

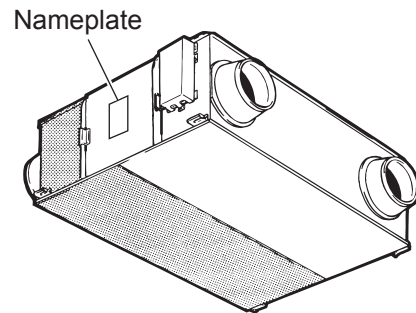
LOSSNAY

PARTS CATALOG

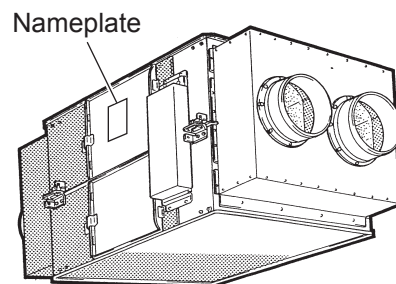
MODELS

LGH-50RX3-CAN

LGH-100RX3-CAN



LGH-200RX3-CAN



Warning:

Repair work must be performed by the manufacturer, its service agent or a similarly qualified person in order to avoid hazards.

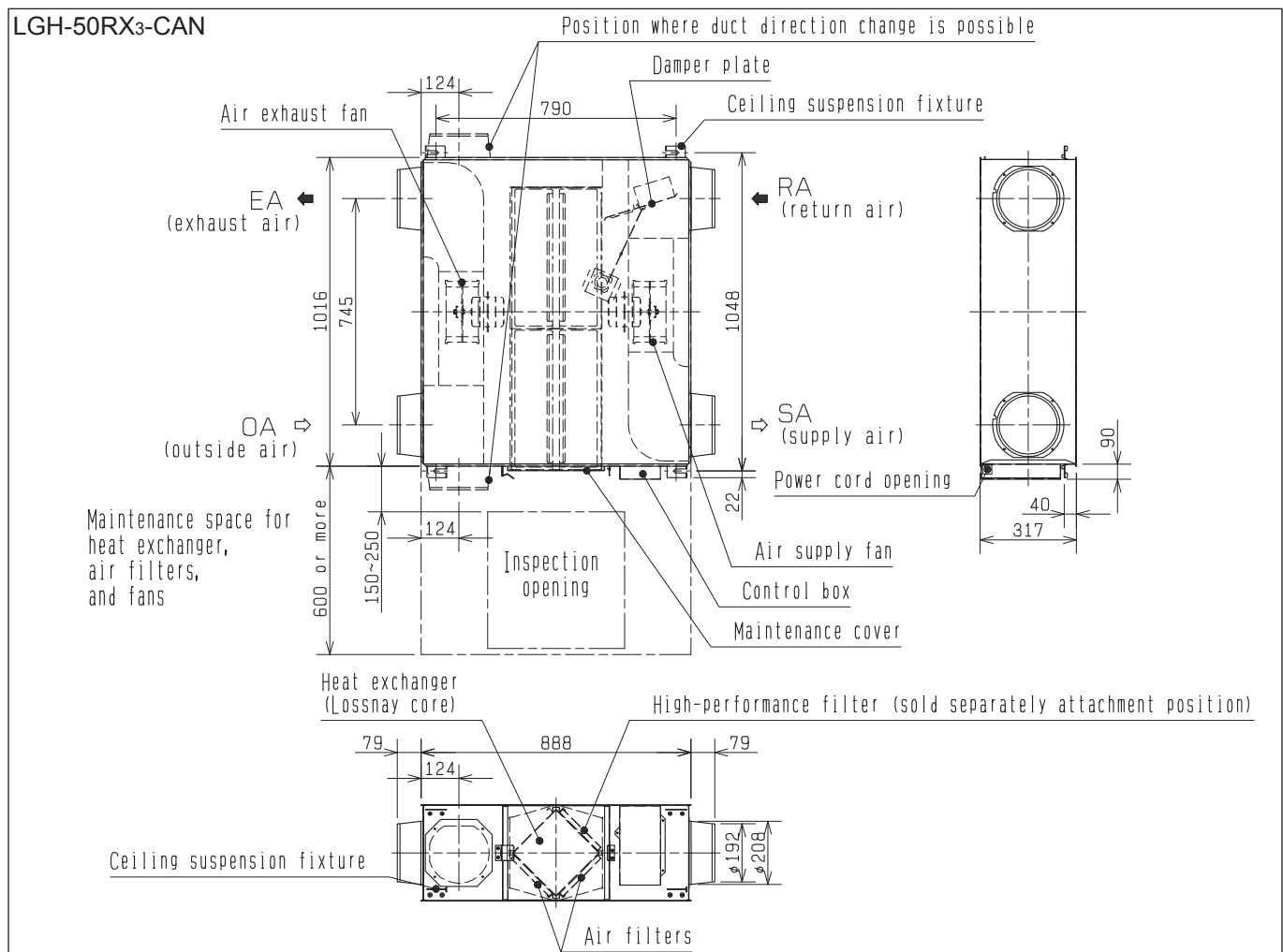
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1. Specifications

Model name	Voltage (V)	Line frequency (Hz)	Fan speed	Current (A)	Power consumption (W)	Air volume		Static pressure		Exchange efficiency (%)			Noise (dB(A))		Weight (kg)
						(m³/h)	(L/S)	Static pressure		Temperature	Enthalpy		Below the unit	Air outlets	
								(mmH₂O)	(Pa)		Heating	Cooling			
LGH-50RX ₃ -CAN	1-Phase 208 - 230	60	Extra High	1.23-1.25	253-278	500	139	11.2-20.9	110-205	73	66	47	33-36	41-44	33
			High	1.0-1.04	207-237	420	117	7.1-14.8	70-145	75	69	49	30-32	36-40	
			Low	0.56-0.60	116-139	260	72	3.1-7.1	30-70	81	75	57	24-25	29-31	
LGH-100RX ₃ -CAN	1-Phase 208 - 230	60	Extra High	2.9-2.9	596-654	1000	278	14.3-20.9	140-205	74	68	48	37-39	45-47	72
			High	2.5-2.5	526-578	900	250	11.2-17.3	110-170	76	69	50	35-37	42-45	
			Low	1.6-1.7	336-390	650-700	181-194	6.1-10.2	60-100	79-79	73-72	56-54	28-30	34-37	
LGH-200RX ₃ -CAN	1-Phase 208 - 230	60	Extra High	5.7-5.7	1200-1290	2000	556	11.7-20.4	115-200	73	68	48	39-41	50-52	179
			High	5.1-5.1	1058-1161	1800	500	9.2-16.3	90-160	75	69	50	37-39	47-49	
			Low	3.3-3.4	682-786	1250-1350	347-375	4.6-9.2	45-90	79-78	74-73	56-55	30-32	39-41	

