards	○
Snow Legs	○
Crankcase Pressure Regulating Valve	○
Two-Tiered Stacking Rack	○



Easy access/removable control panel door

Color-coded & numbered point-to-point wiring for easy maintenance

Quick access to shut-off valves from cabinet exterior



Replaceable core liquid and suction filters available as an option for FM4 flooded and non-flooded models

MODEL NOMENCLATURE

CONFIGURABLE BASE MODEL									PRE-CONFIG. CODES ²
R	F	O	N	150	E	4A	D	A	NT
Brand	Style	Compressor Style	Compressor Configuration	Horsepower	Temperature Range	Refrigerant	Voltage	Vintage	Pre-Assembly Code
R - Russell	F - Flooded B - Non-Flooded	O - Scroll	N - Single Horizontal (small)	150 = 1.5 HP	E - Extended Medium L - Low M - Medium	4A - R454A, R454C, or R455A	D - 208-230/1/60 E - 208-230/3/60 G - 460/3/60 M - 200-220/1/50 ¹ N - 200-220/3/50 ¹ Q - 380/3/50 ¹	A	NT - No Defrost Timer /Kit ³

1. 50 Hz available. See Electrical Tables for Specific Model Availability or Contact Factory for additional information.

2. Pre-Configuration Codes are used to show common Factory Mounted options. Pre-Configuration Codes are not available for every model. For specific model availability, see the respective Pre-Configuration pricing tables in the current Price Book or contact your local Russell sales representative.

3. "NT" Pre-Configuration Code is available on Flooded Models with 208-230/1/60 or 208-230/3/60 voltage.

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CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R454A SCROLL // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 90°	R*ON060M4A**	YB06KAE	9,920	9,050	8,220	7,430	6,710	4,800	4,260	3,320
	R*ON080M4A**	YB07KAE	11,590	10,600	9,650	8,740	7,910	5,740	5,110	4,050
	R*ON100M4A**	YB08KAE	12,880	11,790	10,770	9,840	8,910	6,550	5,850	4,690
	R*ON130E4A**	YS09KAE	14,070	12,820	11,720	10,730	9,740	7,190	6,440	5,220
	R*ON150E4A**	YS11KAE	17,600	16,040	14,560	13,200	11,940	8,720	7,840	6,390
	R*ON180E4A**	YS12KAE	19,430	17,750	16,160	14,660	13,280	9,770	8,800	7,160
	R*ON200E4A**	YS14KAE	23,400	21,350	19,440	17,670	16,010	11,720	10,550	8,560
	R*ON250E4A**	YS16KAE	25,550	23,350	21,270	19,360	17,550	12,930	11,630	9,430
	R*ON280E4A**	YS19KAE	35,530	32,050	28,880	25,970	23,280	16,640	14,980	12,330
	R*ON300E4A**	YS21KAE	38,920	35,200	31,750	28,590	25,680	18,430	16,430	13,420
	R*ON350E4A**	YS24KAE	42,680	38,660	34,960	31,500	28,310	20,340	18,180	14,650
	R*ON400E4A**	YS26KAE	47,200	42,770	38,720	34,940	31,430	22,640	20,330	16,540
	R*ON450E4A**	YS30KA	52,090	47,290	42,800	38,710	35,090	25,350	22,680	18,270
	R*ON500E4A**	YS33KAE	59,980	54,800	49,830	45,040	40,590	28,850	25,400	19,300
	R*ON600E4A**	YS40KAE	69,510	63,640	58,030	52,580	47,560	33,930	30,030	22,960
Ambient Temperature 95°	R*ON060M4A**	YB06KAE	9,510	8,660	7,870	7,120	6,420	4,620	4,110	3,240
	R*ON080M4A**	YB07KAE	11,090	10,140	9,220	8,370	7,570	5,490	4,910	3,900
	R*ON100M4A**	YB08KAE	12,310	11,290	10,310	9,350	8,520	6,250	5,620	4,520
	R*ON130E4A**	YS09KAE	13,430	12,300	11,210	10,230	9,290	6,850	6,190	5,030
	R*ON150E4A**	YS11KAE	16,860	15,350	13,940	12,660	11,450	8,360	7,470	6,060
	R*ON180E4A**	YS12KAE	18,560	16,930	15,440	13,970	12,720	9,310	8,380	6,810
	R*ON200E4A**	YS14KAE	22,420	20,470	18,630	16,890	15,300	11,210	10,110	8,210
	R*ON250E4A**	YS16KAE	24,440	22,340	20,340	18,490	16,790	12,370	11,130	9,110
	R*ON280E4A**	YS19KAE	34,030	30,770	27,670	24,880	22,310	15,950	14,330	11,790
	R*ON300E4A**	YS21KAE	37,310	33,720	30,420	27,380	24,600	17,640	15,880	13,030
	R*ON350E4A**	YS24KAE	40,930	37,030	33,500	30,160	27,130	19,540	17,430	14,260
	R*ON400E4A**	YS26KAE	45,210	41,030	37,070	33,420	30,100	21,690	19,490	15,890
	R*ON450E4A**	YS30KA	49,860	45,420	41,080	37,170	33,480	24,340	21,910	17,890
	R*ON500E4A**	YS33KAE	57,810	52,820	48,070	43,410	39,160	27,790	24,480	18,600
	R*ON600E4A**	YS40KAE	67,120	61,410	55,920	50,770	45,890	32,710	28,950	22,010

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R454A SCROLL // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 100°	R*ON060M4A**	YB06KAE	9,100	8,290	7,530	6,810	6,130	4,400	3,930	-
	R*ON080M4A**	YB07KAE	10,610	9,690	8,820	8,000	7,230	5,250	4,690	-
	R*ON100M4A**	YB08KAE	11,730	10,750	9,830	8,960	8,120	5,980	5,370	-
	R*ON130E4A**	YS09KAE	12,790	11,710	10,710	9,770	8,880	6,540	5,890	-
	R*ON150E4A**	YS11KAE	16,090	14,630	13,330	12,030	10,900	7,980	7,150	-
	R*ON180E4A**	YS12KAE	17,710	16,150	14,710	13,310	12,100	8,890	7,990	-
	R*ON200E4A**	YS14KAE	21,390	19,530	17,790	16,120	14,640	10,710	9,620	-
	R*ON250E4A**	YS16KAE	23,330	21,320	19,410	17,660	16,000	11,820	10,640	-
	R*ON280E4A**	YS19KAE	32,590	29,400	26,490	23,780	21,340	15,270	13,610	-
	R*ON300E4A**	YS21KAE	35,680	32,240	29,110	26,190	23,530	16,880	15,180	-
	R*ON350E4A**	YS24KAE	39,140	35,440	32,000	28,830	25,940	18,630	16,760	-
	R*ON400E4A**	YS26KAE	43,240	39,190	35,400	31,920	28,750	20,710	18,670	-
	R*ON450E4A**	YS30KA	47,680	43,210	39,120	35,480	31,990	23,210	20,750	-
	R*ON500E4A**	YS33KAE	55,870	50,940	46,320	41,900	37,720	26,760	23,660	-
	R*ON600E4A**	YS40KAE	64,600	59,150	53,840	48,830	44,140	31,350	27,610	-
Ambient Temperature 110°^	R*ON060M4A**	YB06KAE	8,250	7,520	6,820	6,170	5,570	4,010	-	-
	R*ON080M4A**	YB07KAE	9,610	8,770	7,990	7,240	6,560	4,790	-	-
	R*ON100M4A**	YB08KAE	10,610	9,740	8,880	8,090	7,350	5,440	-	-
	R*ON130E4A**	YS09KAE	11,560	10,560	9,640	8,810	7,990	5,890	-	-
	R*ON150E4A**	YS11KAE	14,560	13,220	12,020	10,890	9,870	7,220	-	-
	R*ON180E4A**	YS12KAE	15,970	14,570	13,270	12,040	10,900	8,000	-	-
	R*ON200E4A**	YS14KAE	19,360	17,670	16,090	14,600	13,220	9,680	-	-
	R*ON250E4A**	YS16KAE	21,080	19,260	17,560	15,960	14,460	10,700	-	-
	R*ON280E4A**	YS19KAE	29,660	26,730	24,050	21,580	19,350	13,850	-	-
	R*ON300E4A**	YS21KAE	32,450	29,280	26,400	23,740	21,300	15,270	-	-
	R*ON350E4A**	YS24KAE	35,540	32,140	29,040	26,120	23,500	16,870	-	-
	R*ON400E4A**	YS26KAE	39,250	35,540	32,130	28,950	26,060	18,760	-	-
	R*ON450E4A**	YS30KA	43,150	39,060	35,450	32,020	28,900	20,980	-	-
	R*ON500E4A**	YS33KAE	51,550	47,070	42,780	38,670	34,850	24,680	-	-
	R*ON600E4A**	YS40KAE	59,720	54,570	49,640	45,030	40,660	29,000	-	-

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power when applicable.

