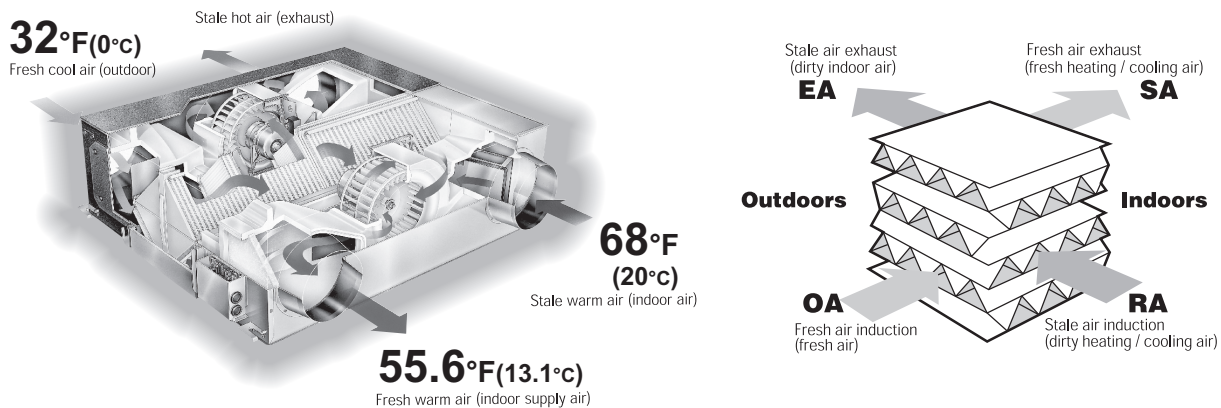


LGH-F-RX5-E

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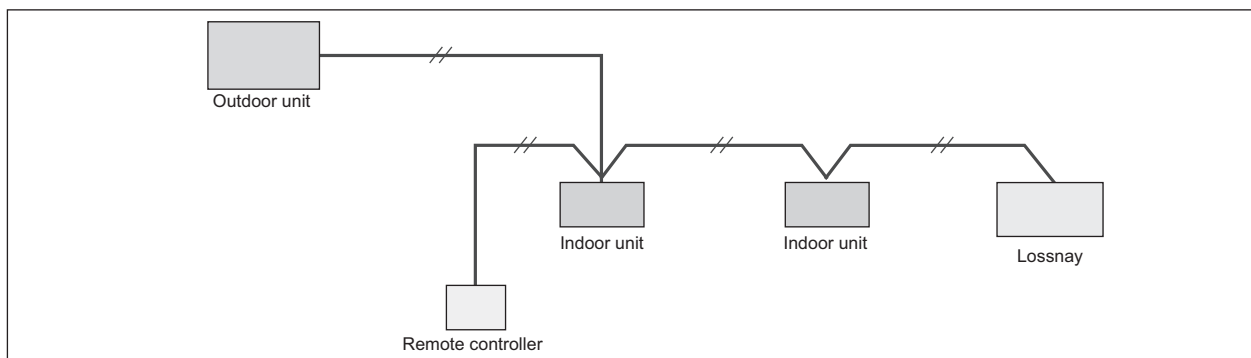
LOSSNAY is a perfect combination of heat recovery and ventilation, which is a leading edge product in the ventilation and air-conditioning field.

The LOSSNAY core is a special preserved paper made cross-flow and plate-fin structure, which is referable below.

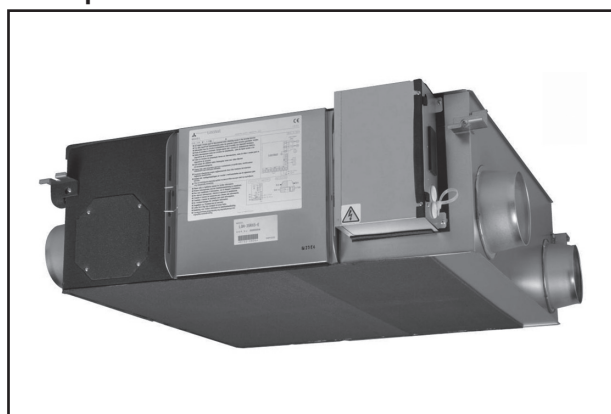


* LGH-F300RX5-E (High fan speed)

CITY MULTI can combine LOSSNAY into the air conditioning system, performing the best solution to ventilation and air-conditioning.



