

INDOOR UNITS

EconoFresh Economizer



The EconoFresh unit includes the Economizer Kit and a ducted Medium Static unit in a choice of three capacities: 30,000, 36,000 or 48,000 Btu/hr.



The exclusive EconoFresh unit is a combination of a ducted Medium Static unit paired with an Economizer Kit to provide up to 100% outside air/free cooling when conditions are favorable. Seamlessly integrating with VRF systems, the unit contributes to energy savings and improves air quality.

Key Features

- Excellent for applications with cooling demand during mid seasons and winter
- Inputs for optional CO₂ and enthalpy sensors are available for control based on indoor air quality or temperature/humidity
- Remote control setting of the outside air damper opening to ensure minimum outside airflow requirements are met
- Auxiliary/emergency heater control
- Setback temperature control
- Cooling and heating auto-changeover dual-setpoint control
- Sensor enables remote reading of air supply temperature

Tonnage			2.5		3.0		4.0	
EconoFresh (Economizer Kit + a ducted Medium Static Indoor unit) - Model #			HIDM030B21E		HIDM036B21E		HIDM048B21E	
Power Supply			AC 1 Phase, 208/230V, 60Hz					
Nominal Cooling Capacity *		Btu/h	30,000		36,000		48,000	
		(kW)	(8.8)		(10.5)		(14.1)	
Nominal Heating Capacity *		Btu/h	34,000		40,000		54,000	
		(kW)	(10.0)		(11.7)		(15.8)	
Sound Pressure Level (Overall A Scale) (Hi-Me-Lo)		dB	38-35-32		39-35-33		40-36-33	
Outer Dimensions	Height	in. (mm)	10-7/8	(275)	10-7/8	(275)	10-7/8	(275)
	Width	in. (mm)	58-1/16	(1474)	58-1/16	(1474)	58-1/16	(1474)
	Depth	in. (mm)	23-5/8	(600)	23-5/8	(600)	23-5/8	(600)
Net Weight		lbs.(kg)	106	(48)	106	(48)	106	(48)
Refrigerant			R410A					
Indoor Fan	Airflow Rate ² (Hi-Me-Lo)	cfm	1059-953-847		1236-1094-988		1271-1130-1024	
		(m ³ /min)	(30-27-24)		(35-31-28)		(36-32-29)	
External Pressure ² (High-Med-Low)	in. W.G.	0.17-0.12-0.10		0.16-0.11-0.10		0.12-0.10-0.08		
	(Pa)	(43-30-25)		(40-28-25)		(30-25-20)		
Motor Nominal Output		W	250		250		250	
Connections								
Refrigerant Piping			Flare-Nut Connection (with Flare Nuts)					
	Liquid Line	in. (mm)	3/8	(9.52)	3/8	(9.52)		(9.52)
	Gas Line	in. (mm)	5/8	(15.88)	5/8	(15.88)	5/8	(15.88)
Condensate Drain	OU	in. (mm)	1-1/4	(32)	1-1/4	(32)	1-1/4	(32)
Adaptable EconoFresh Kit Model			EF-456NE					
	Height	in. (mm)	10 (254)					
	Width	in. (mm)	55-1/2 (1410)					
	Depth	in. (mm)	12-3/16 (270)					
	Net Weight	lbs. (kg)	28 (12.5)					

EcoFresh	
Compatible Accessories	HIDM030-048B21E
Infrared (IR) Receiver Kit	CWDIRK01
Air Filter	KW-PP456E
3-Pin Connector Cable	PCC-1A
Connector Cable for Auxiliary Heater	PCC-CN8-H
Relay and 3-Pin Connector Kit	PSC-5RA
Remote Sensor (Control)	THM-R2A

NOTES:

1. Nominal capacity condition is based on AHRI standard. See www.ahrinet.org for more information.
2. Data values when a filter is not used.