^High Ambient Option Recommended

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CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R454C SCROLL // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 90°	R*ON060M4A**	YB06KAE	8,880	8,070	7,300	6,580	5,910	4,230	3,770	3,000
	R*ON080M4A**	YB07KAE	10,450	9,510	8,630	7,800	7,020	5,000	4,410	3,430
	R*ON100M4A**	YB08KAE	11,700	10,700	9,740	8,840	7,990	5,780	5,140	4,060
	R*ON130E4A**	YS09KAE	12,780	11,590	10,530	9,530	8,590	6,210	5,560	4,490
	R*ON150E4A**	YS11KAE	15,910	14,420	13,020	11,690	10,530	7,530	6,760	5,490
	R*ON180E4A**	YS12KAE	17,460	15,800	14,290	12,880	11,590	8,330	7,420	5,990
	R*ON200E4A**	YS14KAE	21,150	19,170	17,310	15,620	14,060	10,070	9,040	7,340
	R*ON250E4A**	YS16KAE	23,140	21,000	19,010	17,170	15,450	11,110	9,900	8,000
	R*ON280E4A**	YS19KAE	31,360	28,120	25,160	22,470	20,010	13,980	12,370	10,060
	R*ON300E4A**	YS21KAE	34,420	30,930	27,740	24,800	22,120	15,550	13,930	11,390
	R*ON350E4A**	YS24KAE	37,910	34,090	30,590	27,380	24,450	17,240	15,450	12,660
	R*ON400E4A**	YS26KAE	42,020	37,830	33,990	30,430	27,200	19,210	17,050	13,630
	R*ON450E4A**	YS30KA	46,600	41,910	37,810	33,950	30,460	21,600	19,360	15,810
	R*ON500E4A**	YS33KAE	58,120	52,810	47,880	43,200	38,740	27,040	23,730	17,840
	R*ON600E4A**	YS40KAE	67,700	61,820	55,880	50,560	45,380	31,900	28,160	21,280
Ambient Temperature 95°	R*ON060M4A**	YB06KAE	8,510	7,720	6,980	6,290	5,650	4,040	3,590	2,880
	R*ON080M4A**	YB07KAE	10,000	9,090	8,250	7,450	6,710	4,780	4,220	3,290
	R*ON100M4A**	YB08KAE	11,210	10,250	9,290	8,420	7,590	5,510	4,920	3,920
	R*ON130E4A**	YS09KAE	12,170	11,040	10,040	9,090	8,170	5,900	5,290	4,280
	R*ON150E4A**	YS11KAE	15,150	13,700	12,410	11,130	10,030	7,210	6,470	5,300
	R*ON180E4A**	YS12KAE	16,590	15,060	13,570	12,230	11,010	7,930	7,060	5,730
	R*ON200E4A**	YS14KAE	20,210	18,300	16,530	14,920	13,410	9,640	8,660	7,060
	R*ON250E4A**	YS16KAE	22,120	20,040	18,110	16,360	14,710	10,590	9,460	7,700
	R*ON280E4A**	YS19KAE	29,970	26,900	24,050	21,470	19,100	13,340	11,800	9,610
	R*ON300E4A**	YS21KAE	32,900	29,580	26,510	23,700	21,140	14,830	13,280	10,850
	R*ON350E4A**	YS24KAE	36,260	32,590	29,230	26,150	23,360	16,430	14,710	12,030
	R*ON400E4A**	YS26KAE	40,150	36,160	32,500	29,070	25,990	18,330	16,390	13,330
	R*ON450E4A**	YS30KA	44,480	40,150	36,200	32,510	29,130	20,540	18,320	14,710
	R*ON500E4A**	YS33KAE	56,040	50,980	46,140	41,640	37,330	26,120	22,880	17,250
	R*ON600E4A**	YS40KAE	65,320	59,500	53,820	48,550	43,650	30,770	27,090	20,590

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R454C SCROLL // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 100°	R*ON060M4A**	YB06KAE	8,130	7,360	6,660	5,990	5,380	3,860	3,450	-
	R*ON080M4A**	YB07KAE	9,540	8,680	7,860	7,100	6,390	4,540	4,030	-
	R*ON100M4A**	YB08KAE	10,680	9,760	8,860	8,020	7,240	5,250	4,690	-
	R*ON130E4A**	YS09KAE	11,590	10,510	9,520	8,630	7,760	5,620	5,040	-
	R*ON150E4A**	YS11KAE	14,480	13,120	11,830	10,600	9,550	6,860	6,190	-
	R*ON180E4A**	YS12KAE	15,810	14,350	12,940	11,640	10,480	7,540	6,700	-
	R*ON200E4A**	YS14KAE	19,220	17,400	15,750	14,210	12,770	9,180	8,230	-
	R*ON250E4A**	YS16KAE	21,090	19,080	17,250	15,560	14,010	10,070	8,990	-
	R*ON280E4A**	YS19KAE	28,630	25,650	22,920	20,460	18,210	12,740	11,420	-
	R*ON300E4A**	YS21KAE	31,420	28,220	25,270	22,580	20,130	14,110	12,650	-
	R*ON350E4A**	YS24KAE	34,610	31,060	27,850	24,930	22,220	15,630	14,020	-
	R*ON400E4A**	YS26KAE	38,300	34,470	30,940	27,680	24,730	17,470	15,640	-
	R*ON450E4A**	YS30KA	42,450	38,320	34,420	30,770	27,560	19,520	17,500	-
	R*ON500E4A**	YS33KAE	54,160	49,120	44,490	40,030	35,890	25,100	22,070	-
	R*ON600E4A**	YS40KAE	62,930	57,250	51,860	46,940	41,970	29,540	25,910	-
Ambient Temperature 110° [^]	R*ON060M4A**	YB06KAE	7,370	6,670	6,010	5,410	4,850	3,470	-	-
	R*ON080M4A**	YB07KAE	8,620	7,830	7,090	6,410	5,750	4,080	-	-
	R*ON100M4A**	YB08KAE	9,590	8,760	7,950	7,220	6,520	4,750	-	-
	R*ON130E4A**	YS09KAE	10,430	9,470	8,560	7,710	6,960	5,040	-	-
	R*ON150E4A**	YS11KAE	13,030	11,810	10,660	9,610	8,630	6,170	-	-
	R*ON180E4A**	YS12KAE	14,180	12,860	11,630	10,450	9,400	6,780	-	-
	R*ON200E4A**	YS14KAE	17,360	15,710	14,210	12,790	11,490	8,250	-	-
	R*ON250E4A**	YS16KAE	18,980	17,170	15,500	14,010	12,580	9,040	-	-
	R*ON280E4A**	YS19KAE	25,890	23,160	20,630	18,390	16,350	11,390	-	-
	R*ON300E4A**	YS21KAE	28,420	25,480	22,790	20,330	18,110	12,680	-	-
	R*ON350E4A**	YS24KAE	31,270	28,060	25,140	22,430	19,990	14,040	-	-
	R*ON400E4A**	YS26KAE	34,630	31,120	27,910	24,940	22,250	15,690	-	-
	R*ON450E4A**	YS30KA	38,220	34,420	30,880	27,640	24,760	17,560	-	-
	R*ON500E4A**	YS33KAE	49,930	45,300	41,010	36,870	33,050	23,020	-	-
	R*ON600E4A**	YS40KAE	57,950	52,750	47,780	43,080	38,650	27,100	-	-

