



MULTI VRF INDOOR UNIT SERVICE MANUAL

**T1/R410A/50Hz
(GC201108- I)**

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PRODUCT


PRODUCT

1 MODELS LIST


1.1 Four-way Cassette Type Indoor Unit

Model Name	Product Code	Cooling Capacity(kW)	Heating Capacity(kW)	Power supply	Type
GMV-R28T/Na-K	EM503N0091	2.8	3.2	220-240V 1Ph~50Hz	
GMVL-R28T/Na-K	EM503N0101		/		
GMV-R36T/Na-K	EM501N0151	3.6	4.0		
GMVL-R36T/Na-K	EM501N0161		/		
GMV-R45T/Na-K	EM503N0081	4.5	5.0		
GMVL-R45T/Na-K	EM503N0111		/		
GMV-R50T/Na-K	EM501N0171	5.0	5.8		
GMVL-R50T/Na-K	EM501N0181		/		
GMV-R56T/Na-K	EM503N0121	5.6	6.3		
GMVL-R56T/Na-K	EM503N0131		/		
GMV-R63T/Na-K	CM501N0011	6.3	7.0		
GMVL-R63T/Na-K	CM501N0021		/		
GMV-R71T/Na-K	EM501N0131	7.1	8.0		
GMVL-R71T/Na-K	EM501N0141		/		
GMV-R80T/Na-K	CM501N0031	8.0	8.8		
GMVL-R80T/Na-K	CM501N0041		/		
GMV-R90T/Na-K	EM501N0091	9.0	10.0		
GMVL-R90T/Na-K	EM501N0101		/		
GMV-R100T/Na-K	CM501N0051	10.0	11.0		
GMVL-R100T/Na-K	CM501N0061		/		
GMV-R112T/Na-K	EM501N0111	11.2	12.5		
GMVL-R112T/Na-K	EM501N0121		/		
GMV-R125T/Na-K	CM501N0071	12.5	13.5		
GMVL-R125T/Na-K	CM501N0081		/		
GMV-R140T/Na-K	CM501N0091	14.0	14.5		
GMVL-R140T/Na-K	CM501N0101		/		


1.2 Four-way Cassette Compact Panel Type Indoor Unit

Model Name	Product Code	Cooling Capacity(kW)	Heating Capacity(kW)	Power supply	Type
GMV-R22T/NaA-K	CM500N0100	2.2	2.5	220-240V 1Ph~50Hz	
GMVL-R22T/NaA-K	CM500N0140		/		
GMV-R28T/NaA-K	CM500N0110	2.8	3.2		
GMVL-R28T/NaA-K	CM500N0150		/		
GMV-R36T/NaA-K	CM500N0120	3.6	4.0		
GMVL-R36T/NaA-K	CM500N0160		/		
GMV-R45T/NaA-K	CM500N0130	4.5	5.0		
GMVL-R45T/NaA-K	CM500N0170		/		

1.3 One-way Cassette Type Indoor Unit

Model Name	Product Code	Cooling Capacity(kW)	Heating Capacity(kW)	Power supply	Type
GMV-R22Td/Na-K	CM502N0010	2.2	2.5	220-240V 1Ph~50Hz	
GMVL-R22Td/Na-K	CM502N0020		/		
GMV-R28Td/Na-K	CM502N0030	2.8	3.2		
GMVL-R28Td/Na-K	CM502N0040		/		
GMV-R36Td/Na-K	CM502N0050	3.6	4.0		
GMVL-R36Td/Na-K	CM502N0060		/		


1.4 Duct Type Indoor Unit

Model Name	Product Code	Cooling Capacity(kW)	Heating Capacity(kW)	Power supply	Type
GMV-R22P/NaB-K	CM800N0370	2.2	2.5	220-240V 1Ph~50Hz	
GMVL-R22P/NaB-K	CM800N0920		/		
GMV-R28P/NaB-K	CM800N0390	2.8	3.2		
GMVL-R28P/NaB-K	CM800N0930		/		
GMV-R36P/NaB-K	CM800N0410	3.6	4.0		
GMVL-R36P/NaB-K	CM800N0940		/		
GMV-R45P/NaB-K	CM800N0430	4.5	5.0		
GMVL-R45P/NaB-K	CM800N0950		/		
GMV-R56P/NaB-K	CM800N0480	5.6	6.3		
GMVL-R56P/NaB-K	CM800N0530		/		
GMV-R71P/NaB-K	CM800N0490	7.1	8.0		
GMVL-R71P/NaB-K	CM800N0540		/		
GMV-R90P/NaB-K	CM800N0500	9.0	10.0		
GMVL-R90P/NaB-K	CM800N0550		/		
GMV-R112P/NaB-K	CM800N0510	11.2	12.5		
GMVL-R112P/NaB-K	CM800N0560		/		
GMV-R140P/NaB-K	CM800N0520	14.0	15.0		
GMVL-R140P/NaB-K	CM800N0570		/		
GMV-R22PS/NaB-K	CM800N2000	2.2	2.5		
GMVL-R22PS/NaB-K	CM800N2030		/		
GMV-R28PS/NaB-K	CM800N2010	2.8	3.2		
GMVL-R28PS/NaB-K	CM800N2040		/		
GMV-R36PS/NaB-K	CM800N2020	3.6	4.0		
GMVL-R36PS/NaB-K	CM800N2050		/		
GMV-R45PS/NaB-K	CM800N2060	4.5	5.0		
GMVL-R45PS/NaB-K	CM800N2120		/		
GMV-R56PS/NaB-K	CM800N2070	5.6	6.3		
GMVL-R56PS/NaB-K	CM800N2130		/		
GMV-R71PS/NaB-K	CM800N2080	7.1	8.0		
GMVL-R71PS/NaB-K	CM800N2140		/		
GMV-R90PS/NaB-K	CM800N2090	9.0	10.0		
GMVL-R90PS/NaB-K	CM800N2150		/		
GMV-R112PS/NaB-K	CM800N2100	11.2	12.5		
GMVL-R112PS/NaB-K	CM800N2160		/		
GMV-R140PS/NaB-K	CM800N2110	14.0	15.0		
GMVL-R140PS/NaB-K	CM800N2170		/		



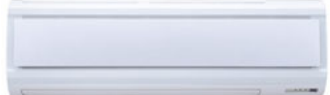

1.5 E-Series Duct Type Indoor Unit

Model Name	Product Code	Cooling Capacity(kW)	Heating Capacity(kW)	Power supply	Type
GMV-R22PS/NaE-K	CM800N3010	2.2	2.5	220-240V 1Ph~50Hz	
GMVL-R22PS/NaE-K	CM800N3060	2.2	/		
GMV-R28PS/NaE-K	CM800N3020	2.8	3.2		
GMVL-R28PS/NaE-K	CM800N3070	2.8	/		
GMV-R36PS/NaE-K	CM800N3030	3.6	4.0		
GMVL-R36PS/NaE-K	CM800N3080	3.6	/		
GMV-R45PS/NaE-K	CM800N3040	4.5	5.0		
GMVL-R45PS/NaE-K	CM800N3090	4.5	/		
GMV-R56PS/NaE-K	CM800N3050	5.6	6.3		
GMVL-R56PS/NaE-K	CM800N3100	5.6	/		
GMV-R71PS/NaE-K	CM800N3000	7.1	8.0		
GMVL-R71PS/NaE-K	CM800N3110	7.1	/		



1.6 B-Series Duct Type Indoor Unit

Model	Product Code	Cooling Capacity	Heating Capacity	Power Supply	Appearance
		kW	kW		
GMV-R224P/NaB-M	CM800N2200	22.4	25.0	380V~415V 3Ph-50Hz	
GMV-R280P/NaB-M	CM800N2220	28.0	31.0		

1.7 Wall Mounted Type Indoor Unit


Model	Product Code	Cooling Capacity	Heating Capacity	Power Supply	Appearance
		kW	kW		
GMV-R22G/NaB-K	EM100N0070	2.2	2.5	220-240V 1Ph 50Hz	
GMVL-R22G/NaB-K	EM100N0080		/		
GMV-R28G/NaB-K	EM100N0090	2.8	3.2		
GMVL-R28G/NaB-K	EM100N0100		/		
GMV-R36G/NaB-K	EM100N0110	3.6	4.0		
GMVL-R36G/NaB-K	EM100N0120		/		
GMV-R45G/NaB-K	EM100N0130	4.5	5		
GMVL-R45G/NaB-K	EM100N0140		/		
GMV-R50G/NaB-K	CM100N0020	5.0	5.8		
GMVL-R50G/NaB-K	CM100N0040		/		
GMV-R56G/NaB-K	CM100N0010	5.6	6.3		
GMVL-R56G/NaB-K	CM100N0050		/		
GMV-R22G/NaC-K	EM100N0270	2.2	2.5		
GMVL-R22G/NaC-K	EM100N0280		/		
GMV-R28G/NaC-K	EM100N0290	2.8	3.2		
GMVL-R28G/NaC-K	EM100N0300		/		
GMV-R36G/NaC-K	EM100N0310	3.6	4.0		
GMVL-R36G/NaC-K	EM100N0320		/		
GMV-R45G/NaC-K	EM100N0330	4.5	5.0		
GMVL-R45G/NaC-K	EM100N0340		/		
GMV-R71G/Na-K	CM100N0030	7.1	8.0		
GMVL-R71G/Na-K	CM100N0060		/		
GMV-R80G/Na-K	CM100N0080	8.0	9.0		
GMVL-R80G/Na-K	CM100N0070		/		
GMV-R22G/NaG-K	CM100N0220	2.2	2.5		
GMVL-R22G/NaG-K	CM100N0380		/		
GMV-R28G/NaG-K	CM100N0240	2.8	3.2		
GMVL-R28G/NaG-K	CM100N0400		/		
GMV-R36G/NaG-K	CM100N0270	3.6	4.0		
GMVL-R36G/NaG-K	CM100N0420		/		
GMV-R45G/NaG-K	CM100N0280	4.5	5.0		
GMVL-R45G/NaG-K	CM100N0440		/		
GMV-R50G/NaG-K	CM100N0260	5.0	5.8		
GMVL-R50G/NaG-K	CM100N0460		/		
GMV-R56G/NaG-K	CM100N0330	5.6	6.3		
GMVL-R56G/NaG-K	CM100N0480		/		
GMV-R63G/NaG-K	CM100N0340	6.3	7.0		
GMVL-R63G/NaG-K	CM100N0500		/		
GMV-R71G/NaG-K	CM100N0320	7.1	8.0		
GMVL-R71G/NaG-K	CM100N0520		/		

1.8 Floor Ceiling Type Indoor Unit


Model	Product Code	Cooling Capacity	Heating Capacity	Power Supply	Appearance
		kW	kW		
GMV-R28Zd/NaB-K	CM600N0170	2.8	3.2	220-240V 1Ph-50Hz	
GMV-R36Zd/NaB-K	CM600N0180	3.6	4.0		
GMV-R50Zd/NaB-K	CM600N0190	5.0	5.8		
GMV-R71Zd/NaB-K	CM600N0200	7.1	8.0		
GMV-R90Zd/NaB-K	CM600N0210	9.0	10.0		
GMV-R112Zd/NaB-K	CM600N0220	11.2	12.5		
GMV-R125Zd/NaB-K	CM600N0160	12.5	13.5		
GMV-R28Zd/Na-K	EM600N0060	2.8	3.2		
GMVL-R28Zd/Na-K	ED020N0410		/		
GMV-R36Zd/Na-K	EM600N0070	3.6	4.0		
GMVL-R36Zd/Na-K	EM600N0090		/		
GMV-R50Zd/Na-K	EM600N0010	5.0	5.8		
GMVL-R50Zd/Na-K	EM600N0100		/		
GMV-R71Zd/Na-K	EM600N0030	7.1	8.0		
GMVL-R71Zd/Na-K	EM600N0110		/		
GMV-R90Zd/Na-K	EM600N0040	9.0	10.0		
GMVL-R90Zd/Na-K	EM600N0120		/		
GMV-R112Zd/Na-K	EM600N0050	11.2	12.5		
GMVL-R112Zd/Na-K	EM600N0130		/		
GMV-R125Zd/Na-K	EM600N0020	12.5	13.5		
GMVL-R125Zd/Na-K	EM600N0140		/		



1.9 Floor And Wall Mounted Type Indoor Unit

Model	Product Code	Cooling Capacity	Heating Capacity	Power Supply	Appearance
		kW	kW		
GMV-R28C/Na-K	CM400N0010	2.8	3.2	220-240V 1Ph-50Hz	
GMV-R36C/Na-K	CM400N0020	3.6	4.0		
GMV-R50C/Na-K	CM400N0060	5.0	5.5		

1.10 Floor Standing Type Indoor Unit

Model	Product Code	Cooling Capacity	Heating Capacity	Power Supply	Appearance
		kW	kW		
GMV-R71L/Na-K	CM300N0010	7.0	8.0	220-240V 1Ph-50Hz	
GMV-R100L/Na-K	CM300N0020	10.0	11.0		
GMV-R140L/Na-K	CM300N0030	14.0	15.0		

2 NOMENCLATURE

2.1 Nomenclature of Indoor Unit

$$\frac{\text{GMV}}{1} \frac{\square}{2} \frac{\square}{3} - \frac{\text{R}}{4} \frac{28}{5} \frac{\square}{6} / \frac{\text{Na}}{7} \frac{\square}{8} - \frac{\text{K}}{9}$$

No	Description	Options
1	GMV	GREE Multi Variable
2	Code for Weather	Default:T1 T2:T2 Weather T3:T3 Weather
3	Model Code	L: Cooling Only Default: Heat pump
4	Units Series	R-R series
5	Nominal Cooling Capacity	cooling capacity=Number×100 (W)
6	Indoor Unit	T: Four-way Cassette Type Td:One-way Cassette Type P: Duct Type Zd: Floor Ceiling Type G: Wall Mounted Type C: Floor and Wall Mounted Type L:Floor Standing Type
7	Refrigerant:	Na-R410A
8	Design Sequence.	In the Capital Alphabetic Order
9	Power Complement	M:380-415V-3Ph-50Hz; K:220-240V-1Ph-50Hz D:208-230V-1Ph-60Hz

3 PRODUCT DATA

3.1 Four-way Cassette Type

Model			GMV-R28T/Na-K	GMV-R36T/Na-K	GMV-R45T/Na-K
Product Code			EM503N0091	EM501N0151	EM503N0081
Model			GMVL-R28T/Na-K	GMVL-R36T/Na-K	GMVL-R45T/Na-K
Product Code			EM503N0101	EM501N0161	EM503N0111
Cooling Capacity	kW		2.80	3.60	4.50
	kBtu/h		9.55	12.28	15.35
Heating Capacity	kW		3.20	4.00	5.00
	kBtu/h		10.92	13.65	17.06
Air Flow Rate (H/M/L)	m ³ /h		680	680	680
	CFM		400	400	400
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level (H/M/L)	dB(A)		37 /35 /33	37 /35 /33	37 /35 /33
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.035	0.035	0.035
	Running Current	A	0.28	0.28	0.28
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ12.7	Φ12.7
	Gas Pipe	inch	Φ3/8	Φ1/2	Φ1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	Φ1/4	Φ1/4	Φ1/4
Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		30×1.5	30×1.5	30×1.5
Unit Dimensions (W×D×H)	mm		840 ×840 ×190	840 ×840 ×190	840 ×840 ×190
Package Dimensions (W×D×H)	mm		960 ×960 ×257	960 ×960 ×257	960 ×960 ×257
Net Weight	kg		25.0	25.0	25.0
Gross Weight	kg		33.0	33.0	33.0
Loading Quantity (20' Container)	unit		74	74	74
Loading Quantity (40' Container)	unit		167	167	167
Loading Quantity (40' High Cube Container)	unit		171	171	171

Model		GMV-R50T/Na-K	GMV-R56T/Na-K	GMV-R63T/Na-K	
Product Code		EM501N0171	EM503N0121	CM501N0011	
Model		GMVL-R50T/Na-K	GMVL-R56T/Na-K	GMVL-R63T/Na-K	
Product Code		EM501N0181	EM503N0131	CM501N0021	
Cooling Capacity	kW	5.00	5.60	6.30	
	kBtu/h	17.06	19.11	21.50	
Heating Capacity	kW	5.80	6.30	7.00	
	kBtu/h	19.79	21.50	24.88	
Air Flow Rate (H/M/L)	m ³ /h	680	1180	1180	
	CFM	400	694	694	
ESP(standard/max./range)	Pa	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	37 /35 /33	39 /37 /35	39 /37 /35	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.035	0.035	0.035
	Running Current	A	0.28	0.38	0.38
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ1/2	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52
		inch	Φ1/4	Φ3/8	Φ3/8
Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	30×1.5	30×1.5	30×1.5	
Unit Dimensions (W×D×H)	mm	840 × 840 ×190	840 × 840 × 240	840 × 840 × 240	
Package Dimensions (W×D×H)	mm	960 × 960 ×257	960 × 960 × 310	960 × 960 × 310	
Net Weight	kg	25.0	30.0	30.0	
Gross Weight	kg	33.0	38.0	38.0	
Loading Quantity (20' Container)	unit	74	60	60	
Loading Quantity (40' Container)	unit	167	140	140	
Loading Quantity (40' High Cube Container)	unit	171	156	156	

Model		GMV-R71T/Na-K	GMV-R80T/Na-K	GMV-R90T/Na-K	GMV-R100T/Na-K	
Product Code		EM501N0131	CM501N0031	EM501N0091	CM501N0051	
Model		GMVL-R71T/Na-K	GMVL-R80T/Na-K	GMVL-R90T/Na-K	GMVL-R100T/Na-K	
Product Code		EM501N0141	CM501N0041	EM501N0101	CM501N0061	
Cooling Capacity	kW	7.10	8.00	9.00	10.00	
	kBtu/h	24.23	27.30	30.71	34.12	
Heating Capacity	kW	8.00	8.80	10.00	11.00	
	kBtu/h	27.30	30.03	34.12	37.53	
Air Flow Rate (H/M/L)	m ³ /h	1180	1180	1860	1860	
	CFM	694	694	1095	1095	
ESP(standard/max./range)	Pa	0	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	39 /37 /35	39 /37 /35	40 /38 /36	40 /38 /36	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.035	0.035	0.060	0.060
	Running Current	A	0.38	0.38	0.60	0.60
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52
		inch	Φ3/8	Φ3/8	Φ3/8	Φ3/8
Connection Method		Flare Connection	Flare Connection	Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	30×1.5	30×1.5	30×1.5	30×1.5	
Unit Dimensions (W×D×H)	mm	840 ×840 ×240	840 ×840 ×240	840 ×840 ×320	840 ×840 ×320	
Package Dimensions (W×D×H)	mm	960 ×960 ×310	960 ×960 ×310	960 ×960 ×394	960 ×960 ×394	
Net Weight	kg	30.0	30.0	38.0	38.0	
Gross Weight	kg	38.0	38.0	46.0	46.0	
Loading Quantity (20' Container)	unit	60	60	52	52	
Loading Quantity (40' Container)	unit	140	140	104	104	
Loading Quantity (40' High Cube Container)	unit	156	156	119	119	

