

RVX3 SERIES

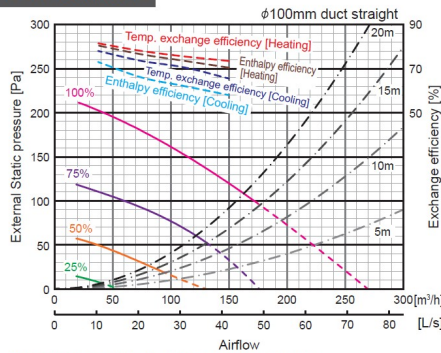
Model		LGH-15RVX3-E				LGH-25RVX3-E				LGH-35RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W) ^{*1}		55	30	15	10	75	42	21	11	120	61	29	15
Airflow ^{*1}	(m ³ /h)	150	113	75	38	250	188	125	63	350	263	175	88
	(L/s)	42	31	21	10	69	52	35	17	97	73	49	24
Specific fan power [W/(L/s)] ^{*1}		1.32	0.96	0.72	0.96	1.08	0.81	0.60	0.63	1.23	0.84	0.60	0.62
External static pressure (Pa) ^{*1}		120	68	30	8	120	68	30	8	160	90	40	10
Temperature exchange efficiency (%) ^{*1}	Heating	73.5	75.5	78.0	81.5	75.5	78.5	81.0	88.0	75.0	77.0	79.0	82.0
	Cooling	65.5	70.5	73.5	78.0	70.5	76.5	79.0	85.0	66.5	71.0	74.0	79.0
Enthalpy exchange efficiency (%)	Heating	70.5	73.5	76.5	80.5	69.0	72.0	75.5	84.0	72.0	74.5	77.5	80.0
	Cooling	58.0	62.0	66.0	73.0	59.0	63.5	68.0	75.0	60.0	64.5	68.5	74.5
Noise (dB) ^{*2}		27.0	22.0	18.0	17.0	30.5	25.0	19.5	17.0	30.5	24.5	19.0	17.0
Exhaust air transfer ratio (%) ^{*3}		5				5				5			
Weight (kg)		20				22				30			
Maximum input power (W)		74				119				196			

*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation. *1 : Measured according to ISO 16494-1: 2022

*2 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *3 : Measured according to EN308: 2022 / FS3

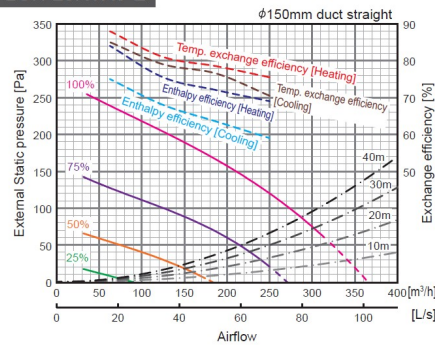
Characteristic curve

LGH-15RVX3-E



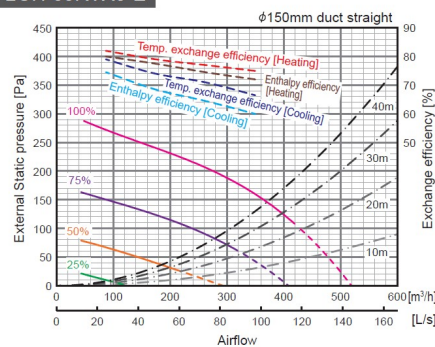
*The dotted lines of the fan curves are reference values.

LGH-25RVX3-E



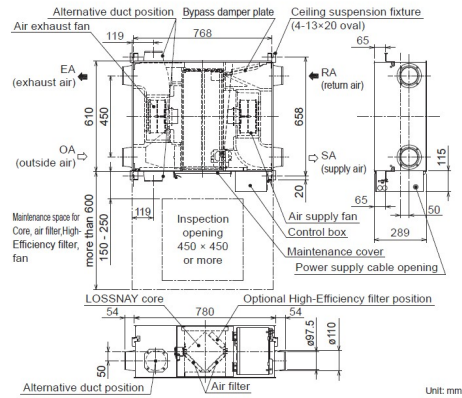
*The dotted lines of the fan curves are reference values.