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

[^]High Ambient Option Recommended

10 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R455A SCROLL // 60 HZ†

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 90°	R*ON060M4A**	YB06KAE	9,730	8,850	8,000	7,210	6,480	4,590	4,060	3,170
	R*ON080M4A**	YB07KAE	11,460	10,440	9,480	8,570	7,720	5,530	4,900	3,830
	R*ON100M4A**	YB08KAE	12,780	11,660	10,610	9,640	8,730	6,300	5,610	4,410
	R*ON130E4A**	YS09KAE	13,900	12,680	11,450	10,410	9,380	6,780	6,080	4,830
	R*ON150E4A**	YS11KAE	17,430	15,760	14,200	12,820	11,500	8,260	7,410	6,050
	R*ON180E4A**	YS12KAE	19,050	17,270	15,600	14,110	12,690	9,140	8,140	6,650
	R*ON200E4A**	YS14KAE	23,120	21,000	19,010	17,130	15,410	11,060	9,860	7,900
	R*ON250E4A**	YS16KAE	25,320	23,000	20,800	18,820	16,980	12,220	10,910	8,770
	R*ON280E4A**	YS19KAE	34,150	30,690	27,480	24,550	21,870	15,330	13,600	11,070
	R*ON300E4A**	YS21KAE	37,620	33,860	30,390	27,200	24,280	17,030	15,110	12,190
	R*ON350E4A**	YS24KAE	41,430	37,320	33,560	30,040	26,830	18,870	16,760	13,360
	R*ON400E4A**	YS26KAE	45,940	41,460	37,270	33,440	29,860	21,120	18,700	15,060
	R*ON450E4A**	YS30KA	50,920	45,930	41,460	37,350	33,520	23,750	20,960	16,730
	R*ON500E4A**	YS33KAE	61,080	55,630	50,290	45,470	40,710	28,510	25,050	18,800
	R*ON600E4A**	YS40KAE	71,050	64,810	58,670	53,100	47,760	33,620	29,540	22,450
Ambient Temperature 95°	R*ON060M4A**	YB06KAE	9,310	8,460	7,650	6,900	6,190	4,390	3,860	-
	R*ON080M4A**	YB07KAE	10,960	9,980	9,060	8,190	7,380	5,280	4,680	-
	R*ON100M4A**	YB08KAE	12,190	11,140	10,110	9,190	8,320	6,020	5,370	-
	R*ON130E4A**	YS09KAE	13,270	12,080	10,960	9,930	8,940	6,480	5,780	-
	R*ON150E4A**	YS11KAE	16,580	14,990	13,480	12,190	10,980	7,850	7,010	-
	R*ON180E4A**	YS12KAE	18,230	16,450	14,950	13,460	12,120	8,730	7,770	-
	R*ON200E4A**	YS14KAE	22,120	20,040	18,150	16,350	14,730	10,550	9,420	-
	R*ON250E4A**	YS16KAE	24,110	21,980	19,890	17,980	16,220	11,680	10,450	-
	R*ON280E4A**	YS19KAE	32,730	29,350	26,270	23,470	20,910	14,660	12,980	-
	R*ON300E4A**	YS21KAE	35,980	32,380	29,040	25,980	23,180	16,310	14,400	-
	R*ON350E4A**	YS24KAE	39,660	35,700	32,060	28,680	25,600	18,030	16,040	-
	R*ON400E4A**	YS26KAE	43,950	39,620	35,610	31,920	28,520	20,120	17,980	-
	R*ON450E4A**	YS30KA	48,750	43,950	39,520	35,520	31,800	22,590	20,040	-
	R*ON500E4A**	YS33KAE	58,900	53,640	48,560	43,770	39,180	27,390	24,050	-
	R*ON600E4A**	YS40KAE	68,460	62,420	56,540	51,100	45,910	32,340	28,480	-

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

†Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

EXTENDED MEDIUM TEMPERATURE R455A SCROLL // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)							
			40°	35°	30°	25°	20°	5°	0°	-10°
Ambient Temperature 100°	R*ON060M4A**	YB06KAE	8,900	8,070	7,300	6,580	5,900	4,180	3,710	-
	R*ON080M4A**	YB07KAE	10,460	9,530	8,650	7,810	7,030	5,000	4,420	-
	R*ON100M4A**	YB08KAE	11,620	10,620	9,670	8,730	7,910	5,730	5,120	-
	R*ON130E4A**	YS09KAE	12,680	11,500	10,430	9,420	8,490	6,140	5,480	-
	R*ON150E4A**	YS11KAE	15,810	14,320	12,930	11,620	10,440	7,480	6,710	-
	R*ON180E4A**	YS12KAE	17,410	15,750	14,120	12,770	11,500	8,280	7,380	-
	R*ON200E4A**	YS14KAE	21,060	19,070	17,280	15,590	14,010	10,030	8,940	-
	R*ON250E4A**	YS16KAE	22,970	20,910	18,920	17,100	15,410	11,090	9,890	-
	R*ON280E4A**	YS19KAE	31,260	28,010	25,000	22,310	19,900	13,940	12,240	-
	R*ON300E4A**	YS21KAE	34,390	30,900	27,690	24,750	22,050	15,480	13,840	-
	R*ON350E4A**	YS24KAE	37,870	34,050	30,550	27,360	24,380	17,140	15,320	-
	R*ON400E4A**	YS26KAE	41,960	37,780	33,980	30,420	27,140	19,160	16,960	-
	R*ON450E4A**	YS30KA	46,120	41,870	37,600	33,800	30,270	21,460	19,060	-
	R*ON500E4A**	YS33KAE	56,730	51,610	46,790	42,070	37,740	26,380	23,110	-
	R*ON600E4A**	YS40KAE	65,730	60,130	54,490	49,190	44,140	31,130	27,310	-
Ambient Temperature 110° [^]	R*ON060M4A**	YB06KAE	8,060	7,300	6,600	5,940	5,330	3,780	-	-
	R*ON080M4A**	YB07KAE	9,450	8,600	7,800	7,050	6,340	4,530	-	-
	R*ON100M4A**	YB08KAE	10,480	9,590	8,700	7,880	7,120	5,180	-	-
	R*ON130E4A**	YS09KAE	11,340	10,310	9,340	8,410	7,600	5,500	-	-
	R*ON150E4A**	YS11KAE	14,270	12,830	11,640	10,430	9,380	6,730	-	-
	R*ON180E4A**	YS12KAE	15,700	14,130	12,670	11,430	10,300	7,420	-	-
	R*ON200E4A**	YS14KAE	19,010	17,190	15,570	14,010	12,570	9,010	-	-
	R*ON250E4A**	YS16KAE	20,750	18,830	17,030	15,380	13,850	9,950	-	-
	R*ON280E4A**	YS19KAE	28,270	25,300	22,620	20,100	17,900	12,530	-	-
	R*ON300E4A**	YS21KAE	31,060	27,910	24,950	22,240	19,830	13,910	-	-
	R*ON350E4A**	YS24KAE	34,230	30,740	27,560	24,560	21,920	15,370	-	-
	R*ON400E4A**	YS26KAE	37,930	34,110	30,520	27,360	24,400	17,190	-	-
	R*ON450E4A**	YS30KA	41,870	37,810	33,780	30,370	27,130	19,270	-	-
	R*ON500E4A**	YS33KAE	52,360	47,590	43,050	38,700	34,670	24,200	-	-
	R*ON600E4A**	YS40KAE	60,600	55,390	50,090	45,270	40,570	28,480	-	-

20° F Superheat Maximum

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

[^]High Ambient Option Recommended

12 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454A SCROLL // 60 HZ‡

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 90°	R*ON100L4A**	YF03KAE	4,760	4,240	3,770	3,340	2,960	2,620	2,320	2,050	1,780
	R*ON130L4A**	YF04KAE	6,350	5,680	5,060	4,500	3,980	3,510	3,100	2,720	2,400
	R*ON160L4A**	YF05KAE	7,330	6,580	5,890	5,250	4,650	4,110	3,620	3,180	2,800
	R*ON230L4A**	YF07KAE	11,340	10,190	9,120	8,160	7,270	6,440	5,700	5,030	4,380
	R*ON250L4A**	YF06KSE	13,670	12,300	11,050	9,890	8,800	7,790	6,870	6,020	5,230
	R*ON300L4A**	YF07KSE	15,050	13,590	12,210	10,930	9,770	8,670	7,650	6,700	5,830
	R*ON350L4A**	YF09KSE	18,090	16,400	14,800	13,320	11,930	10,610	9,380	8,250	7,180
	R*ON400L4A**	YF10KAE	24,000	21,460	19,180	17,030	15,100	13,310	11,700	10,230	8,840
	R*ON500L4A**	YF13KAE	29,180	26,160	23,380	20,830	18,460	16,330	14,390	12,590	10,910
	R*ON600L4A**	YF15KAE	34,000	30,550	27,380	24,400	21,700	19,180	16,920	14,790	12,900
Ambient Temperature 95°	R*ON100L4A**	YF03KAE	4,580	4,070	3,620	3,210	2,850	2,530	2,230	1,970	1,720
	R*ON130L4A**	YF04KAE	6,070	5,450	4,850	4,310	3,820	3,380	2,980	2,620	2,310
	R*ON160L4A**	YF05KAE	7,030	6,320	5,660	5,050	4,470	3,950	3,490	3,070	2,700
	R*ON230L4A**	YF07KAE	10,830	9,730	8,740	7,810	6,970	6,190	5,480	4,810	4,210
	R*ON250L4A**	YF06KSE	13,110	11,820	10,600	9,490	8,450	7,490	6,600	5,780	5,010
	R*ON300L4A**	YF07KSE	14,450	13,040	11,730	10,520	9,390	8,320	7,340	6,420	5,580
	R*ON350L4A**	YF09KSE	17,310	15,700	14,200	12,780	11,430	10,170	9,010	7,910	6,860
	R*ON400L4A**	YF10KAE	23,050	20,640	18,440	16,390	14,500	12,800	11,230	9,790	8,490
	R*ON500L4A**	YF13KAE	27,990	25,130	22,500	20,040	17,770	15,720	13,820	12,050	10,460
	R*ON600L4A**	YF15KAE	32,610	29,350	26,260	23,450	20,840	18,430	16,250	14,220	12,370

