

Job Name:	
System Reference:	Date:

ENERGY RECOVERY VENTILATOR



GENERAL FEATURES

- Lossnay® cross-flow energy recovery core
- Minimal cross contamination (<1% overall) between entering and leaving air streams
- Stand-alone control
- M-NET
- External input bypass damper control
- Stand alone or interlocks with all Mitsubishi product

SPECIFICATIONS

Capacity 300 CFM / 8.5 m³/min

Power

Power Source 208 - 230V, 1-Phase, 60 Hz
 Power Consumption 0.067 - 0.300 kW
 Current 0.32 - 1.35 A
 Starting Current 2.5 A
 Minimum Circuit Ampacity (MCA) 1.8 A
 Maximum Overcurrent Protection (MOCP) 15 A

Controllers

PZ-60DR Lossnay® Controller: Controls 1-15 Lossnay® units, ON/OFF, Fan Speed, and Vent Mode

Operation Mode

- Heat Recovery
- Bypass
- Auto

Air Volume

(fan speed: extra low - low - high - extra high)
 @ 208V 91 - 203 - 260 - 300 CFM
 @ 230V 112 - 235 - 300 - 300 CFM

Temperature recovery efficiency

(fan speed: extra low - low - high - extra high)
 @ 208V 81 - 71 - 67.5 - 65.5%
 @ 230V 79 - 69 - 65.5 - 65.5%

Enthalphy recovery efficiency

(fan speed: extra low - low - high - extra high)
Heating
 @ 208V 79 - 68 - 65 - 63 %
 @ 230V 77 - 66 - 63 - 63 %

Cooling
 @ 208V 63 - 55 - 52 - 50%
 @ 230V 61 - 53 - 50 - 50%

External static pressure (In. W.G.)

(fan speed: extra low - low - high - extra high)
 @ 208V 0.06 - 0.28 - 0.46 - 0.60
 @ 230V 0.08 - 0.33 - 0.54 - 0.78

External Finish Galvanized steel sheet

Dimensions

inches 12-3/8 H x 40 W x 34-15/16 D
 mm 315 H x 1016 W x 888 D

Net Weight 73 lb / 33 kg

Energy Transfer Lossnay® core

Heat Exchange System Air-to-air total heat (sensible heat + latent heat) exchange, no moving parts

Heat Exchange Material Partition, spacing plate-cellulose fiber membrane

Blower 9.625 in. dia. centrifugal fan

Motor Totally enclosed capacitor permanent split-phase induction motor, 4 poles, 2 unit

Filter Washable fiber (2)

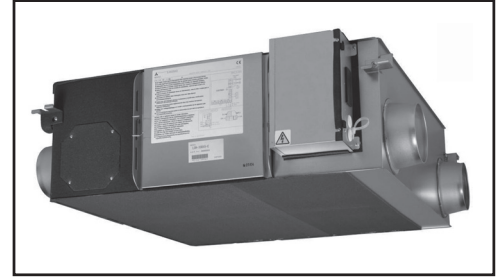
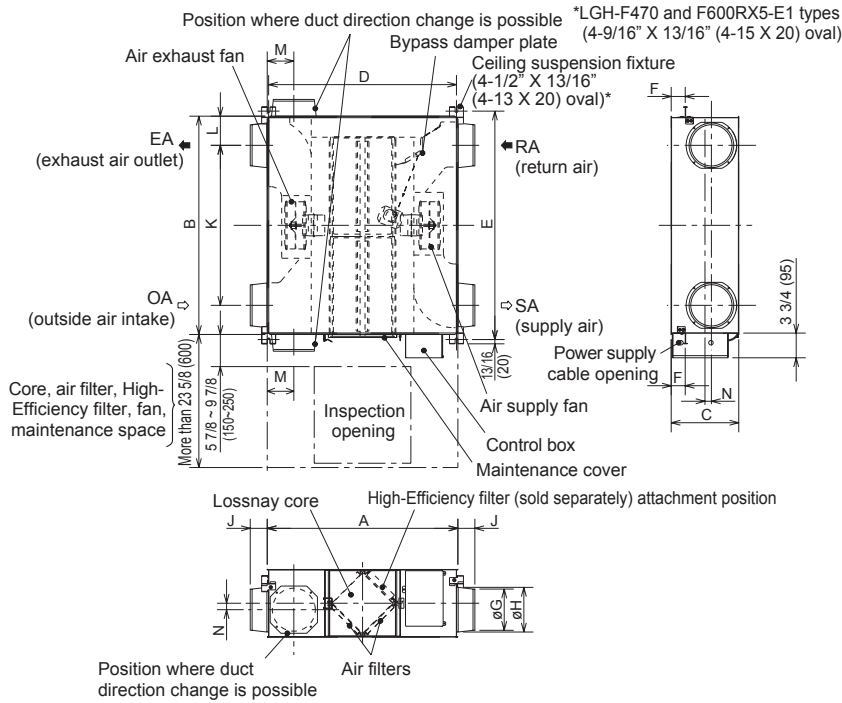
Entering Air Temperature Operation Range

14° F to 104° F (-10° C to 40° C), RH 80% or less

Sound Pressure Level

(fan speed: extra low - low - high - extra high)
 @ 208V 18 - 25.5 - 30.5 - 34 dB (A)
 @ 230V 18 - 27.5 - 33 - 37 dB (A)

Model: LGH-F300RX5-E1 – DIMENSIONS



Accessory parts

- Mounting screws x16
- Duct connecting flanges x4 (double flanges at SA and EA sides)
- P-Series - Lossnay connection cable (gray: two wires) x1

Unit: Inch (mm)

Model	Dimensions			Ceiling suspension fixture pitch			Nominal diameter	Duct connecting flange			Duct pitch				Weight
	A	B	C	D	E	F		G	H	J	K	L	M	N	
LGH-F300RX5-E1	34 15/16 (888)	40 (1016)	12 3/8 (315)	34 1/2 (875)	41 7/8 (1063)	2 9/16 (65)	7 7/8 (200)	7 9/16 (192)	8 3/16 (208)	3 1/8 (79)	29 3/8 (745)	5 5/16 (135.5)	4 7/8 (124)	1 3/16 (30)	73 lbs (33 kg)
LGH-F470RX5-E1	45 1/16 (1144)	39 1/2 (1004)	15 3/4 (399)	39 3/4 (1010)	40 13/16 (1036)	15 5/16 (389)	9 7/8 (250)	9 1/2 (242)	10 3/16 (258)	3 1/8 (79)	27 3/16 (690)	6 3/16 (157)	6 1/2 (165)	—	119 lbs (54 kg)
LGH-F600RX5-E1	45 1/16 (1144)	48 1/2 (1231)	15 3/4 (399)	39 3/4 (1010)	49 3/4 (1263)	15 5/16 (389)	9 7/8 (250)	9 1/2 (242)	10 3/16 (258)	3 1/8 (79)	36 1/8 (917)	6 3/16 (157)	6 1/2 (165)	—	132 lbs (60 kg)



COOLING & HEATING

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