Model		GMV-R112T/Na-K	GMV-R125T/Na-K	GMV-R140T/Na-K	
Product Code		EM501N0111	CM501N0071	CM501N0091	
Model		GMVL-R112T/Na-K	GMVL-R125T/Na-K	GMVL-R140T/Na-K	
Product Code		EM501N0121	CM501N0081	CM501N0101	
Cooling Capacity	kW	11.20	12.50	14.00	
	kBtu/h	38.21	42.65	47.77	
Heating Capacity	kW	12.50	13.50	14.50	
	kBtu/h	42.65	46.06	49.47	
Air Flow Rate (H/M/L)	m ³ /h	1860	1860	1860	
	CFM	1095	1095	1095	
ESP(standard/max./range)	Pa	0	0	0	
Sound Pressure Level (H/M/L)	dB(A)	40 /38 /36	40 /38 /36	40 /38 /36	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.060	0.060	0.060
	Running Current	A	0.60	0.60	0.60
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52
		inch	Φ3/8	Φ3/8	Φ3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	30×1.5	30×1.5	30×1.5	
Unit Dimensions (W×D×H)	mm	840 ×840 ×320	840 ×840 ×320	840 ×840 ×320	
Package Dimensions (W×D×H)	mm	960 ×960 ×394	960 ×960 ×394	960 ×960 ×394	
Net Weight	kg	38.0	38.0	38.0	
Gross Weight	kg	46.0	46.0	46.0	
Loading Quantity (20' Container)	unit	52	52	52	
Loading Quantity (40' Container)	unit	104	104	104	
Loading Quantity (40' High Cube Container)	unit	119	119	119	

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.2 Four-way Cassette Compact Panel Type

Model			GMV-R22T/NaA-K	GMV-R28T/NaA-K	GMV-R36T/NaA-K	GMV-R45T/NaA-K
Product Code			CM500N0100	CM500N0110	CM500N0120	CM500N0130
Model			GMVL-R22T/ NaA-K	GMVL-R28T/ NaA-K	GMVL-R36T/ NaA-K	GMVL-R45T/ NaA-K
Product Code			CM500N0140	CM500N0150	CM500N0160	CM500N0170
Cooling Capacity	kW		2.20	2.80	3.60	4.50
	kBtu/h		7.51	9.55	12.28	15.35
Heating Capacity	kW		2.50	3.20	4.00	5.00
	kBtu/h		8.53	10.92	13.65	17.06
Air Flow Rate (H/M/L)	m ³ /h		600	600	600	600
	CFM		353	353	353	353
ESP(standard/max./range)	Pa		0	0	0	0
Sound Pressure Level (H/M/L)	dB(A)		47 /41	47 /41	47 /41	47 /41
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.011	0.011	0.011	0.011
	Running Current	A	0.05	0.05	0.05	0.05
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7	Φ12.7
	Gas Pipe	inch	Φ3/8	Φ3/8	Φ1/2	Φ1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
		inch	Φ1/4	Φ1/4	Φ1/4	Φ1/4
	Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia. ×Thickness)	mm		30×1.5	30×1.5	30×1.5	30×1.5
Unit Dimensions (W×D×H)	mm		570 ×570 ×230	570 ×570 ×230	570 ×570 ×230	570 ×570 ×230
Package Dimensions (W×D×H)	mm		848 ×728 ×310	848 ×728 ×310	848 ×728 ×310	848 ×728 ×310
Net Weight	kg		20.0	20.0	20.0	20.0
Gross Weight	kg		27.0	27.0	27.0	27.0
Loading Quantity (20' Container)	unit		115	115	115	115
Loading Quantity (40' Container)	unit		237	237	237	237
Loading Quantity (40' High Cube Container)	unit		269	269	269	269

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.3 One-way Cassette Type

Model		GMV-R22Td/Na-K	GMV-R28Td/Na-K	GMV-R36Td/Na-K
Product Code		CM502N0010	CM502N0030	CM502N0050
Model		GMVL-R22Td/Na-K	GMVL-R28Td/Na-K	GMVL-R36Td/Na-K
Product Code		CM502N0020	CM502N0040	CM502N0060
Cooling Capacity	kW	2.20	2.80	3.60
	kBtu/h	7.51	9.55	12.28
Heating Capacity	kW	2.50	3.20	4.00
	kBtu/h	8.53	10.92	13.65
Air Flow Rate (H/M/L)	m ³ /h	450	500	500
	CFM	265	294	294
ESP(standard/max./range)	Pa	0	0	0
Sound Pressure Level (H/M/L)	dB(A)	45 /43 /41	45 /43 /41	45 /43 /41
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.02	0.02
	Running Current	A	0.19	0.19
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52
	Gas Pipe	inch	Φ3/8	Φ3/8
	Liquid Pipe	mm	Φ6.35	Φ6.35
		inch	Φ1/4	Φ1/4
	Connection Method		Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	30×1.5	30×1.5	30×1.5
Unit Dimensions (W×D×H)	mm	920 ×360 ×185	920 ×360 ×185	920 ×360 ×185
Package Dimensions (W×D×H)	mm	1290 ×465 ×270	1290 ×465 ×270	1290 ×465 ×270
Net Weight	kg	16.0	16.0	16.0
Gross Weight	kg	25.0	25.0	25.0
Loading Quantity (20' Container)	unit	101	101	101
Loading Quantity (40' Container)	unit	216	216	216
Loading Quantity (40' High Cube Container)	unit	251	251	251

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.4 Duct Type

Model			GMV-R22P/NaB-K	GMV-R28P/NaB-K	GMV-R36P/NaB-K
Product Code			CM800N0370	CM800N0390	CM800N0410
Model			GMVL-R22P/NaB-K	GMVL-R28P/NaB-K	GMVL-R36P/NaB-K
Product Code			CM800N0920	CM800N0930	CM800N0940
Cooling Capacity	kW		2.20	2.80	3.60
	kBtu/h		7.50	9.55	12.28
Heating Capacity	kW		2.50	3.20	4.00
	kBtu/h		8.53	10.92	13.65
Air Flow Rate (H/M/L)	m ³ /h		450	570	570
	CFM		265	335	335
ESP(standard/max./range)	Pa		20/50	20/50	20/50
Sound Pressure Level (H/M/L)	dB(A)		37 /35 /33	39 /37 /35	39 /37 /35
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.04	0.06	0.06
	Running Current	A	0.34	0.36	0.36
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
	Gas Pipe	inch	Φ3/8	Φ3/8	Φ1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	Φ1/4	Φ1/4	Φ1/4
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)	mm		880 ×665 ×250	880 ×665 ×250	880 ×665 ×250
Package Dimensions (W×D×H)	mm		1023 ×748 ×320	1023 ×748 ×320	1023 ×748 ×320
Net Weight	kg		27.0	28.5	28.5
Gross Weight	kg		31.0	33.5	33.5
Loading Quantity (20' Container)	unit		90	90	90
Loading Quantity (40' Container)	unit		198	198	198
Loading Quantity (40' High Cube Container)	unit		198	198	198

Model			GMV-R45P/NaB-K	GMV-R56P/NaB-K	GMV-R71P/NaB-K
Product Code			CM800N0430	CM800N0480	CM800N0490
Model			GMVL-R45P/NaB-K	GMVL-R56P/NaB-K	GMVL-R71P/NaB-K
Product Code			CM800N0950	CM800N0530	CM800N0540
Cooling Capacity	kW		4.50	5.60	7.10
	kBtu/h		15.35	19.10	24.23
Heating Capacity	kW		5.00	6.30	8.00
	kBtu/h		17.06	21.50	27.30
Air Flow Rate (H/M/L)	m ³ /h		700	1000	1100
	CFM		412	589	647
ESP(standard/max./range)	Pa		20/50	30/60	30/60
Sound Pressure Level (H/M/L)	dB(A)		40 /38 /36	44 /42 /40	45 /43 /41
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.07	0.15	0.15
	Running Current	A	0.64	1.09	1.09
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ1/2	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52
		inch	Φ1/4	Φ3/8	Φ3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ30×1.5	Φ30×1.5	Φ30×1.5
Unit Dimensions (W×D×H)	mm		980 ×721 ×266	1155 ×736 ×300	1155 ×736 ×300
Package Dimensions (W×D×H)	mm		1123 ×798 ×323	1248 ×788 ×375	1248 ×788 ×375
Net Weight	kg		34.0	49.0	49.0
Gross Weight	kg		37.0	56.0	56.0
Loading Quantity (20' Container)	unit		84	48	48
Loading Quantity (40' Container)	unit		180	108	108
Loading Quantity (40' High Cube Container)	unit		180	108	108

Model		GMV-R90P/NaB-K	GMV-R112P/NaB-K	GMV-R140P/NaB-K	
Product Code		CM800N0500	CM800N0510	CM800N0520	
Model		GMVL-R90P/NaB-K	GMVL-R112P/NaB-K	GMVL-R140P/NaB-K	
Product Code		CM800N0550	CM800N0560	CM800N0570	
Cooling Capacity	kW	9.00	11.20	14.00	
	kBtu/h	30.71	38.21	47.77	
Heating Capacity	kW	10.00	12.50	15.00	
	kBtu/h	34.12	42.65	51.18	
Air Flow Rate (H/M/L)	m ³ /h	1700	1700	2000	
	CFM	1000	1000	1177	
ESP(standard/max./range)	Pa	40/80	40/80	50/100	
Sound Pressure Level (H/M/L)	dB(A)	48 /46 /44	48 /46 /44	50 /48 /46	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.225	0.225	0.260
	Running Current	A	1.63	1.63	2.27
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52
		inch	Φ3/8	Φ3/8	Φ3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	1425 ×736 ×300	1425 ×736 ×300	1425 ×736 ×300	
Package Dimensions (W×D×H)	mm	1517 ×788 ×375	1517 ×788 ×375	1517 ×788 ×375	
Net Weight	kg	62.0	62.0	63.5	
Gross Weight	kg	71.0	71.0	73.0	
Loading Quantity (20' Container)	unit	36	36	36	
Loading Quantity (40' Container)	unit	84	84	84	
Loading Quantity (40' High Cube Container)	unit	84	84	84	

Model			GMV-R22PS/NaB-K	GMV-R28PS/NaB-K	GMV-R36PS/NaB-K
Product Code			CM800N2000	CM800N2010	CM800N2020
Model			GMVL-R22PS/NaB-K	GMVL-R28PS/NaB-K	GMVL-R36PS/NaB-K
Product Code			CM800N2030	CM800N2040	CM800N2050
Cooling Capacity	kW		2.20	2.80	3.60
	kBtu/h		7.51	9.55	12.28
Heating Capacity	kW		2.50	3.20	4.00
	kBtu/h		8.53	10.92	13.65
Air Flow Rate (H/M/L)	m ³ /h		450	570	570
	CFM		265	335	335
ESP(standard/max./range)	Pa		20/50	20/50	20/50
Sound Pressure Level (H/M/L)	dB(A)		37 /35 /33	39 /37 /35	39 /37 /35
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.04	0.06	0.06
	Running Current	A	0.34	0.36	0.36
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
	Gas Pipe	inch	Φ3/8	Φ3/8	Φ1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	Φ1/4	Φ1/4	Φ1/4
Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)	mm		880 ×665 ×250	880 ×665 ×250	880 ×665 ×250
Package Dimensions (W×D×H)	mm		1020 ×745 ×305	1020 ×745 ×305	1020 ×745 ×305
Net Weight	kg		28.5	30.5	30.5
Gross Weight	kg		33.5	35.5	35.5
Loading Quantity (20' Container)	unit		90	90	90
Loading Quantity (40' Container)	unit		198	198	198
Loading Quantity (40' High Cube Container)	unit		198	198	198

Model		GMV-R45PS/NaB-K	GMV-R56PS/NaB-K	GMV-R71PS/NaB-K
Product Code		CM800N2060	CM800N2070	CM800N2080
Model		GMVL-R45PS/NaB-K	GMVL-R56PS/NaB-K	GMVL-R71PS/NaB-K
Product Code		CM800N2120	CM800N2130	CM800N2140
Cooling Capacity	kW	4.50	5.60	7.10
	kBtu/h	15.35	19.11	24.22
Heating Capacity	kW	5.00	6.30	8.00
	kBtu/h	17.06	21.50	27.30
Air Flow Rate (H/M/L)	m ³ /h	700	1000	1100
	CFM	412	589	647
ESP(standard/max./range)	Pa	20/50	30/60	30/60
Sound Pressure Level (H/M/L)	dB(A)	40 /38 /36	44 /42 /40	45 /43 /41
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.07	0.15
	Running Current	A	0.64	1.09
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9
	Gas Pipe	inch	Φ1/2	Φ5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52
		inch	Φ1/4	Φ3/8
Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5
Unit Dimensions (W×D×H)	mm	980 ×721 ×266	1155 ×736 ×300	1155 ×736 ×300
Package Dimensions (W×D×H)	mm	1068 ×766 ×320	1245 ×785 ×360	1245 ×785 ×360
Net Weight	kg	36.0	51.0	51.0
Gross Weight	kg	39.0	58.0	58.0
Loading Quantity (20' Container)	unit	90	48	48
Loading Quantity (40' Container)	unit	198	108	108
Loading Quantity (40' High Cube Container)	unit	198	108	108

Model		GMV-R90PS/NaB-K	GMV-R112PS/NaB-K	GMV-R140PS/NaB-K	
Product Code		CM800N2090	CM800N2100	CM800N2110	
Model		GMVL-R90PS/NaB-K	GMVL-R112PS/NaB-K	GMVL-R140PS/NaB-K	
Product Code		CM800N2150	CM800N2160	CM800N2170	
Cooling Capacity	kW	9.00	11.20	14.00	
	kBtu/h	30.71	38.21	47.77	
Heating Capacity	kW	10.00	12.50	15.00	
	kBtu/h	34.12	42.65	51.18	
Air Flow Rate (H/M/L)	m ³ /h	1700	1700	2000	
	CFM	1000	1000	1177	
ESP(standard/max./range)	Pa	40/80	40/80	50/100	
Sound Pressure Level (H/M/L)	dB(A)	48 /46 /44	48 /46 /44	50 /48 /46	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.225	0.225	0.260
	Running Current	A	1.63	1.63	2.27
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9
	Gas Pipe	inch	Φ5/8	Φ5/8	Φ5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52
		inch	Φ3/8	Φ3/8	Φ3/8
	Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	Φ30×1.5	Φ30×1.5	Φ30×1.5	
Unit Dimensions (W×D×H)	mm	1425 ×736 ×300	1425 ×736 ×300	1425 ×736 ×300	
Package Dimensions (W×D×H)	mm	1514 ×785 ×360	1514 ×785 ×360	1514 ×785 ×360	
Net Weight	kg	64.0	64.0	65.5	
Gross Weight	kg	73.0	73.0	75.0	
Loading Quantity (20' Container)	unit	36	36	36	
Loading Quantity (40' Container)	unit	84	84	84	
Loading Quantity (40' High Cube Container)	unit	84	84	84	

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.5 E-Series Duct Type

Model		GMV-R22PS/NaE-K	GMV-R28PS/NaE-K	GMV-R36PS/NaE-K	
Product Code		CM800N3010	CM800N3020	CM800N3030	
Model		GMVL-R22PS/NaE-K	GMVL-R28PS/NaE-K	GMVL-R36PS/NaE-K	
Product Code		CM800N3060	CM800N3070	CM800N3080	
Cooling Capacity	kW	2.20	2.80	3.60	
	kBtu/h	7.51	9.55	12.28	
Heating Capacity	kW	2.50	3.20	4.00	
	kBtu/h	8.53	10.92	13.65	
Air Flow Rate (H/M/L)	m ³ /h	450	450	550	
	CFM	265	265	324	
ESP(standard/max./range)	Pa	20	20	20	
Sound Pressure Level (H/M/L)	dB(A)	37 /35 /33	37 /35 /33	39 /37 /35	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.03	0.03	0.04
	Running Current	A	0.28	0.28	0.31
Connecting Pipes	Gas Pipe	mm	9.52	9.52	12.7
	Gas Pipe	inch	3/8	3/8	1/2
	Liquid Pipe	mm	6.35	6.35	6.35
		inch	1/4	1/4	1/4
	Connection Method		Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	20×1.5	20×1.5	20×1.5	
Unit Dimensions (W×D×H)	mm	700 ×615 ×200	700 ×615 ×200	700 ×615 ×200	
Package Dimensions (W×D×H)	mm	890 ×740 ×290	890 ×740 ×290	890 ×740 ×290	
Net Weight	kg	21.0	21.0	22.0	
Gross Weight	kg	27.0	27.0	28.0	
Loading Quantity (20' Container)	unit	108	108	108	
Loading Quantity (40' Container)	unit	234	234	234	
Loading Quantity (40' High Cube Container)	unit	234	234	234	