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454A SCROLL // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 100°	R*ON100L4A**	YF03KAE	4,380	3,900	3,470	3,080	2,730	2,430	2,150	1,890	1,650
	R*ON130L4A**	YF04KAE	5,830	5,220	4,660	4,140	3,670	3,240	2,860	2,520	2,220
	R*ON160L4A**	YF05KAE	6,730	6,050	5,420	4,830	4,290	3,790	3,350	2,950	2,590
	R*ON230L4A**	YF07KAE	10,340	9,300	8,340	7,480	6,660	5,920	5,240	4,610	4,050
	R*ON250L4A**	YF06KSE	12,570	11,340	10,170	9,090	8,090	7,160	6,310	5,520	4,790
	R*ON300L4A**	YF07KSE	13,840	12,500	11,260	10,070	8,990	7,970	7,030	6,150	5,340
	R*ON350L4A**	YF09KSE	16,570	15,050	13,580	12,230	10,930	9,750	8,610	7,540	6,560
	R*ON400L4A**	YF10KAE	22,100	19,830	17,670	15,710	13,910	12,260	10,760	9,400	8,120
	R*ON500L4A**	YF13KAE	26,830	24,140	21,540	19,180	17,030	15,050	13,230	11,580	10,010
	R*ON600L4A**	YF15KAE	31,330	28,150	25,210	22,470	19,970	17,670	15,570	13,630	11,830
Ambient Temperature 110°^	R*ON100L4A**	YF03KAE	4,000	3,560	3,170	2,820	2,500	2,220	1,970	1,740	1,510
	R*ON130L4A**	YF04KAE	5,310	4,760	4,240	3,780	3,350	2,960	2,620	2,310	2,040
	R*ON160L4A**	YF05KAE	6,150	5,520	4,950	4,420	3,930	3,480	3,080	2,720	2,390
	R*ON230L4A**	YF07KAE	9,380	8,440	7,570	6,780	6,060	5,380	4,780	4,210	3,700
	R*ON250L4A**	YF06KSE	11,460	10,340	9,270	8,290	7,380	6,520	5,750	5,010	4,340
	R*ON300L4A**	YF07KSE	12,660	11,390	10,260	9,200	8,200	7,260	6,400	5,580	4,830
	R*ON350L4A**	YF09KSE	15,110	13,730	12,380	11,130	9,960	8,840	7,820	6,840	5,920
	R*ON400L4A**	YF10KAE	20,220	18,130	16,160	14,350	12,660	11,180	9,800	8,530	7,360
	R*ON500L4A**	YF13KAE	24,590	22,020	19,680	17,530	15,530	13,720	12,070	10,530	9,080
	R*ON600L4A**	YF15KAE	28,610	25,690	22,990	20,530	18,210	16,110	14,190	12,390	10,760

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

^High Ambient Option Recommended

14 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454C SCROLL // 60 HZ‡

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 90°	R*ON100L4A**	YF03KAE	4,100	3,620	3,190	2,810	2,480	2,170	1,910	1,670	1,440
	R*ON130L4A**	YF04KAE	5,500	4,870	4,310	3,800	3,340	2,940	2,580	2,250	1,960
	R*ON160L4A**	YF05KAE	6,400	5,680	5,050	4,460	3,940	3,460	3,040	2,650	2,310
	R*ON230L4A**	YF07KAE	9,900	8,820	7,840	6,950	6,150	5,400	4,750	4,150	3,600
	R*ON250L4A**	YF06KSE	11,640	10,420	9,230	8,250	7,280	6,410	5,620	4,890	4,230
	R*ON300L4A**	YF07KSE	12,850	11,530	10,300	9,160	8,090	7,140	6,270	5,460	4,720
	R*ON350L4A**	YF09KSE	15,590	14,040	12,560	11,210	9,970	8,810	7,750	6,770	5,860
	R*ON400L4A**	YF10KAE	20,120	17,880	15,880	13,970	12,280	10,780	9,420	8,190	7,080
	R*ON500L4A**	YF13KAE	24,580	21,920	19,480	17,250	15,210	13,350	11,670	10,150	8,760
	R*ON600L4A**	YF15KAE	28,840	25,790	22,910	20,330	17,930	15,770	13,800	12,020	10,410
Ambient Temperature 95°	R*ON100L4A**	YF03KAE	3,910	3,460	3,050	2,690	2,370	2,090	1,830	1,600	1,380
	R*ON130L4A**	YF04KAE	5,250	4,660	4,110	3,630	3,200	2,810	2,470	2,160	1,880
	R*ON160L4A**	YF05KAE	6,100	5,430	4,830	4,270	3,770	3,310	2,910	2,540	2,220
	R*ON230L4A**	YF07KAE	9,440	8,410	7,500	6,640	5,870	5,170	4,550	3,980	3,450
	R*ON250L4A**	YF06KSE	11,140	9,970	8,880	7,860	6,980	6,130	5,370	4,680	4,030
	R*ON300L4A**	YF07KSE	12,280	11,050	9,860	8,770	7,740	6,830	6,000	5,220	4,500
	R*ON350L4A**	YF09KSE	14,890	13,360	12,030	10,740	9,540	8,420	7,420	6,470	5,590
	R*ON400L4A**	YF10KAE	19,250	17,100	15,160	13,390	11,780	10,320	9,020	7,840	6,770
	R*ON500L4A**	YF13KAE	23,600	21,030	18,660	16,540	14,560	12,780	11,180	9,700	8,370
	R*ON600L4A**	YF15KAE	27,670	24,690	21,970	19,460	17,180	15,100	13,220	11,500	9,940

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R454C SCROLL // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 100°	R*ON100L4A**	YF03KAE	3,750	3,310	2,910	2,570	2,260	1,990	1,750	1,530	1,330
	R*ON130L4A**	YF04KAE	5,000	4,440	3,920	3,470	3,050	2,690	2,360	2,070	1,800
	R*ON160L4A**	YF05KAE	5,830	5,190	4,610	4,070	3,590	3,170	2,790	2,440	2,120
	R*ON230L4A**	YF07KAE	9,000	8,040	7,130	6,340	5,600	4,940	4,350	3,800	3,300
	R*ON250L4A**	YF06KSE	10,640	9,510	8,490	7,530	6,660	5,860	5,140	4,460	3,850
	R*ON300L4A**	YF07KSE	11,760	10,550	9,420	8,370	7,420	6,530	5,720	4,970	4,280
	R*ON350L4A**	YF09KSE	14,220	12,770	11,460	10,230	9,100	8,040	7,060	6,160	5,320
	R*ON400L4A**	YF10KAE	18,470	16,380	14,530	12,800	11,220	9,860	8,610	7,500	6,440
	R*ON500L4A**	YF13KAE	22,620	20,100	17,870	15,760	13,870	12,190	10,650	9,260	7,970
	R*ON600L4A**	YF15KAE	26,540	23,650	21,020	18,580	16,400	14,410	12,610	11,000	9,500
Ambient Temperature 110° [^]	R*ON100L4A**	YF03KAE	3,400	2,990	2,640	2,330	2,050	1,810	1,590	1,400	1,210
	R*ON130L4A**	YF04KAE	4,520	4,010	3,550	3,120	2,760	2,440	2,150	1,890	1,650
	R*ON160L4A**	YF05KAE	5,260	4,690	4,160	3,690	3,250	2,880	2,530	2,220	1,940
	R*ON230L4A**	YF07KAE	8,140	7,240	6,450	5,720	5,060	4,470	3,940	3,450	3,010
	R*ON250L4A**	YF06KSE	9,670	8,650	7,690	6,830	6,020	5,290	4,630	4,010	3,450
	R*ON300L4A**	YF07KSE	10,680	9,540	8,530	7,590	6,710	5,900	5,160	4,470	3,840
	R*ON350L4A**	YF09KSE	12,870	11,600	10,370	9,250	8,220	7,250	6,380	5,540	4,770
	R*ON400L4A**	YF10KAE	16,780	14,880	13,180	11,600	10,170	8,930	7,800	6,750	5,820
	R*ON500L4A**	YF13KAE	20,540	18,250	16,190	14,280	12,560	11,030	9,620	8,340	7,180
	R*ON600L4A**	YF15KAE	24,120	21,450	19,050	16,880	14,860	13,050	11,410	9,950	8,580