2. Dimensions



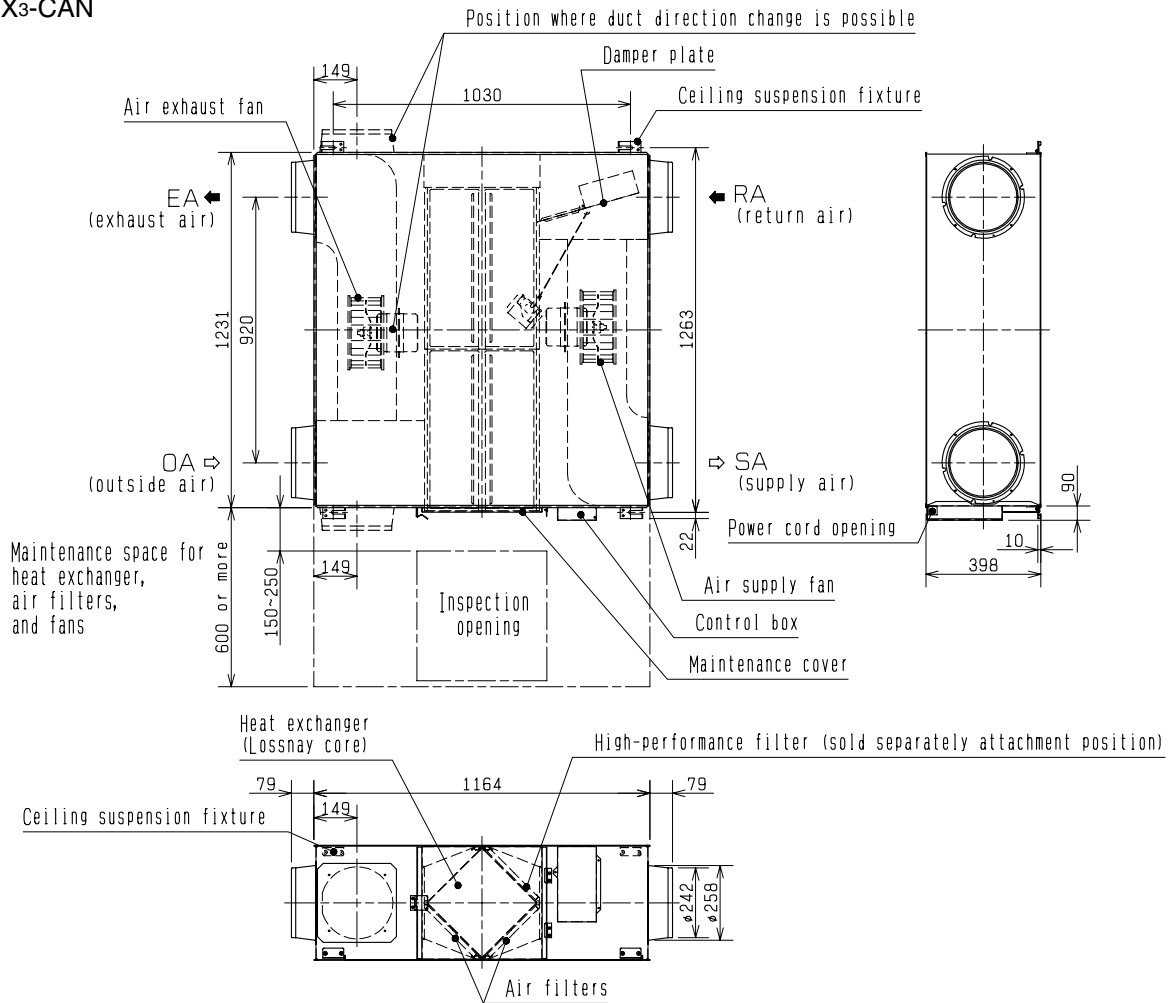
※ Attention

1. If condensation is expected to form, heat up the fresh outside air using a duct heater, etc.
2. An inspection port (450×450-600×600mm) must be installed on the filter and Lossnay core removing side.
3. The two outdoor ducts must be covered with heat-insulating material in order to prevent condensation from forming. The two indoor ducts may be covered with heat-insulating if Lossnay is to be installed in the circumstance of higher temperature in summer.
4. Installing the duct damper is preferred also to prevent the outdoor air introduced to room if there has strongthern wind, when the unit operates or stops.
5. The outside ducts must be tilted at a gradient (1/30 or more) down toward the outdoor area from Lossnay unit.

※Specifications may be subject to change without notice.

Unit (mm)

LGH-100RX3-CAN



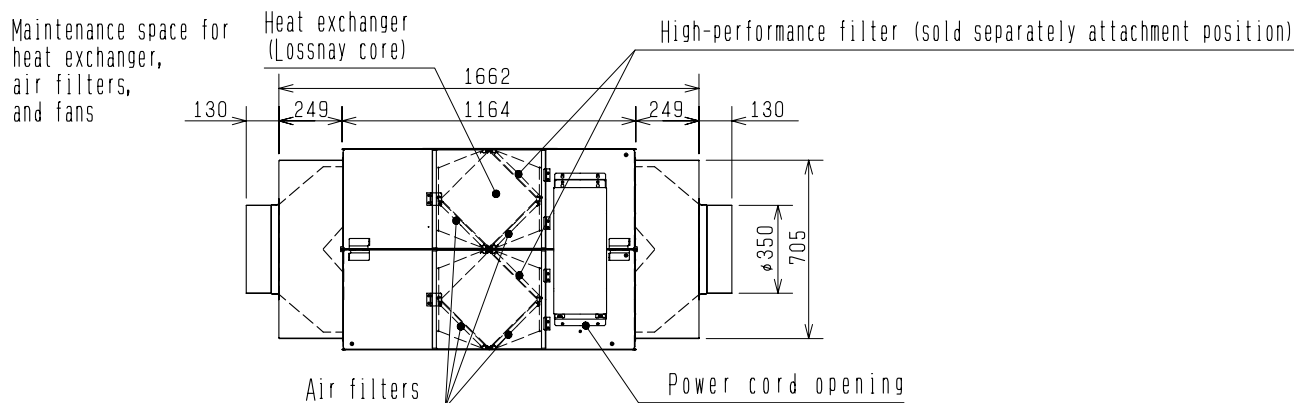
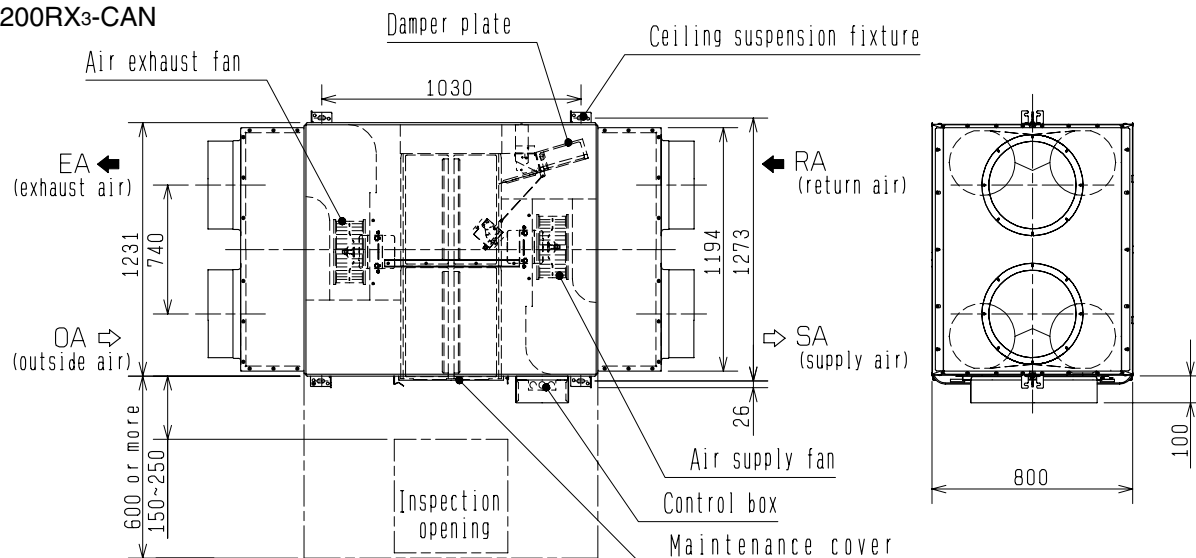
※ Attention

1. If condensation is expected to form, heat up the fresh outside air using a duct heater, etc.
2. An inspection port (450×450-600×600mm) must be installed on the filter and Lossnay core removing side.
3. The two outdoor ducts must be covered with heat-insulating material in order to prevent condensation from forming. The two indoor ducts may be covered with heat-insulating if Lossnay is to be installed in the circumstance of higher temperature in summer.
4. Installing the duct damper is preferred also to prevent the outdoor air introduced to room if there has strongthorn wind, when the unit operates or stops.
5. The outside ducts must be tilted at a gradient (1/30 or more) down toward the outdoor area from Lossnay unit.

※Specifications may be subject to change without notice.

Unit (mm)

LGH-200RX3-CAN



※ Attention

1. If condensation is expected to form, heat up the fresh outside air using a duct heater, etc.
2. An inspection port (450×450-600×600mm) must be installed on the filter and Lossnay core removing side.
3. The two outdoor ducts must be covered with heat-insulating material in order to prevent condensation from forming. The two indoor ducts may be covered with heat-insulating if Lossnay is to be installed in the circumstance of higher temperature in summer.
4. Installing the duct damper is preferred also to prevent the outdoor air introduced to room if there has strongthorn wind, when the unit operates or stops.
5. The outside ducts must be tilted at a gradient (1/30 or more) down toward the outdoor area

※Specifications may be subject to change without notice.

Unit (mm)

3. Wiring diagrams

LGH-50RX3-CAN, LGH-100RX3-CAN

- NOTE 1. TM1, TM2, TM3, TB5 shown in dotted lines are field work.
2. Breaker should be provided by the customer.
3. Be sure to connect the grounding wire.

