

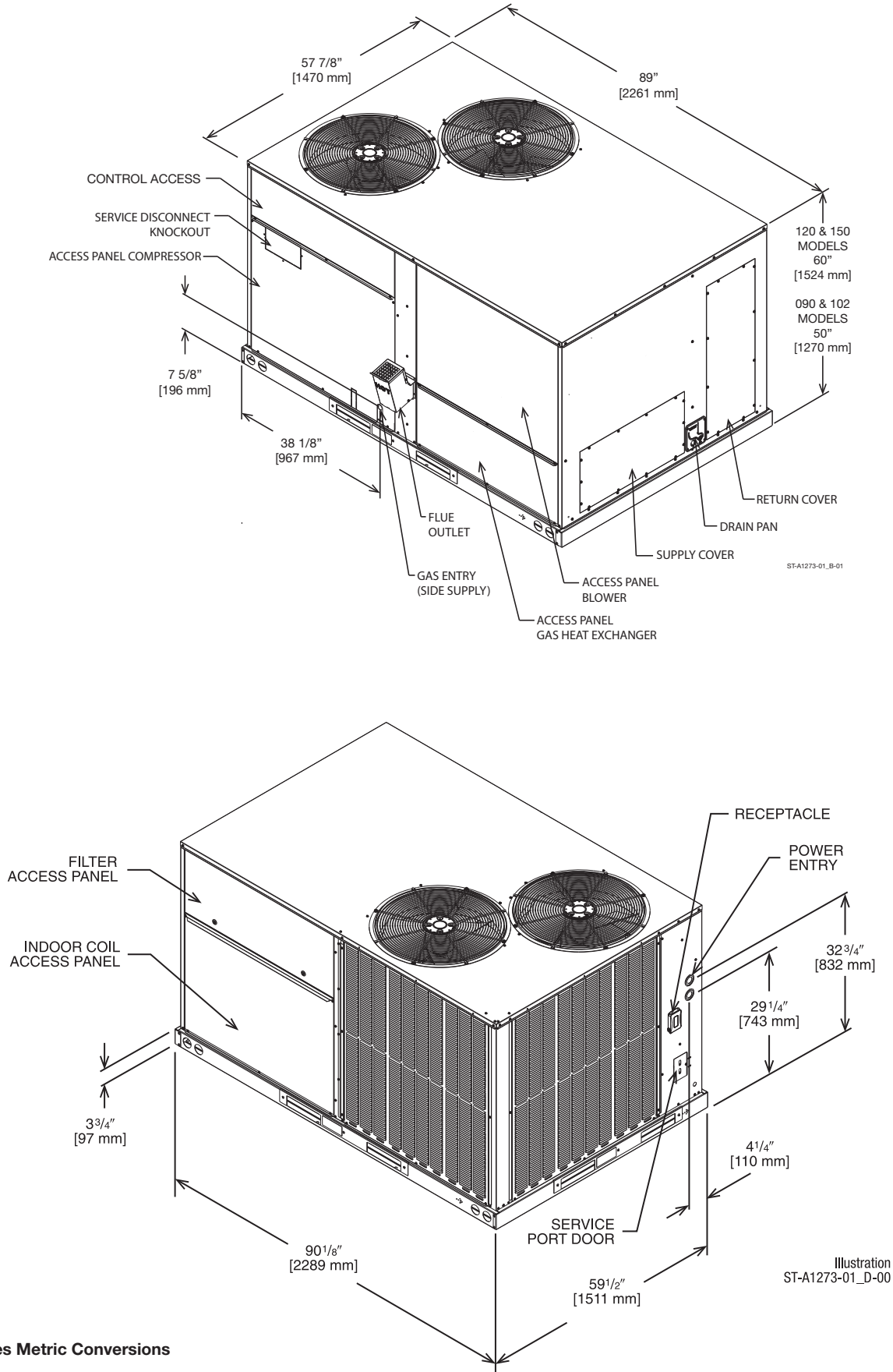
ELECTRICAL DATA – RGEDYB SERIES							
		120ACF15 120ACF22	120ACG15 120ACG22 120ACH15 120ACH22	120ADF15 120ADF22	120ADG15 120ADG22 120ADH15 120ADH22	120AYF15 120AYF22	120AYG15 120AYG22 120AYH15 120AYH22
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	45/45	48/48	24	25	19	20
	Minimum Circuit Ampacity with Power Exhaust	50/50	53/53	26	28	21	22
	Minimum Overcurrent Protection Device Size	60/60	60/60	30	30	25	25
	Minimum Overcurrent Protection Device Size with Power Exhaust	60/60	60/60	30	35	25	25
	Maximum Overcurrent Protection Device Size	70/70	70/70	35	35	30	30
	Maximum Overcurrent Protection Device Size with Power Exhaust	70/70	70/70	35	40	30	30
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Amps (RLA), Comp. 1	26.5	26.5	14.0	14.0	11.5	11.5
	Amps (LRA), Comp. 1	255.0	255.0	123.0	123.0	93.7	93.7
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	460	460	575	575
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	2.4	2.4	1.4	1.4	1.0	1.0
	Amps (LRA, each)	4.7	4.7	2.4	2.4	4.7	4.7
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	HP	2	3	2	3	2	3
	Amps (FLA, each)	6.2	9.2	3.0	4.6	2.4	3.5
	Amps (LRA, each)	47.0	74.5	24.0	38.1	19.0	30.0