LGH-35RVX3-E

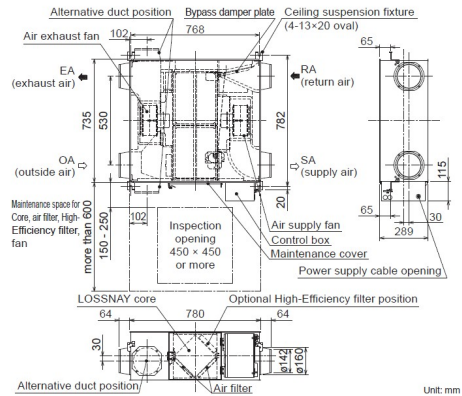


*The dotted lines of the fan curves are reference values.

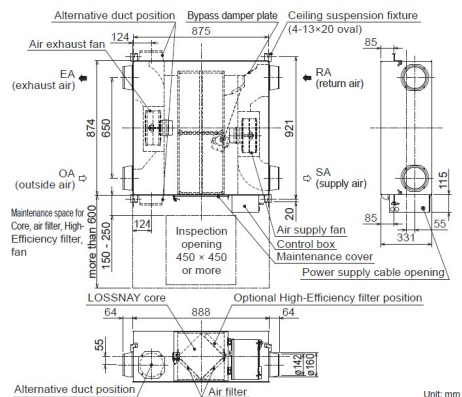
Outline drawings



Unit: mm



Unit: mm



Unit: mm

*Specifications may be subject to change without notice.

Model	LGH-50RVX3-E				LGH-65RVX3-E				LGH-80RVX3-E			
Electrical power supply	220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed	4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting	100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W) ^{*1}	185	81	34	15	245	120	51	20	343	160	64	23
Airflow ^{*1}	(m ³ /h)	500	375	250	125	650	488	325	163	800	600	400
	(L/s)	139	104	69	35	181	135	90	45	222	167	111
Specific fan power [W/(L/s)] ^{*1}	1.33	0.78	0.49	0.43	1.36	0.89	0.56	0.44	1.54	0.96	0.58	0.41
External static pressure (Pa) ^{*1}	150	85	38	10	150	85	38	10	170	96	43	11
Temperature exchange efficiency (%) ^{*2}	Heating	70.5	71.5	73.5	75.0	72.5	75.0	78.5	82.0	75.0	76.5	78.0
	Cooling	63.5	67.0	71.0	73.0	65.0	70.0	74.5	80.0	65.0	70.0	78.0
Enthalpy exchange efficiency (%) ^{*2}	Heating	68.5	69.5	72.0	73.0	69.5	72.0	76.5	80.0	62.0	65.0	73.5
	Cooling	53.5	58.0	63.0	68.0	55.5	60.0	66.5	74.0	54.5	58.5	70.5
Noise (dB) ^{*3}	35.0	27.0	21.0	17.0	37.5	31.5	24.0	17.5	39.0	33.5	25.0	18.0
Exhaust air transfer ratio (%) ^{*4}	5				5				5			
Weight (kg)	33				41				47			
Maximum input power (W)	277				360				503			

*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation.

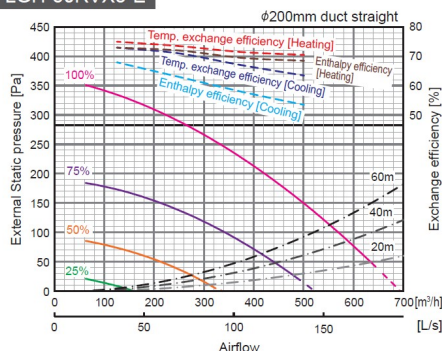
*1 : Measured according to (LGH-50RVX3-E) ISO 16494-1: 2022, (LGH-65/80RVX3-E) EN13053: 2019

*2 : Measured according to (LGH-50RVX3-E) ISO 16494-1: 2022, (LGH-65/80RVX3-E) EN308: 2022

*3 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *4 : Measured according to EN308: 2022 / FS3

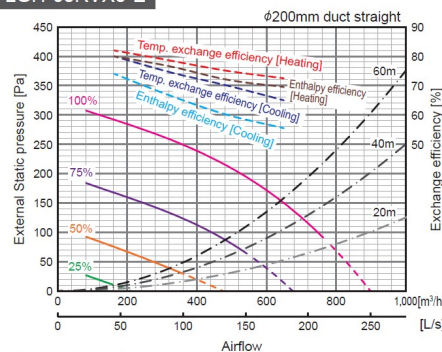
Characteristic curve

LGH-50RVX3-E



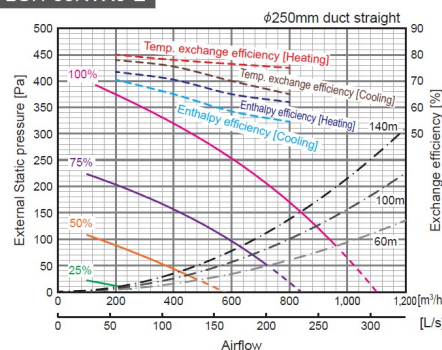
*The dotted lines of the fan curves are reference values.