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

[^]High Ambient Option Recommended

16 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

CAPACITY DATA (BTUH)

LOW TEMPERATURE R455A SCROLL // 60 HZ‡

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 90°	R*ON100L4A**	YF03KAE	4,520	4,000	3,530	3,110	2,740	2,410	2,110	1,840	1,600
	R*ON130L4A**	YF04KAE	6,100	5,410	4,780	4,210	3,710	3,250	2,840	2,480	2,160
	R*ON160L4A**	YF05KAE	7,060	6,290	5,590	4,940	4,370	3,830	3,360	2,940	2,560
	R*ON230L4A**	YF07KAE	10,920	9,710	8,670	7,690	6,790	5,990	5,260	4,600	4,010
	R*ON250L4A**	YF06KSE	12,680	11,360	10,130	8,990	7,950	6,990	6,120	5,320	4,590
	R*ON300L4A**	YF07KSE	14,030	12,590	11,240	10,000	8,840	7,780	6,820	5,940	5,110
	R*ON350L4A**	YF09KSE	17,000	15,310	13,720	12,260	10,860	9,620	8,470	7,370	6,370
	R*ON400L4A**	YF10KAE	21,820	19,430	17,230	15,240	13,400	11,770	10,250	8,930	7,710
	R*ON500L4A**	YF13KAE	26,810	23,920	21,250	18,770	16,550	14,520	12,680	11,020	9,510
	R*ON600L4A**	YF15KAE	31,530	28,080	24,940	22,080	19,480	17,120	14,990	13,050	11,300
Ambient Temperature 95°	R*ON100L4A**	YF03KAE	4,340	3,830	3,370	2,970	2,610	2,310	2,030	1,780	1,540
	R*ON130L4A**	YF04KAE	5,820	5,170	4,570	4,040	3,530	3,110	2,720	2,380	2,070
	R*ON160L4A**	YF05KAE	6,740	6,030	5,340	4,730	4,170	3,670	3,220	2,820	2,450
	R*ON230L4A**	YF07KAE	10,440	9,280	8,290	7,360	6,490	5,740	5,040	4,420	3,840
	R*ON250L4A**	YF06KSE	12,120	10,880	9,700	8,600	7,600	6,680	5,850	5,080	4,390
	R*ON300L4A**	YF07KSE	13,460	12,090	10,770	9,570	8,460	7,440	6,510	5,670	4,870
	R*ON350L4A**	YF09KSE	16,240	14,630	13,110	11,720	10,430	9,190	8,090	7,040	6,080
	R*ON400L4A**	YF10KAE	20,970	18,640	16,550	14,580	12,790	11,240	9,810	8,500	7,370
	R*ON500L4A**	YF13KAE	25,710	22,890	20,320	17,950	15,780	13,880	12,130	10,500	9,060
	R*ON600L4A**	YF15KAE	30,140	26,880	23,870	21,110	18,590	16,370	14,330	12,510	10,820

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

CAPACITY DATA (BTUH)

LOW TEMPERATURE R455A SCROLL // 60 HZ[‡]

Model No.		Comp. Model No.	Suction Temperature (°F)								
			0°	-5°	-10°	-15°	-20°	-25°	-30°	-35°	-40°
Ambient Temperature 100°	R*ON100L4A**	YF03KAE	4,150	3,660	3,220	2,840	2,510	2,210	1,940	1,700	1,480
	R*ON130L4A**	YF04KAE	5,550	4,930	4,360	3,850	3,370	2,970	2,610	2,280	1,990
	R*ON160L4A**	YF05KAE	6,430	5,740	5,090	4,520	3,980	3,510	3,080	2,700	2,350
	R*ON230L4A**	YF07KAE	9,940	8,860	7,910	7,020	6,190	5,470	4,820	4,220	3,670
	R*ON250L4A**	YF06KSE	11,630	10,400	9,260	8,230	7,260	6,380	5,580	4,840	4,170
	R*ON300L4A**	YF07KSE	12,840	11,510	10,290	9,150	8,070	7,100	6,210	5,400	4,640
	R*ON350L4A**	YF09KSE	15,520	13,910	12,520	11,200	9,930	8,770	7,700	6,710	5,780
	R*ON400L4A**	YF10KAE	20,080	17,830	15,810	13,930	12,220	10,730	9,360	8,110	7,020
	R*ON500L4A**	YF13KAE	24,580	21,880	19,450	17,160	15,070	13,240	11,580	10,020	8,640
	R*ON600L4A**	YF15KAE	28,830	25,700	22,820	20,180	17,760	15,640	13,690	11,950	10,300
Ambient Temperature 110° [^]	R*ON100L4A**	YF03KAE	3,750	3,310	2,930	-	-	-	-	-	-
	R*ON130L4A**	YF04KAE	5,020	4,450	3,950	-	-	-	-	-	-
	R*ON160L4A**	YF05KAE	5,810	5,180	4,610	-	-	-	-	-	-
	R*ON230L4A**	YF07KAE	8,980	8,030	7,150	-	-	-	-	-	-
	R*ON250L4A**	YF06KSE	10,550	9,430	8,390	-	-	-	-	-	-
	R*ON300L4A**	YF07KSE	11,660	10,450	9,320	-	-	-	-	-	-
	R*ON350L4A**	YF09KSE	14,000	12,670	11,340	-	-	-	-	-	-
	R*ON400L4A**	YF10KAE	18,230	16,110	14,340	-	-	-	-	-	-
	R*ON500L4A**	YF13KAE	22,320	19,870	17,600	-	-	-	-	-	-
	R*ON600L4A**	YF15KAE	26,240	23,340	20,710	-	-	-	-	-	-

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

‡Multiply capacity by .83 when used with 50 Hz power when applicable.

[^]High Ambient Option Recommended

18 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

ELECTRICAL DATA // SCROLL

Model No.		Comp. Model No.	Compressor		Cond. Fan FLA	Air Defrost/ No Defrost Provisions		Max Evap. Fan Amps†	Max Defrost Amps†	Electric Defrost		Electric Defrost Kitt
			RLA	LRA		MCA	MOPD			MCA	MOPD	
200-220V/1/50 Hz	R*ON130E4A**	YS09KAE	8.0	45.0	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON150E4A**	YS11KAE	9.2	45.0	1.2	15.0	20	6	20	26.0	30	ED-6
	R*ON180E4A**	YS12KAE	10.1	54.0	1.2	15.0	20	6	20	26.0	30	ED-6
	R*ON200E4A**	YS14KAE	12.4	61.0	1.2	17.7	30	10	25	32.3	40	ED-7
	R*ON250E4A**	YS16KAE	14.5	79.0	1.2	20.3	30	10	25	32.3	40	ED-7
	R*ON280E4A**	YS19KAE	15.3	76.7	5.2	25.3	40	12	30	38.5	50	ED-10
	R*ON300E4A**	YS21KAE	17.2	87.0	5.2	27.7	40	12	30	39.7	50	ED-10
	R*ON350E4A**	YS24KAE	17.8	122.0	5.2	28.5	45	12	30	40.5	50	ED-10
	R*ON400E4A**	YS26KAE	19.4	133.0	5.2	30.5	45	12	30	42.5	60	ED-10
	R*ON450E4A**	YS30KA	21.9	133.0	5.2	33.6	50	12	30	45.6	60	ED-10
	R*ON500E4A**	YS33KAE	23.7	160.0	5.2	35.8	50	12	30	47.8	70	ED-10
208-230V/1/60 Hz	R*ON060M4A**	YB06KAE	5.4	35.7	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON080M4A**	YB07KAE	5.6	48.0	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON100M4A**	YB08KAE	7.2	47.2	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON130E4A**	YS09KAE	9.0	40.3	0.6	15.0	20	4	15	19.8	25	ED-5
	R*ON150E4A**	YS11KAE	11.3	55.0	1.2	16.3	25	6	20	26.0	30	ED-6
	R*ON180E4A**	YS12KAE	10.8	56.0	1.2	15.7	25	6	20	26.0	30	ED-6
	R*ON200E4A**	YS14KAE	14.1	68.0	1.2	19.8	30	10	25	32.3	40	ED-7
	R*ON250E4A**	YS16KAE	16.2	75.0	1.2	22.5	35	10	25	32.5	45	ED-7
	R*ON280E4A**	YS19KAE	17.8	88.0	5.2	28.5	45	12	30	40.5	50	ED-10
	R*ON300E4A**	YS21KAE	20.8	112.0	5.2	32.2	50	12	30	44.2	60	ED-10
	R*ON350E4A**	YS24KAE	21.2	104.0	5.2	32.7	50	12	30	44.7	60	ED-10
	R*ON400E4A**	YS26KAE	23.4	137.0	5.2	35.5	50	12	30	47.5	70	ED-10
	R*ON450E4A**	YS30KA	23.0	146.0	5.2	35.0	50	12	30	47.0	70	ED-10
	R*ON500E4A**	YS33KAE	28.5	169.0	5.2	41.8	70	12	30	53.8	80	ED-10
	R*ON100L4A**	YF03KAE	5.4	42.3	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON130L4A**	YF04KAE	6.6	40.3	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON160L4A**	YF05KAE	7.8	55.0	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON230L4A**	YF07KAE	12.4	75.0	1.2	17.7	30	6	25	32.3	35	ED-7
208-230V/1/60 Hz,	R*ON250L4A**	YF06KSE	14.7	73.0	1.2	20.6	35	10	25	32.3	45	ED-7
	R*ON300L4A**	YF07KSE	12.8	88.0	1.2	18.2	30	10	25	32.3	40	ED-7
	R*ON350L4A**	YF09KSE	16.3	109.0	1.2	22.6	35	10	30	38.5	45	ED-10
	R*ON400L4A**	YF10KAE	22.4	129.0	5.2	34.2	50	12	30	46.2	60	ED-10
	R*ON500L4A**	YF13KAE	24.7	169.0	5.2	37.1	60	12	30	49.1	70	ED-10