Model		GMV-R45PS/NaE-K	GMV-R56PS/NaE-K	GMV-R71PS/NaE-K	
Product Code		CM800N3040	CM800N3050	CM800N3000	
Model		GMVL-R45PS/NaE-K	GMVL-R56PS/NaE-K	GMVL-R71PS/NaE-K	
Product Code		CM800N3090	CM800N3100	CM800N3110	
Cooling Capacity	kW	4.5	5.6	7.1	
	kBtu/h	15.35	19.11	24.23	
Heating Capacity	kW	5.0	6.3	8.0	
	kBtu/h	17.06	21.50	27.30	
Air Flow Rate (H/M/L)	m ³ /h	700	700	1000	
	CFM	412	412	588	
ESP(standard/max./range)	Pa	20	20	20	
Sound Pressure Level (H/M/L)	dB(A)	40 /38 /36	41 /39 /37	42 /40 /38	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.06	0.06	0.02
	Running Current	A	0.41	0.41	0.45
Connecting Pipes	Gas Pipe	mm	12.7	15.90	15.90
	Gas Pipe	inch	1/2	0.626	0.626
	Liquid Pipe	mm	6.35	9.52	9.52
		inch	0.25	0.375	0.375
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	30 ×1.5	30 ×1.5	30 ×1.5	
Unit Dimensions (W×D×H)	mm	900 ×615 ×200	900 ×615 ×200	1100 ×615 ×200	
Package Dimensions (W×D×H)	mm	1120 ×740 ×290	1120 ×740 ×290	1320 ×740 ×290	
Net Weight	kg	26.0	26.0	26.0	
Gross Weight	kg	33.0	33.0	33.0	
Loading Quantity (20' Container)	unit	90	90	72	
Loading Quantity (40' Container)	unit	192	192	162	
Loading Quantity (40' High Cube Container)	unit	192	192	162	

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.6 B-Series Duct Type

Model		GMV-R224P/NaB-M	GMV-R280P/NaB-M
Product Code		CM800N2200	CM800N2220
Cooling Capacity	kW	22.4	28.00
	kBtu/h	76.4	95.54
Heating Capacity	kW	25.0	31.00
	kBtu/h	85.30	105.78
Air Flow Rate (H/M/L)	m ³ /h	4000	4800
	CFM	2381	2857
ESP(standard/max./range)	Pa	200	220
Sound Pressure Level (H/M/L)	dB(A)	56	57
Power Supply	V/Hz/Ph	380-415/50/3	380-415/50/3
Fan Motor	Output	kW	1.2
	Running Current	A	2.40
Connecting Pipes	Gas Pipe	mm	22.2
	Gas Pipe	inch	7/8
	Liquid Pipe	mm	9.52
		inch	3/8
	Connection Method		Brazing Connection
Drain Pipes (External Dia.×Thickness)	mm	30×1.5	30 ×1.5
Unit Dimensions (W×D×H)	mm	1463×799×389	1628 ×869 ×454
Package Dimensions (W×D×H)	mm	1540×880 ×470	1745 ×1025 ×580
Net Weight	kg	88	113
Gross Weight	kg	102	152
Loading Quantity (20' Container)	unit	35	24
Loading Quantity (40' Container)	unit	75	52
Loading Quantity (40' High Cube Container)	unit	89	65

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.7 Wall Mounted Type

Model			GMV-R22G/NaB-K	GMV-R28G/NaB-K	GMV-R36G/NaB-K
Product code			EM100N0070	EM100N0090	EM100N0110
Model			GMVL-R22G/NaB-K	GMVL-R28G/NaB-K	GMVL-R36G/NaB-K
Product code			EM100N0080	EM100N0100	EM100N0120
Cooling Capacity	kW		2.2	2.8	3.6
	kBtu/h		7.51	9.55	12.28
Heating Capacity	kW		2.5	3.2	4.0
	kBtu/h		8.53	10.92	13.65
Air Flow Rate	m ³ /h		360	360	500
	CFM		212	212	294
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level (H/M/L)	dB(A)		37 /28	37 /28	43 /28
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.014	0.014	0.022
	Running Current	A	0.15	0.15	0.22
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
	Gas Pipe	inch	3/8	3/8	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4
Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)	mm		770 ×190 ×250	770 ×190 ×250	830 ×189 ×285
Package Dimensions (W×D×H)	mm		955 ×330 ×272	955 ×330 ×272	1006 ×385 ×265
Net Weight	kg		8.0	8.0	11.0
Gross Weight	kg		14.3	14.3	15.8

Model			GMV-R45G/NaB-K	GMV-R50G/NaB-K	GMV-R56G/NaB-K
Product code			EM100N0130	CM100N0020	CM100N0010
Model			GMVL-R45G/NaB-K	GMVL-R50G/NaB-K	GMVL-R56G/NaB-K
Product code			EM100N0140	CM100N0040	CM100N0050
Cooling Capacity	kW		4.5	5.0	5.6
	kBtu/h		15.35	17.06	19.11
Heating Capacity	kW		5.0	5.8	6.3
	kBtu/h		17.06	19.79	21.50
Air Flow Rate	m ³ /h		500	700	750
	CFM		294	412	441
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level (H/M/L)	dB(A)		43 /28	45 /40	45 /40
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.022	0.020	0.020
	Running Current	A	0.22	0.25	0.26
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ12.7	Φ15.9
	Gas Pipe	inch	1/2	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ9.52
		inch	1/4	1/4	3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ20×1.5	Φ30×1.5	Φ30×1.5
Unit Dimensions (W×D×H)	mm		830 ×189 ×285	1020 ×228 ×310	1020 ×228 ×310
Package Dimensions (W×D×H)	mm		1006 ×385 ×265	1178 ×325 ×390	1178 ×325 ×390
Net Weight	kg		11.0	15.5	15.5
Gross Weight	kg		15.8	20.5	20.5

Model			GMV-R22G/NaC-K	GMV-R28G/NaC-K	GMV-R36G/NaC-K
Product code			EM100N0270	EM100N0290	EM100N0310
Model			GMVL-R22G/NaC-K	GMVL-R28G/NaC-K	GMVL-R36G/NaC-K
Product code			EM100N0280	EM100N0300	EM100N0320
Cooling Capacity	kW		2.2	2.8	3.6
	kBtu/h		7.50	9.55	12.28
Heating Capacity	kW		2.5	3.2	4.0
	kBtu/h		8.53	10.92	13.65
Air Flow Rate	m ³ /h		360	360	500
	CFM		212	212	294
Sound Pressure Level (H/L)	dB(A)		37/28	37/28	43/28
External Static Pressure	Pa		0	0	0
Power Supply			220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.014	0.014	0.022
	Running Current	A	0.15	0.15	0.22
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
		inch	3/8	3/8	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)		mm	Φ20×1.5	Φ20×1.5	Φ20×1.5
Unit Dimensions (W×D×H)		mm	770×190×250	770×190×250	830×189×285
Package Dimensions (W×D×H)		mm	955×330×272	955×272×330	1006×395×295
Net Weight		kg	8	8	11
Gross Weight		kg	14.3	14.3	15.8

Model			GMV-R45G/NaC-K	GMV-R71G/Na-K	GMV-R80G/Na-K
Product code			EM100N0330	CM100N0030	CM100N0080
Model			GMVL-R45G/NaC-K	GMVL-R71G/Na-K	GMVL-R80G/Na-K
Product code			EM100N0340	CM100N0060	CM100N0070
Cooling Capacity	kW		4.5	7.1	8.0
	Btu		15.36	24.23	27.30
Heating Capacity	kW		5.0	8.0	9.0
	Btu		17.06	27.30	30.71
Air Flow Rate	m ³ /h		500	1200	1200
	CFM		294	706	706
Sound Pressure Level (H/L)	dB(A)		43/28	49/42	49/42
External Static Pressure	Pa		0	0	0
Power Supply			220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.022	0.026	0.026
	Running Current	A	0.22	0.29	0.39
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9	Φ15.9
		inch	1/2	5/8	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52	Φ9.52
		inch	1/4	3/8	3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)		mm	Φ30×1.5	φ30×1.5	φ30×1.5
Unit Dimensions (W×D×H)		mm	830×189×285	1178×227×326	1178×227×326
Package Dimensions (W×D×H)		mm	1006×395×295	1365×417×333	1365×417×333
Net Weight		kg	11	17.5	17.5
Gross Weight			15.8	23	23

Model			GMV-R22G/NaG-K	GMV-R28G/NaG-K	GMV-R36G/NaG-K
Product code			CM100N0220	CM100N0240	CM100N0270
Model			GMVL-R22G/NaG-K	GMVL-R28G/NaG-K	GMVL-R36G/NaG-K
Product code			CM100N0380	CM100N0400	CM100N0420
Cooling Capacity	kW		2.2	2.8	3.6
	kBtu/h		7.51	9.55	12.28
Heating Capacity	kW		2.5	3.2	4.0
	kBtu/h		8.53	10.92	13.65
Air Flow Rate	m ³ /h		500	500	630
	CFM		294	294	371
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level (H/M/L)	dB(A)		38 /34	38 /34	44 /38
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.02	0.02	0.02
	Running Current	A	0.31	0.31	0.36
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ9.52	Φ12.7
	Gas Pipe	inch	3/8	3/8	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ6.35
		inch	1/4	1/4	1/4
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ28×4.0	Φ28×4.0	Φ28×4.0
Unit Dimensions (W×D×H)	mm		843 ×180 ×275	843 ×180 ×275	940 ×200 ×298
Package Dimensions (W×D×H)	mm		915 ×255 ×355	915 ×255 ×355	1010 ×285 ×380
Net Weight	kg		10.5	10.5	13.0
Gross Weight	kg		12.5	12.5	16.0

Model			GMV-R45G/NaG-K	GMV-R50G/NaG-K	GMV-R56G/NaG-K
Product code			CM100N0280	CM100N0260	CM100N0330
Model			GMVL-R45G/NaG-K	GMVL-R50G/NaG-K	GMVL-R56G/NaG-K
Product code			CM100N0440	CM100N0460	CM100N0480
Cooling Capacity	kW		4.5	5.0	5.6
	kBtu/h		15.35	17.06	19.11
Heating Capacity	kW		5.0	5.8	6.3
	kBtu/h		17.06	19.79	21.50
Air Flow Rate	m ³ /h		630	630	800
	CFM		371	371	471
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level (H/M/L)	dB(A)		44 /38	44 /38	44 /38
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.02	0.02	0.03
	Running Current	A	0.36	0.36	0.4
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ12.7	Φ15.87
	Gas Pipe	inch	1/2	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ6.35	Φ9.52
		inch	1/4	1/4	3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ28×4.0	Φ28×4.0	Φ28×4.0
Unit Dimensions (W×D×H)	mm		940 ×200 ×298	940 ×200 ×298	1008 ×221 ×319
Package Dimensions (W×D×H)	mm		1010 ×285 ×380	1010 ×285 ×380	1073 ×313 ×395
Net Weight	kg		13.0	13.0	15.0
Gross Weight	kg		16.0	16.0	20.0

Model			GMV-R63G/NaG-K	GMV-R71G/NaG-K
Product code			CM100N0340	CM100N0320
Model			GMVL-R63G/NaG-K	GMVL-R71G/NaG-K
Product code			CM100N0500	CM100N0520
Cooling Capacity	kW		6.3	7.1
	kBtu/h		21.50	24.23
Heating Capacity	kW		7.0	8.0
	kBtu/h		23.88	27.30
Air Flow Rate	m ³ /h		800	800
	CFM		471	471
ESP(standard/max./range)	Pa		0	0
Sound Pressure Level (H/M/L)	dB(A)		44 /38	44 /38
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.03	0.03
	Running Current	A	0.4	0.4
Connecting Pipes	Gas Pipe	mm	Φ15.87	Φ15.87
	Gas Pipe	inch	5/8	5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52
		inch	3/8	3/8
Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		Φ28×4.0	Φ28×4.0
Unit Dimensions (W×D×H)	mm		1008 ×221 ×319	1008 ×221 ×319
Package Dimensions (W×D×H)	mm		1073 ×313 ×395	1073 ×313 ×395
Net Weight	kg		15.0	15.0
Gross Weight	kg		20.0	20.0

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.8 Floor Ceiling Type

Model		GMV-R28Zd/NaB-K	GMV-R36Zd/NaB-K	GMV-R50Zd/NaB-K	
Product code		CM600N0170	CM600N0180	CM600N0190	
Cooling Capacity	kW	2.8	3.6	5.0	
	kBtu/h	9.55	12.28	17.06	
Heating Capacity	kW	3.2	4.0	5.8	
	kBtu/h	10.92	13.65	19.79	
Air Flow Rate	m ³ /h	650	650	950	
	CFM	383	383	559	
ESP(standard/max./range)	Pa	0	0	0	
Sound Pressure Level	dB(A)	40	40	45	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.01	0.01	0.02
	Running Current	A	0.25	0.25	0.50
Connecting Pipes	Gas Pipe	mm	9.52	12.7	12.7
	Gas Pipe	inch	3/8	1/2	1/2
	Liquid Pipe	mm	6.35	6.35	6.35
		inch	1/4	1/4	1/4
Connection Method			Flare Connection	Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm	17×1.75	17×1.75	17×1.75	
Unit Dimensions (W×D×H)	mm	1220×700 ×225	1220×700 ×225	1220×700 ×225	
Package Dimensions (W×D×H)	mm	1340 ×820 ×300	1340 ×820 ×300	1340 ×820 ×300	
Net Weight	kg	40.0	40.0	40.0	
Gross Weight	kg	50.0	50.0	50.0	

Model		GMV-R71Zd/NaB-K	GMV-R90Zd/NaB-K	
Product code		CM600N0200	CM600N0210	
Cooling Capacity	kW	7.10	9.00	
	kBtu/h	24.22	30.71	
Heating Capacity	kW	8.00	10.00	
	kBtu/h	27.30	34.12	
Air Flow Rate	m ³ /h	1400	1600	
	CFM	824	942	
ESP(standard/max./range)	Pa	0	0	
Sound Pressure Level	dB(A)	49	51	
Power Supply	V/Hz/Ph	220-240/50/1	220-241/50/1	
Fan Motor	Output	kW	0.075	0.15
	Running Current	A	0.64	0.82
Connecting Pipes	Gas Pipe	mm	15.9	15.9
	Gas Pipe	inch	5/8	5/8
	Liquid Pipe	mm	9.52	9.52
		inch	3/8	3/8
Connection Method		Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	31×12	31×12	
Unit Dimensions (W×D×H)	mm	1420×700 ×245	1420×700 ×245	
Package Dimensions (W×D×H)	mm	1545 ×825 ×330	1545 ×825 ×330	
Net Weight	kg	52.0	54.0	
Gross Weight	kg	61.0	63.0	

Model		GMV-R112Zd/NaB-K	GMV-R125Zd/NaB-K	
Product code		CM600N0220	CM600N0160	
Cooling Capacity	kW	11.20	12.50	
	kBtu/h	38.21	42.65	
Heating Capacity	kW	12.50	13.50	
	kBtu/h	42.65	46.06	
Air Flow Rate	m ³ /h	2000	2000	
	CFM	1177	1177	
ESP(standard/max./range)	Pa	0	0	
Sound Pressure Level	dB(A)	55	55	
Power Supply	V/Hz/Ph	220-242/50/1	220-243/50/1	
Fan Motor	Output	kW	0.18	0.18
	Running Current	A	1.1	1.1
Connecting Pipes	Gas Pipe	mm	15.9	15.9
	Gas Pipe	inch	5/8	5/8
	Liquid Pipe	mm	9.52	9.52
		inch	3/8	3/8
Connection Method		Flare Connection	Flare Connection	
Drain Pipes (External Dia.×Thickness)	mm	31×12	31×12	
Unit Dimensions (W×D×H)	mm	1700×700 ×245	1700×700 ×245	
Package Dimensions (W×D×H)	mm	1825 ×825 ×330	1825 ×825 ×330	
Net Weight	kg	64.0	66.0	
Gross Weight	kg	72.0	74.0	

Model			GMV-R28Zd/Na-K	GMV-R36Zd/Na-K
Product code			EM600N0060	EM600N0070
Model			GMVL-R28Zd/Na-K	GMVL-R36Zd/Na-K
Product code			ED020N0410	EM600N0090
Cooling Capacity	kW		2.80	3.60
	kBtu/h		10.00	12.28
Heating Capacity	kW		3.20	4.00
	kBtu/h		11.00	14.00
Air Flow Rate	m ³ /h		550	600
	CFM		324	353
ESP(standard/max./range)	Pa		0	0
Sound Pressure Level	dB(A)		43	44
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.01	0.01
	Running Current	A	0.09	0.09
Connecting Pipes	Gas Pipe	mm	Φ9.52	Φ12.7
	Gas Pipe	inch	3/8	1/2
	Liquid Pipe	mm	Φ6.35	Φ6.35
		inch	1/4	1/4
	Connection Method			Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		28 ×3.0	28 ×3.0
Unit Dimensions (W×D×H)	mm		840 ×238 ×695	840 ×238 ×695
Package Dimensions (W×D×H)	mm		1035 ×295 ×805	1035 ×295 ×805
Net Weight	kg		28.0	28.0
Gross Weight	kg		37.0	37.0

Model			GMV-R50Zd/Na-K	GMV-R71Zd/Na-K
Product code			EM600N0010	EM600N0030
Model			GMVL-R50Zd/Na-K	GMVL-R71Zd/Na-K
Product code			EM600N0100	EM600N0110
Cooling Capacity	kW		5.00	7.10
	kBtu/h		17.06	24.23
Heating Capacity	kW		5.80	8.00
	kBtu/h		20	27
Air Flow Rate	m ³ /h		700	1170
	CFM		412	689
ESP(standard/max./range)	Pa		0	0
Sound Pressure Level	dB(A)		50	48
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.04	0.1
	Running Current	A	0.35	0.80
Connecting Pipes	Gas Pipe	mm	Φ12.7	Φ15.9
	Gas Pipe	inch	1/2	5/8
	Liquid Pipe	mm	Φ6.35	Φ9.52
		inch	1/4	3/8
	Connection Method			Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		28 ×3.0	28 ×3.0
Unit Dimensions (W×D×H)	mm		840 ×238 ×695	1300 ×188 ×600
Package Dimensions (W×D×H)	mm		1035 ×295 ×805	1514 ×248 ×724
Net Weight	kg		28.0	34.0
Gross Weight	kg		37.0	38.0

