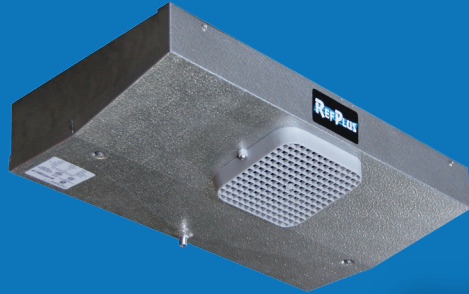
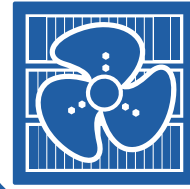


REF PLUS



FOR COOLERS ABOVE +34°F
• Top mounted single flow units from
1,000 to 5,500 BTU/HR./10°F TD

ESA

FOR COOLERS AND FREEZER FROM -20°C TO 34°F
• Top mounted single flow units from
1,000 to 5,500 BTU/HR./10°F TD

ESE



FOR COOLERS ABOVE +34°F
• Top mounted dual flow units from
1,000 to 3,300 BTU/HR./10°F TD

EDA



FOR COOLERS ABOVE +34°F
• Top or wall mounted compact units from
1,000 to 1,500 BTU/HR./10°F TD

ECA



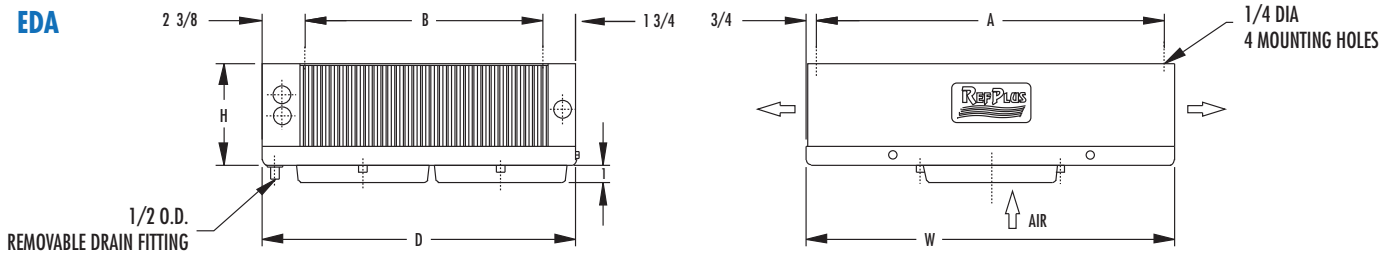
FOR COOLERS ABOVE +34°F
• Wall or mullion mounted units from
1,300 to 2,300 BTU/HR./10°F TD