LGH-65RVX3-E



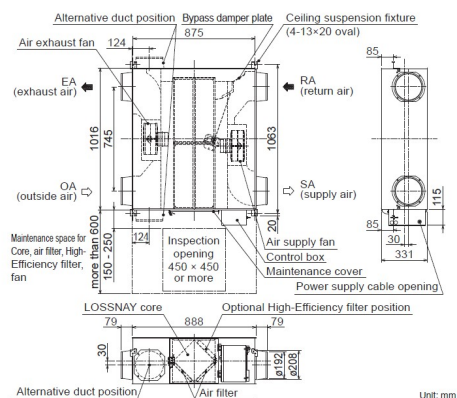
*The dotted lines of the fan curves are reference values.

LGH-80RVX3-E

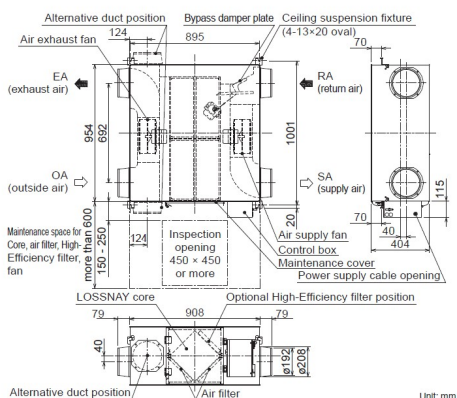


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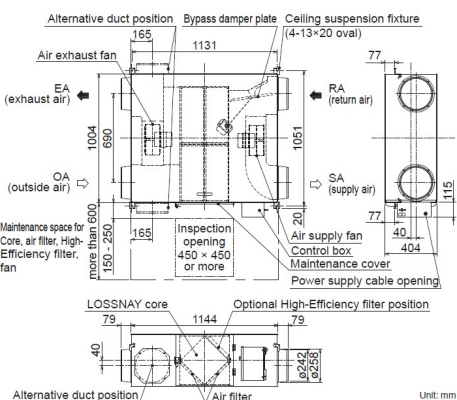
Outline drawings



Unit: mm



Unit: mm



Unit: mm

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Model		LGH-100RVX3-E				LGH-160RVX3-E				LGH-200RVX3-E			
Electrical power supply		220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz				220-240V/50Hz, 220V/60Hz			
Fan speed		4	3	2	1	4	3	2	1	4	3	2	1
Default Airflow setting		100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Input power (W) ^{*1}		438	210	83	27	687	324	128	45	855	416	163	57
Airflow ^{*1}	(m ³ /h)	1000	750	500	250	1600	1200	800	400	2000	1500	1000	500
	(L/s)	278	208	139	69	444	333	222	111	556	417	278	139
Specific fan power [W/(L/s)] ^{*1}		1.58	1.01	0.60	0.39	1.55	0.97	0.58	0.41	1.54	1.00	0.59	0.41
External static pressure (Pa) ^{*1}		190	107	48	12	170	96	43	11	170	96	43	11
Temperature exchange efficiency (%) ^{*2}	Heating	75.5	77.0	79.5	83.5	75.0	76.5	78.0	80.0	76.5	77.5	79.5	83.5
	Cooling	67.5	72.0	77.0	82.5	65.0	70.0	75.5	78.0	66.5	71.5	76.0	82.5
Enthalpy exchange efficiency (%) ^{*2}	Heating	60.5	63.0	68.5	75.5	62.0	65.0	70.5	73.5	60.5	64.0	67.5	76.0
	Cooling	55.5	61.0	66.0	73.5	54.5	58.5	65.0	70.5	57.0	60.0	65.0	71.0
Noise (dB) ^{*3}		40.0	35.0	27.0	18.5	41.0	35.0	26.0	18.0	41.5	36.0	27.5	18.0
Exhaust air transfer ratio (%) ^{*4}		5				5				5			
Weight (kg)		53				96				108			
Maximum input power (W)		646				798				915			