■Symbol explanation

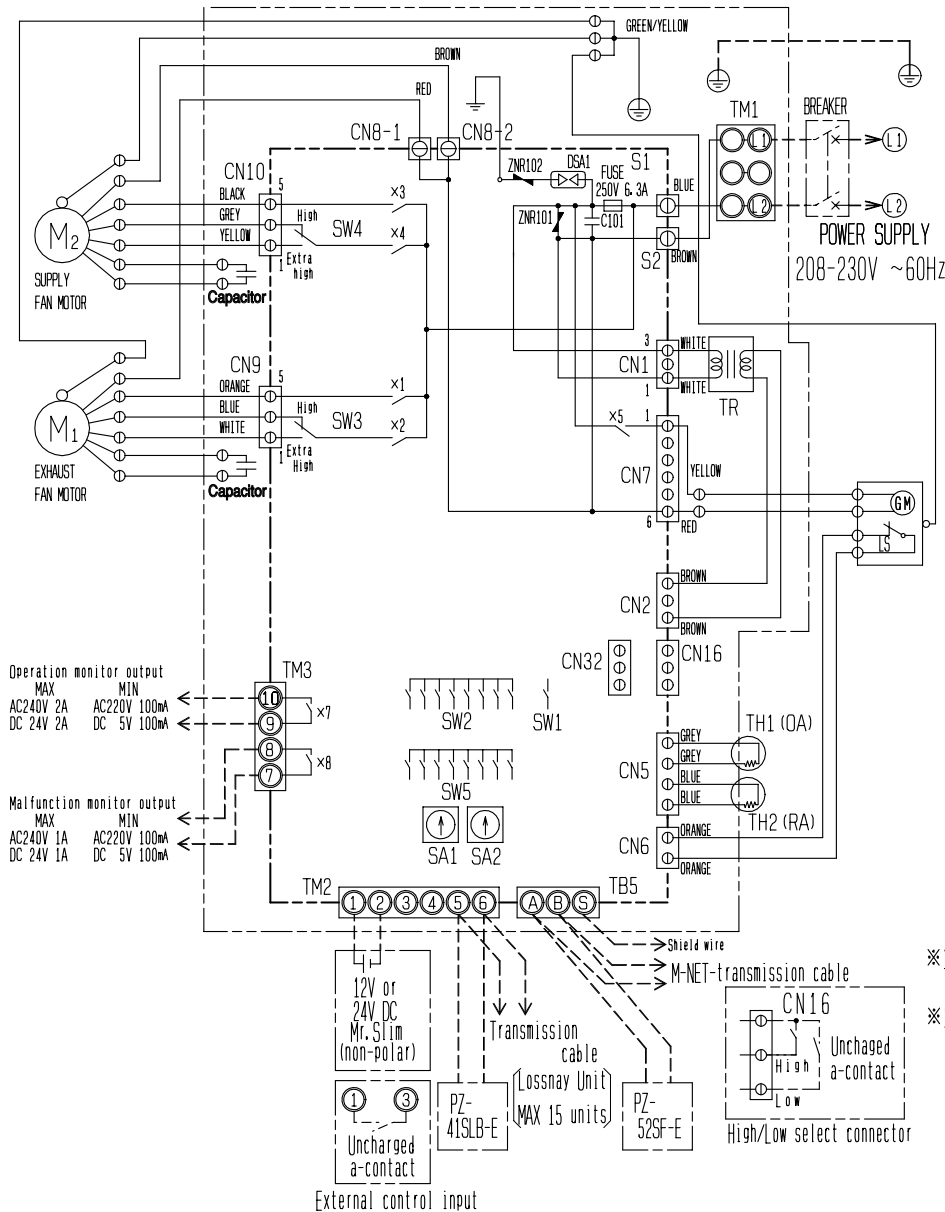
- M1 :Motor for exhaust fan
M2 :Motor for supply fan
C :Capacitor
GM :Motor for Bypass movement
LS :Microswitch
TH1:Thermistor for outside air
TH2:Thermistor for return air
SW1:Switch(Main/sub change)
SW2,5:Switch(Function selection)
SW3:High/E. high select switch (Exhaust fan)
SW4:High/E. high select switch (Supply fan)
TM1:Terminal block(Power supply)
TM2:Terminal block (Transmission cable and external control input)
TM3:Terminal block(Monitor output)
TB5:Terminal block
※1 (M-NET Transmission cable)
S1, S2:Connector(Power supply)
TR:Control circuit transformer
X7 :Relay contact(For operation monitor output)
X8 :Relay contact(For malfunction monitor output)
CN1:Connector(Transformer primary)
CN2:Connector(Transformer secondary)
CN5:Connector(Thermistor)
CN6:Connector(Microswitch)
CN7:Connector(Motor for Bypass operation)
CN8-1:Tab connector(Fan motor)
CN8-2:Tab connector(Fan motor)
CN9:Connector(Fan motor)
CN10:Connector(Fan motor)
CN16:Connector(High/Low switch)
CN32:Connector (Remote control selection)
※1 SA1:Address setting rotary switch (10 digit)
※1 SA2:Address setting rotary switch (1 digit)

MARK

⊙:Indicates terminal block.

⊙:Connector.

⊠:Board insertion connector or fastening connector of control board.



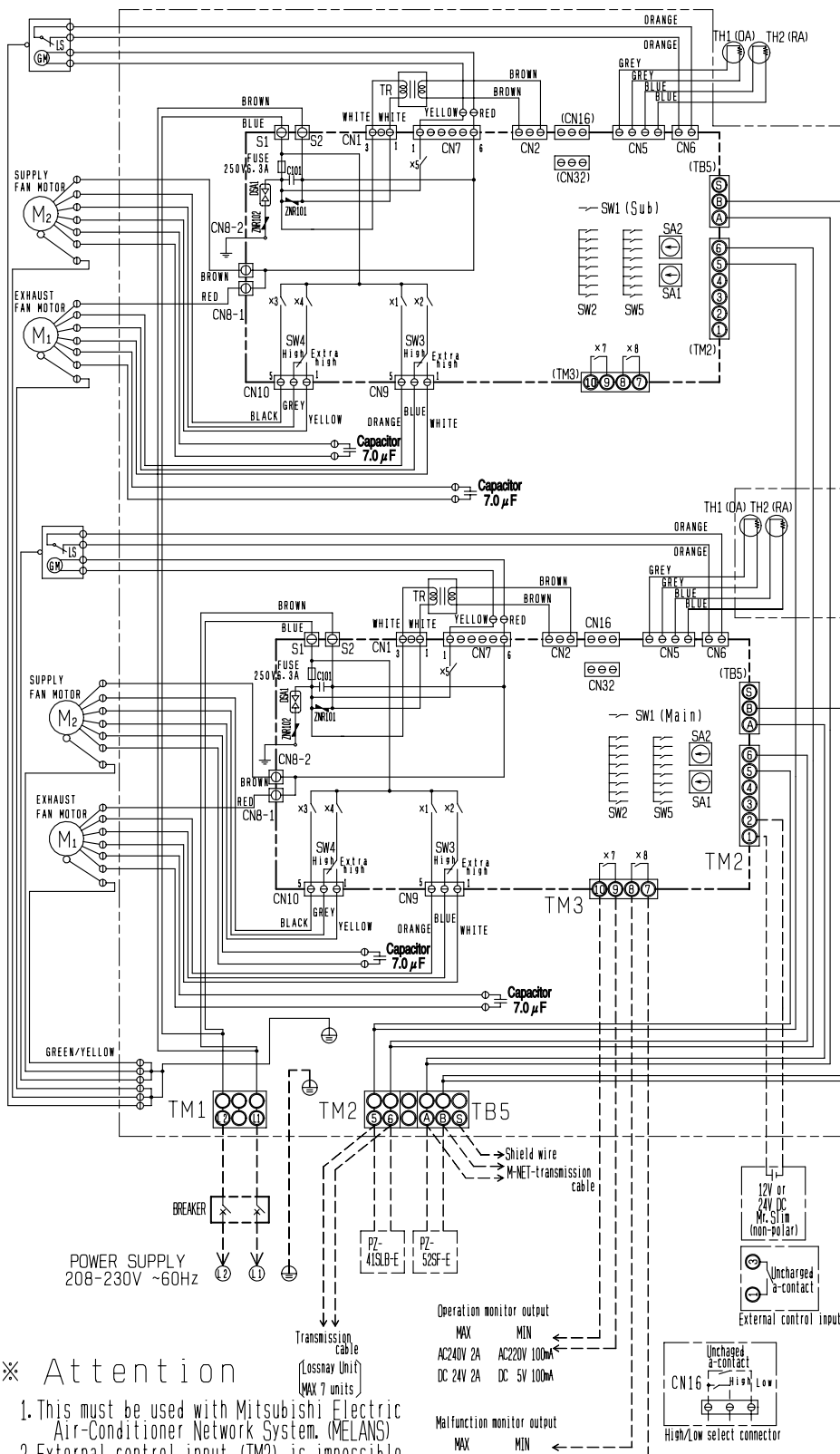
※ Attention

1. This must be used with Mitsubishi Electric Air-Conditioner Network System. (MELANS)
2. External control input (TM2) is impossible to use on the Lossnay addressed to "Sub" (SW1) unit.
3. PZ-41SLB-E and PZ-52SF-E cannot be used simultaneously.

Model	Capacitor(μF)
LGH-50RX3-CAN	4.0
LGH-100RX3-CAN	7.0

LGH-200RX3-CAN

- NOTE 1.TM1,TM2,TM3,TB5 shown in dotted lines are field work.
 2.Breaker should be provided by the customer.
 3.Be sure to connect the grounding wire.



