

LGH-50RVX3-E



FAN DATA SHEET



Technical Data

Product Basic Information

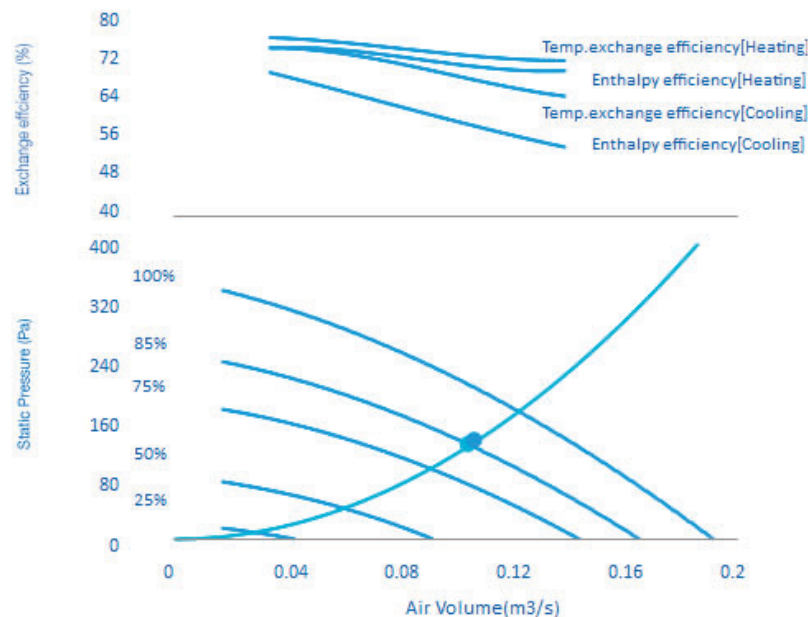
Product Range	Energy Recovery
Impeller Type	Centrifugal
Casing Material	Galvanized steel sheet
Speed Control	100%/75%/50%/25%
Weight	33 kg
Electrical Supply	220-240V / 50Hz / Single-phase
Operating Conditions	0°C to 40°C, 80%RH or less

Actual Duty Specification

Requested Duty	0.106m ³ /s @ 129Pa
Actual Duty	0.1m ³ /s @ 134.4Pa
Tolerance	94.3%
Fan Speed Setting	85%
Power Input	113W
Specific Fan Power	1.13W/(l/s)
Sound Level - dB(A)	30dB@3m

The values obtained by the calculations in this application software are the values in the ideal state and are approximate values. It may differ from the actual value depending on the air volume, air condition, installation condition, etc.

GRAPH



* Please refer to the specification sheet for the actual value.

ACOUSTIC INFORMATION

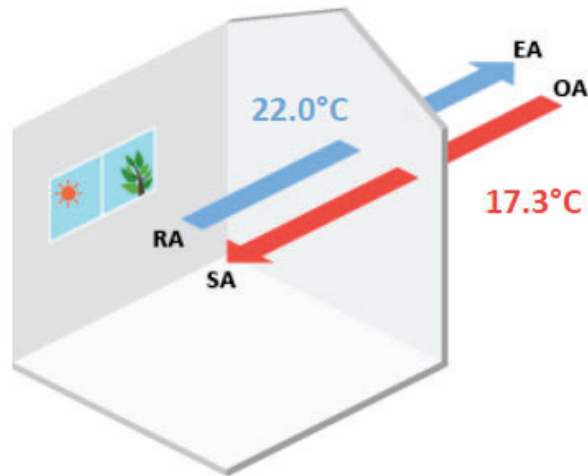
	125	250	500	1k	2k	4k	8k	Total LwA	dBA @3m
Inlet	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Outlet	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Breakout	62	56	45	39	35	29	25	51	30

- Sound power level were calculated based on laboratory measurement result.
- The measurement and the calculation were based on ISO 3744:2010.
- If the sound power level is below 15dB, it is showed "<15" in the chart.
- If you need induct acoustic information as reference data, please contact us.

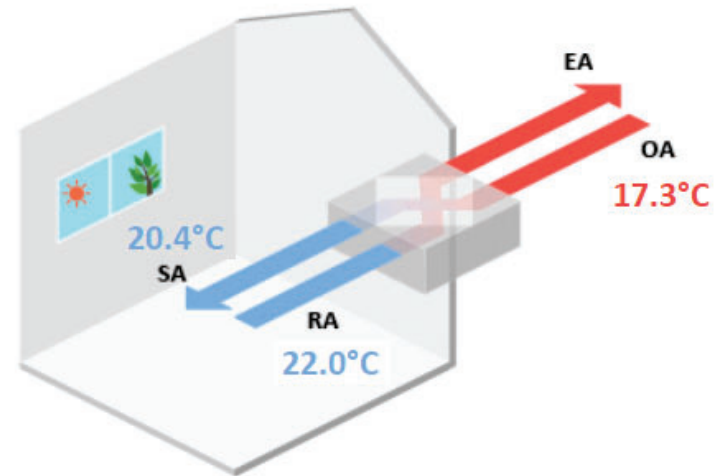


SUPPLY AIR COMPARISON

(In Summer)