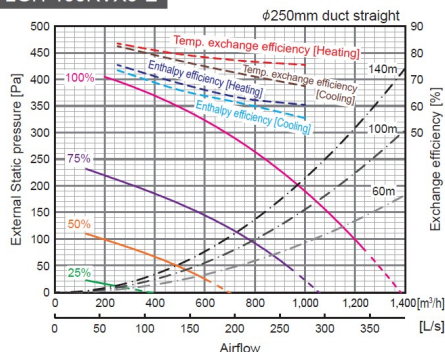
*Input power, efficiency, and noise are based on rated air volume, 230V/50Hz and horizontal installation.

*1 : Measured according to EN13053: 2019 *2 : Measured according to EN308: 2022

*3 : A-weighted sound pressure level measured at 1.5m under the center of the unit in an anechoic chamber. *4 : Measured according to EN308: 2022 / FS3

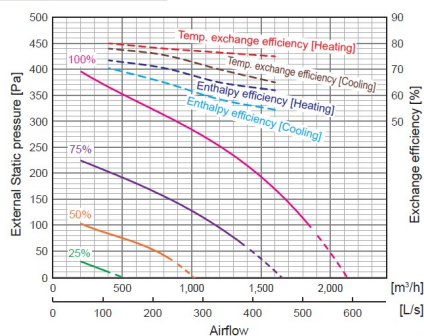
Characteristic curve

LGH-100RVX3-E



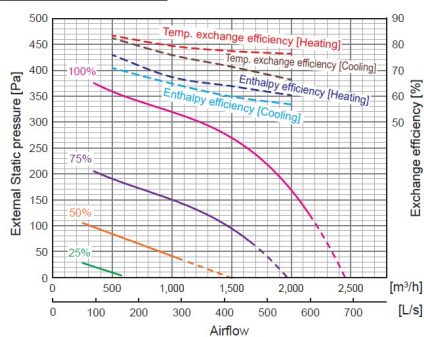
*The dotted lines of the fan curves are reference values.

LGH-160RVX3-E



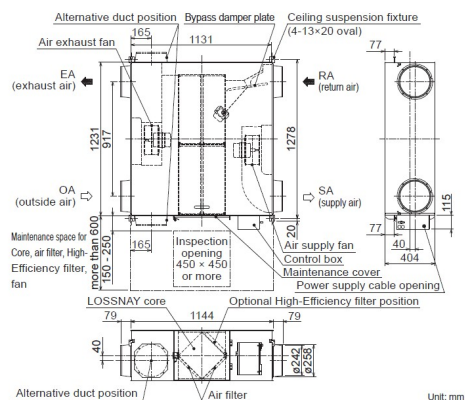
*The dotted lines of the fan curves are reference values.

LGH-200RVX3-E

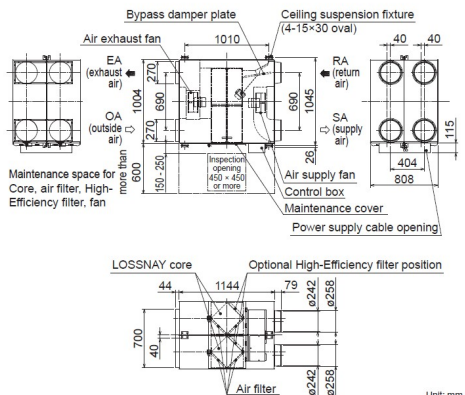


*The dotted lines of the fan curves are reference values.

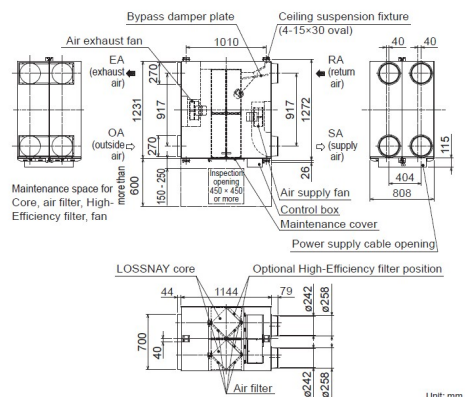
Outline drawings



Unit: mm



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