■Symbol explanation

- M1 :Motor for exhaust fan
 M2 :Motor for supply fan
 C :Capacitor
 GM :Motor for Bypass movement
 LS :Microswitch
 TH1:Thermistor for outside air
 TH2:Thermistor for return air
 SW1:Switch(Main/sub change)
 SW2,5:Switch(Function selection)
 SW3:High/E. high select switch
 (Exhaust fan)
 SW4:High/E. high select switch
 (Supply fan)
 TM1:Terminal block(Power supply)
 TM2:Terminal block
 (Transmission cable and
 external control input)
 TM3:Terminal block(Monitor output)
 ※1 TB5:Terminal block
 (M-NET Transmission cable)
 S1,S2:Connector(Power supply)
 TR:Control circuit transformer
 X7 :Relay contact(For operation
 monitor output)
 X8 :Relay contact(For malfunction
 monitor output)
 CN1:Connector(Transformer primary)
 CN2:Connector(Transformer secondary)
 CN5:Connector(Thermistor)
 CN6:Connector(Microswitch)
 CN7:Connector(Motor for Bypass
 operation)
 CN8-1:Tab connector(Fan motor)
 CN8-2:Tab connector(Fan motor)
 CN9:Connector(Fan motor)
 CN10:Connector(Fan motor)
 CN16:Connector(High/Low switch)
 CN32:Connector
 (Remote control selection)
 ※1 SA1:Address setting rotary switch
 (10 digit)
 ※1 SA2:Address setting rotary switch
 (1 digit)
 MARK ○:Indicates terminal block
 □:Connector
 □:Board insertion
 connector or fastening
 connector of control board

※ Attention

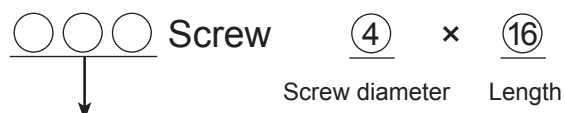
- 1.This must be used with Mitsubishi Electric
 Air-Conditioner Network System. (MELANS)
 2.External control input (TM2) is impossible
 to use on the Lossnay addressed to "Sub"
 (SW1) unit.
 3.PZ-41SLB-E and PZ-52SF-E cannot be used simultaneously.

4. Parts list

Please note the following when using the parts list.

1. When ordering parts, always indicate the part number, part name, and the number of parts required.
2. It may take time for you to receive the parts. Make an inquiry about a rush order.
3. No further notice if the specification changes.
4. Parts marked with ⚠ and ■ are critical for safety.
5. To maintain safety and performance, always replace the parts with the parts prescribed.
6. The numbers that are circled in the exploded view are the same as the reference number for the part being indicated.
7. When replacing the parts to which the nameplate is attached, remove the nameplate and attach it to the new parts.

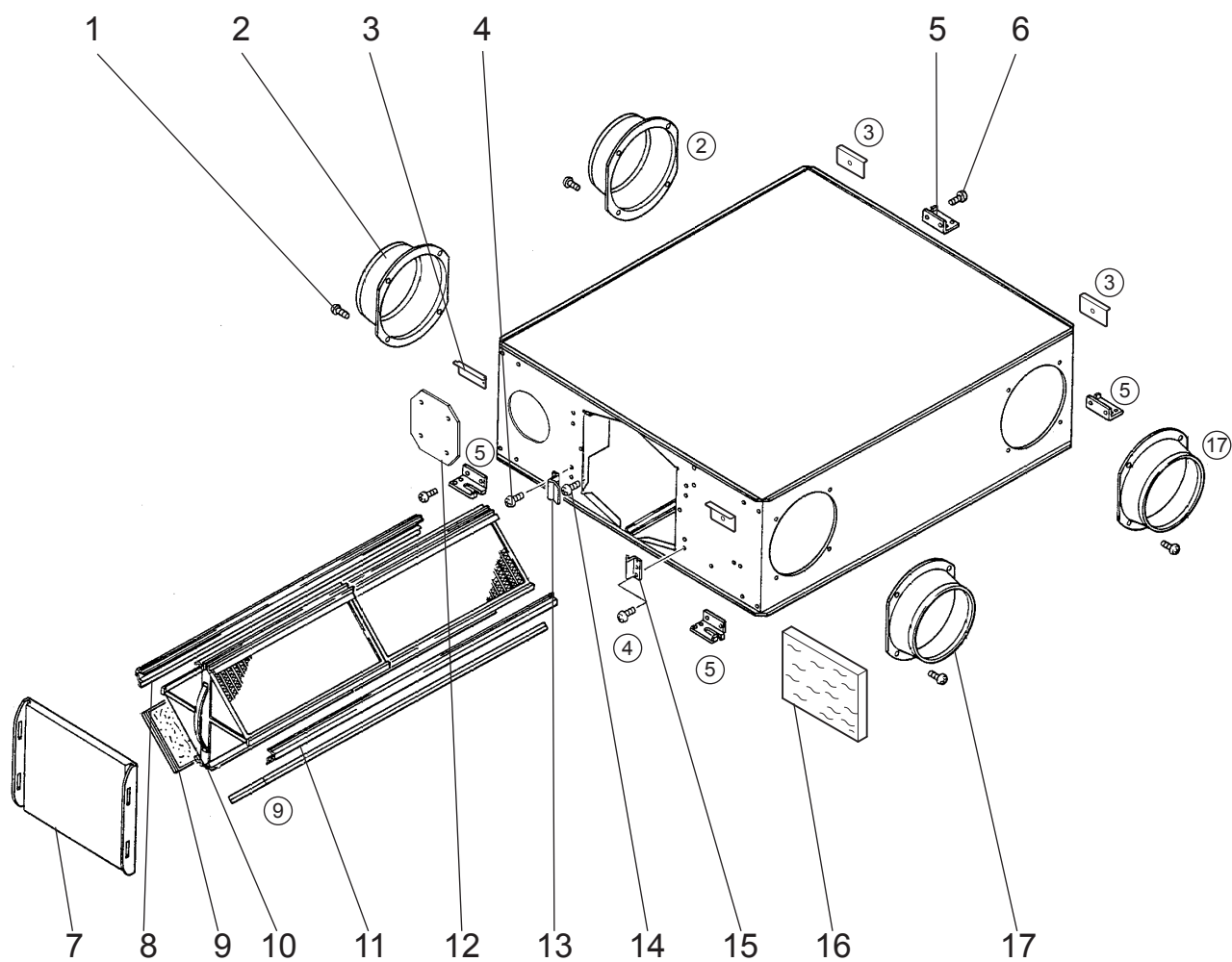
Description of screw abbreviations



Abbreviation	Description
PC screw	Cross recess flat head machine screw
PRC screw	Cross recess oval head machine screw
PP screw	Cross recess pan head machine screw
SW · PP screw	Cross recess pan head screw with spring washer
PPT screw	Cross recess tapping screw
PCT screw	Cross recess flat head tapping screw
PTT screw	Cross recess truss head tapping screw
PT screw	Cross recess truss head machine screw
SET screw	Slotted head stop screw
SQ · SET screw	Square head stop screw
P · SET screw	Pan head stop screw
PMT screw	Primer truss head screw
HS · SET screw	Hexagon head stop screw
P · R · W screw	Cross recess round wood screw
P · C · W screw	Cross recess flat head wood screw
P · R · C · W screw	Cross recess round and flat wood screw
R · W screw	Slotted round wood screw
PW · PP screw	Cross recess pan head screw with small washer
SW-PW · PP screw	Cross recess pan head machine screw with spring washer and flat washer