ELECTRICAL DATA // SCROLL

Model No.		Comp. Model No.	Compressor		Cond. Fan FLA	Air Defrost/ No Defrost Provisions		Max Evap. Fan Amps†	Max Defrost Amps†	Electric Defrost		Electric Defrost Kit†
			RLA	LRA		MCA	MOPD			MCA	MOPD	
200-220V/1/50 Hz†	R*ON250L4A**	YF06KSE	14.7	73.0	1.2	20.6	35	10	25	32.3	45	ED-7
	R*ON300L4A**	YF07KSE	12.8	88.0	1.2	18.2	30	10	25	32.3	40	ED-7
	R*ON350L4A**	YF09KSE	16.3	109.0	1.2	22.6	35	10	30	38.5	45	ED-10
	R*ON400L4A**	YF10KAE	22.4	129.0	5.2	34.2	50	12	30	46.2	60	ED-10
	R*ON500L4A**	YF13KAE	24.7	169.0	5.2	37.1	60	12	30	49.1	70	ED-10
208-230V/3/60 Hz, 200-220V/3/50 Hz†	R*ON060M4A**	YB06KAE	4.3	37.8	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON080M4A**	YB07KAE	4.7	37.8	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON100M4A**	YB08KAE	4.7	37.8	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON130E4A**	YS09KAE	7.2	55.4	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON150E4A**	YS11KAE	9.3	58	1.2	15.0	20	6	15	19.8	25	ED-5
	R*ON180E4A**	YS12KAE	8.7	58	1.2	15.0	20	6	15	19.8	25	ED-5
	R*ON200E4A**	YS14KAE	9.6	58	1.2	15.0	20	10	20	26.0	30	ED-6
	R*ON250E4A**	YS16KAE	12.3	73	1.2	17.6	25	10	25	32.3	35	ED-7
	R*ON280E4A**	YS19KAE	10.8	76.9	5.2	19.7	30	12	25	32.3	40	ED-7
	R*ON300E4A**	YS21KAE	13.7	93	5.2	23.3	35	12	25	35.3	45	ED-7
	R*ON350E4A**	YS24KAE	13.9	93	5.2	23.6	35	12	25	35.6	45	ED-7
	R*ON400E4A**	YS26KAE	18.4	114	5.2	29.2	45	12	30	41.2	50	ED-11
	R*ON450E4A**	YS30KA	20	114	5.2	31.2	50	12	30	43.2	60	ED-11
	R*ON500E4A**	YS33KAE	19.2	123	5.2	30.2	45	12	30	42.2	60	ED-11
	R*ON600E4A**	YS40KAE	21.5	156	5.2	33.1	50	12	30	45.1	60	ED-11
	R*ON100L4A**	YF03KAE	3.7	31.7	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON130L4A**	YF04KAE	6	55.4	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON160L4A**	YF05KAE	6.6	58	0.6	15.0	15	4	15	19.8	20	ED-5
	R*ON230L4A**	YF07KAE	7.8	58	1.2	15.0	15	6	15	19.8	25	ED-5
	R*ON250L4A**	YF06KSE	8.7	63	1.2	15.0	20	10	20	26.0	30	ED-6
	R*ON300L4A**	YF07KSE	8.7	83	1.2	15.0	20	10	20	26.0	30	ED-6
	R*ON350L4A**	YF09KSE	10.9	88	1.2	15.8	25	10	25	32.3	35	ED-7
	R*ON400L4A**	YF10KAE	11.9	99	5.2	21.1	30	12	25	33.1	45	ED-7
	R*ON500L4A**	YF13KAE	17	123	5.2	27.5	40	12	30	39.5	50	ED-11
	R*ON600L4A**	YF15KAE	19.6	156	5.2	30.7	50	12	30	42.7	60	ED-11

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

RLA = Rated Load Amps LRA = Locked Rotor Amps MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

†Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature.

Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation.

Contact Application Engineering when amp draw requirements deviate from the chart values.

‡R*ON060M4A**, R*ON080M4A**, R*ON100M4A**, R*ON100L4A**, R*ON130L4A**, and R*ON160L4A** are not available in 200-220V/1/50 Hz, 200-220V/3/50, 380V/3/50 Hz or 460V/3/60 Hz.

++ RBON130E4A** is not available in 460V. R*ON230L4A** is not available in 200-220V/1/50 Hz, 200-220V/3/50, or 380V/3/50 Hz.

20 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

ELECTRICAL DATA // SCROLL

Model No.		Comp. Model No.	Compressor		Cond. Fan FLA	Air Defrost/ No Defrost Provisions		Max Evap. Fan Amps†	Max Defrost Amps†	Electric Defrost		Electric Defrost Kit†
			RLA	LRA		MCA	MOPD			MCA	MOPD	
460V/3/60 Hz, 380V/3/50 Hz‡	R*ON130E4A**++	YS09KAE	3.4	27	0.6	15.0	15	2	15	19.8	20	ED-17
	R*ON150E4A**	YS11KAE	3.8	28	1.2	15.0	15	3	15	19.8	20	ED-17
	R*ON180E4A**	YS12KAE	4.3	29	1.2	15.0	15	3	15	19.8	20	ED-17
	R*ON200E4A**	YS14KAE	4.8	29	1.2	15.0	15	5	15	19.8	20	ED-17
	R*ON250E4A**	YS16KAE	5.8	38	1.2	15.0	15	5	15	19.8	20	ED-17
	R*ON280E4A**	YS19KAE	4.9	41.6	3.1	15.0	15	6	15	19.8	20	ED-17
	R*ON300E4A**	YS21KAE	6.2	48	3.1	15.0	15	6	15	19.8	20	ED-17
	R*ON350E4A**	YS24KAE	6.2	48	3.1	15.0	15	6	15	19.8	20	ED-17
	R*ON400E4A**	YS26KAE	8.4	58	3.1	15.0	20	6	15	20.6	25	ED-17
	R*ON450E4A**	YS30KA	9	52	3.1	15.4	20	6	20	26.0	30	ED-18
	R*ON500E4A**	YS33KAE	8.7	62	3.1	15.0	20	6	20	26.0	30	ED-18
	R*ON600E4A**	YS40KAE	8.3	75	3.1	15.0	20	6	20	26.0	30	ED-18
	R*ON230L4A**	YF07KAE	3.6	28	1.2	15.0	15	3	15	19.8	20	ED-17
	R*ON250L4A**	YF06KSE	4.5	31	1.2	15.0	15	5	15	19.8	20	ED-17
	R*ON300L4A**	YF07KSE	4.5	39	1.2	15.0	15	5	15	19.8	20	ED-17
	R*ON350L4A**	YF09KSE	5.8	44	1.2	15.0	15	5	15	19.8	20	ED-17
	R*ON400L4A**	YF10KAE	6.4	49.5	3.1	15.0	15	6	15	19.8	20	ED-17
	R*ON500L4A**	YF13KAE	8	62	3.1	15.0	20	6	15	20.1	25	ED-17
R*ON600L4A**	YF15KAE	8	62	3.1	15.0	20	6	15	20.1	25	ED-17	

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

RLA = Rated Load Amps LRA = Locked Rotor Amps MCA = Minimum Circuit Ampacity MOPD = Maximum Overcurrent Protection

MCA includes 1 amp allowance for control circuit requirement.