ELECTRICAL DATA – RGEDYB SERIES

		150ACF15 150ACF22	150ACG15 150ACG22	150ADF15 150ADF22	150ADG15 150ADG22	150AYF15 150AYF22	150AYG15 150AYG22
Unit Information	Unit Operating Voltage Range	187-253	187-253	414-506	414-506	518-633	518-633
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	68/68	75/75	29	31	23	24
	Minimum Circuit Ampacity with Power Exhaust	74/74	80/80	32	34	25	26
	Minimum Overcurrent Protection Device Size	80/80	90/90	35	35	25	30
	Minimum Overcurrent Protection Device Size with Power Exhaust	80/80	90/90	35	40	30	30
	Maximum Overcurrent Protection Device Size	90/90	90/90	35	35	25	30
	Maximum Overcurrent Protection Device Size with Power Exhaust	90/90	100/100	40	40	30	30
Compressor Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	Amps (RLA), Comp. 1	22.4	22.4	8.8	8.8	7.2	7.2
	Amps (LRA), Comp. 1	166.2	166.2	74.6	74.6	54.0	54.0
	Amps (RLA), Comp. 2	22.4	22.4	8.8	8.8	7.2	7.2
	Amps (LRA), Comp. 2	166.2	166.2	74.6	74.6	54.0	54.0
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	460	460	575	575
	Phase	1	1	1	1	1	1
	HP	3/4	3/4	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.2	4.2	2.3	2.3	1.2	1.2
	Amps (LRA, each)	11.5	11.5	5.9	5.9	4.2	4.2
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	460	460	575	575
	Phase	3	3	3	3	3	3
	HP	3	5	3	5	3	5
	Amps (FLA, each)	9.2	15.7	4.6	6.3	3.5	5.1
	Amps (LRA, each)	74.5	95.0	38.1	47.5	30.0	38.0

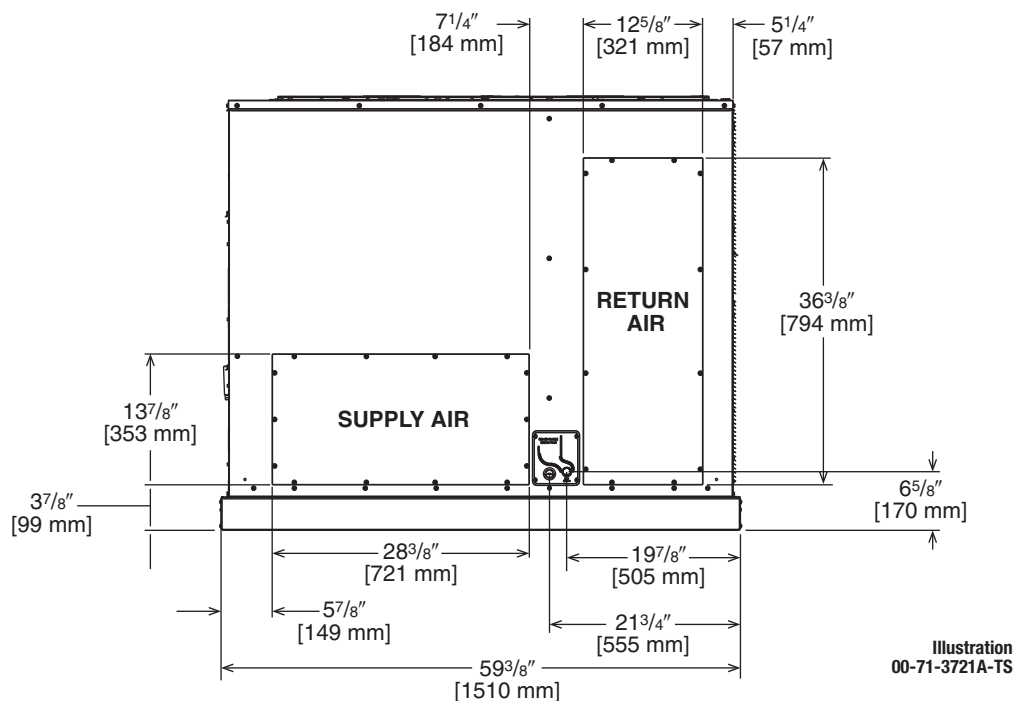
A2L REFRIGERANT INSTALLATION SAFETY DATA