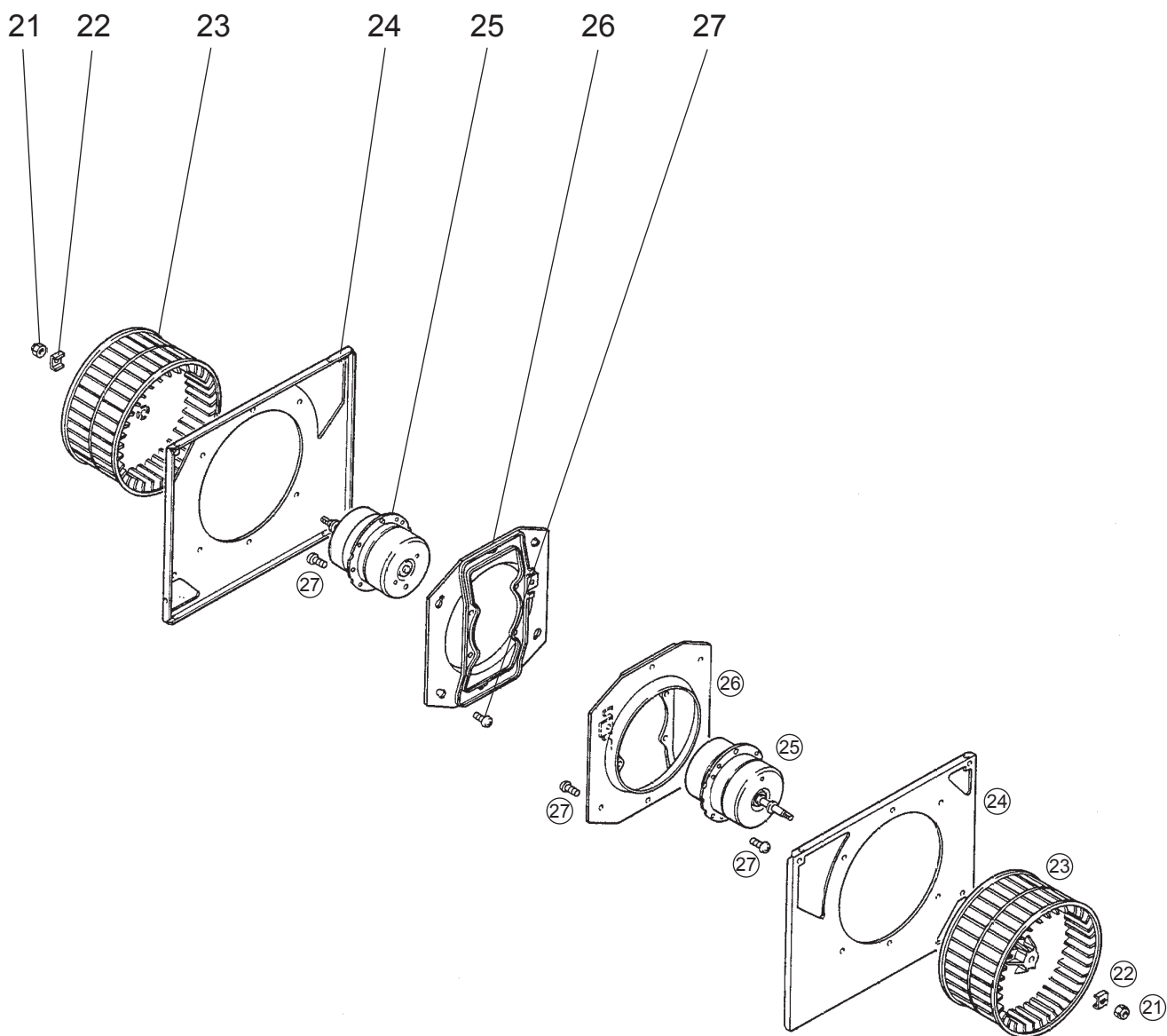
LGH-50RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x6	H00 312 007	23		
2	Flange	R50 028 610	4		
3	Hanger cover	Y50 061 704	4		
4	PTT screw 4x8	H00 000 487	36		
5	Hanger	R50 091 380	4		
6	PT screw 5x12	H00 000 583	8		
7	Maint. cover	Y50 062 707	1		
8	Core guide	R50 216 381	1		
9	Filter	Y50 062 718	2	⚠	
10	Lossnay core	R50 216 710	2	⚠	
11	Core guide	R50 263 381	1		
12	Cover	R50 351 708	2		
13	Hinge	R50 213 344	1		
14	Spl screw 4x11	M34 074 017	1		
15	Fix piece	Y50 029 712	1		
16	Sound absorber	R50 351 717	1	⚠	SA
17	Flange	R50 429 609	2		



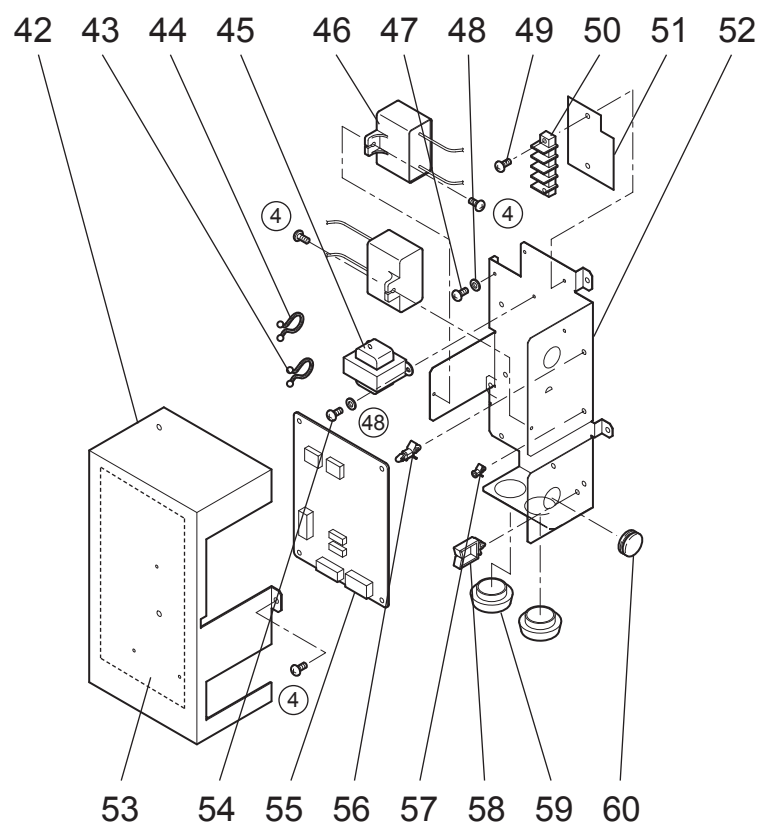
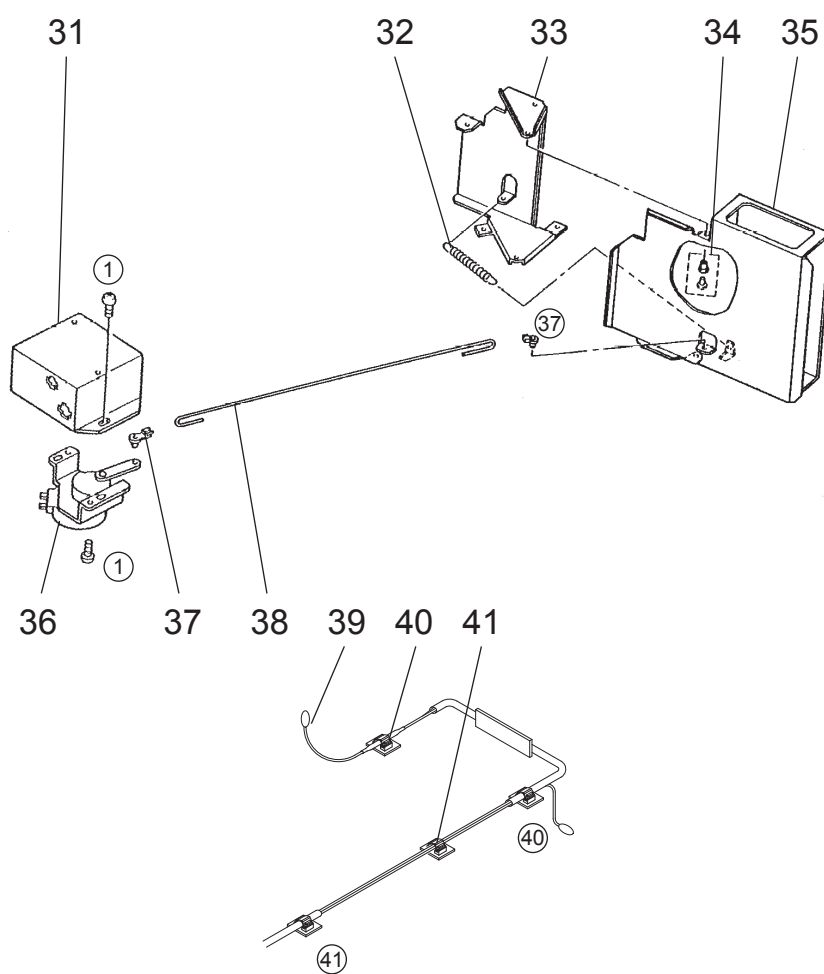
LGH-50RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Special nut (8)	R50 331 067	2		Left-handed
22	Tab washer	M34 398 077	2		
23	Centrifugal fan	R50 351 480	2	⚠	φ 220
24	Fan base	R50 478 707	2		
25	Motor	Y50 062 452	1	⚠	
26	Motor fix plate	R50 351 713	2		
27	PTT screw 5x10	H00 189 007	16		