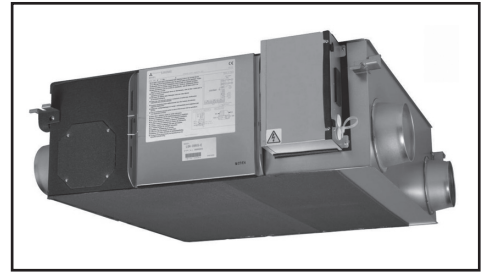
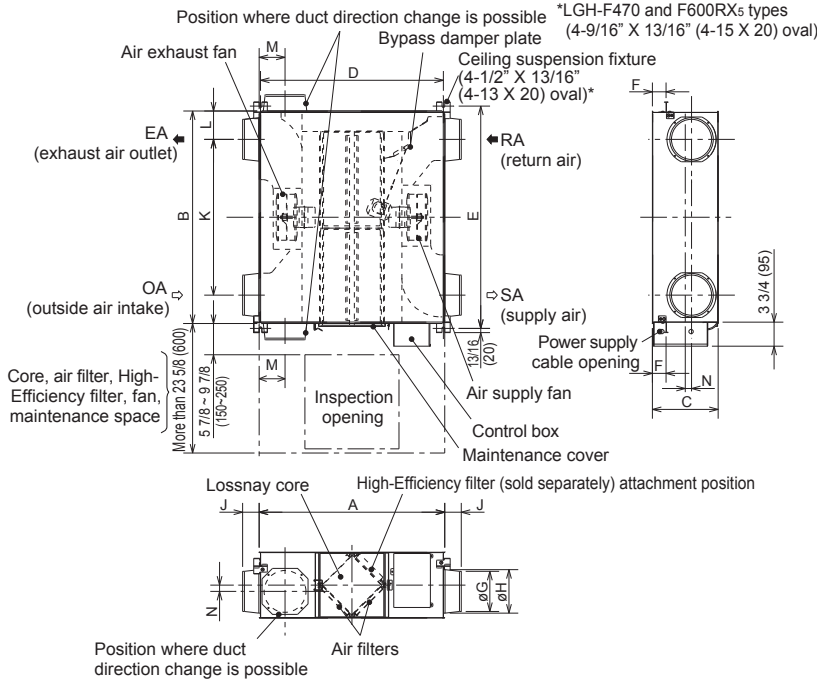
Line up of LOSSNAY units



LGH-F300RX5-E	300cfm	1-phase 208-230V, 60Hz
LGH-F470RX5-E	470cfm	1-phase 208-230V, 60Hz
LGH-F600RX5-E	600cfm	1-phase 208-230V, 60Hz
LGH-F1200RX5-E	1200cfm	1-phase 208-230V, 60Hz

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LGH-F300,470,600RX5-E



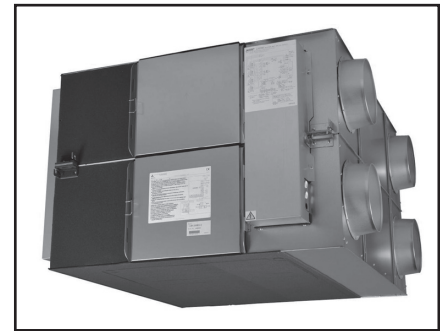
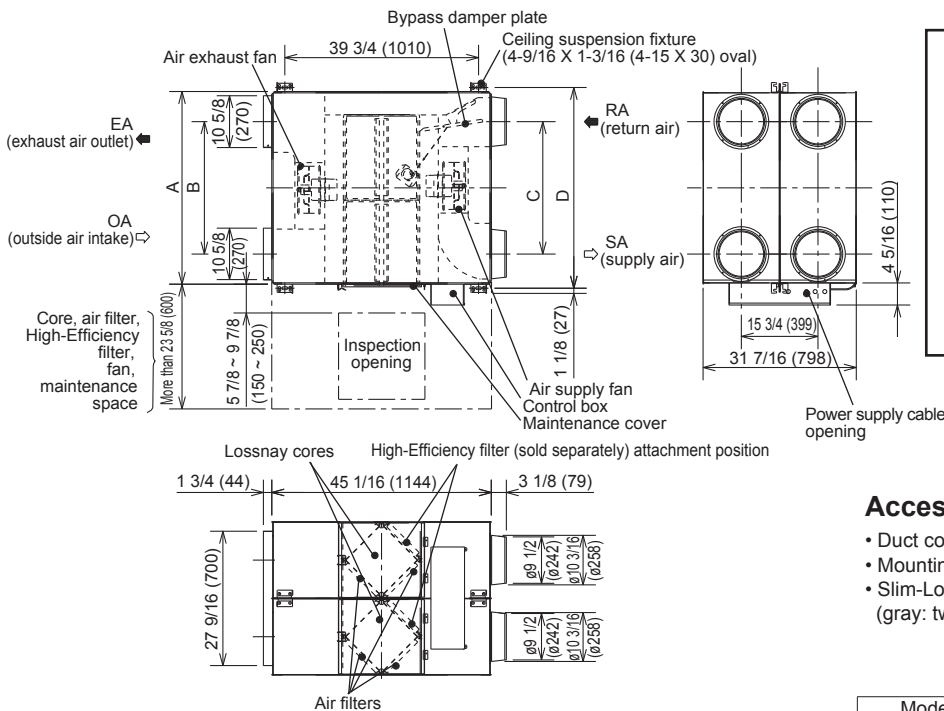
Accessory parts

- Mounting screws x16
- Duct connecting flanges x4 (double flanges at SA and EA sides)
- Slim-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-F300 RX5	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-F470 RX5	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-F600 RX5	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)	