		RGEDYB090	RGEDYB102	RGEDYB120	RGEDYB150	RGEDYB090 w/HumidiDry	RGEDYB102 w/HumidiDry	RGEDYB120 w/HumidiDry	RGEDYB150 w/HumidiDry
Refrigerant Charge		88	113.6	171.2	168	120	152	210.4	214.4
Minimum circulation		293	378	569	559	399	506	700	713
Altitude above Sea Level (ft)	Altitude Adjustment Factor	Minimum Total Space Area, T _{Amin} (Sq. Ft.)							
0	1.000	162	209	316	310	221	280	388	395
1000	1.025	166	215	323	317	227	287	398	405
2000	1.051	170	220	332	325	232	294	408	415
3000	1.078	175	226	340	334	238	302	418	426
4000	1.107	180	232	349	343	245	310	429	437
5000	1.138	185	238	359	352	252	319	441	450
6000	1.170	190	245	369	362	259	328	454	462
6500	1.187	193	249	375	368	263	333	460	469

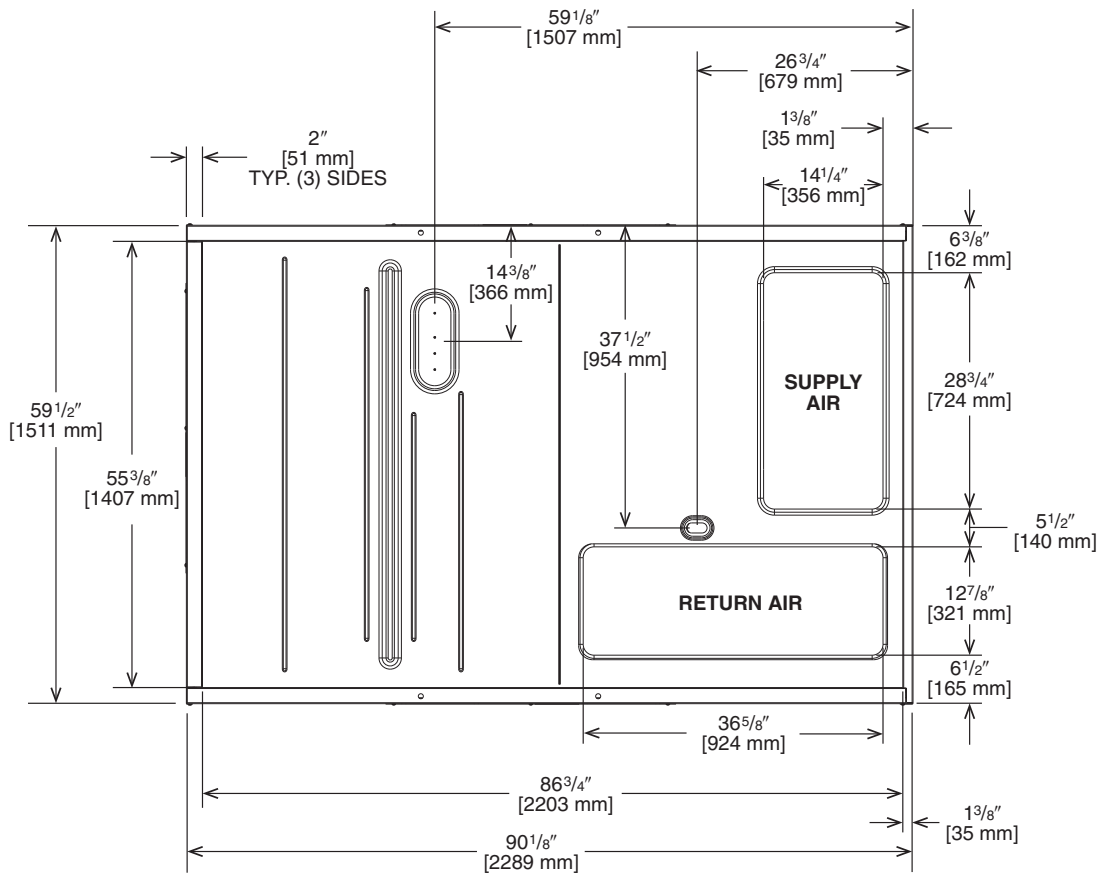


[] Designates Metric Conversions

SUPPLY AND RETURN DIMENSIONS FOR HORIZONTAL APPLICATIONS



SUPPLY AND RETURN DIMENSIONS FOR DOWNFLOW APPLICATIONS (VIEW FROM BOTTOM UP)



[] Designates Metric Conversions

WEIGHTS

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
7.5-12.5 [21.1-44.0]	26%	34%	17%	23%