EWA

REACH-IN UNIT COOLERS

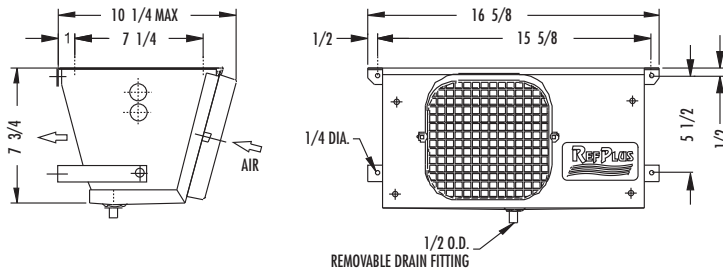
EDA / ECA / EWA

EDA



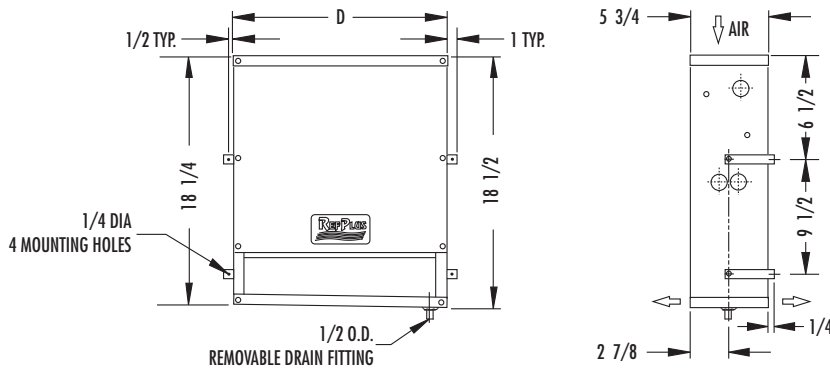
EDA - AIR DEFROST													FOR COOLERS ABOVE +34°F			
MODEL	CFM	CAPACITY (BTU/HR.)				FAN MOTORS 120V		UNIT DIMENSIONS (INCHES)					CONNECTIONS		R-134A OPERATING CHARGE (LB.)	SHIPPING WEIGHT (LB.)
		8°F TD	10°F TD	12°F TD	15°F TD	QTY	FLA	W	H	D	A	B	LIQ. F.N.	SUCT. O.D.		
EDA102-1	195	800	1,000	1,200	1,500	1	0.7	18 1/8	3 1/2	14 1/8	17	10	1/2	3/8	0.3	11.5
EDA132-1	185	1,040	1,300	1,560	1,950	1	0.7	18 1/8	3 1/2	14 1/8	17	10	1/2	3/8	0.4	12.5
EDA152-1	245	1,200	1,500	1,800	2,250	1	0.7	18 1/8	4 1/2	14 1/8	17	10	1/2	3/8	0.4	13.0
EDA182-1	225	1,440	1,800	2,160	2,700	1	0.7	18 1/8	4 1/2	14 1/8	17	10	1/2	3/8	0.6	14.0
EDA232-1	505	1,840	2,300	2,760	3,450	2	1.4	20 1/8	5 1/2	17 1/8	19	13	1/2	3/8	0.5	17.0
EDA282-1	450	2,240	2,800	3,360	4,200	2	1.4	20 1/8	5 1/2	17 1/8	19	13	1/2	3/8	0.7	18.5
EDA332-1	430	2,640	3,300	3,960	4,950	2	1.4	20 1/8	5 1/2	17 1/8	19	13	1/2	3/8	0.9	20.0

ECA



ECA - AIR DEFROST											FOR COOLERS ABOVE +34°F	
MODEL	CFM	CAPACITY (BTU/HR.)				FAN MOTORS 120V		CONNECTIONS		R-134A OPERATING CHARGE (LB.)	SHIPPING WEIGHT (LB.)	
		8°F TD	10°F TD	12°F TD	15°F TD	QTY	FLA	LIQ. F.N.	SUCT. O.D.			
ECA101-1	220	800	1,000	1,200	1,500	1	0.7	1/2	3/8	0.3	10.5	
ECA131-1	200	1,040	1,300	1,560	1,950	1	0.7	1/2	3/8	0.4	11.5	
ECA151-1	190	1,200	1,500	1,800	2,250	1	0.7	1/2	3/8	0.6	12.5	

EWA

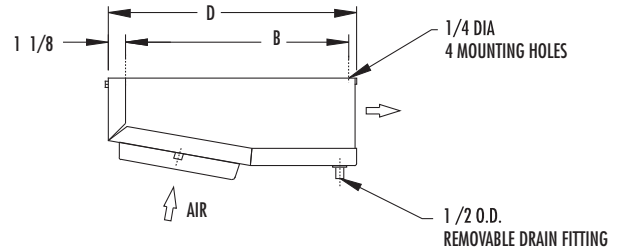
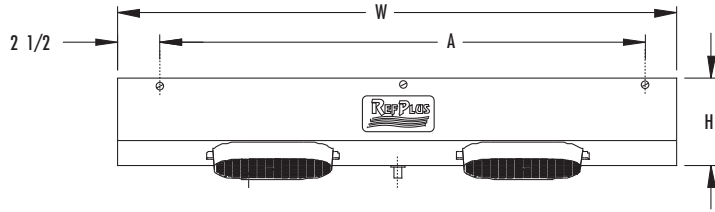


EWA - AIR DEFROST											FOR COOLERS ABOVE +34°F	
MODEL	CFM	CAPACITY (BTU/HR.)				FAN MOTORS 120V		UNIT DIMENSIONS (INCHES)	CONNECTIONS		R-134A OPERATING CHARGE (LB.)	SHIPPING WEIGHT (LB.)
		8°F TD	10°F TD	12°F TD	15°F TD	QTY	FLA	D	LIQ. F.N.	SUCT. O.D.		
EWA130-1	220	1,040	1,300	1,560	1,950	1	0.7	15 3/4	1/2	3/8	0.4	13.0
EWA180-1	200	1,440	1,800	2,160	2,700	1	0.7	15 3/4	1/2	3/8	0.6	14.0
EWA230-1	380	1,840	2,300	2,760	3,450	2	1.4	21 3/4	1/2	3/8	0.9	17.0

- Operating charge based on 30% liquid, 70% vapor at 25°F suction
- Use R-134 chart for R-22