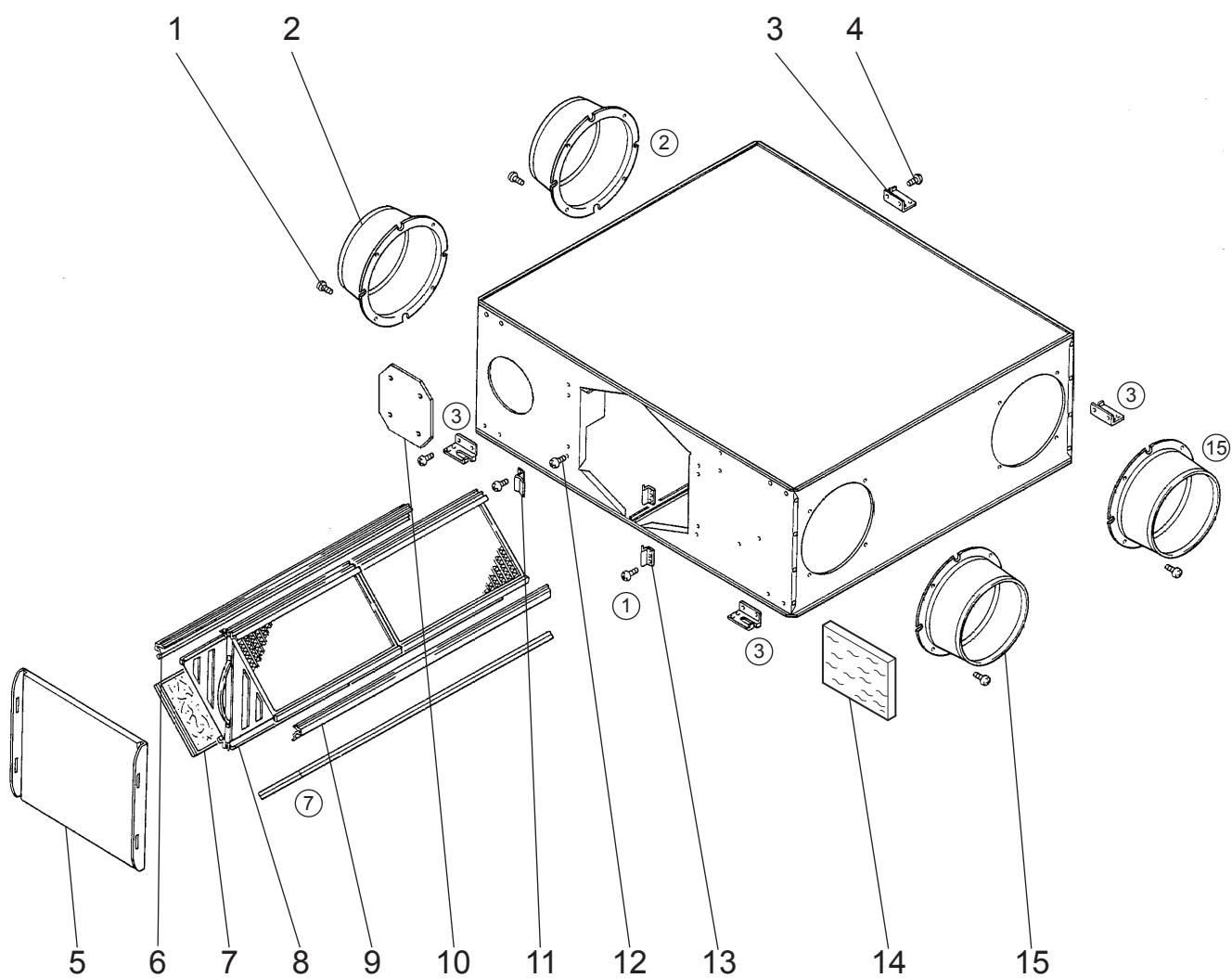
LGH-50RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
31	Motor cover	Y50 061 693	1		
32	Pull spring	R50 069 156	1		
33	Damper support	R50 472 716	1		
34	Special bush	M31 234 089	2		
35	Damper	R50 472 715	1		
36	Damper motor	Y50 061 260	1	⚠	AC220・240V
37	Special bush	R50 054 225	2		
38	Rod	R50 232 150	1		
39	Thermistor	Y50 110 215	1	⚠	
40	Cord clip	R50 399 223	2		
41	Cord clip	R50 399 224	3		
42	Control cover	Y50 061 706	1		
43	Cord band	K83 170 228	1		White
44	Cord band	M45 017 228	1		Black
45	Transformer	Y50 047 216	1	⚠	AC230V
46	Capacitor	Y50 091 235	2	⚠	4.0μF・440VAC
47	PT screw 4x8 BS	H00 011 008	2		
48	Lock washer (4)	H00 013 076	3		
49	PPT screw 4x12	H00 154 005	2		
50	Terminal block	K81 432 236	1	⚠	3P
51	Insulator plate	Y50 110 226	1		
52	PCB fix plate	Y50 061 708	1		
53	Wiring diagram	Y50 110 361	1		
54	PP screw 4x8	H00 000 003	2		
55	Circuit board	Y50 061 171	1	⚠	LG-X01-E
56	Support piece	H00 605 095	4		
57	Support piece	H00 605 096	3		
58	Cord clip	M35 164 224	1		
59	Bush	Y50 047 226	2		
60	Bush	K83 223 225	1		



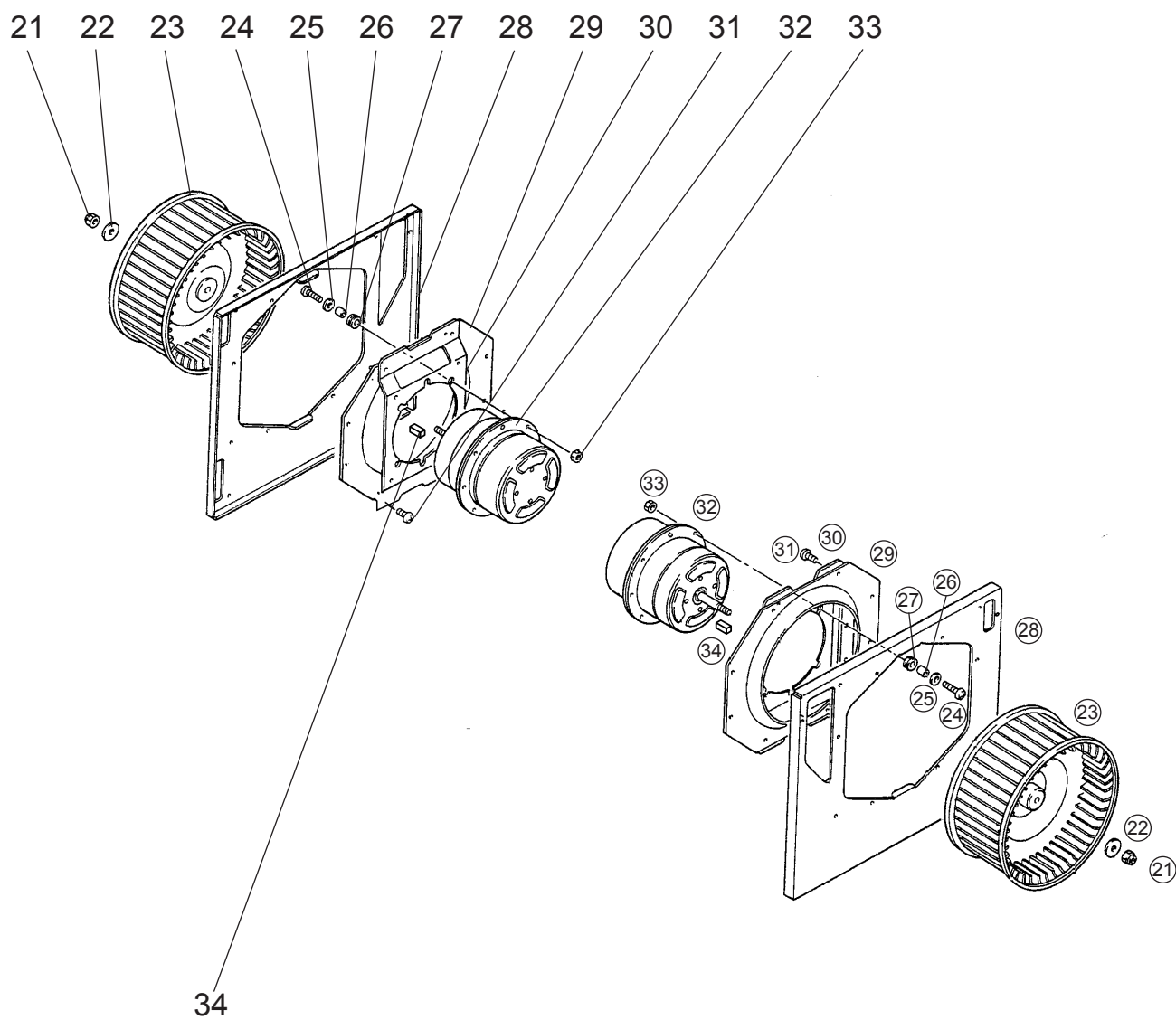
LGH-100RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x8	H00 000 487	64		
2	Flange	R50 430 609	2		
3	Hanger	R50 095 380	4		
4	PT screw 6x12	H00 000 244	16		
5	Maint. cover	Y50 039 707	1		
6	Core guide	R50 219 381	1		
7	Filter	Y50 063 718	2	⚠	
8	Lossnay core	R50 219 710	2	⚠	
9	Core guide	R50 266 381	1		
10	Cover	R50 358 704	2		
11	Hinge	R50 213 344	1		
12	Spl screw 4x11	M34 074 017	1		
13	Fix piece	Y50 029 712	2		
14	Sound absorber	R50 358 717	1	⚠	
15	Flange	Y50 021 609	2		