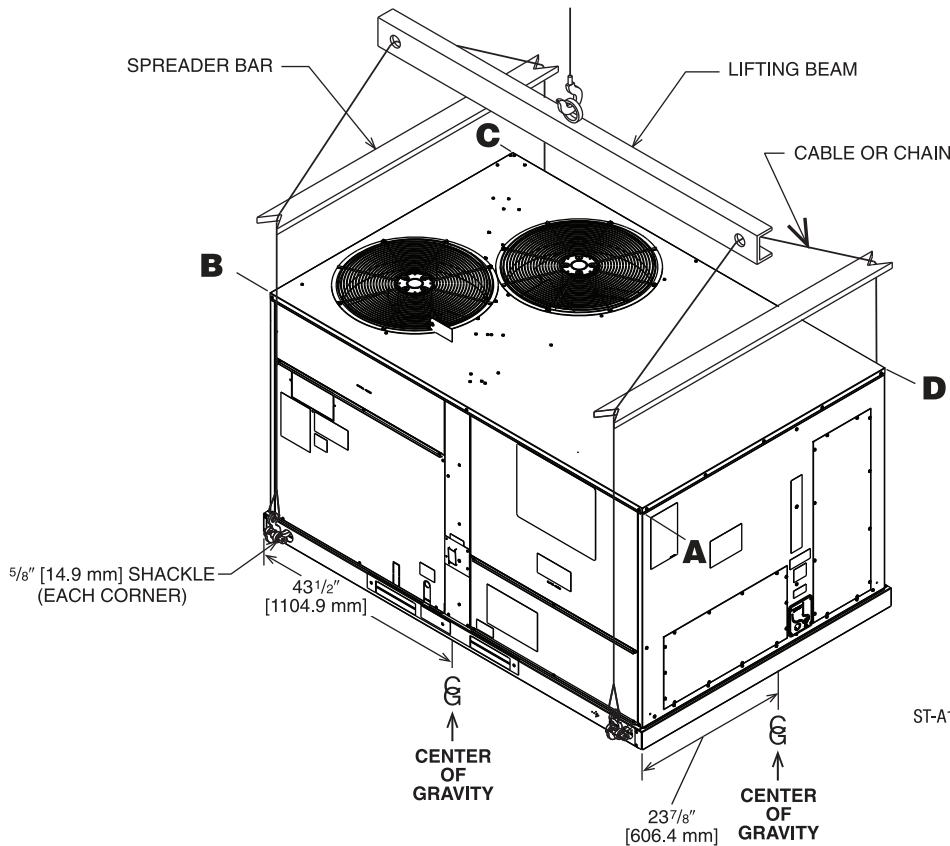


Illustration
ST-A1273-01_J-00

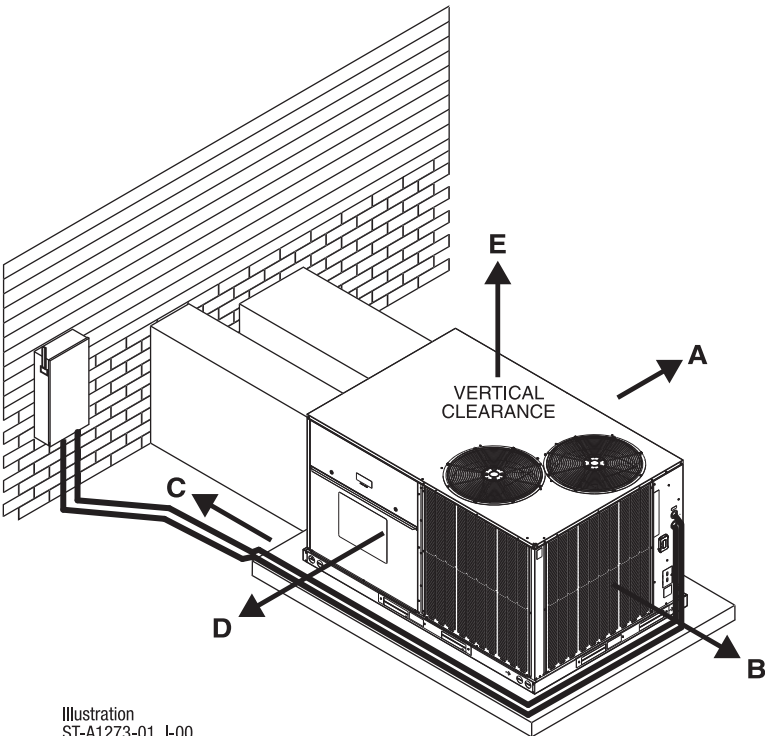


Illustration
ST-A1273-01_I-00

CLEARANCES

The following minimum clearances must be observed for proper unit performance and serviceability.

