

Job Name:

Schedule 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 600 CFM / 17 m³/min

Power

Power Source 208 - 230V, 1-Phase, 60 Hz
 Power Consumption 0.146 - 0.637 kW
 Current 0.72 - 2.90 A
 Starting Current 5.0 A
 Minimum Circuit Ampacity (MCA) 3.6 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 200 - 370 - 520 - 600 CFM
 @ 230V 235 - 430 - 600 - 600 CFM

Temperature recovery efficiency

(fan speed: extra low - low - high - extra high)
 @ 208V 80 - 75 - 68 - 67%
 @ 230V 78 - 73 - 67 - 67%

Enthalpy recovery efficiency

(fan speed: extra low - low - high - extra high)
 Heating
 @ 208V 79 - 71 - 65 - 64%
 @ 230V 77 - 68 - 64 - 64%

Cooling

@ 208V 68 - 59 - 53 - 50%
 @ 230V 67 - 56 - 50 - 50%

External static pressure (In. W.G.)

(fan speed: extra low - low - high - extra high)
 @ 208V 0.07 - 0.24 - 0.48 - 0.56
 @ 230V 0.07 - 0.24 - 0.48 - 0.80

External Finish Galvanized steel sheet

Dimensions

inches 15-3/4 H x 48-1/2 W x 45-1/16 D
 mm 399 H x 1231 W x 1144 D

Net Weight 132 lb / 60 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 0.52 HP

induction motor, 4 poles, 2 units

Filter

..... Washable fiber (2)

Entering Air Temperature Operation Range

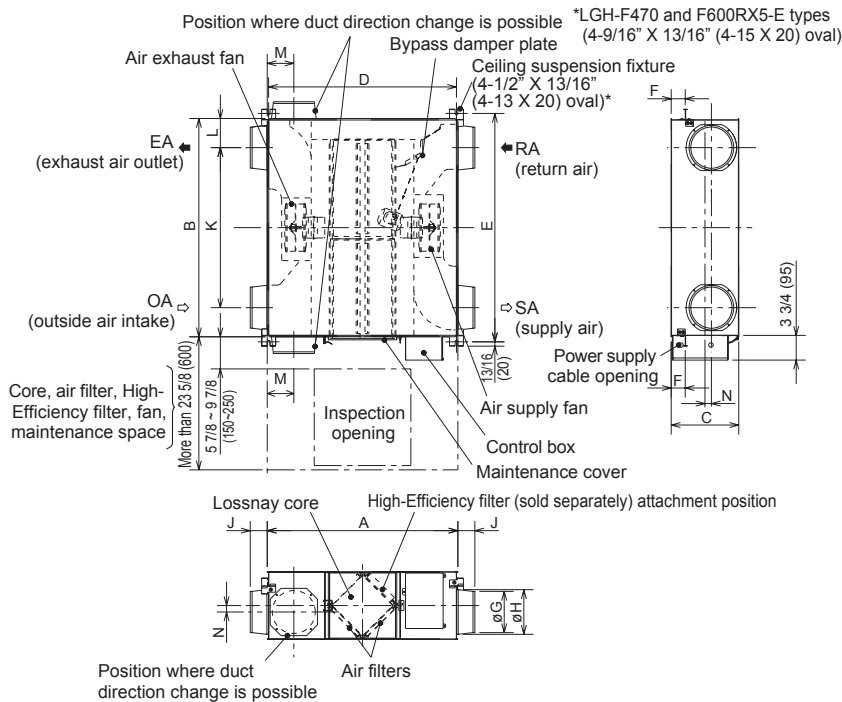
14° F to 104° F (-10° C to 40° C), RH 80% or less

Sound Pressure Level

(fan speed: extra low - low - high - extra high)
 @ 208V 19 - 26.5 - 34 - 36 dB (A)
 @ 230V 21 - 29 - 36.5 - 38 dB (A)

Notes:

Model: LGH-F600RX5-E – 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			Duct connecting flange			Duct pitch				Weight
	A	B	C	D	E	F	Nominal diameter	G	H	J	K	L	M	N			
LGH-F300RX5-E	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-E	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-E	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)		



Intertek



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