- Use suffix 1 for 120/1/60, suffix 2 for 240/1/60
- Use suffix 2 and multiply capacity by 0.92 for 200-220/1/50

ESA / ESE

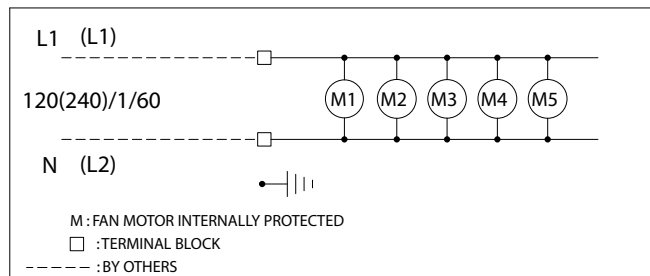


ESA - AIR DEFROST																	FOR COOLERS ABOVE +34°F	
MODEL	CFM	CAPACITY (BTU/HR.)				FAN MOTORS 120V		UNIT DIMENSIONS (INCHES)					CONNECTIONS		R-134A OPERATING CHARGE (LB.)	SHIPPING WEIGHT (LB.)		
		8°F TD	10°F TD	12°F TD	15°F TD	QTY	FLA	W	H	D	A	B	LIQ. F.N.	SUCT. O.D.				
ESA102-1	195	800	1,000	1,200	1,500	1	0.7	17 1/4	4 1/2	15	13	13 1/4	1/2	3/8	0.4	9.0		
ESA132-1	185	1,040	1,300	1,560	1,950	1	0.7	17 1/4	4 1/2	15	13	13 1/4	1/2	3/8	0.5	10.0		
ESA152-1	195	1,200	1,500	1,800	2,250	1	0.7	21 3/4	4 1/2	15	17 1/2	13 1/4	1/2	3/8	0.6	11.5		
ESA182-1	225	1,440	1,800	2,160	2,700	1	0.7	25 3/4	4 1/2	15	21 1/2	13 1/4	1/2	3/8	0.7	13.0		
ESA232-1	395	1,840	2,300	2,760	3,450	2	1.4	33 3/4	4 1/2	15	29 1/2	13 1/4	1/2	3/8	0.8	17.0		
ESA282-1	385	2,240	2,800	3,360	4,200	2	1.4	33 3/4	4 1/2	15	29 1/2	13 1/4	1/2	3/8	0.9	18.5		
ESA332-1	420	2,640	3,300	3,960	4,950	2	1.4	33 3/4	5 1/2	15	29 1/2	13 1/4	1/2	3/8	1.2	20.0		
ESA452-1	625	3,600	4,500	5,400	6,750	3	2.1	43 3/4	5 1/2	17	39 1/2	15 1/4	1/2	1/2	1.5	27.5		
ESA552-1	615	4,400	5,500	6,600	8,250	3	2.1	43 3/4	5 1/2	17	39 1/2	15 1/4	1/2	1/2	1.8	32.5		

ESE - ELECTRIC DEFROST																	FOR COOLERS AND FREEZERS FROM -20°F TO +34°F			
MODEL	CFM	CAPACITY (BTU/HR.)			FAN MOTORS		HEATERS				UNIT DIMENSIONS (INCHES)					CONNECTIONS		R-134A OPERATING CHARGE (LB.)	SHIPPING WEIGHT (LB.)	
		-20°F	0°F	+20°F	QTY	120V		240V		FLA		W	H	D	A	B	LIQ. F.N.			SUCT. O.D.
		FLA	FLA	KW		120V	240V	120V	240V											
ESE102-1	195	850	925	1,000	1	0.7	NA	0.64	5.3	NA	17 1/4	4 1/2	15	13	13 1/4	1/2	3/8	0.6	9.0	
ESE132-1	185	1,105	1,203	1,300	1	0.7	NA	0.64	5.3	NA	17 1/4	4 1/2	15	13	13 1/4	1/2	3/8	1.0	10.0	
ESE152-1	195	1,275	1,388	1,500	1	0.7	NA	0.80	6.7	NA	21 3/4	4 1/2	15	17 1/2	13 1/4	1/2	3/8	1.3	11.5	
ESE182-(1)(2)	225	1,530	1,665	1,800	1	0.7	0.42	0.96	8.0	4.0	25 3/4	4 1/2	15	21 1/2	13 1/4	1/2	3/8	1.0	13.0	
ESE232-(1)(2)	395	1,955	2,128	2,300	2	1.4	0.84	1.28	10.7	5.3	33 3/4	4 1/2	15	29 1/2	13 1/4	1/2	3/8	1.5	17.0	
ESE282-(1)(2)	385	2,380	2,590	2,800	2	1.4	0.84	1.28	10.7	5.3	33 3/4	4 1/2	15	29 1/2	13 1/4	1/2	3/8	2.0	18.5	
ESE332-(1)(2)	420	2,805	3,053	3,300	2	1.4	0.84	1.28	10.7	5.3	33 3/4	5 1/2	15	29 1/2	13 1/4	1/2	3/8	2.5	20.0	
ESE452-(1)(2)	625	3,825	4,163	4,500	3	2.1	1.26	1.60	13.3	6.7	43 3/4	5 1/2	17	39 1/2	15 1/4	1/2	3/8	2.9	27.5	
ESE552-(1)(2)	615	4,675	5,088	5,500	3	2.1	1.26	1.60	13.3	6.7	43 3/4	5 1/2	17	39 1/2	15 1/4	1/2	3/8	3.6	32.5	