†Maximum Evap. fan amps and maximum defrost amps are shown to provide ratings when electric defrost is required and is an optional feature. Maximum Amp value used to determine MOPD. Exceeding these values invalidates the listed MOPD and requires a revised calculation.

Contact Application Engineering when amp draw requirements deviate from the chart values.

‡R*ON060M4A**, R*ON080M4A**, R*ON100M4A**, R*ON100L4A**, R*ON130L4A**, and R*ON160L4A** are not available in 200-220V/1/50 Hz, 200-220V/3/50, 380V/3/50 Hz or 460V/3/60 Hz.

++ RBON130E4A** is not available in 460V. R*ON230L4A** is not available in 200-220V/1/50 Hz, 200-220V/3/50, or 380V/3/50 Hz.

SPECIFICATIONS // ALL MODELS

Model Data			Connections (in.)		Pump Down Capacity (lbs)						
Model No.		Comp. Model No.	HP	Liquid	Suction	Standard Receiver			Oversized Receiver		
						90% R454A	90% R454C	90% R455A	90% R454A	90% R454C	90% R455A
Medium/Extended Medium Temperature Scroll	R*ON060M4A**	YB06KAE	1/2	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON080M4A**	YB07KAE	3/4	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON100M4A**	YB08KAE	1	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON130E4A**	YS09KAE	1	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON150E4A**	YS11KAE	1-1/4	1/2	7/8	13.3	13.6	13.5	17	17.4	17.2
	R*ON180E4A**	YS12KAE	1-1/2	1/2	7/8	13.3	13.6	13.5	17	17.4	17.2
	R*ON200E4A**	YS14KAE	2	1/2	7/8	14.9	15.2	15	20.5	20.9	20.7
	R*ON250E4A**	YS16KAE	2-1/2	1/2	7/8	14.9	15.2	15	20.5	20.9	20.7
	R*ON280E4A**	YS19KAE	2-3/4	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON300E4A**	YS21KAE	3	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON350E4A**	YS24KAE	3-1/2	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON400E4A**	YS26KAE	4	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON450E4A**	YS30KAE	4-1/2	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON500E4A**	YS33KAE	5	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON600E4A**	YS40KAE	6	5/8	1-1/8	27.4	27.9	27.7	37.1	37.8	37.5
Low Temperature Scroll	R*ON100L4A**	YF03KAE	1	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON130L4A**	YF04KAE	1-1/3	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON160L4A**	YF05KAE	1-1/2	3/8	5/8	10.8	11	10.9	13.3	13.6	13.5
	R*ON230L4A**	YF07KAE	2-1/3	3/8	7/8	13.3	13.6	13.5	17	17.4	17.2
	R*ON250L4A**	YF06KSE	2-1/2	3/8	7/8	14.9	15.2	15	20.5	20.9	20.7
	R*ON300L4A**	YF07KSE	3	3/8	7/8	14.9	15.2	15	20.5	20.9	20.7
	R*ON350L4A**	YF09KSE	3-1/2	3/8	7/8	14.9	15.2	15	20.5	20.9	20.7
	R*ON400L4A**	YF10KAE	4	1/2	11/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON500L4A**	YF13KAE	5	1/2	11/8	27.4	27.9	27.7	37.1	37.8	37.5
	R*ON600L4A**	YF15KAE	6	1/2	11/8	27.4	27.9	27.7	37.1	37.8	37.5

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

22 | A2L LOW VELOCITY CENTER MOUNT UNIT COOLER

SPECIFICATIONS // ALL MODELS

Model Data			Cabinet Size††	Fan Qty	Dimensions (in.)			Approx. Ship WT. (lbs)	Sound dBA†
Model No.	Comp. Model No.				D	W	H		
Medium/Extended Medium Temperature Scroll	R*ON060M4A**	YB06KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON080M4A**	YB07KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON100M4A**	YB08KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON130E4A**	YS09KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON150E4A**	YS11KAE	FM2	2	28-1/4	39-7/8	18-3/4	205	71
	R*ON180E4A**	YS12KAE	FM2	2	28-1/4	39-7/8	18-3/4	210	71
	R*ON200E4A**	YS14KAE	FM3	2	28-1/4	39-7/8	21-1/4	215	71
	R*ON250E4A**	YS16KAE	FM3	2	28-1/4	39-7/8	21-1/4	230	72
	R*ON280E4A**	YS19KAE	FM4	1	33	43-7/8	35	305	72
	R*ON300E4A**	YS21KAE	FM4	1	33	43-7/8	35	305	72
	R*ON350E4A**	YS24KAE	FM4	1	33	43-7/8	35	325	72
	R*ON400E4A**	YS26KAE	FM4	1	33	43-7/8	35	352	74
	R*ON450E4A**	YS30KAE	FM4	1	33	43-7/8	35	375	74
	R*ON500E4A**	YS33KAE	FM4	1	33	43-7/8	35	383	74
	R*ON600E4A**	YS40KAE	FM4	1	33	43-7/8	35	405	76
Low Temperature Scroll	R*ON100L4A**	YF03KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON130L4A**	YF04KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON160L4A**	YF05KAE	FM1	1	28-1/4	27-7/8	18-3/4	195	70
	R*ON230L4A**	YF07KAE	FM2	2	28-1/4	39-7/8	18-3/4	230	71
	R*ON250L4A**	YF06KSE	FM3	2	28-1/4	39-7/8	21-1/4	240	73
	R*ON300L4A**	YF07KSE	FM3	2	28-1/4	39-7/8	21-1/4	245	73
	R*ON350L4A**	YF09KSE	FM3	2	28-1/4	39-7/8	21-1/4	255	73
	R*ON400L4A**	YF10KAE	FM4	1	33	43-7/8	35	352	73
	R*ON500L4A**	YF13KAE	FM4	1	33	43-7/8	35	367	74
	R*ON600L4A**	YF15KAE	FM4	1	33	43-7/8	35	383	76

*Each asterisk represents a variable character based upon model, voltage, and vintage ordered. See page 5 for nomenclature.

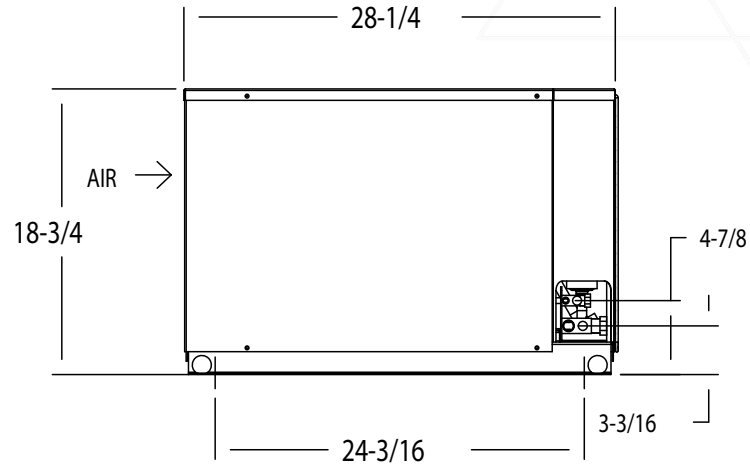
†Estimated dBA values at 10 feet from the unit. Correction factors: Deduct 6 dBA for 20 to 40 feet, 12 dBA @ 40 to 60 feet. Ratings at the outlet of the discharge air. The actual measurements may vary depending upon installation variables. Environmental factors may have a significant influence on this data.

††See pages 17-18 for associated drawings.

