

Ventilation

Ventilation

Specifications

ERV

- Energy recovery ventilation unit.
- Optional vertical or horizontal installation.
- Cellulose heat exchanger element.
- F7 class air filter.
- Optional CO₂ sensor for automatic regulation.



Model Name	Φ, #, V, Hz	AN026JSKLN/EU	AN035JSKLN/EU	AN050JSKLN/EU	AN080JSKLN/EU	AN100JSKLN/EU	
PowerSupply	Φ, #, V, Hz	1Φ, 2, 220–240 V, 50/60 Hz	1Φ, 2, 220–240 V, 50/60 Hz	1Φ, 2, 220–240 V, 50/60 Hz	1Φ, 2, 220–240 V, 50/60 Hz	1Φ, 2, 220–240 V, 50/60 Hz	
Performance	Air Volume	m ³ /h	260	350	500	800	1,000
Temperature Exchange Efficiency	Cooling	Turbo/High/Low %	70/70/74	70/70/74	70/70/74	70/70/74	70/70/74
	Heating	Turbo/High/Low %	74/74/75	78/78/79	74/74/75	77/77/78	74/74/75
Effective Enthalpy Exchange Efficiency	Cooling	Turbo/High/Low %	50/50/55	50/50/55	50/50/55	50/50/55	50/50/55
	Heating	Turbo/High/Low %	70/70/76	70/70/76	70/70/76	70/70/76	70/70/76
Power	Power Input	Turbo/High/Low W	115/80/45	115/80/50	175/120/65	330/230/125	450/280/155
Fan	Current Input	Turbo A	0.7	0.7	1.1	2.1	2.9
Airflow Rate	Turbo/High/Low	m ³ /h	260/250/180	350/350/256	500/500/360	800/800/560	1,000/1,000/690
External Static Pressure	Turbo/High/Low	Pa	100/65/55	155/100/83	165/100/85	155/90/80	155/90/75
Noise Level	Sound Pressure ¹	Turbo/High/Low/quiet dB(A)	31/28/25/22	32/29/26/23	35/32/28/24	36/33/29/25	37/34/30/26
	Sound Power	dB(A)					
Field Wiring	Power Source/Wire	mm ²	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5	1.5~2.5
	Transmission/Cable	mm ²	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50	0.75~1.50
Dimensions	Net Weight	kg	28.5	42.5	42.5	67.0	67.0
	Net Dimensions (W x H x D)	mm	600 x 350 x 660	1,012 x 270 x 1,000	1,012 x 270 x 1,000	1,220 x 340 x 1,135	1,220 x 340 x 1,135
	Supply/Return/Exhaust/Outside Duct Range(<i>a</i>)	mm	150	200	200	250	250

Accessories



CO ₂ Sensor	ERV/Wired Remote Controller	Wired Remote Controller	Wired Remote Controller
MOS-C1	MWR-VH12N	MWR-WE13N	MWR-WG00*N

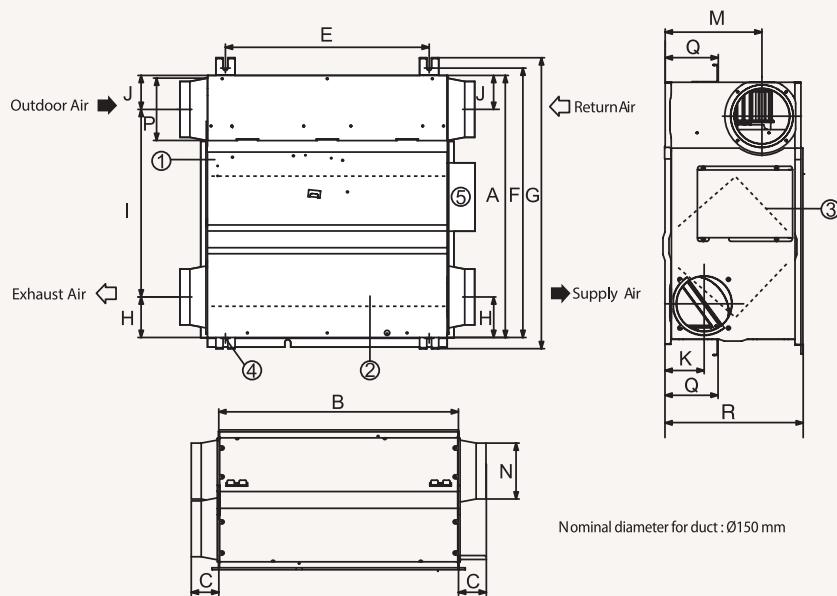
¹ Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

² Please order MOS-P1050 separately. Differential pressure switch (model code: MOS-P1050) is a mandatory accessory for all ERV and ERV Plus units in EU countries according to Ecodesign Directive 1253/2014.