Model			GMV-R90Zd/Na-K	GMV-R112Zd/Na-K	GMV-R125Zd/Na-K
Product code			EM600N0040	EM600N0050	EM600N0020
Model			GMVL-R90Zd/Na-K	GMVL-R112Zd/Na-K	GMVL-R125Zd/Na-K
Product code			EM600N0120	EM600N0130	EM600N0140
Cooling Capacity	kW		9.00	11.20	12.50
	kBtu/h		30.71	38.21	42.65
Heating Capacity	kW		10.00	12.50	13.50
	kBtu/h		34.00	43.00	46.00
Air Flow Rate	m ³ /h		2100	2200	2300
	CFM		1236	1295	1354
ESP(standard/max./range)	Pa		0	0	0
Sound Pressure Level	dB(A)		51	54	55
Power Supply	V/Hz/Ph		220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.15	0.18	0.18
	Running Current	A	1.30	1.50	1.50
Connecting Pipes	Gas Pipe	mm	Φ15.9	Φ15.9	Φ15.9
	Gas Pipe	inch	5/8	5/8	5/8
	Liquid Pipe	mm	Φ9.52	Φ9.52	Φ9.52
		inch	3/8	3/8	3/8
	Connection Method			Flare Connection	Flare Connection
Drain Pipes (External Dia.×Thickness)	mm		28 ×3.0	28 ×3.0	28 ×3.0
Unit Dimensions (W×D×H)	mm		1590 ×238 ×695	1590 ×238 ×695	1590 ×238 ×695
Package Dimensions (W×D×H)	mm		1814 ×330 ×930	1814 ×330 ×930	1814 ×330 ×930
Net Weight	kg		44.0	44.0	44.0
Gross Weight	kg		53.0	53.0	53.0

Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The model with GMVL code is cooling only unit; while the model with GMV code is heat pump unit; the cooling only units dose not have any parameters of performing heating;
- ③ . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

3.9 Floor And Wall Mounted Type

Model		GMV-R28C/Na-K	GMV-R36C/Na-K	GMV-R50C/Na-K	
Product code		CM400N0010	CM400N0020	CM400N0060	
Cooling Capacity	kW	2.8	3.6	5.0	
	kBtu/h	9.55	12.28	17.06	
Heating Capacity	kW	3.2	4.0	5.5	
	kBtu/h	10.92	13.65	18.77	
Air Flow Rate(H/L)	m ³ /h	500/280	600/360	650/410	
	CFM	294/165	353/212	383/241	
ESP(standard/max./range)	Pa	0/0	0/0	0/0	
Sound Pressure Level (H/M/L)	dB(A)	38 /33 /26	40 /37 /32	46 /41 /35	
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1	
Fan Motor	Output	kW	0.03	0.03	
	Running Current	A	0.15	0.15	
Connecting Pipes	Gas Pipe	mm	9.52	9.52	
		inch	3/8	3/8	
	Liquid Pipe	mm	6.35	6.35	
		inch	1/4	1/4	
	Connection Method		Flare Connection	Flare Connection	Flare Connection
	Drain Pipes (External Dia.×Thickness)	mm	φ17.2×1.0	φ17.2×1.0	φ17.2×1.0
Unit Dimensions (W×D×H)	mm	700 ×215 ×600	700 ×215 ×600	700 ×215 ×600	
Package Dimensions (W×D×H)	mm	788 ×695 ×283	788 ×695 ×695 ×283	788 ×695 ×283	
Net Weight	kg	16.0	16.0	16.0	
Gross Weight	kg	19.0	19.0	19.0	

Notes:

- ① . The above performance parameter is measured according to the standard of GB/T 18837-2002;
- ② . Its cooling or heating capacity and noise are tested before leaving factory;
- ③ . If the parameter changed, refer to the data offered on nameplate.

3.10 Floor Standing Type

Model		GMV-R71L/Na-K	GMV-R100L/Na-K	GMV-R140L/Na-K
Product code		CM300N0010	CM300N0020	CM300N0030
Cooling Capacity	kW	7.00	10.00	14.00
	kBtu/h	23.88	34.12	47.77
Heating Capacity	kW	8.00	11.00	15.00
	kBtu/h	27.30	37.53	51.18
Air Flow Rate (H/M/L)	m ³ /h	1100/1000/920	1600/1500/1300	1700/1600/1400
	CFM	655/595/548	952/893/774	1012/952/833
ESP(standard/max./range)	Pa	0	0	0
Sound Pressure Level (H/M/L)	dB(A)	48 /45 /42	51 /49 /47	52 /50 /48
Power Supply	V/Hz/Ph	220-240/50/1	220-240/50/1	220-240/50/1
Fan Motor	Output	kW	0.05	0.12
	Running Current	A	0.80	1.10
Connecting Pipes	Gas Pipe	mm	9.52	9.52
	Gas Pipe	inch	3/8	3/8
	Liquid Pipe	mm	6.35	6.35
		inch	1/4	1/4
	Connection Method		Brazing Connection	Brazing Connection
Drain Pipes (External Dia.×Thickness)	mm	31×4.5	31 ×4.5	31 ×4.5
Unit Dimensions (W×D×H)	mm	502 ×316 ×1756	556 ×381 ×1896	556 ×381 ×1896
Package Dimensions (W×D×H)	mm	633 ×450 ×1943	738 ×545 ×2083	738 ×545 ×2083
Net Weight	kg	39.0	53	57
Gross Weight	kg	60.0	73	77
Loading Quantity (20' Container)	unit	45	33	33
Loading Quantity (40' Container)	unit	95	67	67
Loading Quantity (40' High Cube Container)	unit	95	67	67

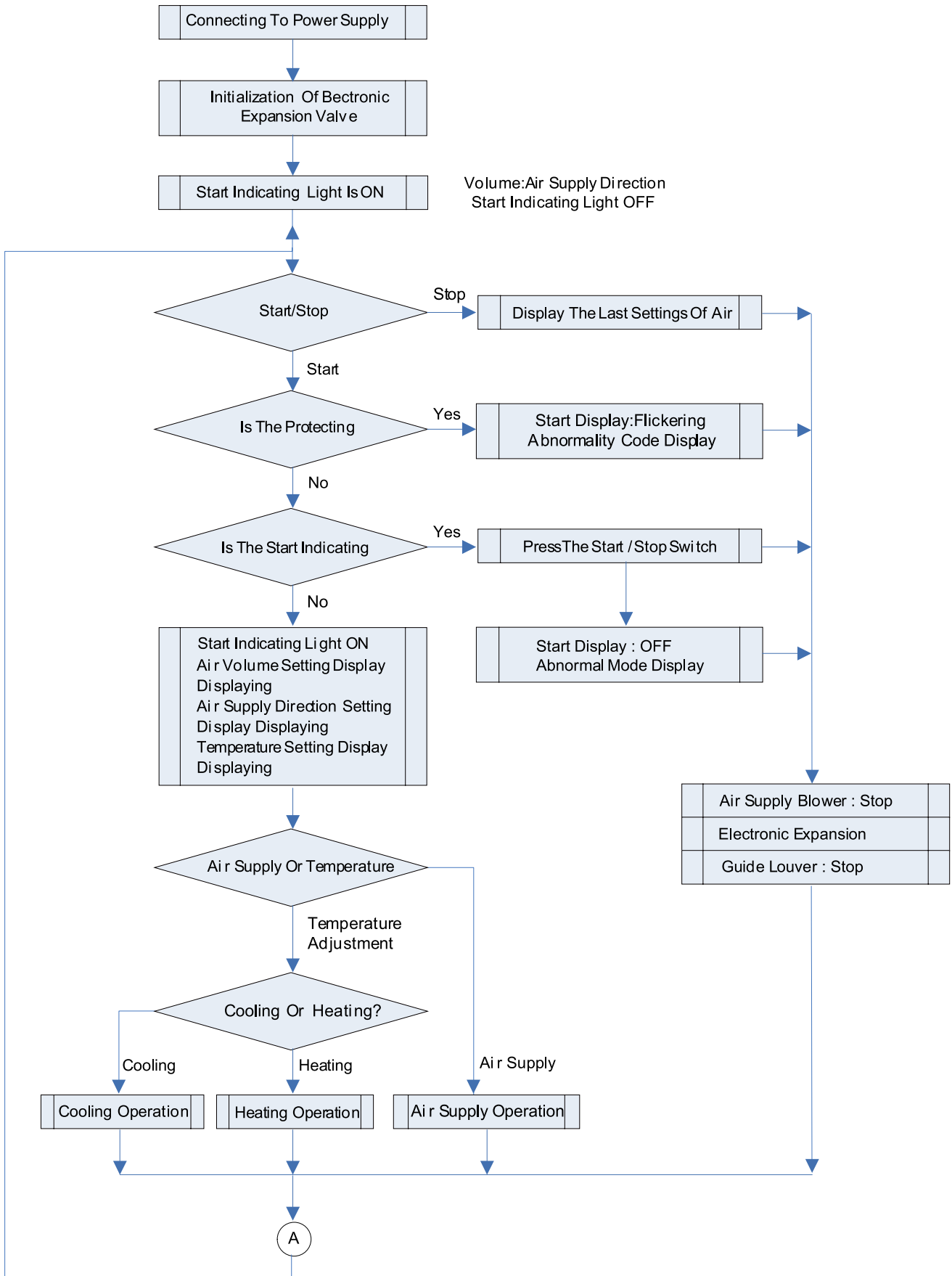
Notes:

- ① . Refer to the product nameplate for parameters and specification of the unit;
- ② . The sound level was tested under circumstance of semi-anechoic chamber; the value of noise could be a little higher in actual operation.

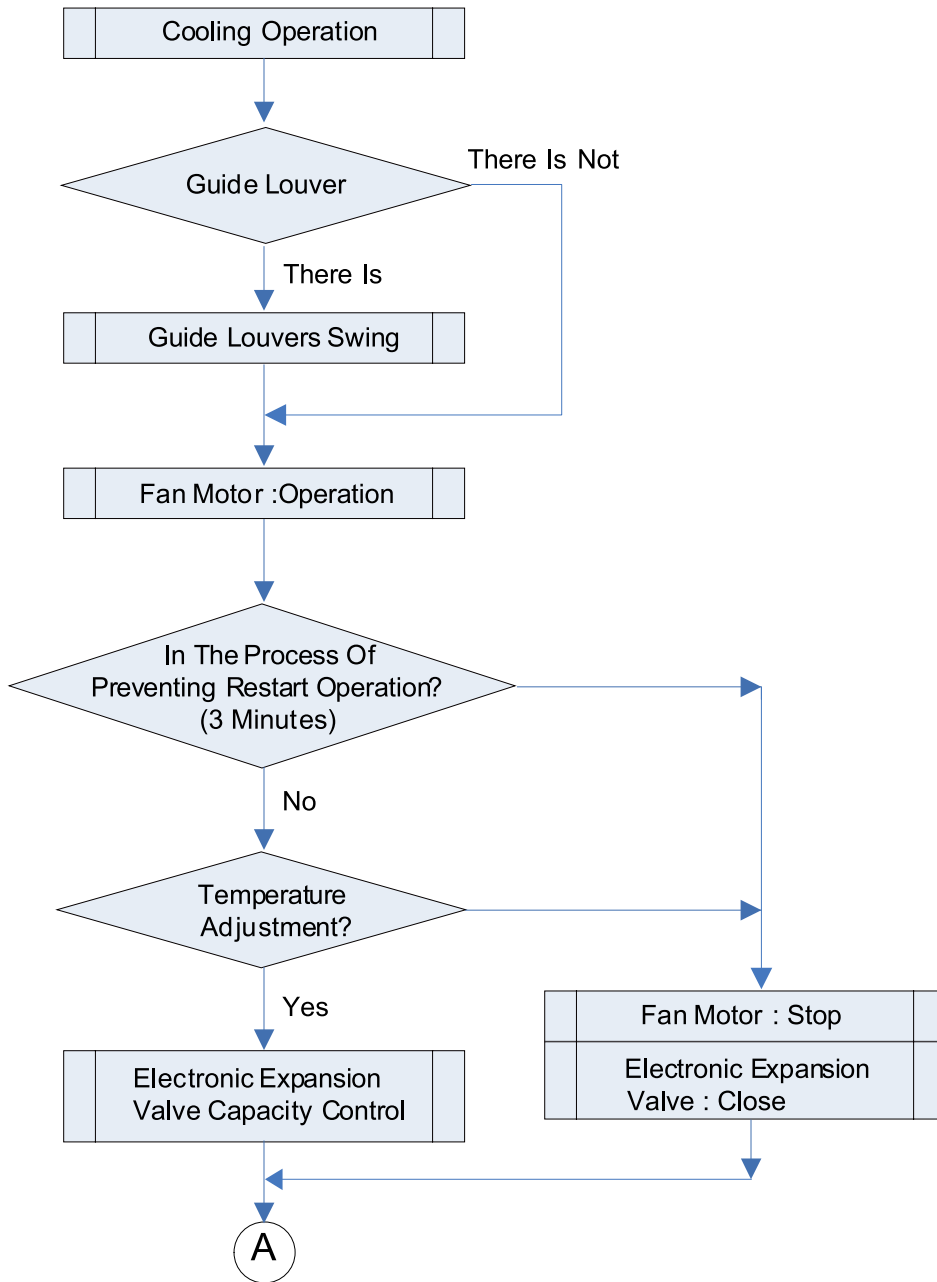
CONTROL

CONTROL

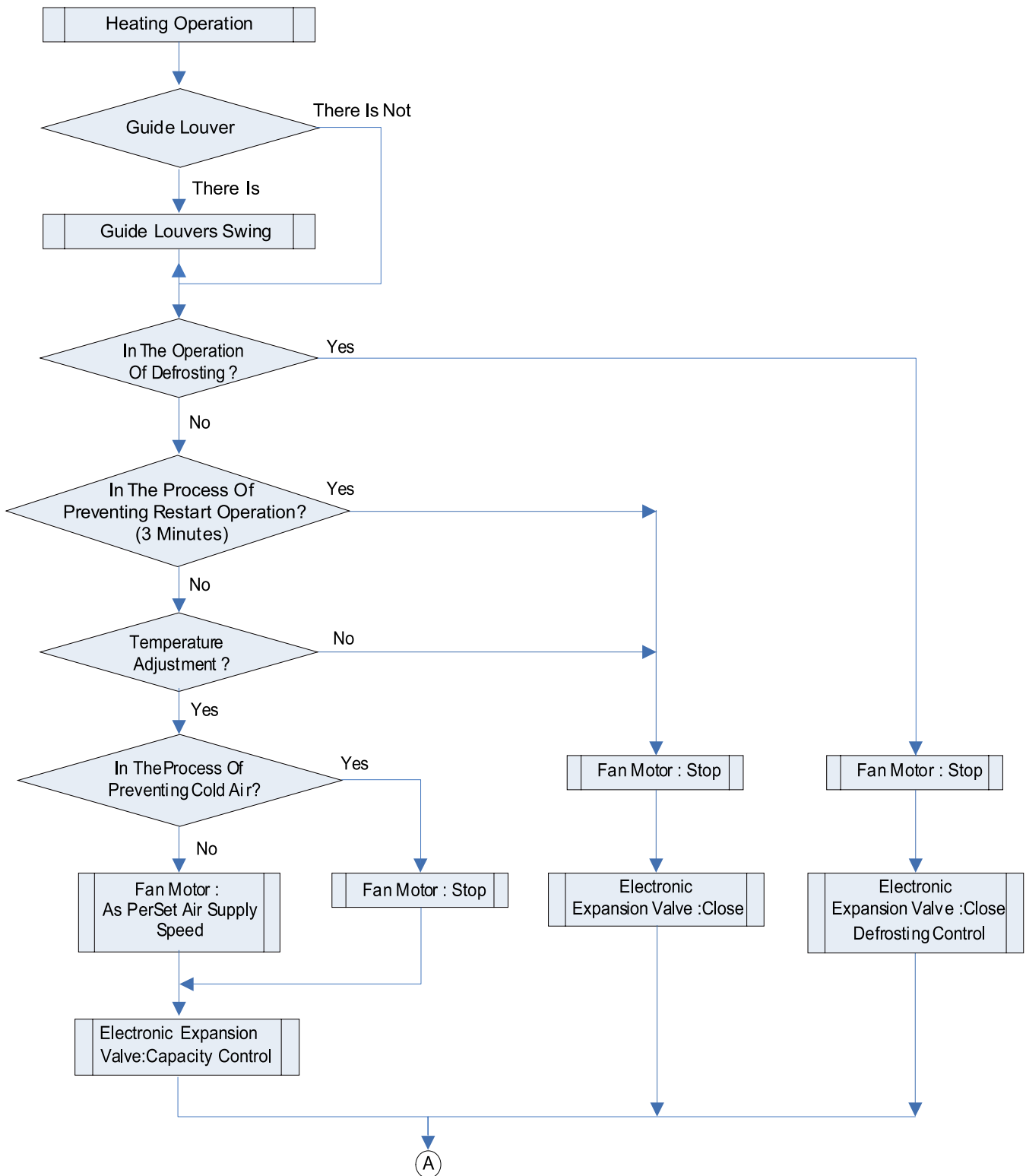
1 OPERATION FLOWCHART



1.1 Cooling/Dry Operation



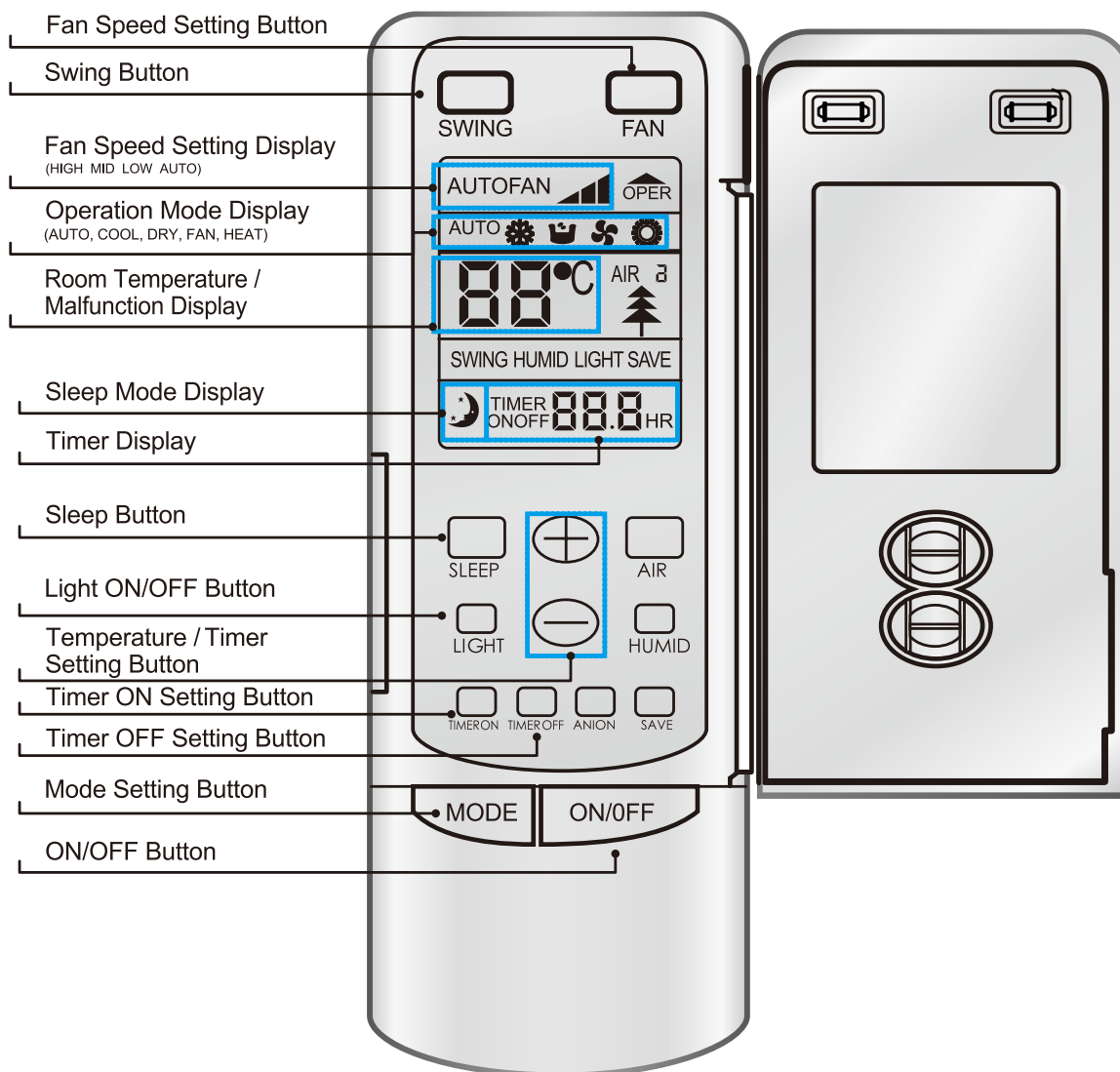
1.2 Heating Operation



2 WIRELESS REMOTE CONTROLLER

This Service Manual contain two wireless remote controller, Y512 and YB1FA. Y512 is applicable to Cassette Type Air Duct type and Air Handler Type. YB1FA is applicable to Wall Mounted Type and Floor Ceiling Type.

