



Technical Specification

Model **AA-FLR** Revision: 1-2017
 Description Vertical unit ventilator w/ fixed-plate energy recovery

Dimensions and Weight						
Length (in)	82					
Height (in)	30					
Depth (in)	24					
Unit Weight (lb)	400					
Construction Materials						
Exterior	18 ga. 430 stainless steel with brush finish					
Interior	20 ga. 430 stainless steel, 14-22 ga. galvanized steel					
Fans		Direct Drive Backward-Curved Impeller				
Quantity	4					
Nominal Current per Fan(A)	1.4					
Locked Current per Fan (A)	2.3					
Rated Power per Fan (hp)	0.22					
Max. Static Pressure per Fan (in Wg)	2.6					
Nominal Supply Airflow (cfm)	1,250					
Supply Discharge	Vertical upflow					
Core		ERV	HRV			
Nominal Outdoor Air (cfm)			450			
Nominal Exhaust Air (cfm)			450			
Total Energy Recovered Heating ⁽¹⁾ (Btu/hr)	28,400		21,900			
Total Energy Recovered Cooling ⁽²⁾ (Btu/hr)	11,700		6,100			
Coils		AA-FLRH	AA-FLRC	AA-FLRD	AA-FLRHC	AA-FLRHCA
Quantity	1		1	1	1	2
Rows	1		4	3	4	5
Fluid Type	Water		Water	R410a	Water	Water/R410a
Nominal Heating Capacity (Btu/hr)	up to 70,000 (Sensible)					
Nominal Cooling Capacity (Btu/hr)	up to 50,000 (Total) - 35,000 (Sensible)					
Coil Connections (Copper)						
HW Supply (in)	0.88					
HW Return (in)	0.88					
CW Supply (in)	1.13					
CW Return (in)	1.13					
DX Supply (in)	0.5					
DX Return (in)	0.88					
HW/CW Combined Supply (in)	1.0					
HW/CW Combined Return (in)	1.0					
Filters						
Location	Outdoor Air		Return Air			
Type	1" pleated MERV 10					
Quantity	1		2			
Dimensions (in)	20 x 10		16 x 24			
Electrical						
Voltage / Phase / Frequency	120VAC/1/60Hz					
Running Load Amp RLA (A)	6.1					
Min Circuit Ampacity MCA (A)	7.7					
Max Overcurrent Protection MOP (A)	15					

NOTES:

- (1) Total energy recovered heating based on 450 cfm OA 2°/0°F, 450 cfm EA 70°/55°F
- (2) Total energy recovered cooling based on 450 cfm OA 95°/78°F, 450 cfm EA 75°/63°F