



Category
Family
Heat Rejection
Product

Schneider Electric

Room Cooling

EcoBreeze Air Economizers

Air-Side Economizer

SKU	EcoBreeze Module		EcoBreeze 20' Frame		EcoBreeze 40' Frame	
	ACEC200	ACEC201	ACECFR20200	ACECFR20201	ACECFR40200	ACECFR40201
Input Voltage	480V	600V	480V	600V	480V	600V
Phases	3	3	3	3	3	3
Frequency	60	60	60	60	60	60
Total NET Capacity - kW (BTU/hr) *	50 (170607)	50 (170607)				
Sensible NET Capacity - kW (BTU/hr) *	50 (170607)	50 (170607)				
Unit Dimensions (H x W x D) ft.	8.6 x 9.3 x 3.3	8.6 x 9.3 x 3.3	9.6 x 8 x 19.88	9.6 x 8 x 19.88	9.6 x 8 x 40	9.6 x 8 x 40
Net Weight - lbs. (kg)	2650 (1202)	2650 (1202)	5700 (2585)	5700 (2585)	9000 (4082)	9000 (4082)
Operating Weight - lbs. (kg) **	2650 (1202)	2650 (1202)	20680 (9380)	20680 (9380)	38055 (117261)	38055 (117261)
Maximum Module Count	N/A	N/A	4	4	8	8
Power Connection Type	Plug	Plug	Hardwired	Hardwired	Hardwired	Hardwired
Max Power Consumption kW ***	20.1	20.1	82.5	82.0	163.0	162.0
MCA ****	40.0	30.0	148.0	110.0	284.0	211.0
MOP ****	60.0	45.0	150.0	125.0	300.0	225.0

Features/Options:						
Supply Air Fan Type	Backward Curved EC	Backward Curved EC				
Supply Air Maximum Airflow - CFM (l/s)	5000 (2360)	5000 (2360)				
Supply Air Fan ESP (in. WC)*****	1	1				
Supply Air Fan Control	Variable Speed	Variable Speed				
Supply Air Fan Qty.	2	2				
Outside Air Fan Type	Axial EC	Axial EC				
Outside Air Maximum Airflow - CFM (l/s)	7000 (3303)	7000 (3303)				
Outside Air Fan Control	Variable Speed	Variable Speed				
Outside Air Fan Qty.	1	1				
Pump Type			Positive Disp.	Positive Disp.	Positive Disp.	Positive Disp.
Pump Flow Rate GPM (l/s)			45 (2.8)	45 (2.8)	90 (5.7)	90 (5.7)
Refrigerant Type	R-410A	R-410A				
Compressor Type	Scroll	Scroll				
Compressor Capacity Control Type	VFD (30-90Hz)	VFD (30-90Hz)				
Electronic Expansion Valve	Yes	Yes				
Std. Filter Type	2" Pleated	2" Pleated				
Std. Filter Effic.	30%	30%				
Water Connections	1" Quick Connect	1" Quick Connect	(2) 3/4" NPT Female	(2) 3/4" NPT Female	(2) 3/4" NPT Female	(2) 3/4" NPT Female
Return Duct Section Dimensions			46" ID (10' Length)	46" ID (10' Length)	46" ID (10' Length)	46" ID (10' Length)
Return Duct Section Quantity			2	2	4	4
Supply Duct Section Dimensions			75" x 34" x 120"	75" x 34" x 120"	75" x 34" x 120"	75" x 34" x 120"
Supply Duct Section Quantity			2	2	4	4

*Capacity Rated at the following Conditions:

Data Center Supply Air: 75°F
Delta-T Through Servers: 36°F
10% leakage of hot air containment
0' Elevation

**Frame Estimated (Fully Populated with Ducting and Water)

***Fully Populated Frame:

20' Frame w/ 4 modules
40' Frame w/ 8 modules

**** MCA = Minimum Circuit Ampacity MOP = Maximum Overcurrent Protection

*****External Static Pressure as measured at the module