Dimensional drawings

ERV

AN026JSKLN/EU

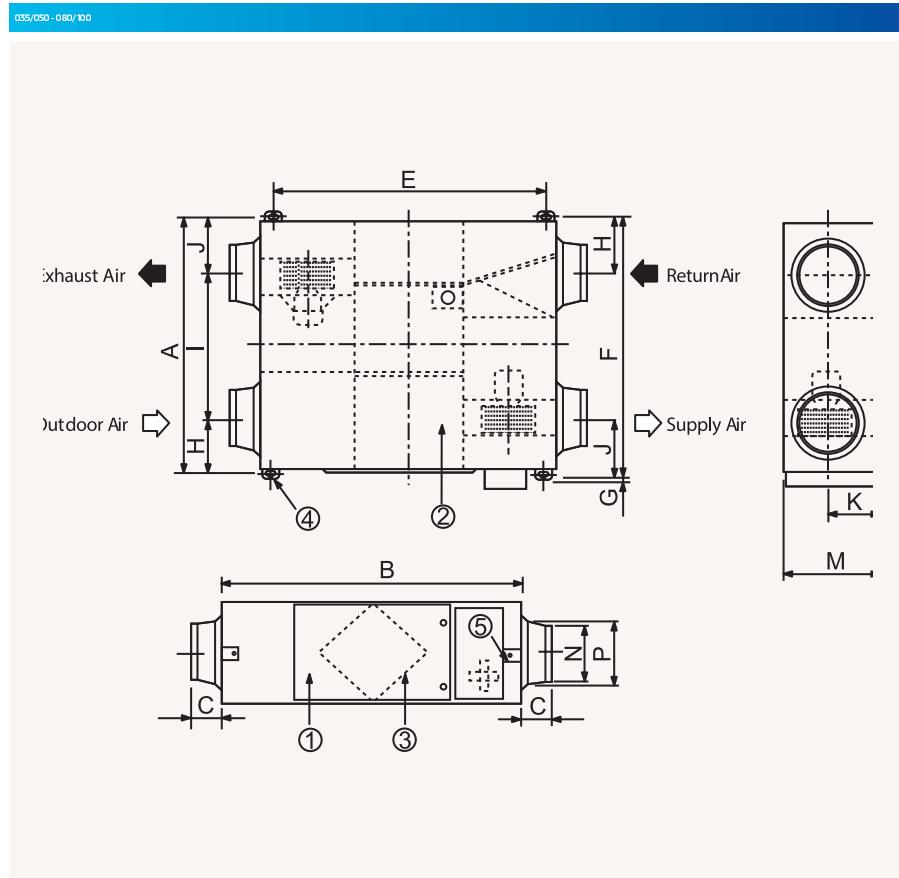


NO	Name	Description
1	Maintenance cover	1
2	Heat exchange element	1
3	Dust filter	2
4	Hanger	4
5	Electrical component box	1

Model	A	B	C	E	F	G	H	I	J	K	M	N	P	Q	R		
	Length (mm)													Diameter (mm)	Length (mm)		
026	600	660	70	510	675	729	102	470	85	98	242	140	156	133	350		

Dimensional drawings

ERV



No	Name	Description
1	Maintenance cover	1
2	Heat exchange element	2
3	Dust filter	4
4	Hanger	4
5	Electrical component box	1

Model	Nominal diameter/duct (mm)											
035/050	200											
080/100	250											

Model	A	B	C	E	F	G	H	I	J	K	M	N	P	Q	R
	Length (mm)														
035/050	1,000.00 1,012.00 99.00 940.60 1,036.40 26.00 130.00 617.00 253.00 135.00 270.00 194.00 241.50 135.00 350.00														
080/100	1,135.00 1,220.00 84.00 1,110.00 1,183.00 25.00 184.00 613.25 387.75 170.00 340.00 244.00 270.00														



Specifications

ERV Plus for DVM S

- Energy recovery ventilation unit with built-in direct expansion coil.
- Cellulose heat exchanger element.
- F7 class air filter.
- Two centrifugal fans direct driven by electric BLDC motor.
- Optional CO₂ sensor for automatic regulation.
- "Natural evaporating" humidifier type and humidity sensor optional.
- Bypass operation mode when there's a small temperature difference between indoor and outdoor environment (automatically or manually operated).
- Frost formation prevention without electric heater.
- Auto Restart function.