RECOMMENDED CLEARANCE In. [mm]	LOCATION
48 [1219]	A - FRONT
24 [609]	B - CONDENSER END
48 [1219] ①	C - DUCT END
24 [609] ②	D - FILTER SIDE
60 [1524]	E - ABOVE

① 18" [457 mm] MINIMUM IF DRAINPAN WILL NOT BE REMOVED.
② 48" [1219 mm] MINIMUM IF ECONOMIZER IS INSTALLED.

[] Designates Metric Conversions

FIELD-INSTALLED ACCESSORY EQUIPMENT

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Economizers				
DDC Economizer with Single Enthalpy (Downflow) <i>MicroMetl Economizer with Honeywell Controller</i>	RXRD-01MDDBM3	86 [39.0]	57 [25.9]	Yes
DDC Economizer with Single Enthalpy (Horizontal) <i>MicroMetl Economizer with Honeywell Controller</i>	RXRD-01MDHBM3	84 [38.1]	55 [24.9]	No
Non-DDC Economizer with No Controls (Downflow) <i>MicroMetl Economizer, Belimo Actuator</i>	RXRD-31MDDAM3	86 [39.0]	57 [25.9]	No
Non-DDC Economizer with Single Enthalpy (Downflow) <i>MicroMetl Economizer with Siemens Controls</i>	RXRD-11MDDAM3	86 [39.0]	57 [25.9]	Yes
Non-DDC Economizer with Single Enthalpy (Downflow) <i>Ruskin Rooftop Systems Economizer with RRS Basic Controller</i>	RXRD-41MDDAM3	86 [39.0]	57 [25.9]	Yes
Non-DDC Economizer with Single Enthalpy (Downflow) <i>Ruskin Rooftop Systems Economizer with Siemens Controller</i>	RXRD-51MDDAM3	86 [39.0]	57 [25.9]	Yes
Non-DDC Economizer with Single Enthalpy (Horizontal) <i>MicroMetl Economizer with Siemens Controls</i>	RXRD-11MDHAM3	84 [38.1]	55 [24.9]	No
Non-DDC Economizer with Single Enthalpy (Horizontal) <i>Ruskin Rooftop Systems Economizer with RRS Basic Controller</i>	RXRD-41MDHAM3	84 [38.1]	55 [24.9]	No
Non-DDC Economizer with Single Enthalpy (Horizontal) <i>Ruskin Rooftop Systems Economizer with Siemens Controller</i>	RXRD-51MDHAM3	84 [38.1]	55 [24.9]	No
Economizer Universal DDC Interface Kit	RXRX-DDC01	40 [18.1]	34 [15.4]	Yes

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Comfort Alert ¹ (3 Phase) DDC	RXRX-AZ01	3 [1.5]	2 [0.9]	Yes
Comfort Alert ¹ (3 Phase) Non-DDC	RXRX-AZ02	3 [1.5]	2 [0.9]	Yes
Communication Card, BACnet	RXRX-AY01	1 [0.5]	1 [0.5]	No
Communication Card, LonWorks	RXRX-AY02	1 [0.5]	1 [0.5]	No
Concentric Adapter 7.5/8.5 Ton Drop	RXMC-DD01	40 [18.1]	34 [15.4]	No
Concentric Adapter 10 Ton Drop	RXMC-DD02	75 [34.0]	65 [29.5]	No
Concentric Adapter 12.5 Ton Drop	RXMC-DD03	75 [34.0]	65 [29.5]	No
Concentric Diffuser 7.5/8.5 Ton Drop	RXRN-AED2000	35 [15.9]	30 [13.6]	No
Concentric Diffuser 10.0 Ton Drop	RXRN-AED3415	170 [77.1]	160 [72.6]	No
Concentric Diffuser 12.5 Ton Drop	RXRN-AED3618	190 [86.2]	180 [81.6]	No
Concentric Diffuser 7.5/8.5 Ton Flush	RXRN-AEF2000	30 [13.6]	25 [11.3]	No
Concentric Diffuser 10.0 Ton Flush	RXRN-AEF3415	140 [113.4]	130 [59.0]	No
Concentric Diffuser 12.5 Ton Flush	RXRN-AEF3618	180 [81.6]	170 [77.1]	No
Convenience Outlet, Unwired	RXRX-BN01	2 [1.0]	1.5 [0.7]	Yes
Dual Enthalpy Kit (for Honeywell JADE™)	RXRX-BV01	1 [0.5]	1 [0.5]	No
Dual Enthalpy Kit DDC (for Honeywell DDC)	RXRX-BV02	1 [0.5]	1 [0.5]	No
Dual Enthalpy, Temperature and Humidity Sensor (for Ruskin Basic Controller)	PD955977	1 [0.5]	1 [0.5]	No
Dual Enthalpy, Temperature and Humidity Sensor (for Siemens)	PD555460	1 [0.5]	1 [0.5]	No

¹One (1) Comfort Alert required per compressor

²Refer to conversion kit index provided with the unit for LP conversion kit.