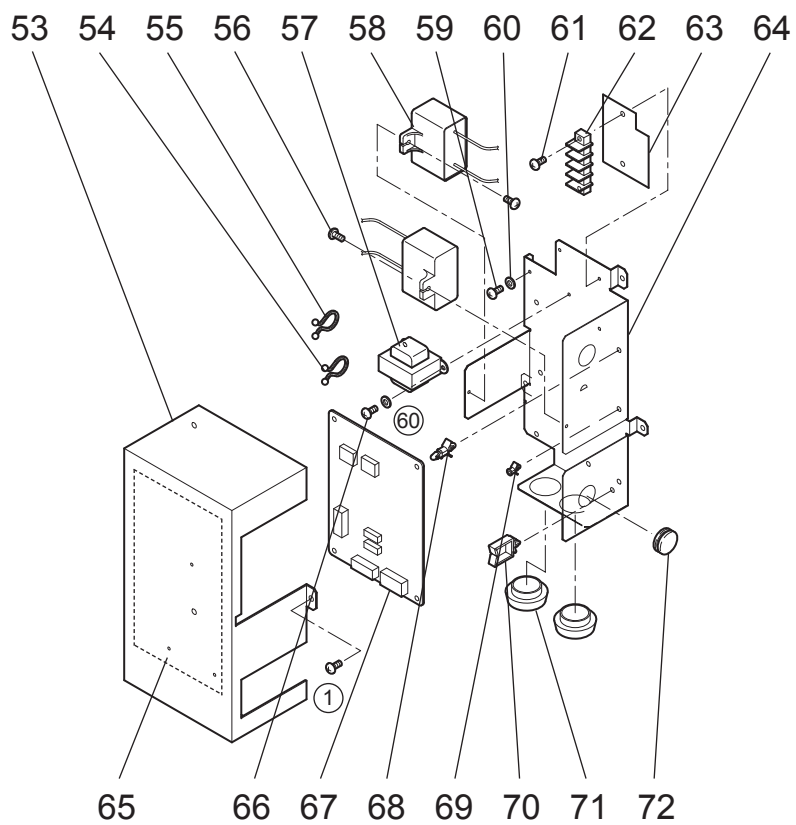
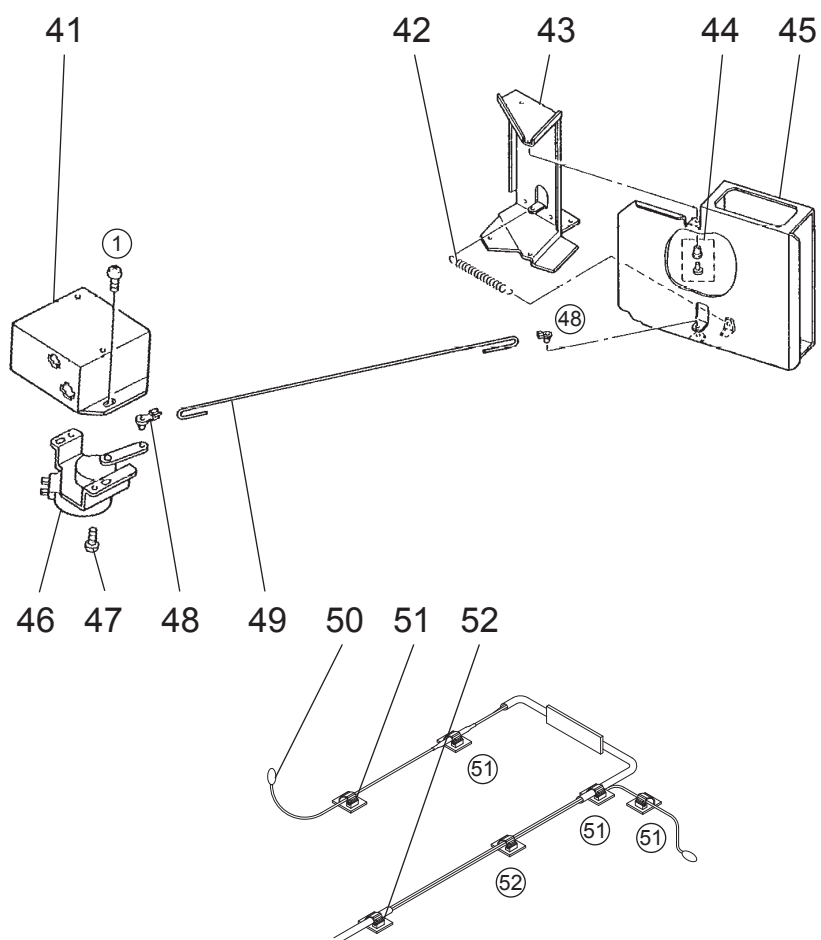
LGH-100RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Special nut (M12)	R50 218 067	2		Left-handed
22	Washer (12)	K83 466 113	2		
23	Centrifugal fan	R50 479 480	2	⚠	φ 245
24	PT screw 6x20	H00 157 008	8		
25	Spl washer (6)	M34 043 080	8		
26	Spacer	R50 000 095	8		
27	Bush	R50 217 225	8		
28	Fan base	R50 480 707	2		
29	Inlet ring	R50 264 711	2		
30	Motor fix plate	R50 218 712	2		
31	PTT screw 5x10	H00 189 007	16		
32	Motor	Y50 063 453	2	⚠	
33	Nut (M6)	H00 061 050	8		
34	Key	Y50 033 104	2		5x5x11.5



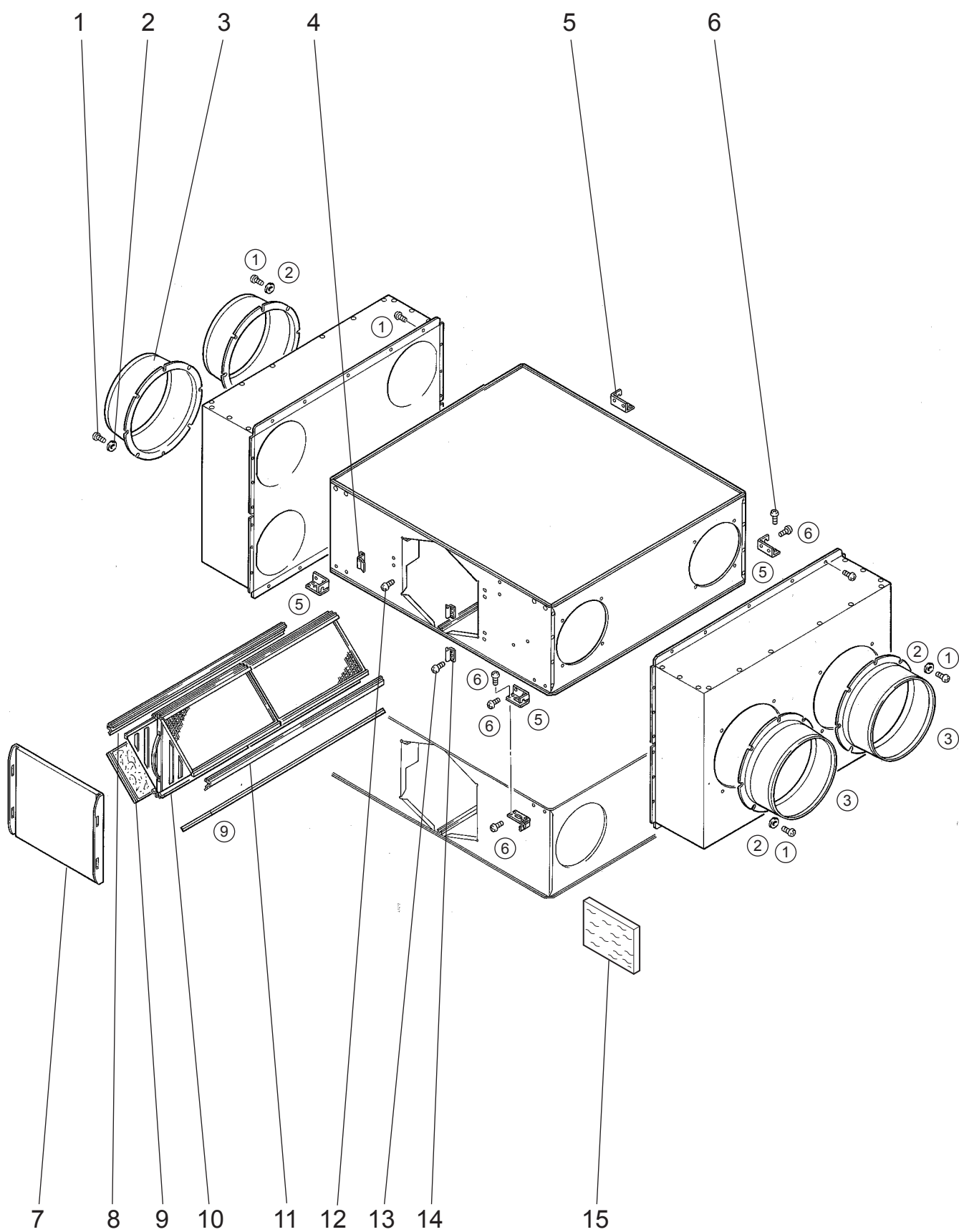
LGH-100RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
41	Motor cover	Y50 061 693	1		
42	Pull spring	R50 074 156	1		
43	Damper support	R50 473 715	1		
44	Special bush	M31 234 089	2		
45	Damper	R50 473 716	1		
46	Damper motor	Y50 061 260	1	⚠	AC220・240V
47	PTT screw 4x6	H00 312 007	2		
48	Special bush	R50 054 225	2		
49	Rod	R50 265 150	1		
50	Thermistor	Y50 111 215	1	⚠	
51	Cord clip	R50 399 223	5		
52	Cord clip	R50 399 224	3		
53	Control cover	Y50 061 706	1		
54	Cord band	K83 170 228	1		White
55	Cord band	M45 017 228	1		Black
56	PTT screw 4x8	H00 000 487	2		
57	Transformer	Y50 047 216	1	⚠	AC230V
58	Capacitor	Y50 092 235	2	⚠	7.0μF・440VAC
59	PT screw 4x8 BS	H00 011 008	2		
60	Lock washer (4)	H00 013 076	3		
61	PPT screw 4x12	H00 154 005	2		
62	Terminal block	K81 432 236	1	⚠	3P
63	Insulator plate	Y50 110 226	1		
64	PCB fix plate	Y50 061 708	1		
65	Wiring diagram	Y50 110 361	1		
66	PP screw 4x8	H00 000 003	2		
67	Circuit board	Y50 061 171	1	⚠	LG-X01-E
68	Support piece	H00 605 095	4		
69	Support piece	H00 605 096	3		
70	Cord clip	M35 164 224	1		
71	Bush	Y50 047 226	2		
72	Bush	K83 223 225	1		