Model Name		AN026JSKLN/EU	AN035JSKLN/EU
Power Supply		Φ, #, V, Hz	1Φ, 2, 220~240 V, 50 Hz
Performance	Temp. Exchange Efficiency	Cooling Turbo/High/Low	-
	Heating	Turbo/High/Low	70/70/74
	Effective Enthalpy Exchange Efficiency	Cooling Turbo/High/Low	75/75/79
	Heating	Turbo/High/Low	60/60/66
	Outside Air Processing Capacity	Cooling (DX Coil/Element)	62/62/68
		Heating (DX Coil/Element)	75/75/81
Fan	Airflow Rate	Turbo/High/Low (UL) m ³ /hr	500/500/340
		US	138.9/138.9/100.0
	External Static Pressure	Turbo/High/Low mmHq	277.8/277.8/191.7
		Pa	16.00/10.00/6.50
Motor	Type	-	BLDC
	Output	W	180
	Quantity	-	2
Power	Power Input	Turbo/High/Low W	220/140/90
	Current Input	Turbo/High/Low A	1.7/1.0/0.6
Piping Connections	Liquid Pipe	ø, mm	6.35
		ø, inch	1/4
	Gas Pipe	ø, mm	12.70
		ø, inch	1/2
	Drain Pipe	ø, mm	VP25 (OD 32, ID 25)
		ø, inch	VP25 (OD 1-1/4", ID 1")
	WaterSupply	ø, mm	12.70
		ø, inch	1/2
Field Wiring	Power Source/Wire	mm ²	1.5/2.5
	Transmission Cable	mm ²	0.75-1.50
Refrigerant	Type	-	R410A
	Control Method	-	EFV
Sound Pressure	Sound Level	Turbo/High/Low dB(A)	36/32/28
	Dimensions	Net Weight kg	61.0
		Net Dimensions (W x H x D) mm	1,553 x 270 x 1,000
		Supply/Return/Exhaust/Outside Duct Flange(s)	1,763 x 340 x 1,135
Accessory	Air Filter	-	High Efficiency Filter (PP)
Accessory	SPI Sensor	-	MSD-EANI
Ambient Conditions	Around Unit	-	MOS-C1
	OutdoorAir	-	0~40 °C DB, 80 % RH or less
	ReturnAir	-	-15~40 °C DB, 80 % RH or less
		-	0~40 °C DB, 80 % RH or less
		-	-15~40 °C DB, 80 % RH or less
		-	0~40 °C DB, 80 % RH or less

Accessories

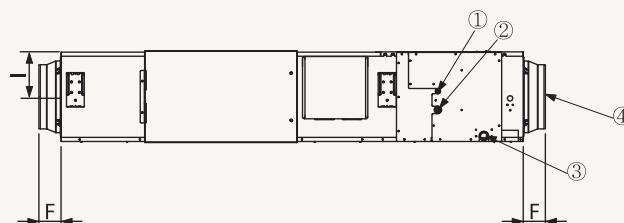
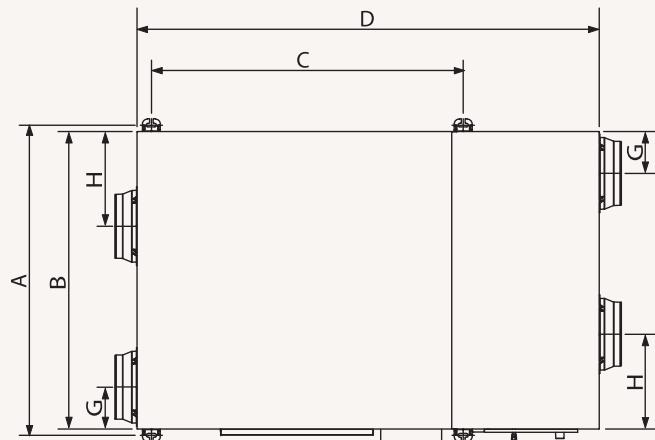


¹ Please order MOS-P1050 separately. Differential pressure switch (model code: MOS-P1050) is a mandatory accessory for all ERV and ERV Plus units in EU countries according to Ecodesign Directive 2012/3/2014.

Dimensional drawings

ERV Plus for DVM S

AM100FNKDEH/EU



NO	Name	Description	AM050FNKDEH	AM100FNKDEH
1	Liquid pipe connection	ø6.35 Flare		
2	Gas pipe connection	ø12.70 Flare		
3	Drain pipe connection	VP25 (OD 32, ID 25)		
4	Nominal diameter for duct	ø200	ø250	

Model	A	B	C	D	E	F	G	H	I
RHF050KHEA	1,036	1,000	987	1,553	270	99	130	253	135
RHF100KHEA	1,183	1,135	1,189	1,763	340	84	160	362	170