³Compatible with roofcurbs RXKG-CAE14 or RXKG-CAE24.

[] Designates Metric Conversions

FIELD-INSTALLED ACCESSORY EQUIPMENT (CONTINUED)

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Flue Diverter	RXXR-DFG04	5 [2.3]	4 [1.8]	No
Freeze Stat Kit	RXXR-AM01	2 [1.0]	1.5 [0.7]	Yes
Fresh Air Damper, Manual	RXRF-ADA1	15 [6.8]	12 [5.4]	No
Fresh Air Damper, Motorized	RXRF-ADB1	38 [17.2]	31 [14.06]	No
Fresh Air Damper, Motorized (DDC)	RXRF-ADC1	38 [17.2]	31 [14.06]	No
Low-Ambient Control Kit	RXRZ-A04	4 [1.8]	3 [1.4]	Yes
LP Kit ²	RXGJ-FP39	2 [1.0]	1 [0.5]	No
MERV 8 Filter 7.5 & 8.5 Ton	RXMF-M08A22020	2.0 [0.9]	1 [0.45]	No
MERV 8 Filter 10 & 12.5 Ton	RXMF-M08A22520	2.0 [0.9]	1 [0.45]	No
MERV 13 Filter 7.5 & 8.5 Ton	RXMF-M13A22020	2.0 [0.9]	1 [0.45]	No
MERV 13 Filter 10 & 12.5 Ton	RXMF-M13A22520	2.0 [0.9]	1 [0.45]	No
Outdoor Coil Louver Kit - 7.5 & 8.5 Ton	RXXR-ADD04A	52 [23.6]	47 [21.3]	Yes
Outdoor Coil Louver Kit - 10 & 12.5 Ton	RXXR-ADD04B	43 [19.5]	39 [17.7]	Yes
Power Exhaust (230V) Kit, Convertible MicroMetl	RXXR-CDF01C	104 [47.2]	94 [42.6]	No
Power Exhaust (460V) Kit, Convertible MicroMetl	RXXR-CDF01D	104 [47.2]	94 [42.6]	No
Power Exhaust (230V) Kit for Downflow Economizer (RRS)	RXXR-RDF01C	104 [47.2]	94 [42.6]	No
Power Exhaust (460V) Kit for Downflow Economizer (RRS)	RXXR-RDF01D	104 [47.2]	94 [42.6]	No
Power Exhaust (575V) Kit for Downflow Economizer (RRS)	RXXR-RDF01Y	104 [47.2]	94 [42.6]	No
Power Exhaust (230V) Kit for Horizontal Economizer (RRS)	RXXR-RDF03C	104 [47.2]	94 [42.6]	No
Power Exhaust (460V) Kit for Horizontal Economizer (RRS)	RXXR-RDF03D	104 [47.2]	94 [42.6]	No
Power Exhaust (575V) Kit for Horizontal Economizer (RRS)	RXXR-RDF03Y	104 [47.2]	94 [42.6]	No
Roofcurb Adapter ³	RXXR-DDCAE	235 [106.6]	215 [97.5]	No
Roofcurb, 14"	RXKG-DDD14	109 [49.4]	104 [47.2]	No
Roofcurb, 14" Welded	RXKG-SD14	109 [49.4]	105 [47.6]	No
Roofcurb, 24"	RXKG-DDD24	145 [65.8]	140 [63.5]	No
Roofcurb, 24" Welded	RXKG-SD24	145 [65.8]	142 [64.4]	No
Sensor, Carbon Dioxide (Wall Mount)	RXXR-AR02	3 [1.4]	2 [1.0]	No
Sensor, Room Humidity	RHC-ZNS4	1 [0.5]	1 [0.5]	No
Sensor, Room Temperature and Relative Humidity	RHC-ZNS5	1 [0.5]	1 [0.5]	No
Smoke Detector Kit, Return	RXXR-BS03	5 [2.7]	3.5 [1.6]	No
Smoke Detector Kit, Return/Supply	RXXR-BS04	7 [3.2]	5 [2.7]	No
Unfused Service Disconnect	RXXR-BP01	10 [4.5]	9 [4.1]	Yes

¹One (1) Comfort Alert required per compressor

²Refer to conversion kit index provided with the unit for LP conversion kit.

³Compatible with roofcurbs RXKG-CAE14 or RXKG-CAE24.

The installer is responsible for verifying all accessory dimensions and weights before unit installation.