Conventional Ventilation Unit



Lossnay Unit

	OA	SA	RA
Dry bulb temperature (°C)	17.3	20.4	22.0
Relative humidity (%)	70.0	55.0	50.0
Absolute humidity (g/kg(DA))	8.6	8.2	8.2
Enthalpy (kJ/kg(DA))	39.2	41.4	43.0

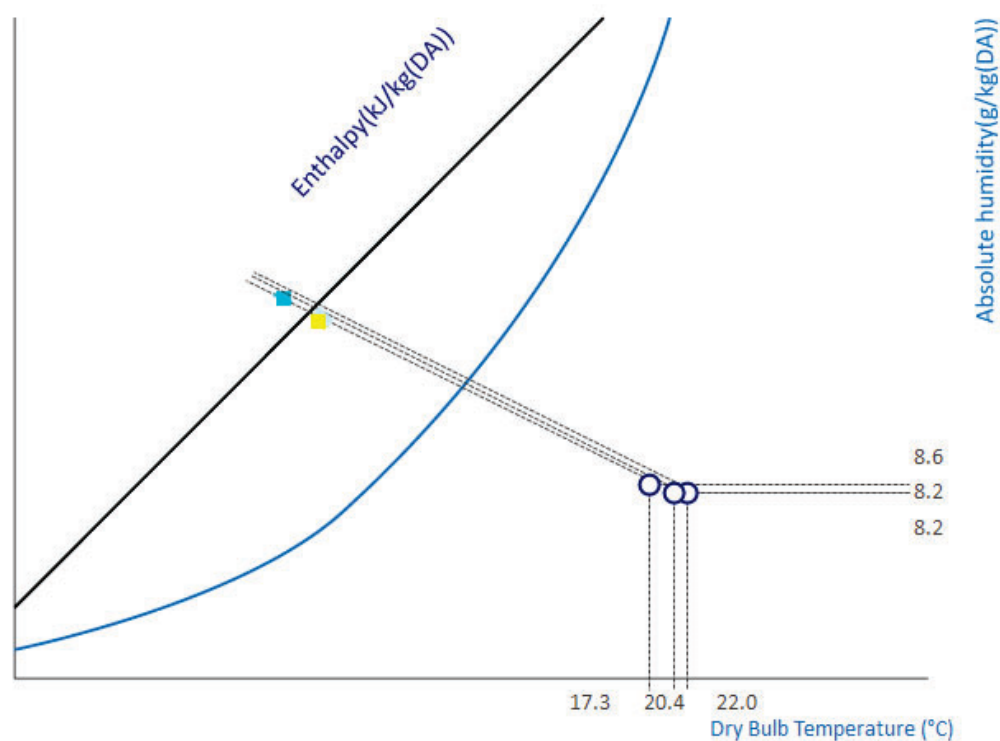
* The exchange efficiency is based on the specification sheet.

* The value is only for reference.



SUPPLY AIR COMPARISON

(In Summer)



SA in Summer

- Air Conditioning Load with Conventional Ventilation Unit
- Air Conditioning Load with Lossnay Unit
- Saved Load by Lossnay Unit

	OA	SA	RA
Dry Bulb Temperature (°C)	17.3	20.4	22.0
Relative humidity (%)	70.0	55.0	50.0
Absolute humidity (g/kg(DA))	8.6	8.2	8.2
Enthalpy (kJ/kg(DA))	39.2	41.4	43.0

