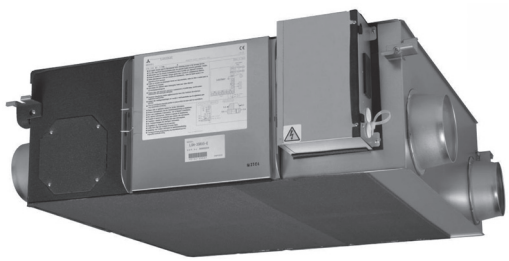
Model: LGH-F470RX5-E1

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. . . . . .470 CFM / 17 m^3/min

Power
Power Source. . . . . .208 - 230V, 1-Phase, 60 Hz
Power Consumption. . . . . 0.120 - 0.538 kW
Current . . . . . .0.60 - 2.50 A
Starting Current . . . . . .4.5 A
Minimum Circuit Ampacity (MCA). . . . . 3.1 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 . . . . . 147 - 330 - 420 - 470 CFM
@ 230V . . . . . 177 - 365 - 470 - 470 CFM

Temperature recovery efficiency
(fan speed: extra low - low - high - extra high)
@ 208V. . . . . 82 - 74 - 70.5 - 69%
@ 230V. . . . . 80 - 72 - 69 - 69%

Enthalpy recovery efficiency
(fan speed: extra low - low - high - extra high)
Heating
@ 208V. . . . . 80 - 70 - 66 - 64 %
@ 230V. . . . . 78 - 68 - 64 - 64 %

Cooling
@ 208V. . . . . 69 - 58 - 53 - 51%
@ 230V. . . . . 67 - 55 - 51 - 51%

External static pressure (In. W.G.)
(fan speed: extra low - low - high - extra high)
@ 208V. . . . . 0.07 - 0.33 - 0.54 - 0.80
@ 230V. . . . . 0.09 - 0.40 - 0.66 - 0.96

External Finish . . . . . .Galvanized steel sheet

Dimensions
inches. . . . . .15-3/4 H x 39-1/2 W x 45-1/16 D
mm . . . . . 399 H x 1004 W x 1144 D

Net Weight. . . . . 119 lb / 54 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. centrigugal fan

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

Filter . . . . . Washable fiber (2)

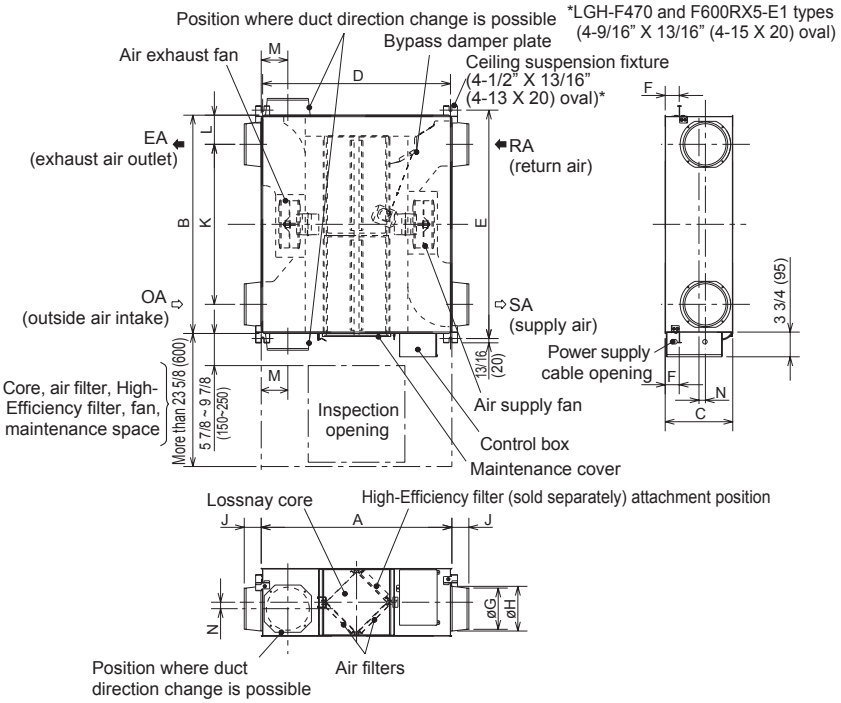
Entering Air Temperature Operation Range
14° F to 104° F (-10° C to 40° C), RH 80% or less

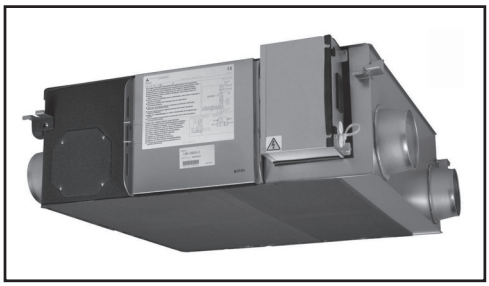
Sound Pressure Level
(fan speed: extra low - low - high - extra high)
@ 208V . . . . . 18 - 28.5 - 33 - 36 dB (A)
@ 230V . . . . . 8.5 - 31 - 35.5 - 38 dB (A)

Specifications are subject to change without notice.

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Model: LGH-F470RX5-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)

MITSUBISHI ELECTRIC
COOLING & HEATING
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Toll Free: 800-433-4822 www.mehvac.com

FORM# LGH-F470RX5-E1 - 201609

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