[] Designates Metric Conversions

COMMUNICATION CARDS



BACnet COMMUNICATION CARD RXRX-AY01

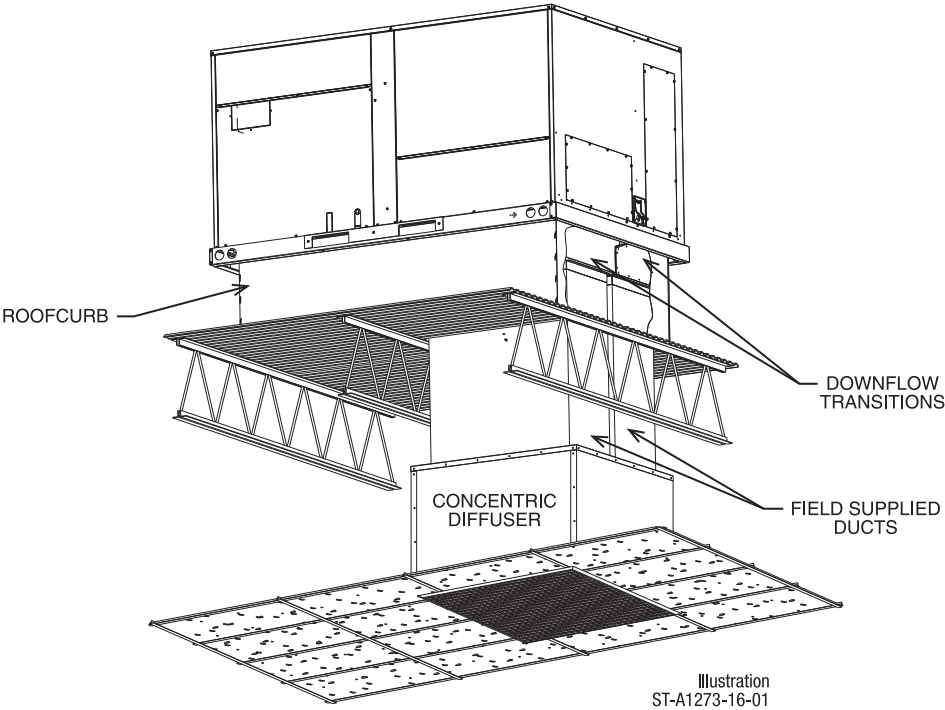
The field installed BACnet Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the BACnet Application Specific Controller device profile. The BACnet Communication Module plugs onto the unit RTU-C controller and allows communication between the RTU-C and the BACnet MSTP network.



LonWorks COMMUNICATION CARD RXRX-AY02

The field installed LonWorks Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile. The LonMark Communication Module plugs onto the RTU-C controller and allows communication between the RTU-C and a LonWorks Network.