LGH-F1200RX5-E



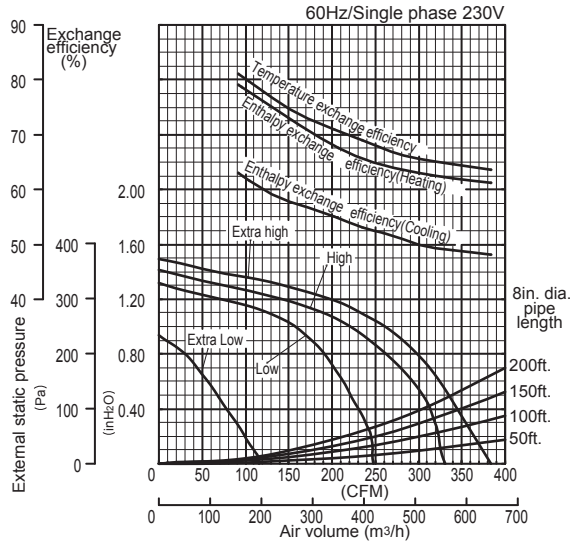
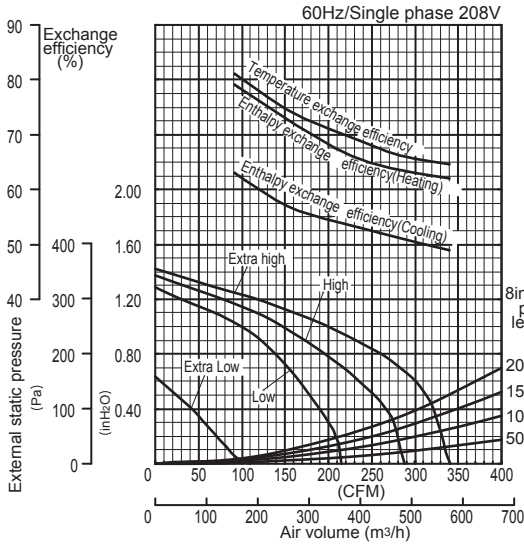
Accessory parts

- Duct connecting flanges x4
- Mounting screws x16
- Slim-Lossnay connection cable (gray: two wires) x1

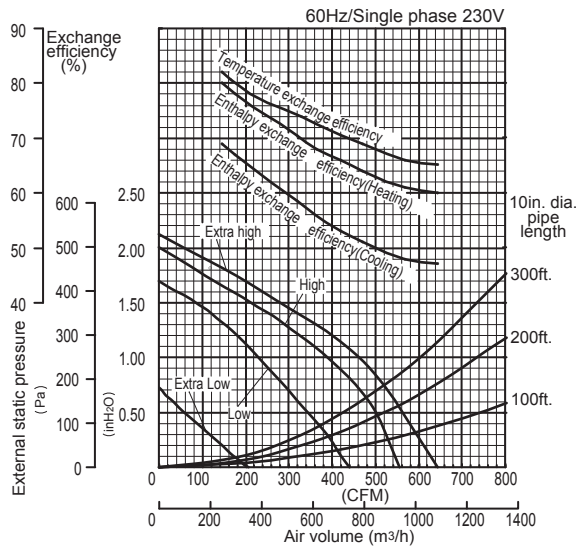
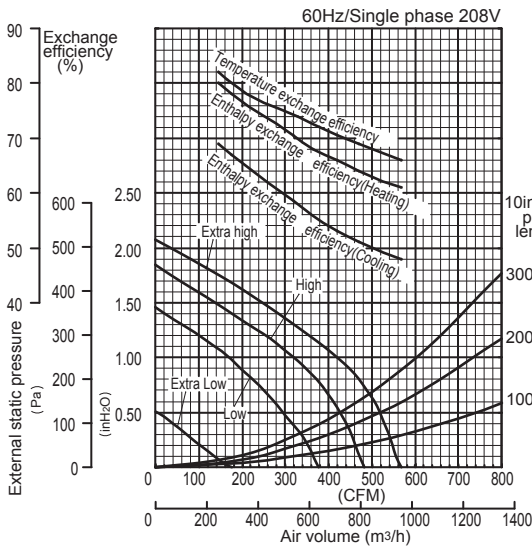
Unit: Inch (mm)

Model	A	B	C	D	Weight
LGH-F1200 RX5	48 1/2 (1231)	36 1/8 (917)	36 1/8 (917)	50 1/8 (1272)	265 lbs (120 kg)

