Advanced Energy Recovery Ventilation Specification

Indoor unit			FV-15ZY125	FV-35ZY125	FV-50ZY125	FV-65ZY125	FV-1KZY125
Rated flow rate			**150 m³/h**	**350 m³/h**	**500 m³/h**	**650 m³/h**	**1000 m³/h**
l/s			**41**	**97**	**138**	**180**	**277**
Power supply	Voltage	V	220 - 240	220 - 240	220 - 240	220 - 240	220 - 240
	Phase		Single phase	Single phase	Single phase	Single phase	Single phase
	Frequency	Hz	50	50	50	50	50
Motor type			DC	DC	DC	DC	DC
ERV							
Air flow	Max	m³/h	150	350	500	650	1000
External static pressure	Max	Pa	100	140	130	150	150
Sound power [2]	Max	dB(A)	37	39	43	45	46
Input power	Max	W	76 ~ 84	141 ~ 155,5	180 ~ 198	420 ~ 462	550 ~ 605
Heat exchange efficiency [3]							
Cooling	Max	%	68,0	71,0	65,0	64,0	65,0
Heating	Max	%	83,0	83,0	81,0	82,0	82,0
Enthalpy exchange efficiency							
Cooling	Max	%	66,0	67,0	62,5	62,5	63,0
Heating	Max	%	76,0	75,0	73,0	72,0	74,0
Adapter diameter		mm	100	150	200	200	250
Dimension	H x W x D	mm	289 x 610 x 860	331 x 874 x 968	331 x 1016 x 968	404 x 954 x 1008	404 x 1231 x 1224
Net weight		kg	23	37	40	48	64

1) Different dimensions depending on models. 2) Measurement of noise 1,5 m below the center of the main unit (anechoic chamber). 3) Heat exchange efficiency measurement standard JIS B 8628 (2003).
* JIS B 8628 (2017) is used in the measurement environment. ** Available in Autumn 2023. *** Remote controller image is tentative.

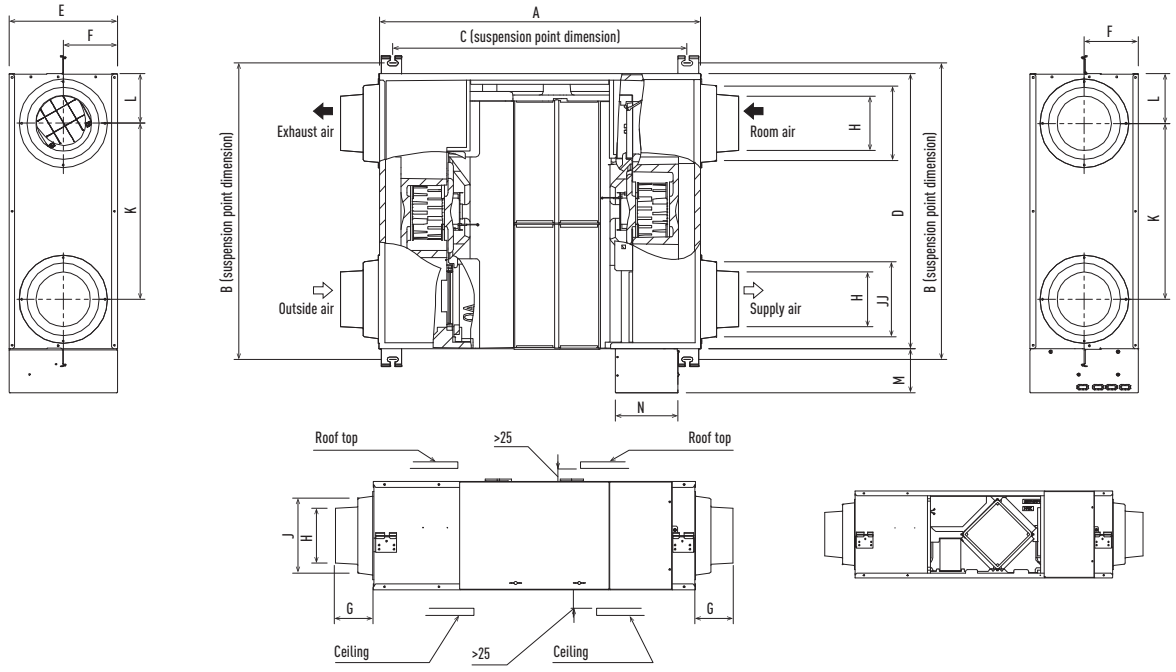
Accessories	
FV-FP15ZY1	Replacement high efficiency filter for FV-15ZY1
FV-FP35ZY1	Replacement high efficiency filter for FV-35ZY1
FV-FP50ZY1	Replacement high efficiency filter for FV-50ZY1

Accessories	
FV-FP65ZY1	Replacement high efficiency filter for FV-65ZY1
FV-FP1KZY1	Replacement high efficiency filter for FV-1KZY1

Advanced energy recovery ventilation.

FV-15ZY1 / FV-35ZY1 / FV-50ZY1 / FV-65ZY1 / FV-1KZY1

	A	B	C	D	E	F	G	H	J	K	L	M	N	Duct diameter
FV-15ZY1	860	666	786	610	289	144,5	102	Ø97,6	Ø150	395	107,5	116	168	Ø100
FV-35ZY1	968	930	895	874	331	165,5	102	Ø145	Ø200	609	132,5	115	168	Ø150
FV-50ZY1	968	1072	895	1016	331	165,5	114	Ø195	Ø250	665	175,5	115	168	Ø200
FV-65ZY1	1008	1010	934	954	404	202	114	Ø195	Ø250	638	158	121	168	Ø200
FV-1KZY1	1224	1287	1148	1231	404	202	122	Ø245	Ø300	860	185,5	121	168	Ø250



Unit: mm