



Condensing units for air handling applications (pair)

ERQ-AV1/AW1

- › Connect ERQ to an air handling unit to provide optimized air conditions such as fresh air and humidity control, both in heating and cooling, for small warehouses, showrooms and offices
- › Inverter controlled units
- › Capacity range from 100 to 250 class
- › Heat pump
- › R-410A

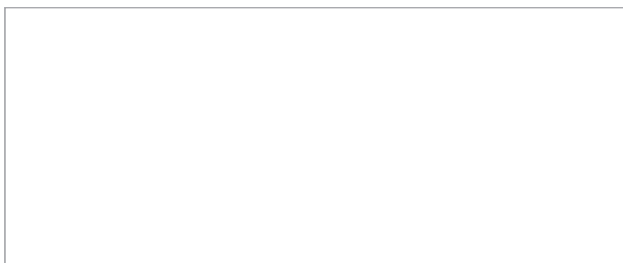
ERQ-AV1/AW1



Ventilation				ERQ-AV1/ERQ-AW1	100AV1	125AV1	140AV1	125AW1	200AW1	250AW1
Capacity range			HP	4	5	6	5	8	10	
Cooling capacity	Nom.		kW	11.2	14.0	15.5	14.0	22.4	28.0	
Heating capacity	Nom.		kW	12.5	16.0	18.0	16.0	25.0	31.5	
Power input	Cooling	Nom.	kW	2.81	3.51	4.53	3.52	5.22	7.42	
	Heating	Nom.	kW	2.74	3.86	4.57	4.00	5.56	7.70	
EER				3.99		3.42	3.98	4.29	3.77	
COP				4.56	4.15	3.94	4.00	4.50	4.09	
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320			1,680x635x765	1,680x930x765		
Weight	Unit		kg	120			159	187	240	
Casing	Material			Painted galvanized steel plate						
Fan-Air flow rate	Cooling	Nom.	m ³ /min	106			95	171	185	
	Heating	Nom.	m ³ /min	102	105		95	171	185	
Sound power level	Cooling	Nom.	dBA	66	67	69	-	-	-	
	Nom.		dBA	-	-	-	72	78		
Sound pressure level	Cooling	Nom.	dBA	50	51	53	-	-	-	
	Nom.		dBA	-	-	-	54	57	58	
Operation range	Heating	Nom.	dBA	52	53	55	-	-	-	
	Cooling	Min./Max.	°CDB	-5/46			-5/43			
On coil temperature	Heating	Min.	°CWB	-20/15.5			-20/15			
	Cooling	Max.	°CDB	10			35			
Refrigerant	Type/GWP			R-410A/ 2,087.5						
	Charge		kg/ tCO ₂ eq	4.0/ 8.4			6.2/ 12.9	7.7/ 16.1	8.4/ 17.5	
	Control			Expansion valve (electronic type)			Electronic expansion valve			
Piping connections	Liquid	OD	mm	9.52						
	Gas	OD	mm	15.9	19.1		15.9	19.1	22.2	
	Drain	OD	mm	26x3			-			
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240			3N~/50/400			
Current	Maximum fuse amps (MFA)		A	32.0			16	25		

Contains fluorinated greenhouse gases

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