2.1 Wireless Remote Controller Y512



Operation procedure

Normal procedure

- 1) Press ON/OFF button after connected with the power, then the unit is operating.
- 2) Press MODE button to choose the need operation mode.
- 3) Press FAN button to set the fan speed.
- 4) Press +/- button to set the need temp.

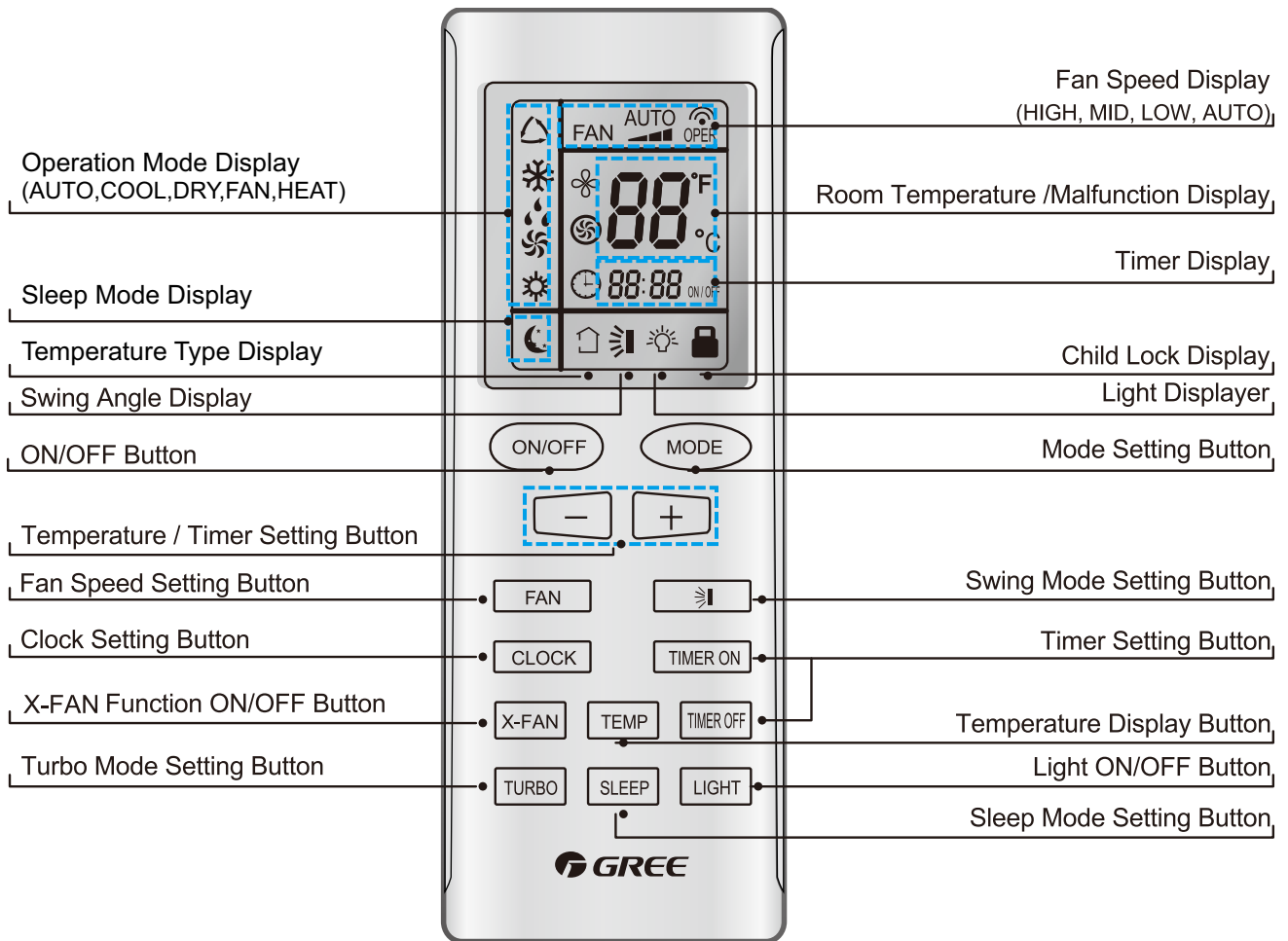
Selectable procedure

- 5) Press SLEEP mode to set the sleep state.
- 6) Press TIMER OFF button to set the set time.

NOTE!

After every indoor unit received the turn off signal, the fan and electric inflate valve will continue to work for 20-70 seconds to make use of the rest cool or rest heat, while for preparation for the next work. And this is normal phenomenon.

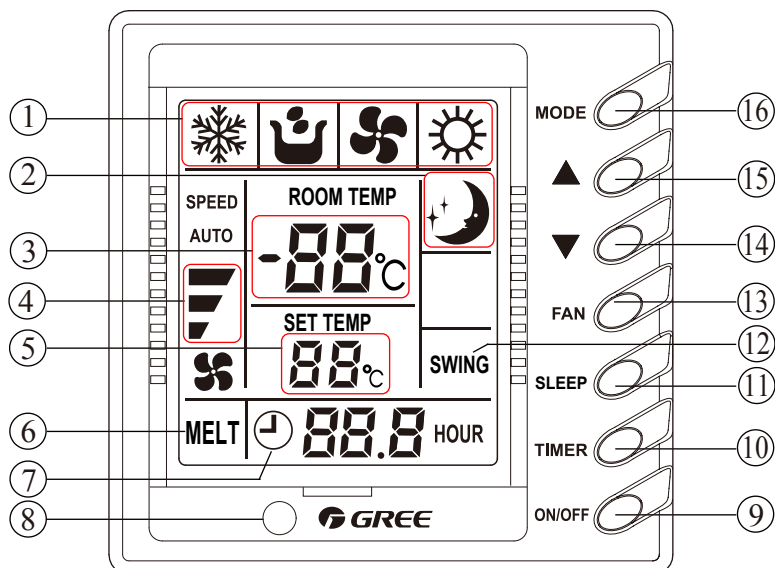
2.2 Wireless Remote Controller YB1FA



3 WIRED REMOTE CONTROLLER

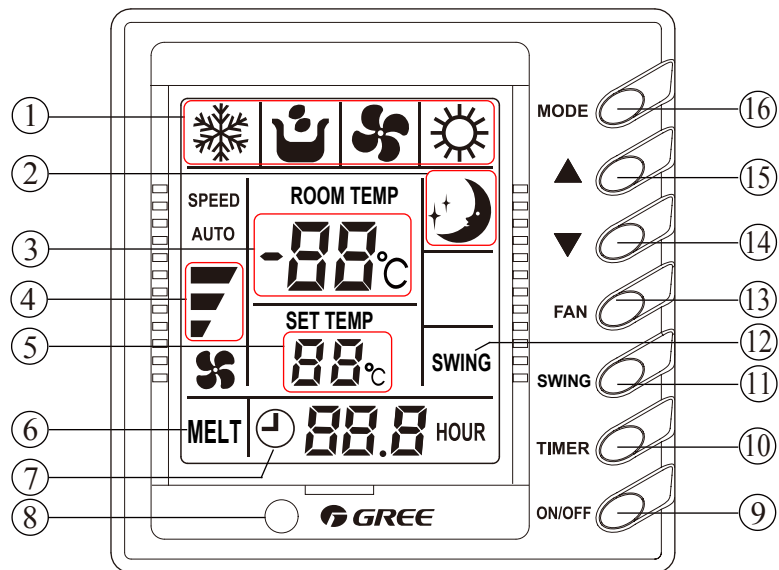
3.1 Wired Controller Z60351F,Z60151F,Z63351F,Z63151F

3.1.1 Operation View



Wired Controller Z60351F,Z60151F

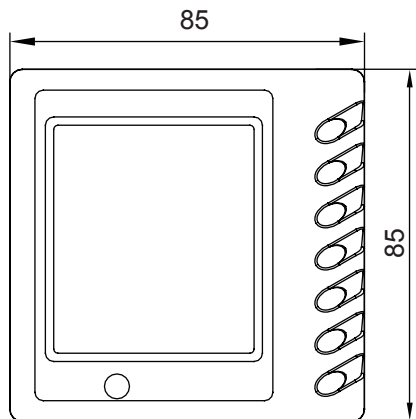
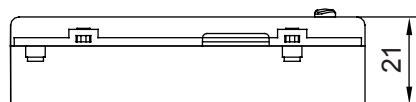
Various Components of Wired Remote Controller			
1	Operating mode display (Cool, Dry, Fan, Heat)	9	On/Off button
2	Sleep mode display	10	Timer button
3	Environmental temp. display /Malfunction display	11	Sleep button
4	Fan control display (automatic, high, medium, low)	12	Swing display
5	Set Temp. display	13	Fan control button
6	Defrosting display	14	Temp./ Timer decrease button
7	Timer display	15	Temp./ Timer increase button
8	Signal receptor	16	Mode button



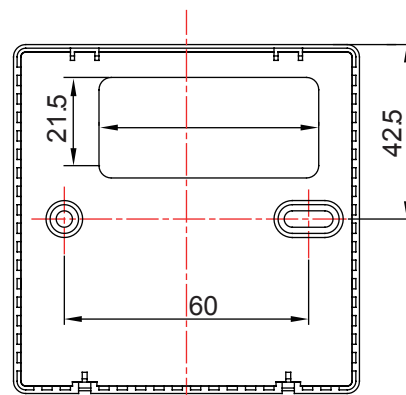
Wired Controller Z63351F,Z63151F

Every part of wired remote controller			
1	Operating mode display (Cool, Dry, Fan, Heat)	9	On/Off button
2	Sleep mode display	10	Timer button
3	Environmental temp.display / Malfunction display	11	Swing button
4	Fan control display (automatic, high, medium, low)	12	Swing display
5	Set Temp. display	13	Fan control button
6	Defrosting display	14	Temp. / Timer reducing button
7	Timer display	15	Temp. / Timer rising button
8	Signal receptor	16	Mode button

3.1.2 Dimension

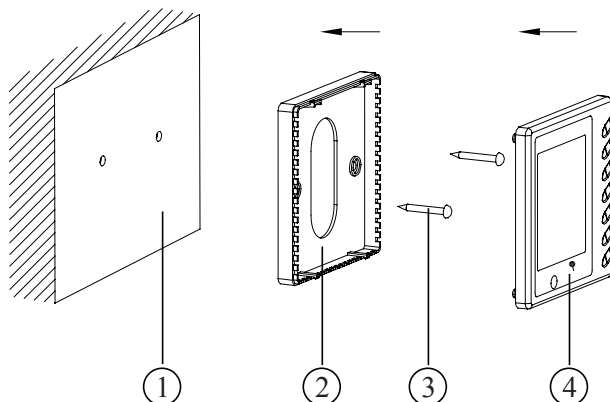


Outline Dimension of Wired Controller



Installation Dimension of Wired Controller

3.1.3 Installation



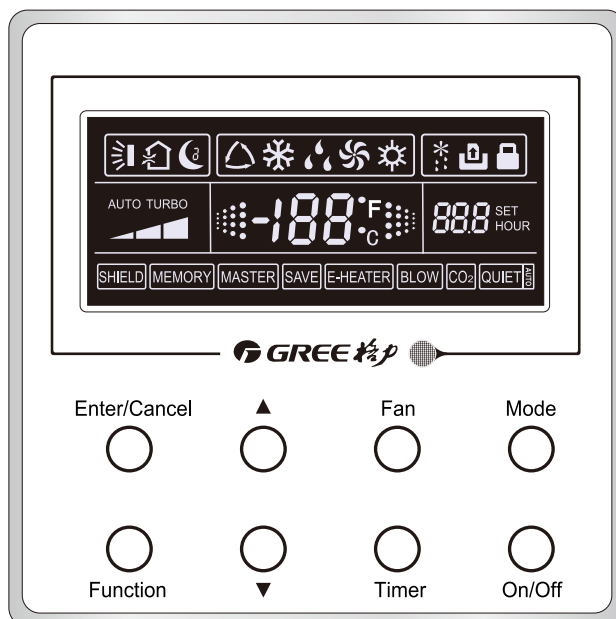
SN	1	2	3	4
Name	Casing base, installed into the wall	Controller Soleplate	Screw M4X25	Controller Panel






Notice for installation under the guidance

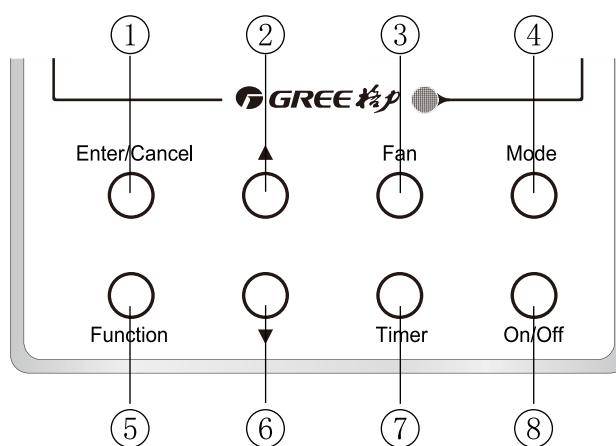
- ①. Cut off power supply before install the electrical components, it is forbidden to carry out the installation with power on;
- ②. Get one end of the 4 core communication cable, put it through the rectangular hole on the base board on the wire remote controller;
- ③. Hold the base board of controller on the wall, then fix it to the wall with M4x25 screw;
- ④. Plug the 4 core communication cable into the slot on the wired remote controller, then fix the controller panel with base board together;

3.2 Wired Controller XK02

3.2.1 Operation View

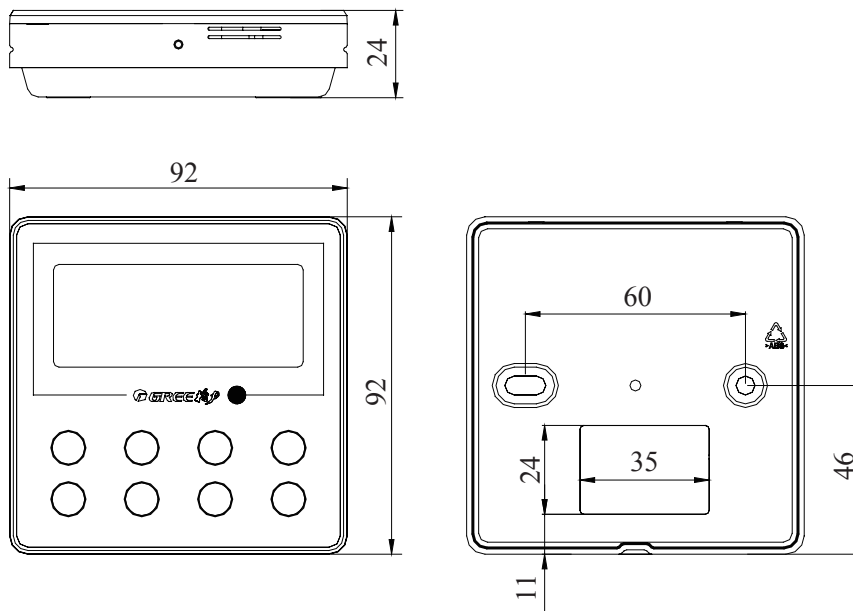


Denotation	Name	Function
	Swing	Swing function
	Sleep	Sleep states (3 types: sleep 1, sleep2 and sleep 3)
	Running mode	Running modes of the indoor unit (Cooling, Dry, Fan and Heating)
	Cooling	Cooling mode
	Dry	Dry mode
	Fan	Fan mode
	Heating	Heating mode
	Defrost	Defrosting state
	Gate-control card	Gate control
	Lock	Lock state
	TURBO	Turbo state
	Speed	High, middle, low or auto fan speed of the indoor unit
	Twinkle	It blinks under on state of the unit without operation of any button.
	Temperature	Ambient/preset temperature value
	Timing	Timing state
	SHIELD	Shield state (buttons, temperature, On/Off, Mode or Save is shielded by the remote monitor.
	MEMORY	Memory state (The indoor unit resumes the original setting state after power failure and then power recovery)
	MASTER	Master wired controller
	SAVE	Energy-saving state
	E-HEATER	Electric auxiliary heating state
	BLOW	Blow state
	QUIET	Quiet state(two types: quiet and auto quiet)