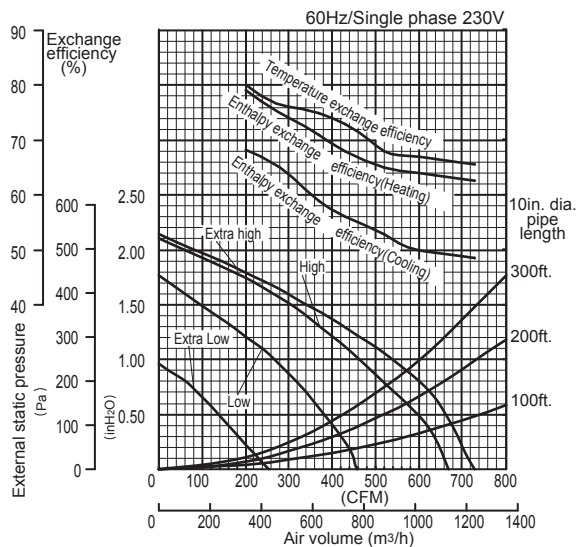
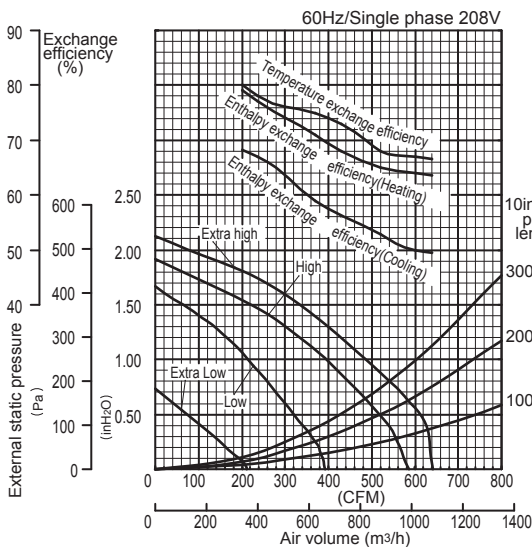
LGH-F300RX5-E



LGH-F470RX5-E

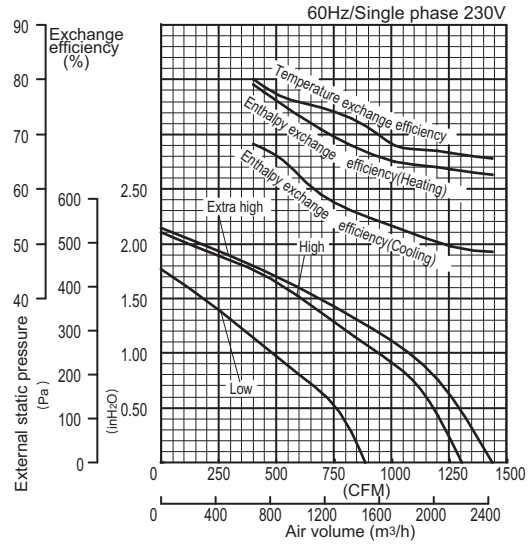
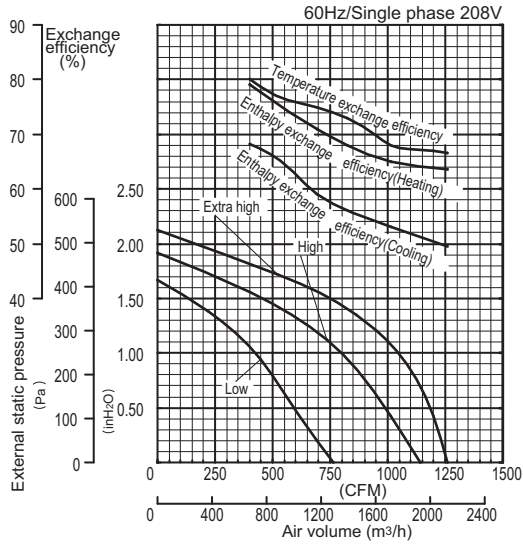


LGH-F600RX5-E



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LGH-F1200RX5-E



LGH-F300RX5-E

Model		LGH-F300RX5-E							
Power source		Single phase 208-230V/60Hz							
Ventilation mode		Lossnay ventilation				Bypass ventilation			
Speed		Extra high	High	Low	Extra Low	Extra high	High	Low	Extra Low
Current (A)		1.33/1.35	1.12/1.18	0.81/0.86	0.32/0.36	1.33/1.35	1.12/1.18	0.81/0.86	0.32/0.36
Input (W)		274/300	232/268	168/197	67/82	274/300	232/268	168/197	67/82
Air volume	(CFM)	300/300	260/300	203/235	91/112	300/300	260/300	203/235	91/112
External static pressure	(inH ₂ O)	0.60/0.78	0.46/0.54	0.28/0.33	0.06/0.08	0.60/0.78	0.46/0.54	0.28/0.33	0.06/0.08
Temperature recovery efficiency (%)		65.5/65.5	67.5/65.5	71/69	81/79	—	—	—	—
Enthalpy recovery efficiency (%)	Heating	63/63	65/63	68/66	79/77	—	—	—	—
	Cooling	50/50	52/50	55/53	63/61	—	—	—	—
Sound pressure (Measured at 1.5m under level (dB) the center of the unit)		34/37	30.5/33	25.5/27.5	18/18	35/37.5	31.5/34.5	25.5/28.5	18/18.5
Weight (lbs)		73							
Starting current		2.5A							

