



ESS16 Unit Shown



EDS24C Unit Shown

ESS & EDS Overhead Models

ESS and EDS are ductable cooling/heating units designed for overhead installation beneath a flybridge or other enclosed location. The unit is completely encased in an aluminum cabinet, which serves as a return-air plenum and mounting frame. Return air is pulled directly from the compartment below, through the evaporator coil, and discharged upward into ducts to the discharge grills.

ESS models have a single cooling/heating module, containing the evaporator coil, variable-speed blower and refrigerant connections. This module can be detached and removed for service.

EDS models have two separate cooling/heating modules on either side of a common return-air plenum. As with the ESS units, the modules are detachable from the aluminum frame.

Each blower module has an integral condensate drain pan, which is filled with anti-slosh, antifungal foam.

A hose adaptor will be needed to connect blower outlet to flexible duct.

EDS models include a built-in refrigerant line splitter. A full-length drain pan is available as an option on the EDS units.

ESS units are available in 12,000 and 16,000 Btu/hr models for operation on 115 or 230 VAC power. EDS units are available in 24,000 and 30,000 Btu/hr models and require 230 VAC power. They may be used with any Cruisair reverse-cycle condensing unit.

All ESS and EDS models can be used with either rotary-knob switches or with Cruisair's SMX family of computerized controls.

Features

- Ductable, overhead cooling/heating unit
- Detachable cooling/heating modules for easy service
- Aluminum cabinet includes return-air plenum and mounting frame
- Variable speed blower with fixed vertical discharge
- Integral condensate drain pan with anti-slosh, antifungal foam

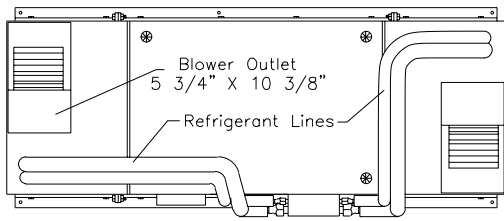
ESS Models

- Single blower
- 12,000 and 16,000 Btu/hr
- 115 and 230 VAC, 50/60 Hz

EDS Models

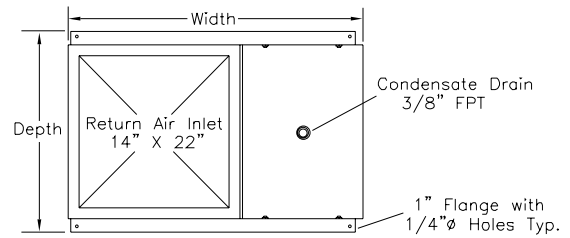
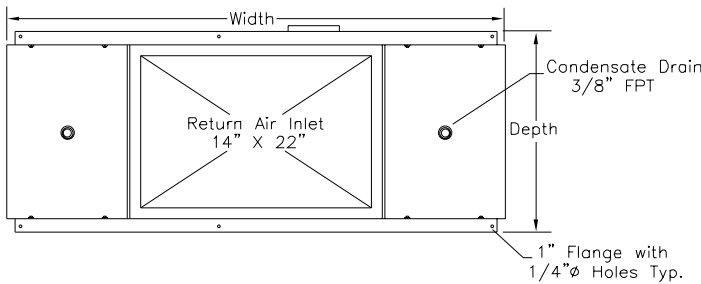
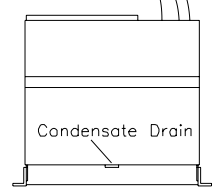
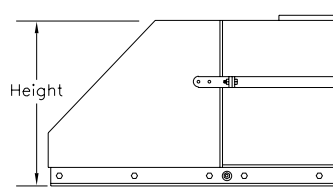
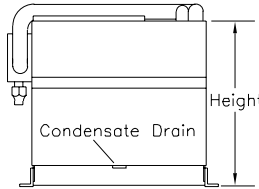
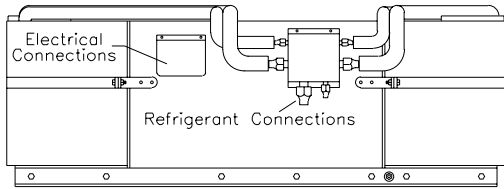
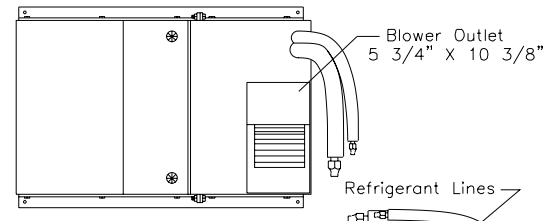
- Dual blowers
- 24,000 and 30,000 Btu/hr
- 230 VAC, 50/60 Hz

EDS UNITS



Ref. Line Sizes		
Model	Dischrg	Suction
ESS12	1/4"	3/8"
ESS16S	1/4"	1/2"
EDS24C	3/8"	1/2"
EDS30C	3/8"	3/4"

ESS UNITS

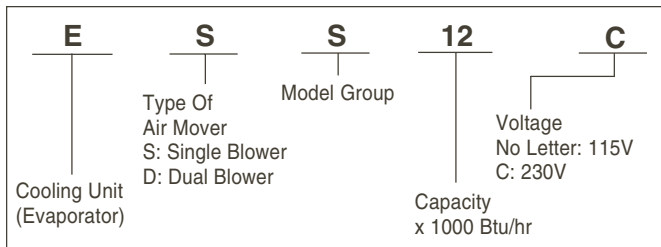


TECHNICAL SPECIFICATIONS

Model	Capacity (Btu/hr)	Voltage	Amps	Height* (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lb/kg)	Air Flow cfm/cmh
ESS12	12,000	115	2.4	16/405	27.5/700	18.5/470	45/20.5	400/670
ESS12C	12,000	230	1.2	16/405	27.5/700	18.5/470	45/20.5	400/670
ESS16	16,000	115	3.0	16/405	27.5/700	18.5/470	45/20.5	530/890
ESS16C	16,000	230	1.5	16/405	27.5/700	18.5/470	45/20.5	530/890
EDS24C	24,000	230	2.4	16/405	47.0/1195	18.5/470	88/40.0	800/1340
EDS30C	30,000	230	3.0	16/405	47.0/1195	18.5/470	88/40.0	1060/1780

*Does not include discharge air ducts or refrigerant connections.

INTERPRETING MODEL NUMBERS



RECOMMENDED GRILL & DUCT SIZES

Unit Capacity Btu/hr	Return Air Grill Size (sq in/cm)	Minimum Discharge Grill Area (sq in/cm)	Recommended Duct Size (in/mm)
12,000	12 x 12	70/455	6/150
16,000	12 x 12	80/520	7/175
24,000	14 x 22	(2x) 70/455	(2x) 6/150
30,000	14 x 22	(2x) 80/520	(2x) 7/175

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