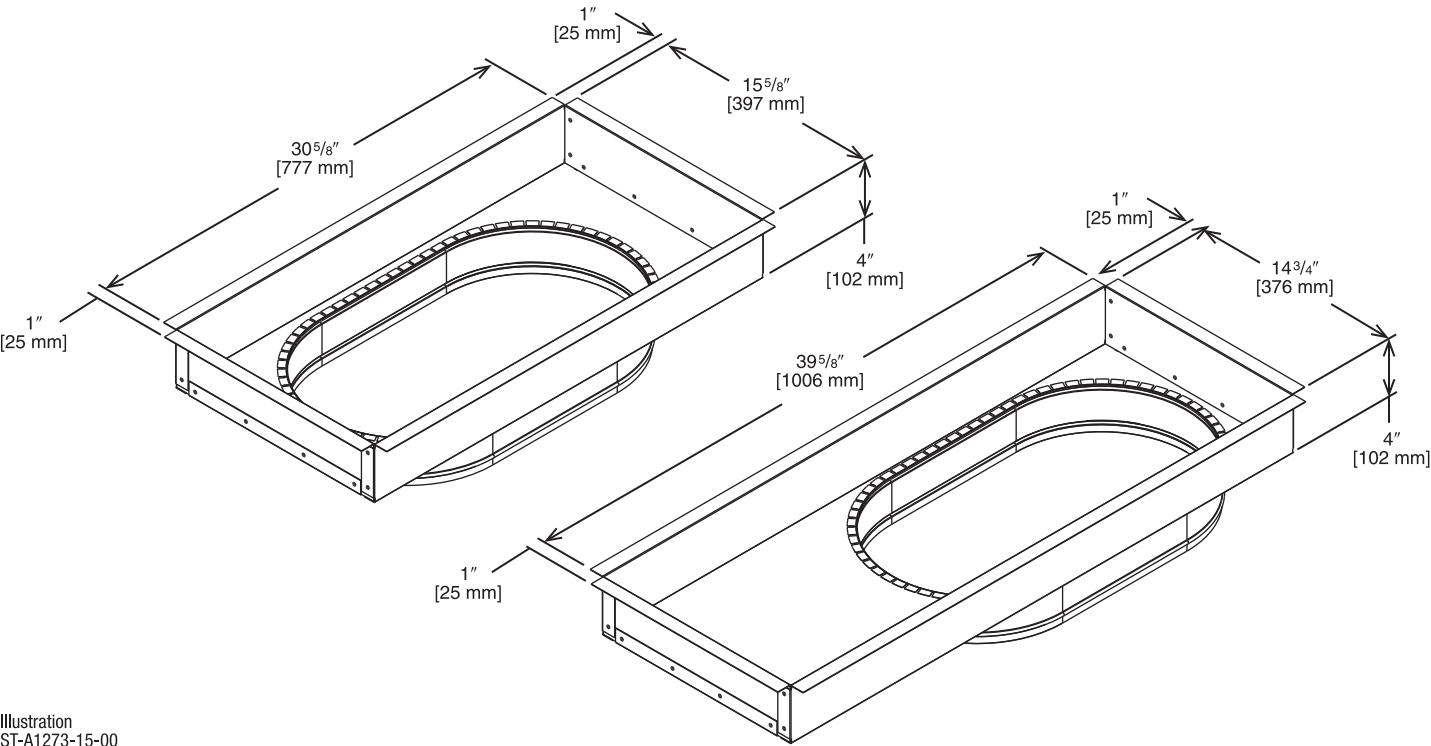
CONCENTRIC DIFFUSER APPLICATION



DOWNFLOW TRANSITION DRAWINGS

RXMC-DD01 — Concentric Adapter 7.5 / 8.5 Ton Drop

- Used with AEF2000 or AED2000 Concentric Diffusers



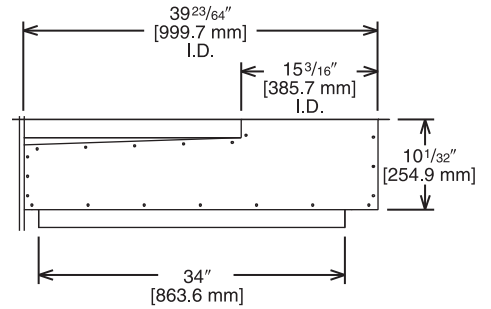
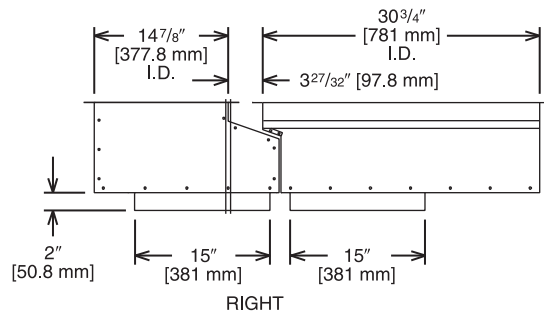
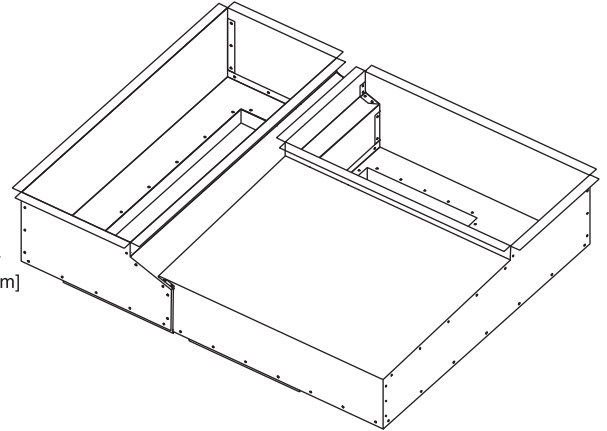
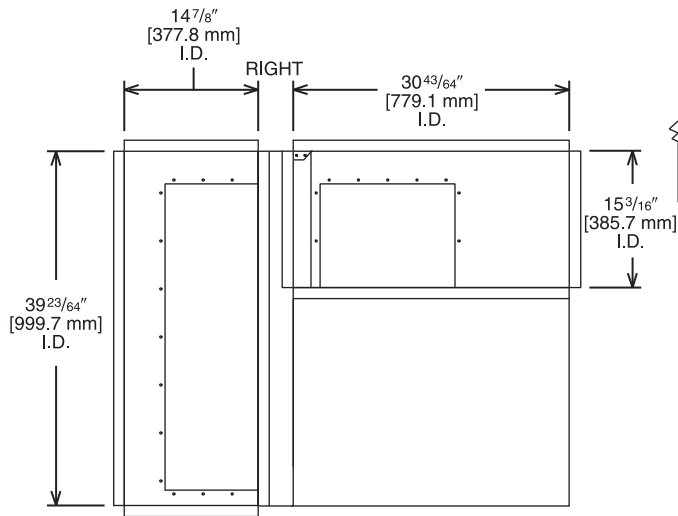
[] Designates Metric Conversions

DOWNFLOW TRANSITION DRAWINGS

RXMC-DD02—Concentric Adapter 10 Ton Drop

- Used with AEF3415 or AED3415 Concentric Diffusers

Illustration
ADS-106193-02



[] Designates Metric Conversions