LGH-F470RX5-E

Model		LGH-F470RX5-E							
Power source		Single phase 208-230V/60Hz							
Ventilation mode		Lossnay ventilation				Bypass ventilation			
Speed		Extra high	High	Low	Extra Low	Extra high	High	Low	Extra Low
Current (A)		2.40/2.50	2.10/2.20	1.59/1.71	0.60/0.64	2.40/2.50	2.10/2.20	1.59/1.71	0.60/0.64
Input (W)		485/538	425/490	330/393	120/145	485/538	425/490	330/393	120/145
Air volume	(CFM)	470/470	420/470	330/365	147/177	470/470	420/470	330/365	147/177
External static pressure	(inH ₂ O)	0.80/0.96	0.54/0.66	0.33/0.40	0.07/0.09	0.80/0.96	0.54/0.66	0.33/0.40	0.07/0.09
Temperature recovery efficiency (%)		69/69	70.5/69	74/72	82/80	—	—	—	—
Enthalpy recovery efficiency (%)	Heating	64/64	66/64	70/68	80/78	—	—	—	—
	Cooling	51/51	53/51	58/55	69/67	—	—	—	—
Sound pressure (Measured at 1.5m under level (dB) the center of the unit)		36/38	33/35.5	28.5/31	18/18.5	36/39	33/36	28.5/31.5	18/18
Weight (lbs)		119							
Starting current		4.5A							

LGH-F600RX5-E

Model		LGH-F600RX5-E							
Power source		Single phase 208-230V/60Hz							
Ventilation mode		Lossnay ventilation				Bypass ventilation			
Speed		Extra high	High	Low	Extra Low	Extra high	High	Low	Extra Low
Current (A)		2.80/2.90	2.50/2.70	1.56/1.69	0.72/0.79	2.80/2.90	2.50/2.70	1.56/1.69	0.72/0.79
Input (W)		577/637	517/605	324/387	146/180	577/637	517/605	324/387	146/180
Air volume	(CFM)	600/600	520/600	370/430	200/235	600/600	520/600	370/430	200/235
External static pressure	(inH ₂ O)	0.56/0.80	0.48/0.48	0.24/0.24	0.07/0.07	0.56/0.80	0.48/0.48	0.24/0.24	0.07/0.07
Temperature recovery efficiency (%)		67/67	68/67	75/73	80/78	—	—	—	—
Enthalpy recovery efficiency (%)	Heating	64/64	65/64	71/68	79/77	—	—	—	—
	Cooling	50/50	53/50	59/56	68/67	—	—	—	—
Sound pressure (Measured at 1.5m under level (dB) the center of the unit)		36/38	34/36.5	26.5/29	19/21	37/39	35/37.5	27/30	18.5/20
Weight (lbs)		132							
Starting current		5.0A							

LGH-F1200RX5-E

Model		LGH-F1200RX5-E						
Power source		Single phase 208-230V/60Hz						
Ventilation mode		Lossnay ventilation			Bypass ventilation			
Speed		Extra high	High	Low	Extra high	High	Low	
Current (A)		5.7/5.8	5.0/5.3	3.1/3.4	5.8/5.8	5.1/5.4	3.1/3.4	
Input (W)		1185/1303	1040/1219	639/765	1185/1303	1040/1219	639/765	
Air volume	(CFM)	1200/1200	1012/1200	695/824	1200/1200	1012/1200	695/824	
External static pressure	(inH ₂ O)	0.43/0.75	0.43/0.43	0.20/0.20	0.43/0.75	0.43/0.43	0.20/0.20	
Temperature recovery efficiency (%)		67/67	68/67	75/73	—	—	—	
Enthalpy recovery efficiency (%)	Heating	64/64	65/64	71/68	—	—	—	
	Cooling	50/50	53/50	59/56	—	—	—	
Sound pressure (Measured at 1.5m under level (dB) the center of the unit)		38/40.5	36/39	29/32	40/42.5	38/41	30.5/33.5	
Weight (lbs)		265						
Starting current		10.0A						

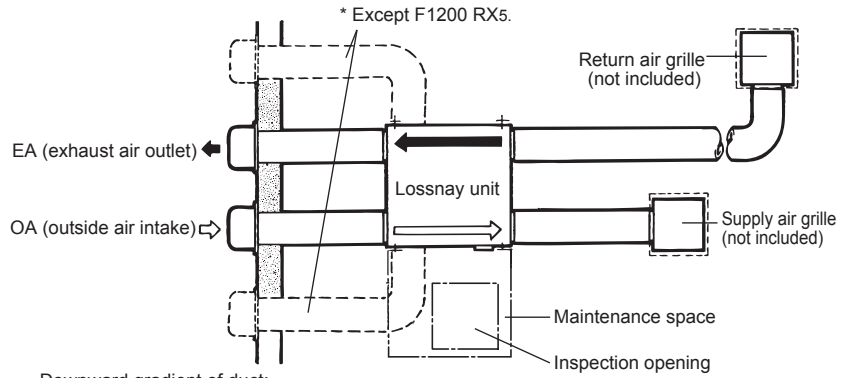
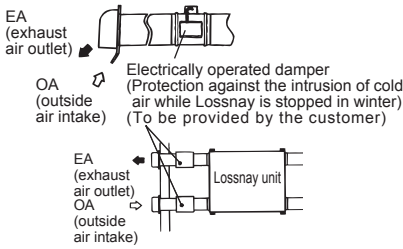
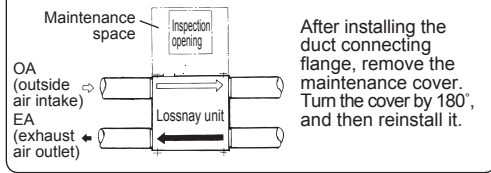
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- Duct length