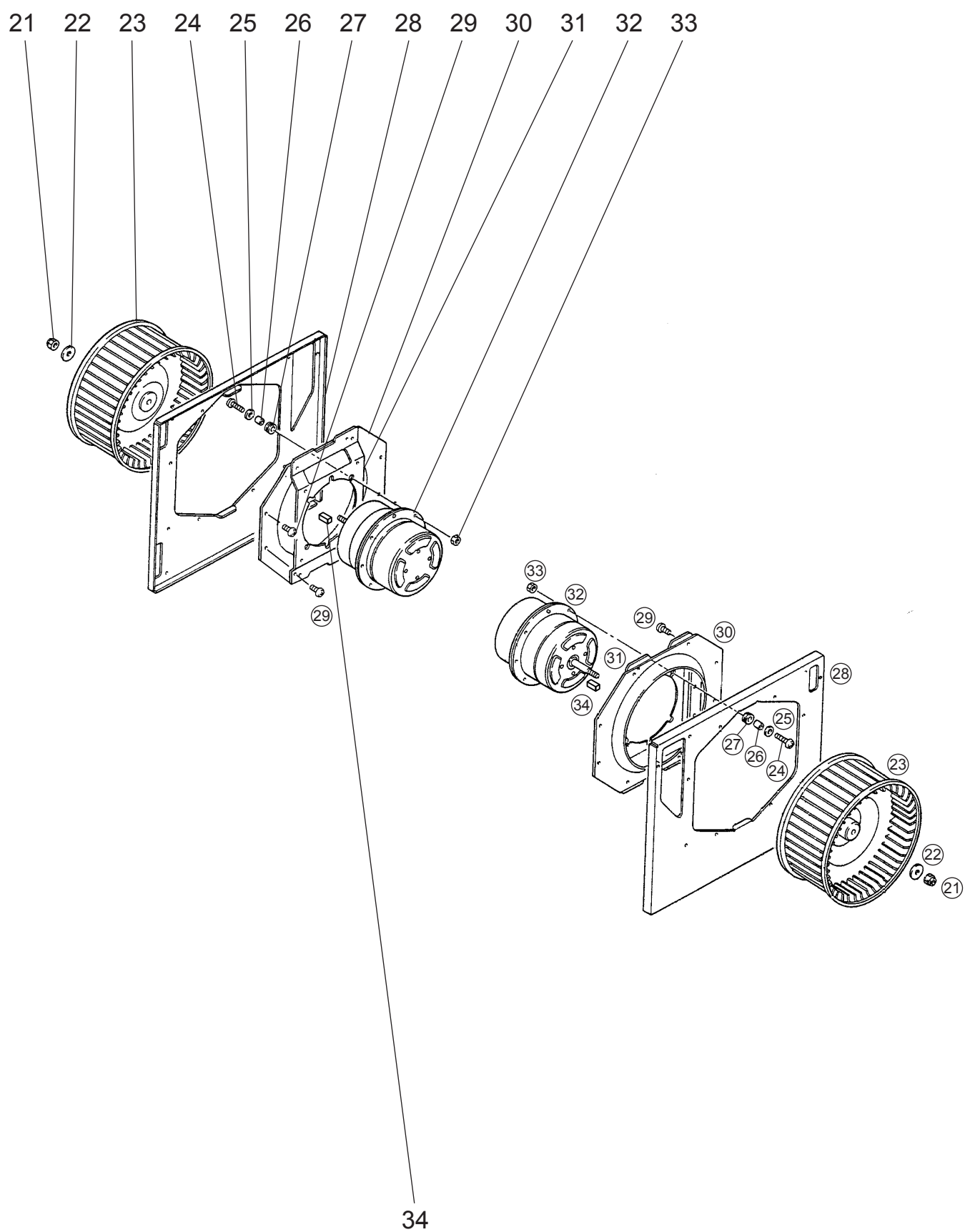
LGH-200RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
1	PTT screw 4x14	H00 000 333	32		
2	Special washer (4.2)	H00 479 081	32		
3	Flange	R50 220 607	4		
4	Hinge	R50 213 344	2		
5	Hanger	R50 111 381	8		
6	PT screw 6x12	H00 000 244	40		
7	Maint. cover	Y50 039 707	2		
8	Core guide	R50 219 381	2		
9	Filter	Y50 063 718	4	⚠	
10	Lossnay core	R50 219 710	4	⚠	
11	Core guide	R50 266 381	2		
12	Spl screw 4x11	M34 074 017	2		
13	PTT screw 4x8	H00 000 487	74		
14	Fix piece	Y50 029 712	4		
15	Sound absorber	R50 358 717	2	⚠	



LGH-200RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
21	Special nut (M12)	R50 218 067	4		Left-handed
22	Washer (12)	K83 466 113	4		
23	Centrifugal fan	R50 479 480	4	⚠	φ 245
24	PT screw 6x20	H00 157 008	16		
25	Spl washer (6)	M34 043 080	16		
26	Spacer	R50 000 095	16		
27	Bush	R50 217 225	16		
28	Fan base	R50 480 707	4		
29	PTT screw 5x10	H00 189 007	32		
30	Inlet ring	R50 264 711	4		
31	Motor fix plate	R50 218 712	4		
32	Motor	Y50 063 453	4	⚠	
33	Nut (M6)	H00 061 050	16		
34	Key	Y50 033 104	4		5x5x11.5



LGH-200RX3-CAN

No.	Name of part	Parts No.	Q'ty pcs/unit	Critical for safety	Remarks
41	Motor cover	Y50 061 693	2		
42	Pull spring	R50 074 156	2		
43	Damper support	R50 473 715	2		
44	Special bush	M31 234 089	4		
45	Damper	R50 473 716	2		
46	Damper motor	Y50 061 260	2	⚠	AC220・240V
47	PTT screw 4x6	H00 312 007	4		
48	Special bush	R50 054 225	4		
49	Rod	R50 265 150	2		
50	Thermistor	Y50 112 215	2	⚠	
51	Cord clip	R50 399 223	10		
52	Cord clip	R50 399 224	6		
53	Control cover	Y50 045 707	1		
54	Cord band	K83 170 228	2		White
55	Capacitor	Y50 092 235	4	⚠	7.0μF・440VAC
56	PP screw 4x8	H00 000 003	5		
57	Lock washer (4)	H00 013 076	5		
58	Transformer	Y50 047 216	2	⚠	AC230V
59	Support piece	H00 605 096	6		
60	Cord clip	M35 164 224	8		
61	Control base	Y50 112 706	1		
62	PT screw 4x8 BS	H00 011 008	2		
63	Support piece	H00 605 095	8		
64	Wiring diagram	Y50 112 361	1		
65	Terminal block	K81 432 236	1	⚠	3P
66	PPT screw 4x12	H00 154 005	4		
67	Insulator plate	Y50 110 226	1		
68	Terminal block	K81 429 236	1	⚠	6P
69	Cord clip	H00 479 230	2		
70	Bush	Y50 047 226	3		
71	Hanger (cord)	Y50 064 707	1		
72	Circuit board	Y50 061 171	2	⚠	LG-X01-E