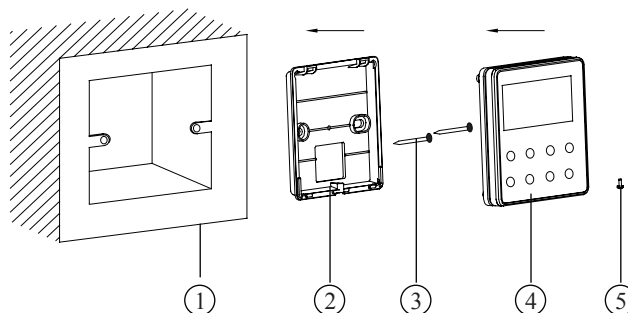


No.	Button(s)	Function(s)
1	Enter/cancel	1. Function selection and cancellation; 2. Press it for 5s to examine the outdoor ambient temperature.
2	▲	1. Running temperature setting of the indoor unit, range : 16~30°C 2. Timer setting, range:0.5-24hr
6	▼	3. Switchover between quiet/auto quiet or among sleep1/ sleep2 / sleep 3
3	Fan	Setting of the high/middle/low/auto fan speed
4	Mode	Setting of the Cooling/Heating/Fan/Dry mode of the indoor unit
5	Function	Switchover among the functions of Swing/Sleep/Turbo/ Master/Save/E-heater/Blow /Quiet etc.
7	Timer	Timer setting
8	On/Off	Turn on/off the indoor unit
4 + 2	Mode + ▲	Press them for 5s under off state of the unit to enter/cancel the Memory function (If memory is set, indoor unit after power failure and then power recovery will resume the original setting state. If not, the indoor unit is defaulted to be off after power recovery. Memory off is default before delivery.)
3 + 6	Fan + ▼	By pressing them at the same time under off state of the unit, ❄ will be displayed on the wired controller for the cooling only unit, while ❄ will be displayed on the wired controller for the cooling and heating unit.
2 + 6	▲ + ▼	Upon startup of the unit without malfunction or under off state of the unit, press them at the same time for 5s to enter the lock state, in which case, any other buttons won't respond the press. Repress them for 5s to quit this state.
4 + 5	Mode + Func	1. By pressing them under off state of the unit at the same time, the address of the wired controller will be displayed at once; 2. By pressing them for 5s under off state of the unit at the same time, the address setting is available.
1 + 5	Enter/Cancel + Func	By pressing them simultaneously, the address of the master wired controller will be displayed.
2 + 5	▲ + Func	By pressing them for 5s under off state of the unit at the same time, the control of the master wired controller can be canceled.
4+6	Mode + ▼	When the unit is turned off, press them for 5 seconds simultaneously, display panel will switch between °C and °F.
5+6	Function+ ▼	In any conditions, press them for 5 seconds to review status. Under reviewing status, Mode changes to "00" in temp display area and press "▲"/"▼" to adjust the display. Timer display area will show the s/n of error and error code. The final error shown is the 5th error.

3.2.2 Dimension



3.2.3 Installation of Wired Controller



No.	1	2	3	4	5
Name	Socket housing installed in wall	Base plate of controller	Screw M4X25	Control Panel	Screw ST2.2X6.5

Notice for installation under the guidance

- ①. Cut off power supply before install the electrical components, it is forbidden to carry out the installation with power on;
- ②. Get one end of the 4 core communication cable, put it through the rectangular hole on the base board on the wire remote controller;
- ③. Hold the base board of controller on the wall, then fix it to the wall with M4x25 screw;
- ④. Plug the 4 core communication cable into the slot on the wired remote controller, then fix the controller panel with base board together;

NOTE: See the T1/R410A/50Hz DC Inverter VRF Outdoor Unit Service Manual for other detailed control information related to the regional controller ZJA011, smart zone controller CE50-24/E, centralized controller CE51-24/E(M), and key-card control board MK03 etc.

INSTALLATION

INSTALLATION

1 Key Points of Installation

Installation Procedures		Description and Acceptance Criteria
Material Selection and Equipment Inspection		<ol style="list-style-type: none"> 1) The materials specified on the engineering drawing shall be purchased as specified (e.g. copper tube, thermal insulation tube, PVC pipe, power cables, air switch, etc); 2) The materials not specified on the engineering drawing shall be purchased according to the actual quantity of works (e.g. hanger frame, cable duct, etc); 3) Check if the outdoor unit, indoor unit, communication wires and accessories are complete.
Installation of indoor unit	Communication wire	Connection <ol style="list-style-type: none"> 1) The power cables shall be separated from communication wires at a least distance of 10cm. 2) To avoid breaking the communication wires, please do not use strong force; 3) For multiple units, please mark them properly. 4) Switch on indoor and outdoor unit, and ensure there is no display of "Communication Wire Error E6".
		Address dial code <ol style="list-style-type: none"> 1) Each indoor unit under the same system has a unique address dial code. 2) The wired controller and its corresponding indoor unit have the same address dial code.
	Remote Control <ol style="list-style-type: none"> 1) Select the remote control mode; 2) The centralized controller and communication module shall be installed free from the source of interference. 	
	Power cord <ol style="list-style-type: none"> 1) The power cable must meet the specifications. 2) The indoor units under the same system must be arranged under unified power supply. 	
	Drainage Pipe	Installation <ol style="list-style-type: none"> 1) The PVC pipes must meet the specifications. 2) A specific gradient must be provided along the water flow direction. 3) Carry out water detection after installation. 4) Carry out thermal insulation to the drainage pipe only after the water detection is accepted.
		Thermal insulation <ol style="list-style-type: none"> 1) The thermal insulation tube must meet the specifications. 2) Seal between the thermal insulation pipes to avoid air entry.
	Installation of Air Duct (when with high static pressure duct-type unit) <ol style="list-style-type: none"> 1) Design the length of air duct according to static pressure; 2) The air inlet shall be optimally designed to avoid too small size. 	
Installation of connection pipes	Welding <ol style="list-style-type: none"> 1) The copper tube must meet the specifications. 2) Ensure it is dry and clean inside the tube. 3) Make sure to charge nitrogen as required for protection when welding the tubes. 4) Please keep to the welding process and ensure the system free of leakage. 5) Add a dual-way filter on liquid pipe side. 6) For multiple systems, please mark them properly. 7) Carry out leakage detection under pressure after welding. 	
	Purge and make leakage detection under pressure <ol style="list-style-type: none"> 1) Purge the system clean. 2) Keep the pressure for 24 hours. 3) Except for the influence by temperature, it is deemed acceptable if pressure drop is within 0.02MPa. (With the temperature change by 1°C, the pressure will change by approx. 0.01MPa). 	
	Thermal insulation <ol style="list-style-type: none"> 1) The thermal insulation tube must meet the specifications. 2) Seal between the thermal insulation pipes to avoid air entry. 	
Installation of outdoor unit <ol style="list-style-type: none"> 1) Select the installing position correctly. 2) Build the foundation according to the anchor bolt position and the dimension of outdoor unit; 3) Build the damping device properly. 4) Avoid sharp knock when handling the outdoor unit. The inclination angle shall not be higher than 15°. 		
Connection of indoor unit and outdoor unit <ol style="list-style-type: none"> 1) Tighten the nuts; 2) Provide proper protection to the outdoor connection pipe, communication wires and power supply. 		
Leakage detection under pressure <ol style="list-style-type: none"> 1) Keep the pressure for 24 hours. Except for the influence by temperature, it is deemed acceptable if pressure drop is within 0.02MPa. (With the temperature change by 1°C, the pressure will change by approx. 0.01MPa). 		
Vacuuming <ol style="list-style-type: none"> 1) Establish vacuum simultaneously in the gas pipe and liquid pipe; 2) The vacuuming time shall be long enough. 3) Put still for 1 hour after vacuuming. It is deemed acceptable if the pressure will not rise. 		
Add refrigerant Add refrigerant according to the volume as specified on the engineering drawing.		
Open the valve of outdoor unit		
Commissioning of complete unit		

Remarks:

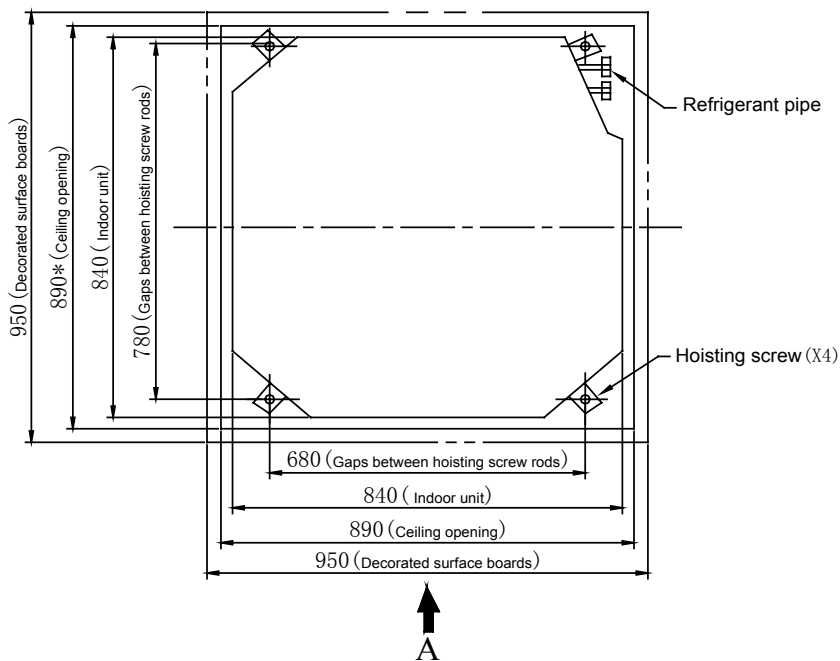
- 1) Described above are general working procedures. The procedures might vary with the site conditions.
- 2) For detailed installation rules, please see the description in each chapter.

2 INSTALLATION OF INDOOR UNIT

2.1 Cassette Type

2.1.1 Dimensions Data

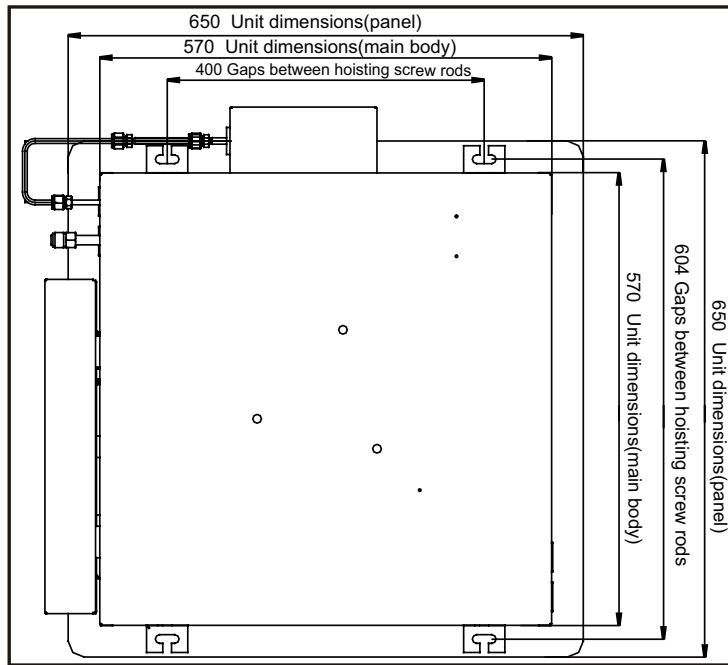
GMV(L)-R28T/Na-K~GMV(L)-R140T/Na-K.



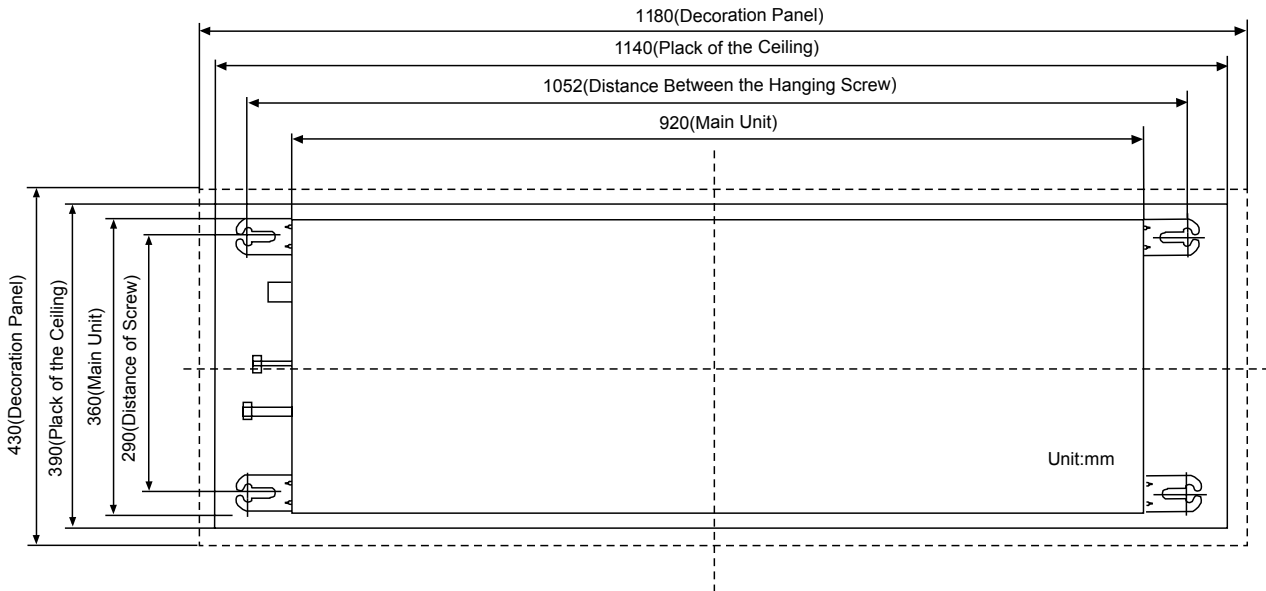
Model	Package Dimension	Width (mm)	Depth (mm)	Height (mm)
GMV(L)-R28T/Na-K		950	950	210
GMV(L)-R36T/Na-K		950	950	210
GMV(L)-R45T/Na-K		950	950	210
GMV(L)-R50T/Na-K		950	950	210
GMV(L)-R56T/Na-K		950	950	310
GMV(L)-R63T/Na-K		950	950	310
GMV(L)-R71T/Na-K		950	950	310
GMV(L)-R80T/Na-K		950	950	310
GMV(L)-R90T/Na-K		950	950	340
GMV(L)-R100T/Na-K		950	950	340
GMV(L)-R112T/Na-K		950	950	340
GMV(L)-R125T/Na-K		950	950	340
GMV(L)-R140T/Na-K		950	950	340

GMV(L)-R22T/ NaA-K~GMV(L)-R45T/ NaA-K.

Unit:mm

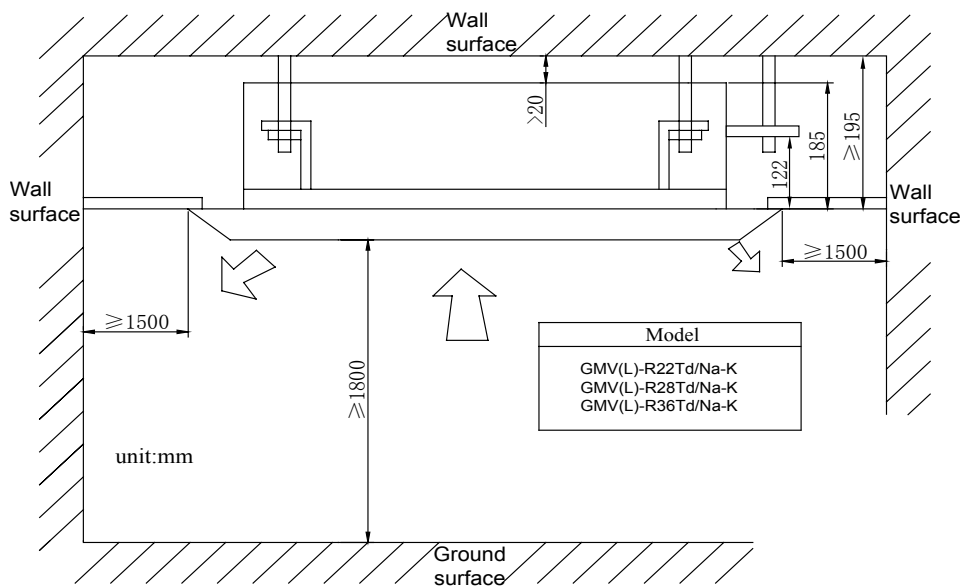
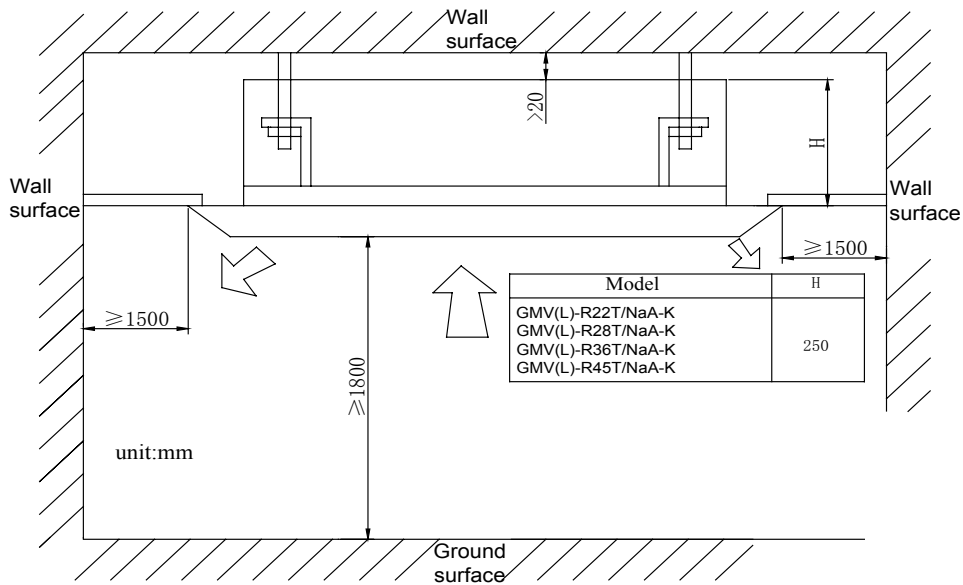
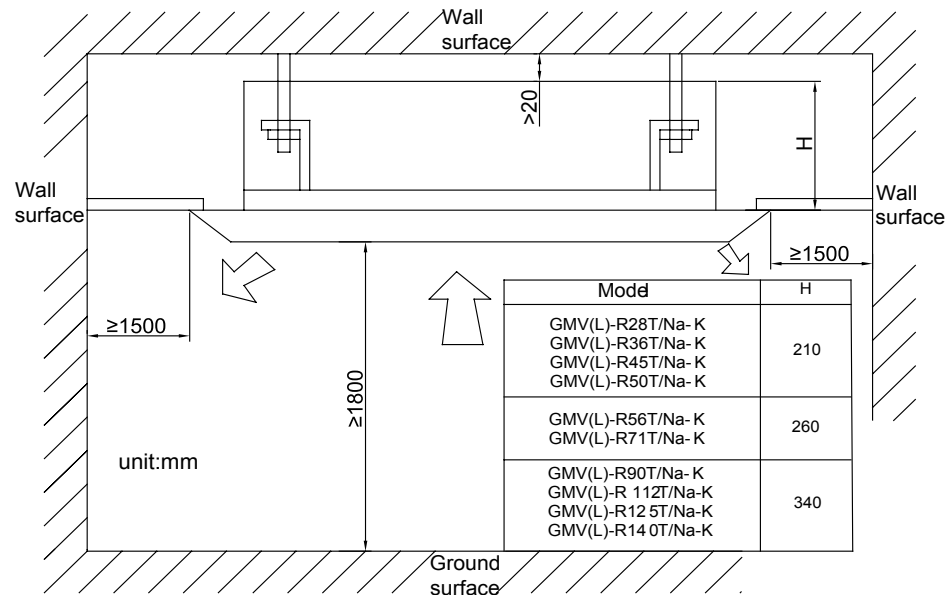


GMV(L)-R22Td/ Na-K~GMV(L)-R36Td/ Na-K.