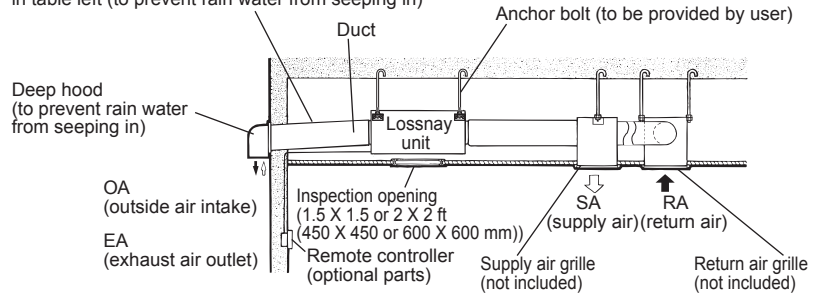
Model	Distance
LGH-F300 RX _s	3.3 ft (1 m) or more
LGH-F470, F600 RX _s	8.2 ft (2.5 m) or more
LGH-F1200 RX _s	9.8 ft (3 m) or more

- The parts can also be installed upside down. Remove the maintenance cover, rotate the parts by 180°, and re-install.

* It can be installed by inverting the top and the bottom.

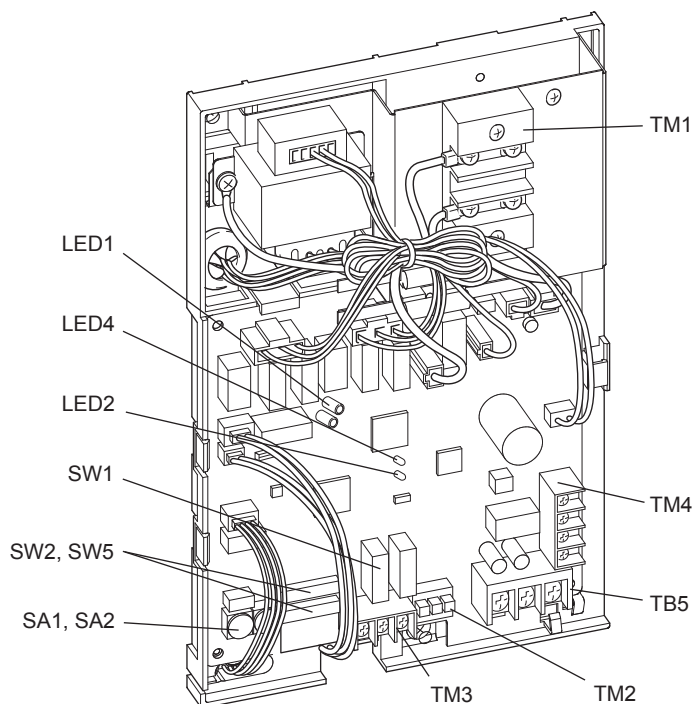


Downward gradient of duct: 1/30 or more (toward wall side) and provision of distance in table left (to prevent rain water from seeping in)

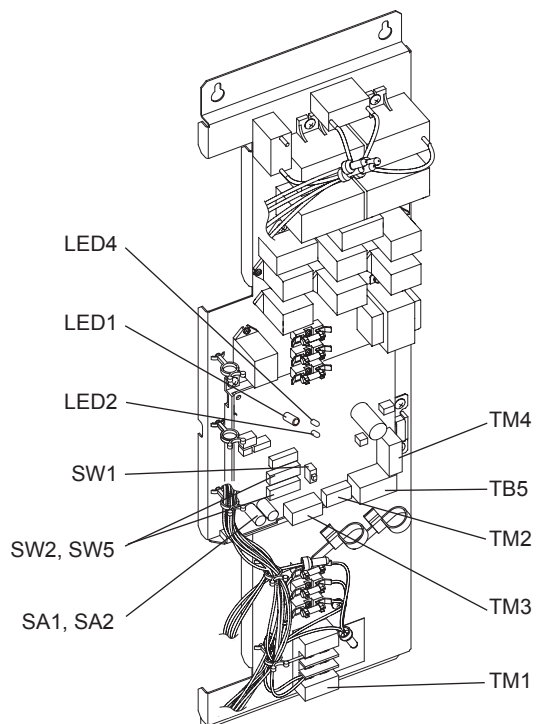


- In a region where there is risk of freezing in winter, it is recommended to install an Electrically operated damper, or the like, in order to prevent the intrusion of (cold) outdoor air while Lossnay is stopped.