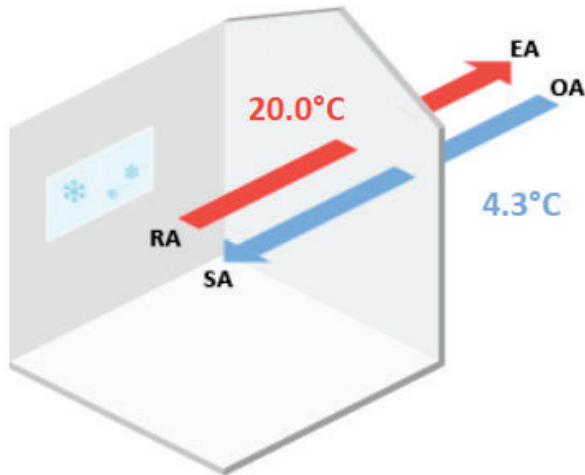
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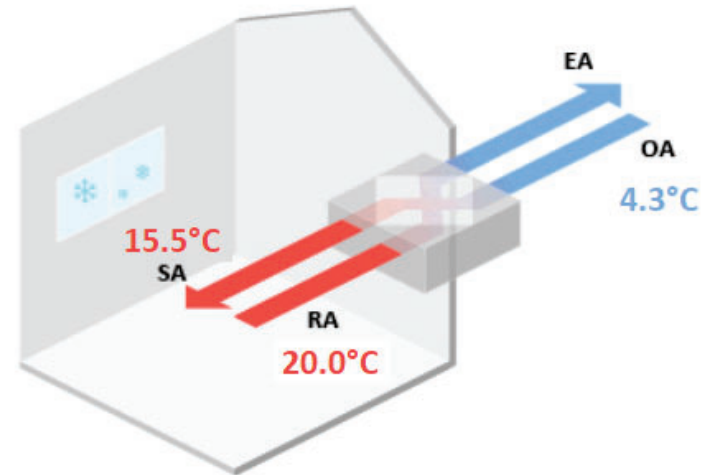


SUPPLY AIR COMPARISON

(In Winter)



Conventional Ventilation Unit



Lossnay Unit

	OA	SA	RA
Dry bulb temperature (°C)	4.3	15.5	20.0
Relative humidity (%)	85.0	57.0	50.0
Absolute humidity (g/kg(DA))	4.4	6.3	7.3
Enthalpy (kJ/kg(DA))	15.3	31.4	38.5

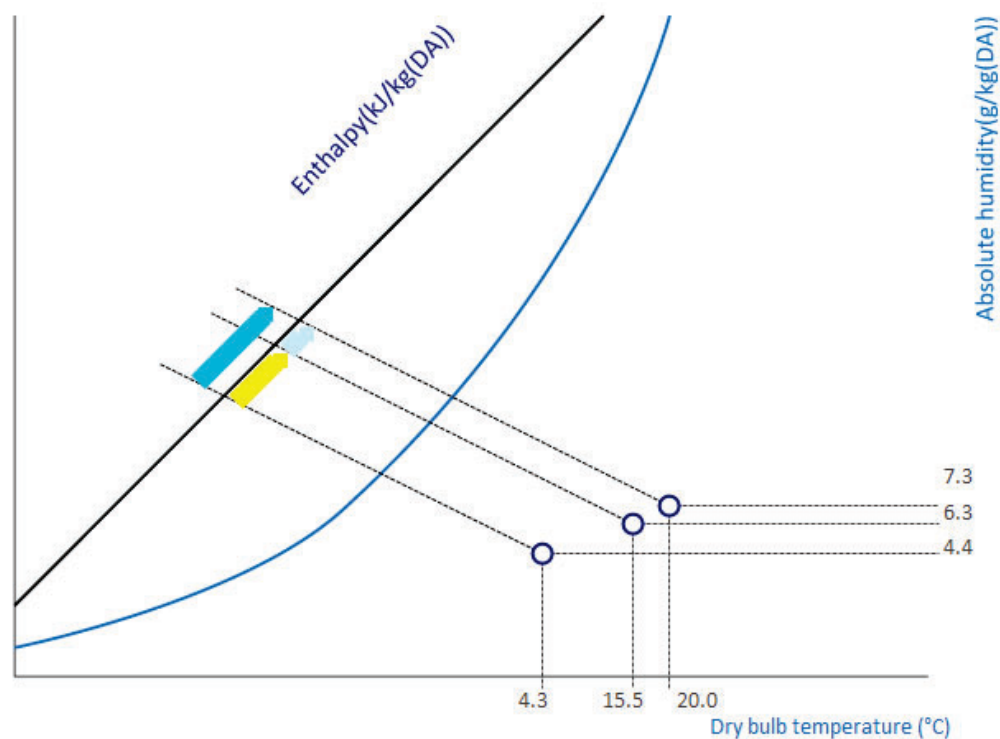
* The exchange efficiency is based on the specification sheet.

* The value is only for reference.



SUPPLY AIR COMPARISON

(In Winter)



SA in Winter

- Air Conditioning Load with Conventional Ventilation Unit
- Air Conditioning Load with Lossnay Unit
- Saved Load by Lossnay Unit

	OA	SA	RA
Dry bulb temperature (°C)	4.3	15.5	20.0
Relative humidity (%)	85.0	57.0	50.0
Absolute humidity (g/kg(DA))	4.4	6.3	7.3
Enthalpy (kJ/kg(DA))	15.3	31.4	38.5

* The exchange efficiency is based on the specification sheet.

* The value is only for reference.