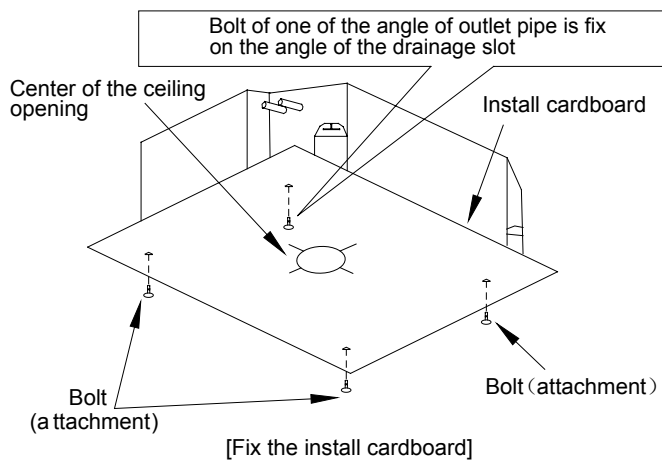
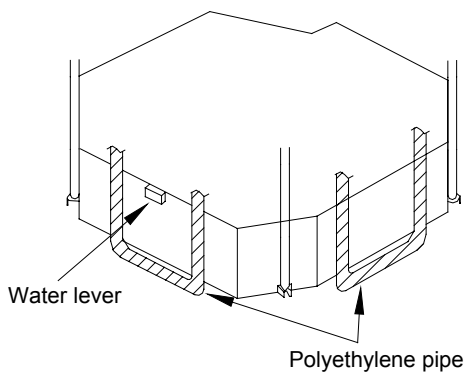
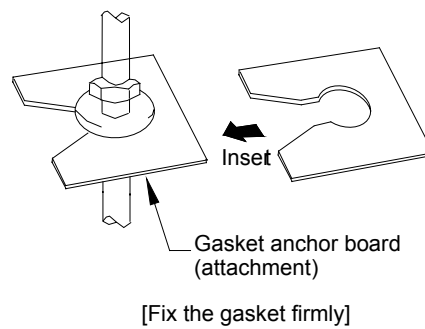
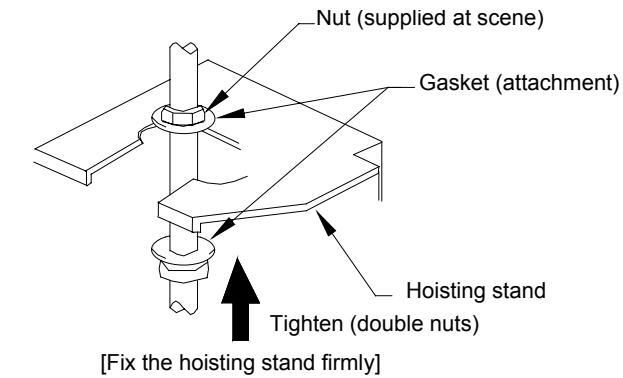


2.1.2 Installation space requirements

Unit:mm



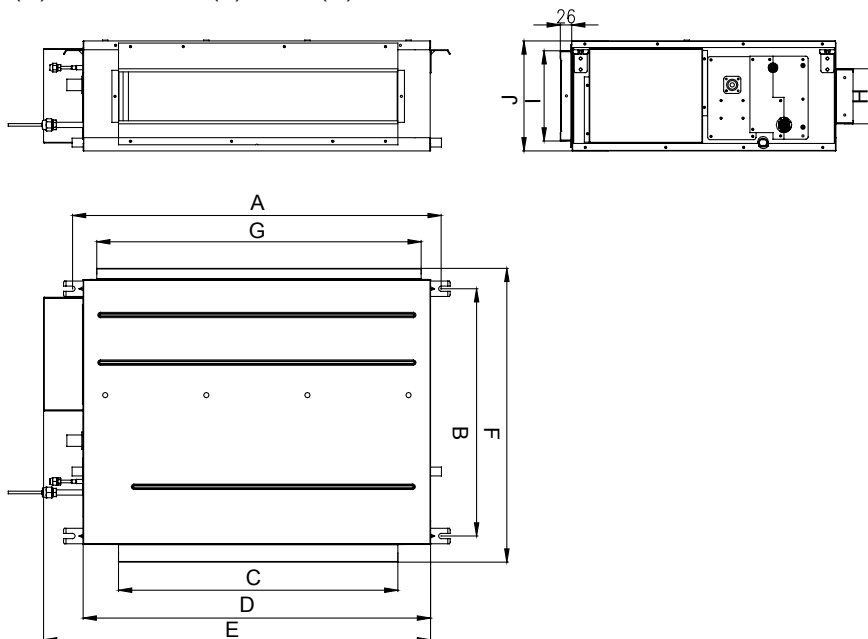
2.1.3 Installation



2.2 Air Duct Type

2.2.1 Dimensions Data

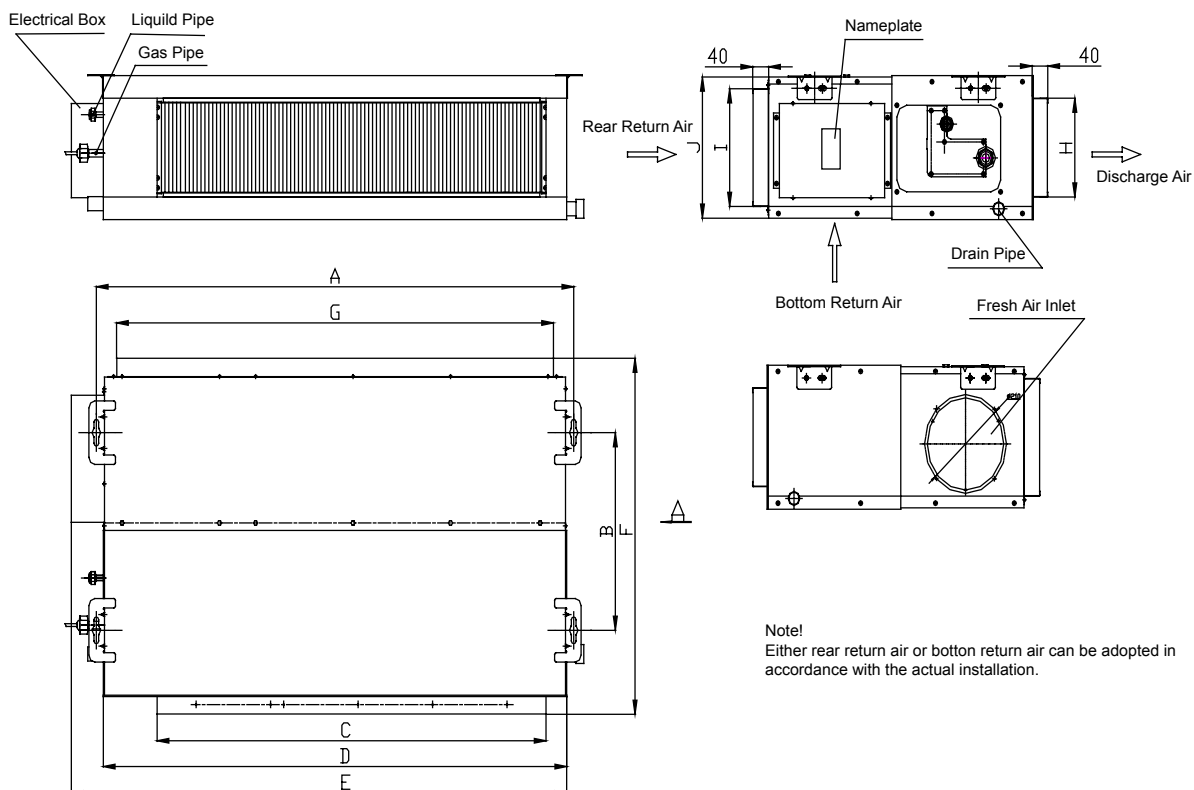
GMV(L)-R22P(S)/NaB-K~GMV(L)-R36P(S)/NaB-K.



Unit:mm

Model \ Item	A	B	C	D	E	F	G	H	I	J
GMV(L)-R22P/NaB GMV(L)-R22PS/NaB	838	561	667	125	635	790	880	205	250	738
GMV(L)-R28P/NaB GMV(L)-R28PS/NaB										
GMV(L)-R36P/NaB GMV(L)-R36PS/NaB										

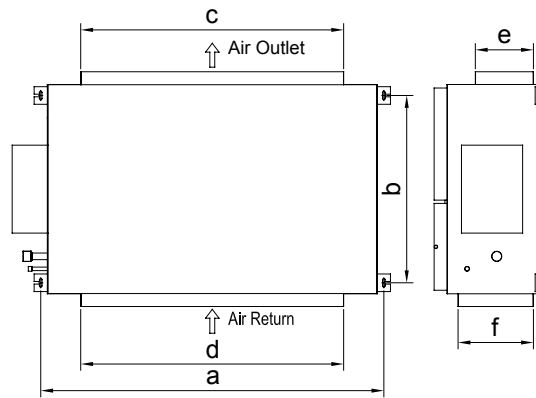
GMV(L)-R45P(S)/NaB-K~GMV(L)-R140P(S)/NaB-K.



Unit:mm

Model \ Item	A	B	C	D	E	F	G	H	I	J
GMV(L)-R45P/NaB-K GMV(L)-R45PS/NaB-K	932	430	738	892	980	736	738	125	203	266
GMV(L)-R56P/NaB-K GMV(L)-R56PS/NaB-K	1114	420	918	1074	1112	736	918	207	207	300
GMV(L)-R71P/NaB-K GMV(L)-R71PS/NaB-K										
GMV(L)-R90P/NaB-K GMV(L)-R90PS/NaB-K	1382	420	1155	1340	1425	756	1278	207	250	300
GMV(L)-R112P/NaB-K GMV(L)-R112PS/NaB-K										
GMV(L)-R140P/NaB-K GMV(L)-R140PS/NaB-K	1382	420	1155	1340	1463	756	1278	207	250	300

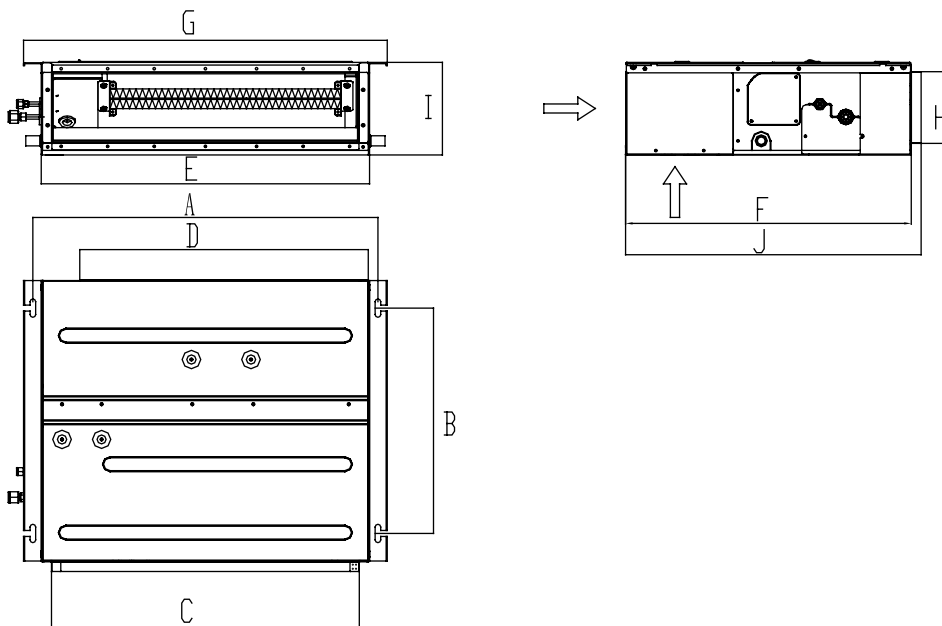
GMV-R224P/ NaB-M, GMV-R280P/ NaB-M.



Unit:mm

Model	a	b	c	d	e	f
GMV-R224P/ NaB-M GMV-R280P/ NaB-M	1560	910	1194	1194	292	342

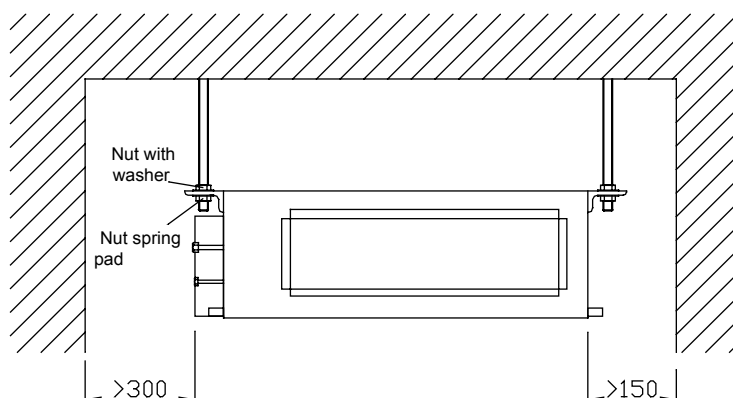
GMV(L)-R22PS/NaE-K~GMV(L)-R71PS/NaE-K.



Unit:mm

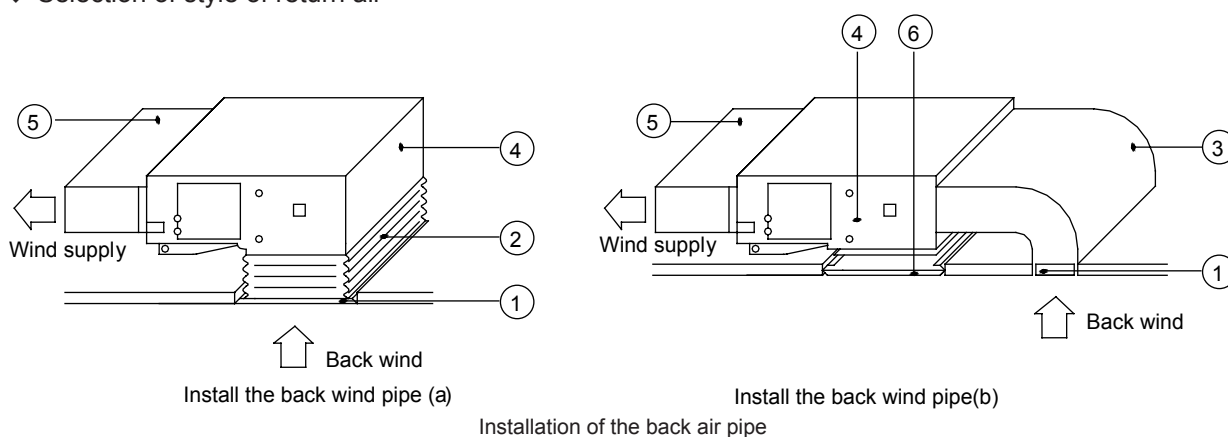
Model \ Item	A	B	C	D	E	F	G	H	I	J
GMV(L)-R22PS/NaE-K	742	491	662	620	700	615	782	156	200	635
GMV(L)-R28PS/NaE-K										
GMV(L)-R36PS/NaE-K										
GMV(L)-R45PS/NaE-K	942	491	862	820	900	615	982	156	200	635
GMV(L)-R56PS/NaE-K										
GMV(L)-R71PS/NaE-K										

2.2.2 Installation space requirements



2.2.3 Installation

◆ Selection of style of return air



Installation of the back air pipe

No.	Name	No.	Name
1	Return air vent (with filter)	4	Indoor unit
2	Canvas air pipe	5	Air supply pipe
3	Return air pipe	6	Test grill

◆ Installation the fresh air pipe

A. When the fresh air pipe is needed to be connected, cut the fresh air baffle as shown in fig.a, Plug up the gap of the fresh air baffle by sponge if the fresh air pipe is not be used.