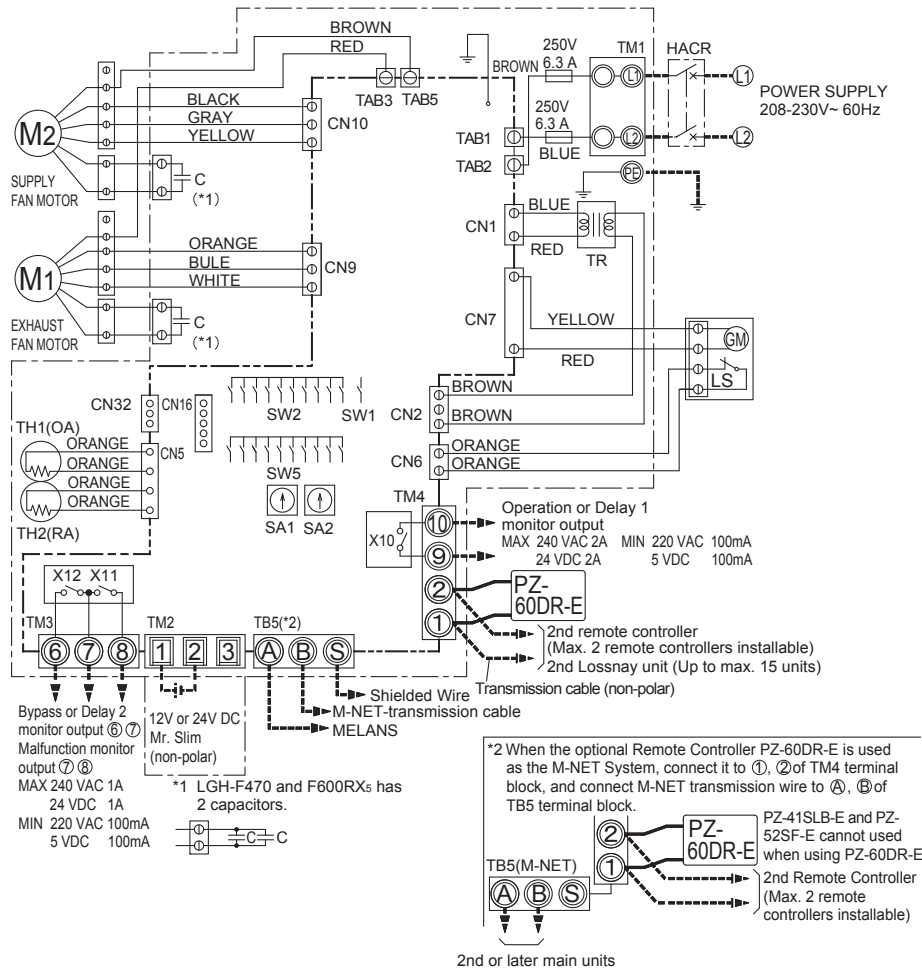
LGH-F300, 470, 600RX5



LGH-F1200RX5

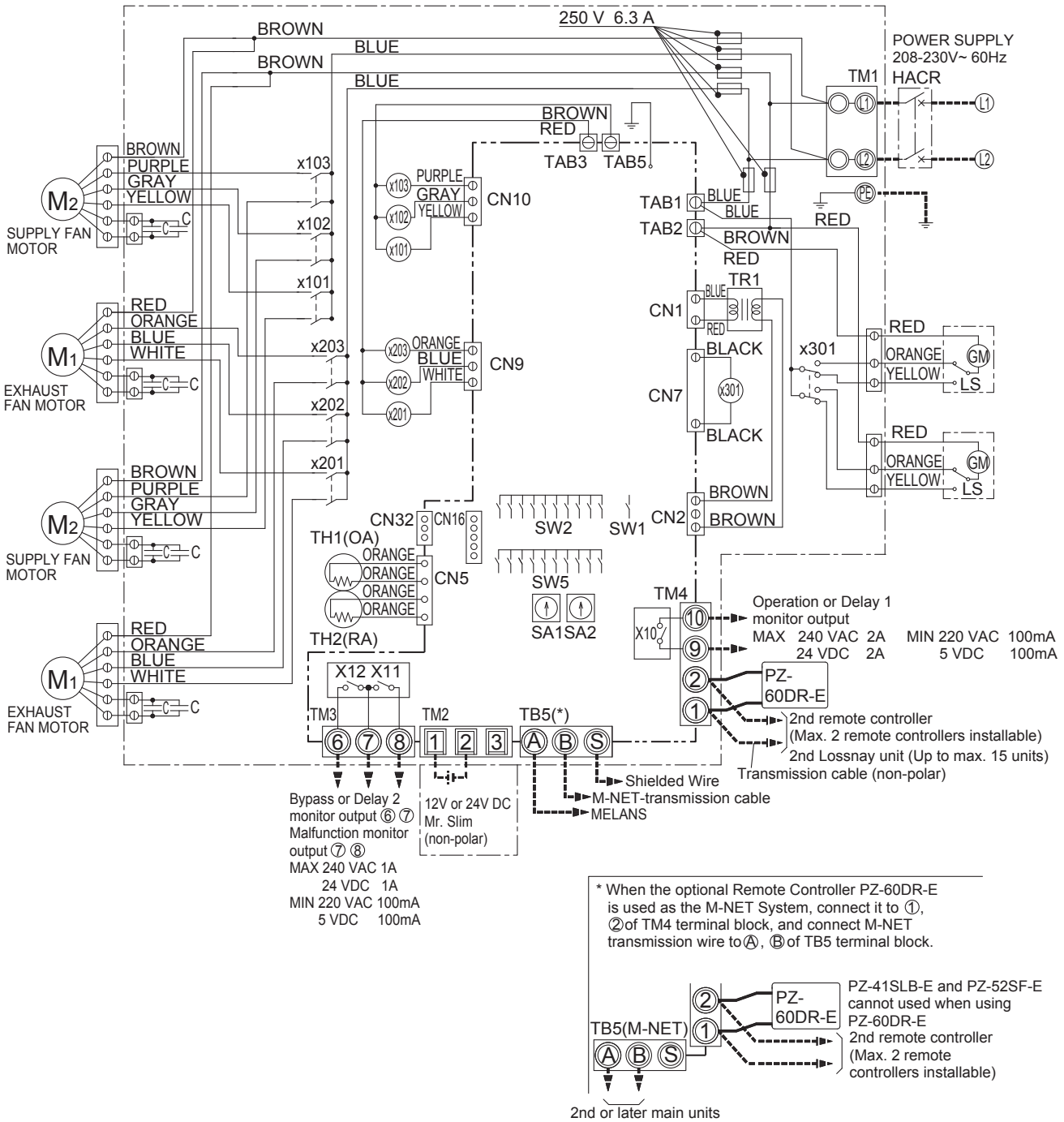


LGH-F300, 470, 600RX5



Definition of symbols	
M1:	Motor for exhaust fan
M2:	Motor for supply fan
C:	Capacitor
GM:	Motor for Bypass movement
LS:	Micro switch
TH1:	Thermistor for outside air
TH2:	Thermistor for return air
SW1:	Switch (Main/sub change)
SW2, 5:	Switch (Function selection)
TM1:	Terminal block (Power supply)
TM2:	Terminal block (External control input)
TM3:	Terminal block (Monitor output)
TM4:	Terminal block
TM4:	Terminal block
TM4:	Terminal block
TM4:	Terminal block
TM4:	Terminal block
TB5:	Terminal block (M-NET Transmission cable)
TAB1, TAB2:	Connector (Power supply)
TR:	Control circuit transformer
X10:	Relay contact
X11:	Relay contact
X12:	Relay contact
CN1:	Connector (Transformer primary)
CN2:	Connector (Transformer secondary)
CN5:	Connector (Thermistor)
CN6:	Connector (Micro switch)
CN7:	Connector (Motor for bypass operation)
TAB3:	Tab connector (Fan motor)
TAB5:	Tab connector (Fan motor)
CN9:	Connector (Fan motor)
CN10:	Connector (Fan motor)
CN16:	Connector (High/Low/Extra Low/BY-PASS switch)
CN32:	Connector (Remote control selection)
SA1:	Address setting rotary switch (10 digit)
SA2:	Address setting rotary switch (1 digit)
LED1:	Inspection indicator lamp
LED2:	Inspection indicator lamp
LED4:	Power supply indicator lamp