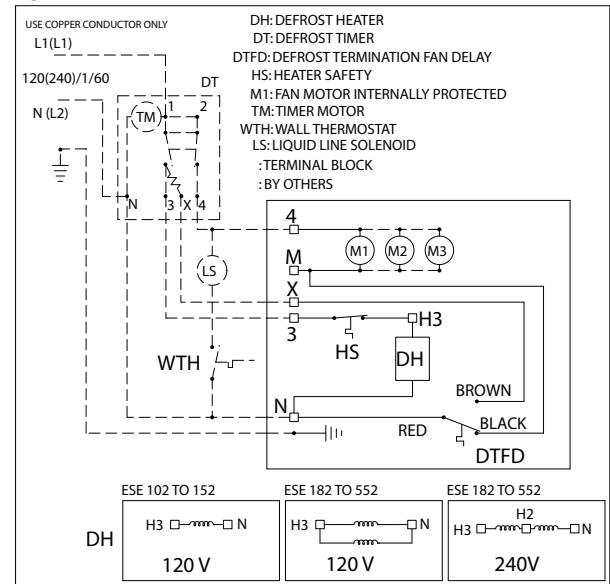
WIRING DIAGRAMS - AIR AND ELECTRIC DEFROST

ESA



USE COPPER CONDUCTOR ONLY

ESE



REACH-IN UNIT COOLERS

APPLICATIONS

ESA, EDA, ECA, and EWA Models for coolers +34°F and above.
ESE Models for coolers and freezers ranging from -20 to +34°F and above.

SPECIFICATIONS

ESA, ESE, and ECA Models are of a single coil construction for an air distribution directed towards the back of the cooler or the freezer. Fans draw air through the fan guards and discharge it through the evaporator coil on the back of the unit.

EDA Models are of a dual coil construction for an equal air distribution on both sides of the unit. The fans draw air upward through the fan guards and discharge it through each evaporator coil.

EWA Models are of a single coil construction for either up or down airflow and can be wall or mullion mounted. Standard configuration is down flow and can be field modified to up flow.

ECA Models can be top or wall mounted, whereas ESA, EDA, and ESE Models are top mounted.

Coils are manufactured with seamless deoxidized heavy wall smooth copper tubes and aluminum plate fins. For a maximum heat transfer, tubes are mechanically expanded into self-spaced plate fins with full collar for a permanent bond. Connections and bends are brazed with high temperature brazing alloy. Coils are factory leak tested at 400 psig and purged with a -40°F dew point dry air. Coils are circuited for HCFC and HFC refrigerants.

The Reach-In Unit Cooler casings are heavy-gauge textured aluminum with stainless steel or plated hardware for a light weight and corrosion-free assembly.

All units are provided with a removable 1/2" O.D. aluminum drain fitting for easier installation and cleaning.

Heavy-duty fan motors are provided for long life and dependable service. They are permanently lubricated, thermally protected, and available for 120/1/60 or 208-240/1/60. Note: 208/240/1/60 volt motors can be used for 200-220/1/50.

For full protection of moving parts, fan blades and fan guards are injection-moulded polymer for corrosion protection and for consistency of dimensions.

All models are provided with a terminal block for easier field wiring. Terminals are clearly identified to match the wiring diagram supplied with the unit.

ESE Models are provided with a sealed non-adjustable fan delay/defrost termination thermostat and a heater safety thermostat. All units use incoloy, low-watt density, tubular heaters for a positive defrost.

All Reach-In Unit Coolers are of a modular design using a minimum number of parts to simplify replacement and to reduce inventory.



Certified ISO-9001