



# AIRCEIL-150 TO AIRCEIL-2000 ENERGY RECOVERY VENTILATOR

AirCeil-150 to AirCeil-2000 energy recovery ventilator is a new ventilation device that integrates air filtration and energy recovery. Composed of heat exchangers, filters, plastic-encapsulated DC fans and intelligent control system, it can effectively improve indoor air quality, increase indoor oxygen content, and at the same time greatly reduces the power load of indoor air-conditioning equipment, with high efficiency and energy saving.



DC Fan



10 Speeds



High ESP



Auto Bypass



5th Generation  
Heat Exchanger



New EPS Inner  
Structure



Optional  
SA/EA Air  
Direction



Occlusal  
Edge Sealing  
Technology



Intelligent  
Control



Wifi and IOT



### ▶ PLASTIC-ENCAPSULATED DC FANS

The AirCeil series ERV is built in plastic encapsulated brushless DC motors, which have higher processing precision and stable operation.

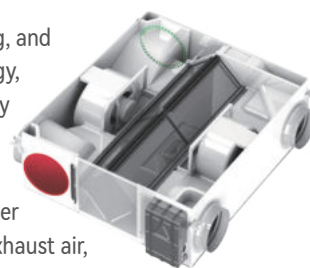
Compared with a traditional DC motor, the energy saving is up to 40%, resulting in lower power consumption, larger air volume, and higher ESP.



### ▶ NEW EPS INNER STRUCTURE

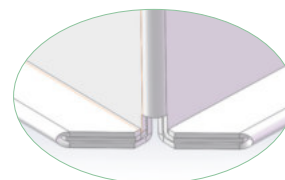
Good thermal insulation, sealing, and Occlusal edge sealing technology, stronger casing strength, greatly reduce the screws, and improve the appearance.

Central fans design make a better distribution of supply air and exhaust air, heat exchange of the core is more efficient.



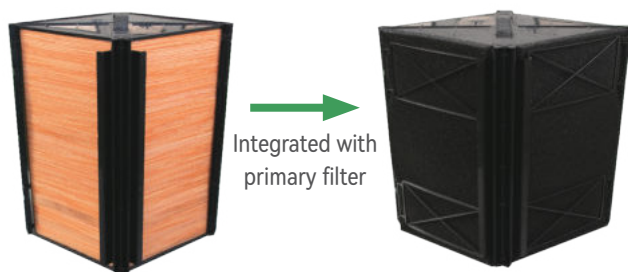
### ▶ NEW PROCESSING TECHNOLOGY

Occlusal edge sealing technology, stronger casing strength, greatly reduce the screws, and improve the appearance.

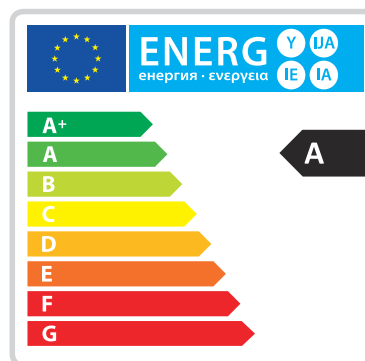


### ▶ THE 5TH GENERATION ENTHALPY HEAT EXCHANGERS

5th generation thinner membrane, with better thermal conductivity and higher heat exchange efficiency. Resin installation rail, simple structure, good sealing performance. Integrated with primary filters and an optional medium filter installation rail.



### ▶ ENERGY EFFICIENCY CLASS OF A OR A+ ACCORDING TO EU NO. 1254/2014



Model	AirCeil 150	AirCeil 250	AirCeil 350	AirCeil 500	AirCeil 650	AirCeil 800	AirCeil 1000	AirCeil 1500	AirCeil 2000	
Rated Airflow (m <sup>3</sup> /h)	150	250	350	500	650	800	1000	1500	2000	
External Pressure (Pa)	95	85	160	120	120	150	170	175	150	
Enthalpy Efficiency (%)	Cooling	71-79	68-83	71-82	67-82	66-81	70-81	71-86	71-81	71-86
	Heating	73-79	70-83	72-84	69-83	69-82	71-82	73-87	72-82	73-87
Temperature Efficiency (%)	80-84	79-86	80-89	78-87	77-86	79-85	80-90	80-85	80-90	
Noise dB(A)	29	28	32	34	35	35	37	39	40	
Diameter of Duct (mm)	100	150	150	200	200	250	250	289*718	289*718	
Product Size (mm)	610*780*289	735*780*289	874*884*331	1016*884*331	954*908*404	1004*1144*404	1231*1144*404	1004*1144*808	1231*1144*808	
Voltage (V)	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	
Input Power (W)	58	62	140	165	252	335	420	670	850	
N.W. (kg)	20	23	30	33	38	48	54	105	117	