SYMBOL	◎ □ : Terminal block ⊙ □ : Connector ⊕ □ : Board insertion connector or fastening connector of control board.

LGH-F1200RX5



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Definition of symbols		
M1: Motor for exhaust fan	TM4: Terminal block (Transmission cable and monitor output)	TAB3: Tab connector (Fan motor)
M2: Motor for supply fan	TB5: Terminal block (M-NET Transmission cable)	TAB5: Tab connector (Fan motor)
C: Capacitor	TAB1, TAB2: Connector (Power supply)	CN9: Connector (Fan motor)
GM: Motor for Bypass movement	TR1: Control circuit transformer	CN10: Connector (Fan motor)
LS: Micro switch	X10, X11, X12: Relay contact	CN16: Connector (High/Low/BY-PASS switch)
TH1: Thermistor for outside air	X101, X102, X103: Relay Supply fan speed control	CN32: Connector (Remote control selection)
TH2: Thermistor for return air	X201, X202, X203: Relay Exhaust fan speed control	SA1: Address setting rotary switch (10 digit)
SW1: Switch (Main/sub change)	X301: Relay Motor for Bypass movement	SA2: Address setting rotary switch (1 digit)
SW2, 5: Switch (Function selection)	CN1: Connector (Transformer primary)	SYMBOL \square : Terminal block
TM1: Terminal block (Power supply)	CN2: Connector (Transformer secondary)	\odot : Connector
TM2: Terminal block (External control input)	CN5: Connector (Thermistor)	\square : Board insertion connector or fastening connector of control board.
TM3: Terminal block (Monitor output)	CN7: Connector (Motor for Bypass operation)	