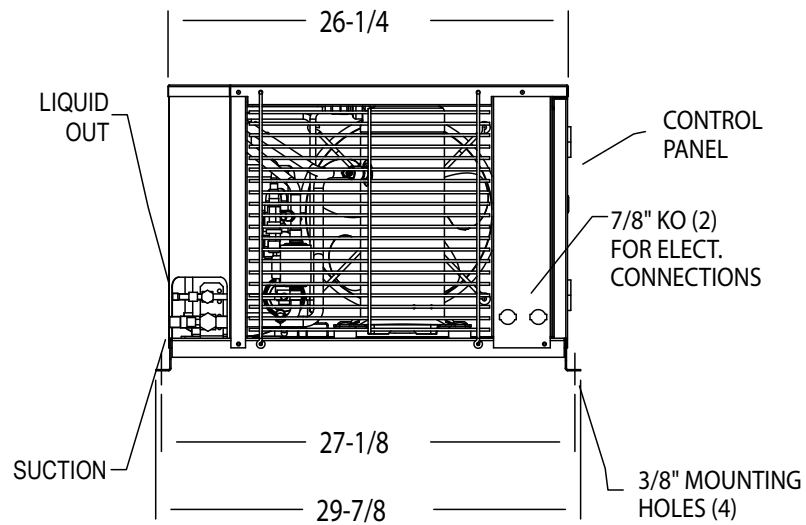
PHYSICAL DIMENSIONS

Cabinet Size FM1

Depth View



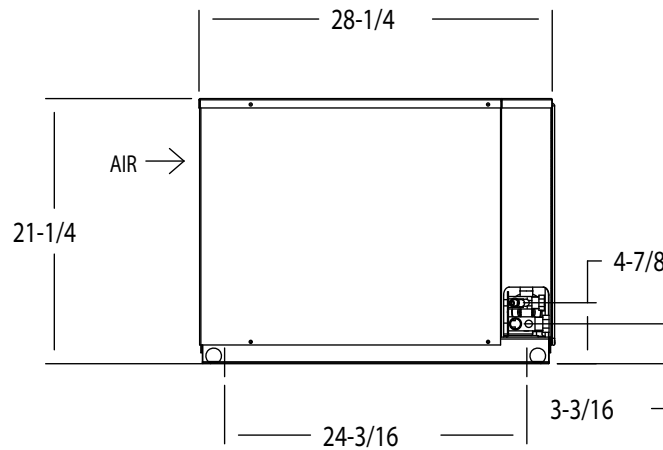
Width View



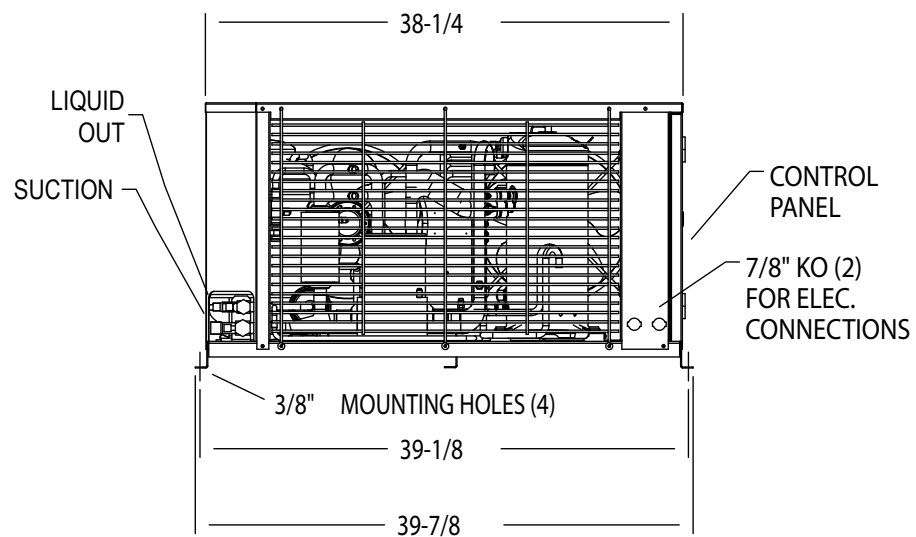
PHYSICAL DIMENSIONS

Cabinet Size FM3

Depth View



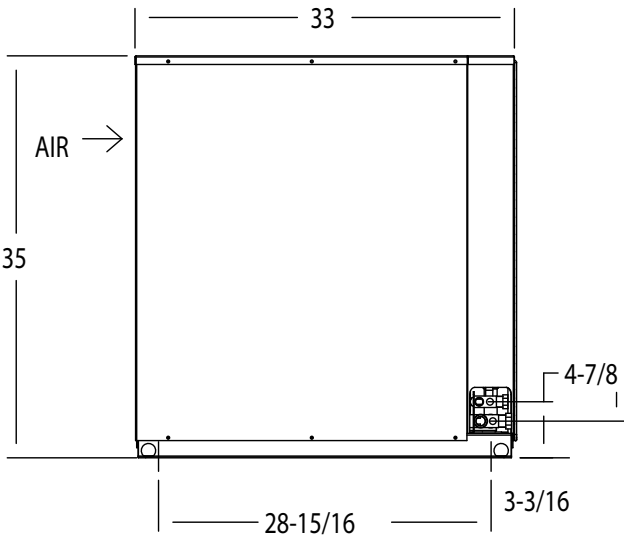
Width View



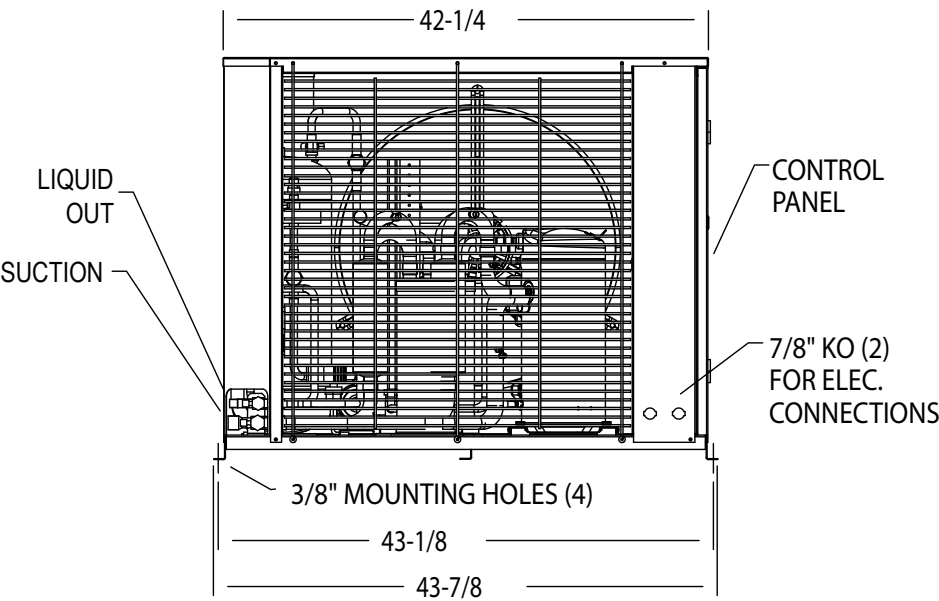
PHYSICAL DIMENSIONS

Cabinet Size FM4

Depth View



Width View



All dimensions are in inches.

SPECIFICATIONS // ALL MODELS

DEPARTMENT OF ENERGY ANNUAL WALK-IN ENERGY FACTOR (AWEF) RATINGS

	Base Model No.	Cabinet Size ^{††}	AWEF		
			R454A	R454C	R455A
Scroll Extended Medium Temperature Models	R*ON060M4A**	FM1	7.60	7.60	7.60
	R*ON080M4A**	FM1	7.60	7.60	7.60
	R*ON100M4A**	FM1	7.60	7.60	7.60
	R*ON130E4A**	FM1	7.60	7.60	7.60
	R*ON150E4A**	FM2	7.60	7.60	7.60
	R*ON180E4A**	FM2	7.60	7.60	7.60
	R*ON200E4A**	FM3	7.60	7.60	7.60
	R*ON250E4A**	FM3	7.60	7.60	7.60
	R*ON280E4A**	FM4	7.60	7.60	7.60
	R*ON300E4A**	FM4	7.60	7.60	7.60
	R*ON350E4A**	FM4	7.60	7.60	7.60
	R*ON400E4A**	FM4	7.60	7.60	7.60
	R*ON450E4A**	FM4	7.60	7.60	7.60
	R*ON500E4A**	FM4	7.60	7.60	7.60
	R*ON600E4A**	FM4	7.60	7.60	7.60

If the medium temperature model has a numerical value in the table above, the following statement applies: "This refrigeration system is designed and certified for use in walk-in cooler applications."

Scroll Low Temperature Models	R*ON100L4A**	FM1	2.89	2.89	2.89
	R*ON130L4A**	FM1	2.94	2.94	2.94
	R*ON160L4A**	FM1	2.98	2.98	2.98
	R*ON230L4A**	FM2	3.14	3.14	3.14
	R*ON250L4A**	FM3	3.15	3.15	3.15
	R*ON300L4A**	FM3	3.15	3.15	3.15
	R*ON350L4A**	FM3	3.15	3.15	3.15
	R*ON400L4A**	FM4	3.15	3.15	3.15
	R*ON500L4A**	FM4	3.15	3.15	3.15
	R*ON600L4A**	FM4	3.15	3.15	3.15

If the low temperature model has a numerical value in the table above, the following statement applies: "This refrigeration system is designed and certified for use in walk-in cooler applications."

*Each asterisk represents a variable character based upon model, refrigerant, voltage, and vintage ordered.

See page 5 for nomenclature.

††See pages 23-26 for associated drawings.



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Published June 2025

RU-RFH-A2L-0625

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