

# Energy Recovery Ventilators

## Panasonic Energy Recovery Ventilators help you with your “comfort” and “energy-saving” plan.

Panasonic Energy Recovery Ventilators can reduce the outside air load because they efficiently recover the heat lost by ventilation during the heat recovery process. This results in energy-saving ventilation and lower running costs for air-conditioning and heating equipment.

Furthermore, by designing our current models with an counter-flow heat-exchange element, we achieved products with slim body shapes and quiet operation that create a comfortable and pleasant air-conditioned environment while saving energy.



**FY-250ZDY2**



**FY-350ZDY2**



**FY-500ZDY2**



**FY-800ZDY2**



**FY-01KZDY2A**

### Specifications Non-Inverter Models

Items	Power Source	Frequency	Heat Exchange Ventilation									Normal Ventilation					Product Weight	
			Input	Current	Air Volume	Air Volume	External Static Pressure	Temperature Exchange Efficiency	Enthalpy Exchange Efficiency		Noise	Input	Current	Air Volume	External Static Pressure	Noise		
									Cooling	Heating								
<b>Model No. Notch</b>	V.A.C	Hz	W	A	m <sup>3</sup> /h	ft <sup>3</sup> /min	Pa	%	%	%	dB	W	A	m <sup>3</sup> /h	Pa	dB	kg	
<b>FY-250ZDY2</b>																		
Extra High	220-240	50	104-119	0.48 - 0.50	250	148	90	75	63	70	27-28	103-119	0.47-0.50	250	90	27-28	29	
High	220-240	50	99-114	0.46-0.48	250	148	80	75	63	70	26-27	98-114	0.46-0.48	250	80	26.5-27.5	29	
Low	220-240	50	79-90	0.37-0.39	170	100	37	77	66	73	21-22	79-90	0.37-0.39	170	37	21.5-22.5	29	
<b>FY-350ZDY2</b>																		
Extra High	220-240	50	137-154	0.63-0.65	350	207	95	75	66	69	31-32	133-151	0.61-0.63	350	95	31-32	37	
High	220-240	50	124-137	0.59-0.60	350	207	65	75	66	69	29-30	119-132	0.57-0.60	350	65	30-31	37	
Low	220-240	50	117-128	0.56-0.57	280	165	42	77	69	71	25-26	113-125	0.54-0.56	280	42	26-27	37	
<b>FY-500ZDY2</b>																		
Extra High	220-240	50	188-214	0.86-0.90	500	295	105	75	62	67	33-34	184-210	0.84-0.88	500	105	34-35	43	
High	220-240	50	169-188	0.79-0.81	500	295	70	75	62	67	31-32	161-182	0.76-0.77	500	70	32-33	43	
Low	220-240	50	151-166	0.72-0.73	370	218	38	77	67	71	25-26	145-164	0.71-0.73	370	38	26.5-27.5	43	
<b>FY-800ZDY2</b>																		
Extra High	220-240	50	316-347	1.51-1.54	800	472	140	75	65	71	38-39	309-337	1.47-1.50	800	140	38.5-39.5	71	
High	220-240	50	309-329	1.48-1.50	800	472	110	75	65	71	36.5-37.5	300-325	1.45-1.48	800	110	37-38	71	
Low	220-240	50	302-327	1.44-1.46	650	384	70	76	68	74	32-34	297-316	1.41-1.43	650	70	33.35	71	
<b>FY-01KZDY2A</b>																		
Extra High	220-240	50	399-445	1.97-2.04	1000	590	90	75	65	71	37.5-38.5	392-438	1.95-2.03	1000	90	38-39	83	
High	220-240	50	360-399	1.85-1.93	1000	590	55	75	65	71	36-37	358-392	1.84-1.92	1000	55	36.5-37.5	83	
Low	220-240	50	332-367	1.68-1.76	810	478	35	76	68	73	31-33	329-362	1.67-1.74	810	35	31.5-33.5	83	

- This noise of the product is the value which was measured at the acoustic room. Actually, in the established condition, that undergo influence by the echoing of the room and so that become bigger than the display numerical value.
- The input, the current and the exchange efficiency are values at the time of the mentioned air volume.
- The noise level shall be measured 1.5m below the center of the unit.
- The temperature exchange efficiency averages that of when cooling and when heating.