B. Install the round flange so that the fresh air pipe can be connected as fig.b

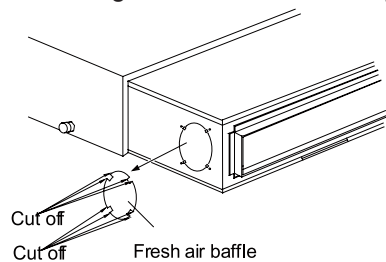


fig.a

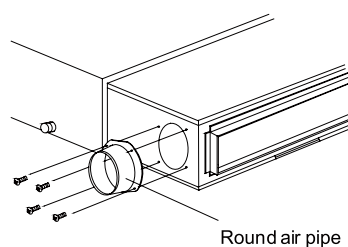
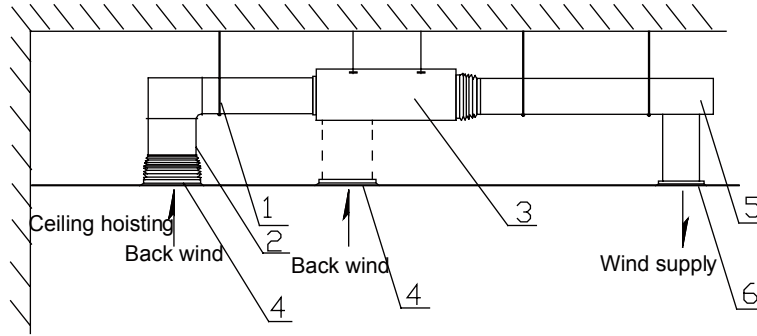


fig.b

C. Sealing and heat preservation should be done for both the air pipe and round flange pipe.

D. Fresh air should be treated via the air filter.

◆ Installation of the air supply pipe



Sketch of install ducted type unit

No.	1	2	3	4	5	6
Name	Hoisting	Return air pipe	Ducted type indoor unit	Return air vent	Air supply bent	Air outlet

◆ Setting hole for maintenance

After installation of hidden duct-type unit, manhole must be provided in ceiling on the electric box side of the indoor unit. In respect to the manhole, the following points must be taken into consideration:

- For access, the manhole size shall be larger than 500mm×500mm.
- The manhole must be at a possible easily accessible for repair of electric elements and pipe.
- The air inlet may also be used as manhole for repair of motor.

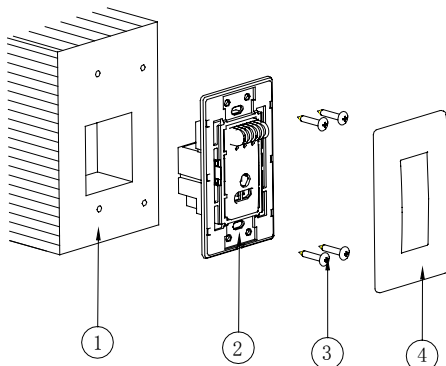
2.2.4 Operation Instruction to Receiver of Ducted Type Indoor Units

Outline Drawing



◆ Installation:

- Select the installation location of receiver according to dimension of communication wire and installation location of the unit and keep a notch and a embedding groove for installation of receiver and embedding of communication wire.
- Drill holes on the mounting wall according to the figure below. Put expansion plastic into each hole.
- Embed communication wire and fix the receiver with screws. Cover the front plate.



No.	Name
1	Wall or Ceiling
2	Receiver
3	Screw
4	Front Plate

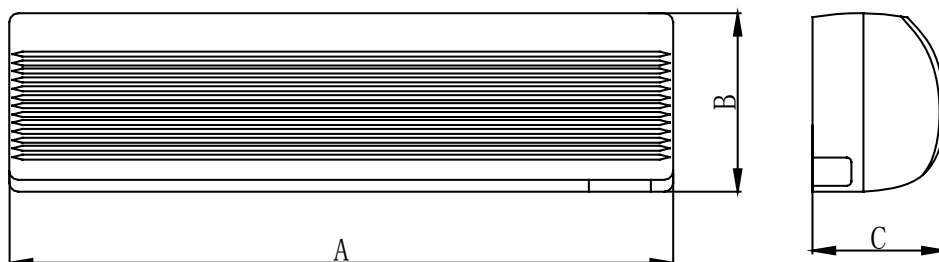
◆ Setting Procedure

Step 1: The unit is in the state without power.

Step 2: Set S7 functional DIP switch (For E series standard ducted type indoor unit, this step is omitted and step 3 is applicable). If receiver is selected, the S7 functional DIP switch on mainboard should be set.

2.3 Wall mounted type

2.3.1 Dimensions Data

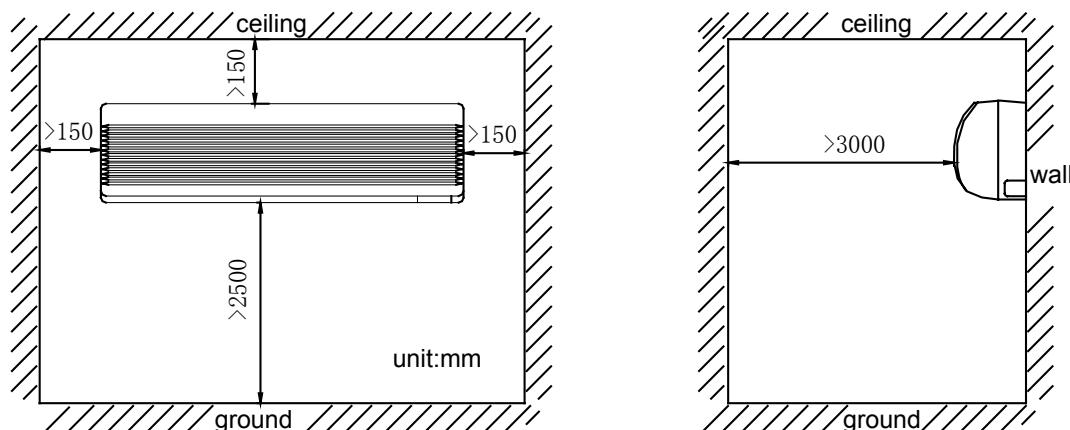


Model	GMV(L)-R22G/NaB-K GMV(L)-R22G/NaC-K	GMV(L)-R28G/NaB-K GMV(L)-R28G/NaC-K	GMV(L)-R36G/NaB-K GMV(L)-R36G/NaC-K	GMV(L)-R45G/NaB-K GMV(L)-R45G/NaC-K
A(mm)	770	770	830	830
B(mm)	250	250	285	285
C(mm)	190	190	189	189

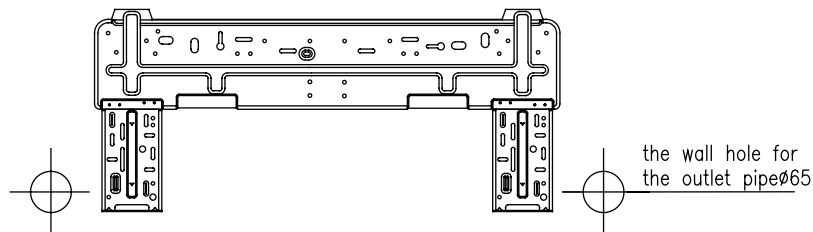
Model	GMV(L)-R50G/NaB-K	GMV(L)-R56G/NaB-K
A(mm)	1020	1020
B(mm)	310	310
C(mm)	228	228

Model	GMV(L)-R22G/NaG-K GMV(L)-R28G/NaG-K	GMV(L)-R36G/NaG-K GMV(L)-R45G/NaG-K GMV(L)-R50G/NaG-K	GMV(L)-R356G/NaG-K GMV(L)-R63G/NaG-K GMV(L)-R71G/NaG-K
A(mm)	843	940	1008
B(mm)	275	298	319
C(mm)	180	200	221

2.3.2 Schematic diagram of installation spaces



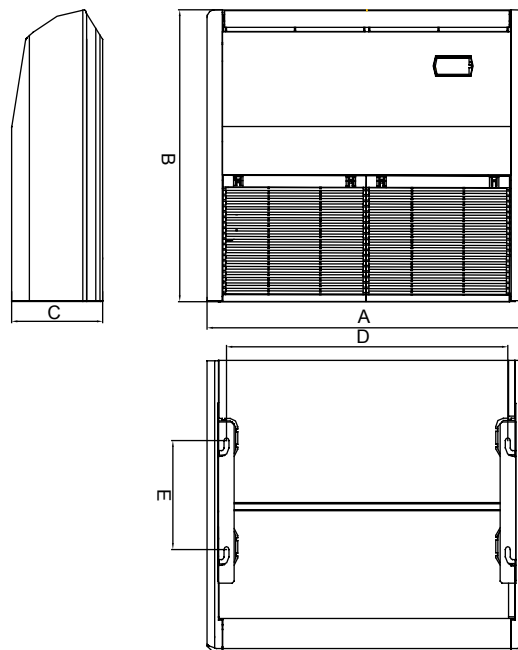
◆ The installation of the rear panel



- ◆ Preparation of the piping hole
- ◆ Installation of the drainage pipe
- ◆ Installation the connection pipes

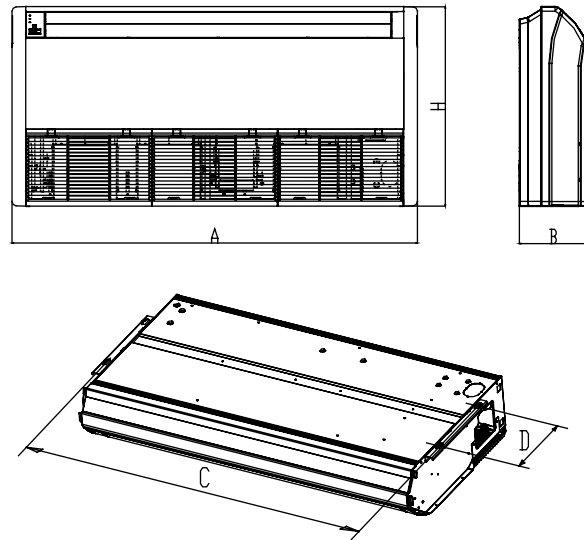
2.4 Floor Ceiling Type

2.4.1 Dimensions Data



Unit:mm

Model	Installation dimensions		Outline dimensions		
	E	D	A	B	C
GMVL-R28Zd/Na-K GMV-R28Zd/Na-K	260	745	840	695	238
GMVL-R36Zd/Na-K GMV-R36Zd/Na-K	260	745	840	695	238
GM(L-R50Zd/Na-K GMV-R50Zd/Na-K	260	745	840	695	238
GMVL-R71Zd/Na-K GMV-R71Zd/Na-K	260	1220	1300	600	188
GMVL-R90Zd/Na-K GMV-R90Zd/Na-K	260	1500	1590	695	238
GMVL-R112Zd/Na-K GMV-R112Zd/Na-K	260	1500	1590	695	238
GMVL-R125Zd/Na-K GMV-R125Zd/Na-K	260	1500	1590	695	238

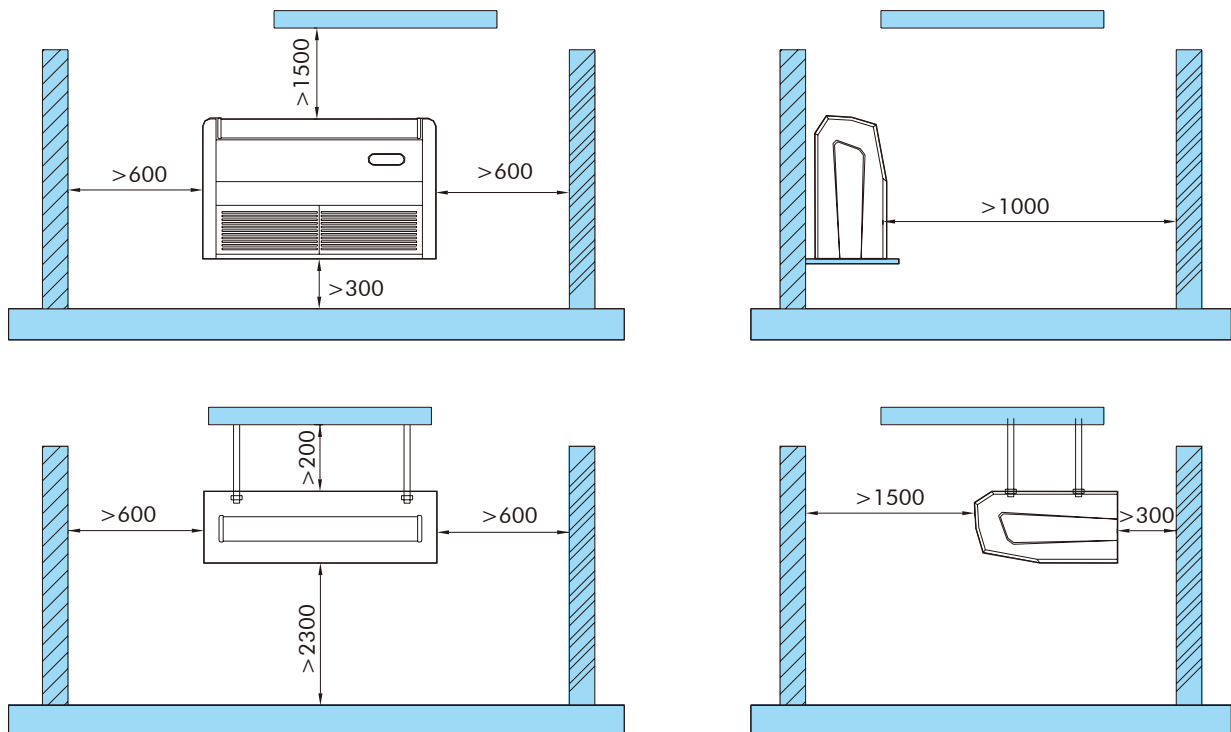


Unit:mm

Model	A	B	H	C	D
GMV-R28Zd/NaB-K	1220	225	700	1158	280
GMV-R36Zd/NaB-K					
GMV-R50Zd/NaB-K					
GMV-R71Zd/NaB-K	1420	245	700	1354	280
GMV-R90Zd/NaB-K					
GMV-R112Zd/NaB-K	1700	245	700	1634	280
GMV-R125Zd/NaB-K					
GMV-R140Zd/NaB-K					

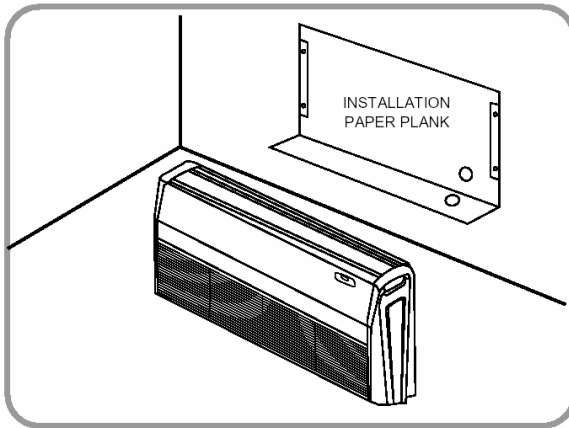
2.4.2 Space Dimension for Installation of the Unit

unit:mm

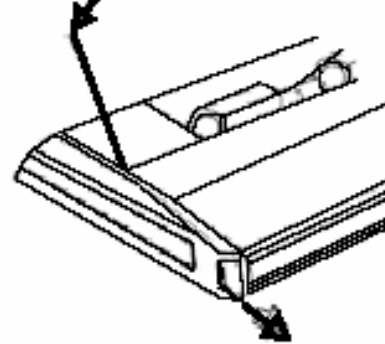


2.2.3 Installation

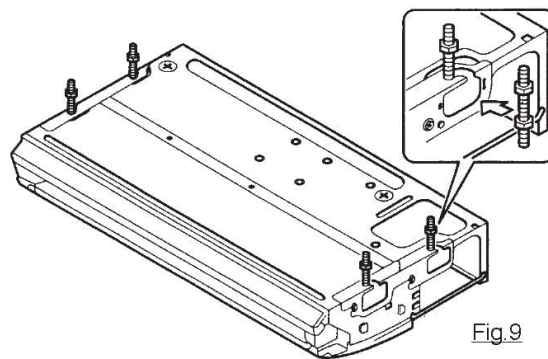
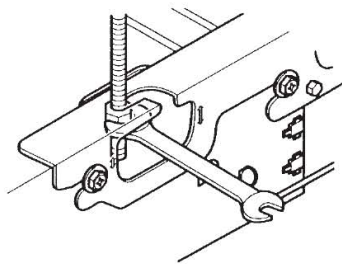
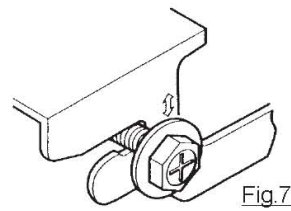
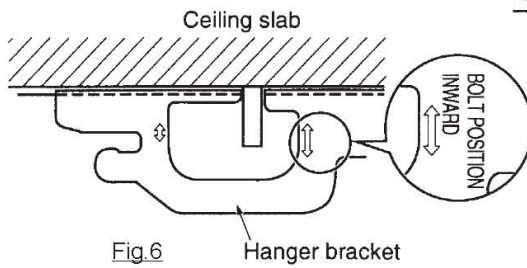
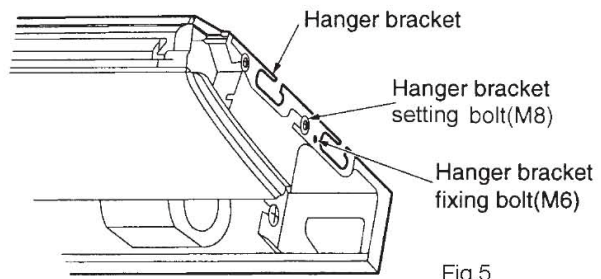
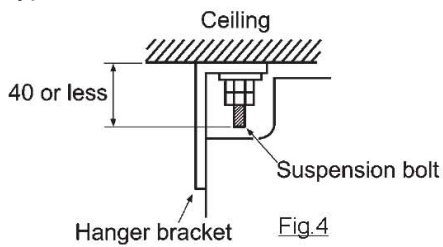
(1) Floor type



Side panel fixing screw
(M4)

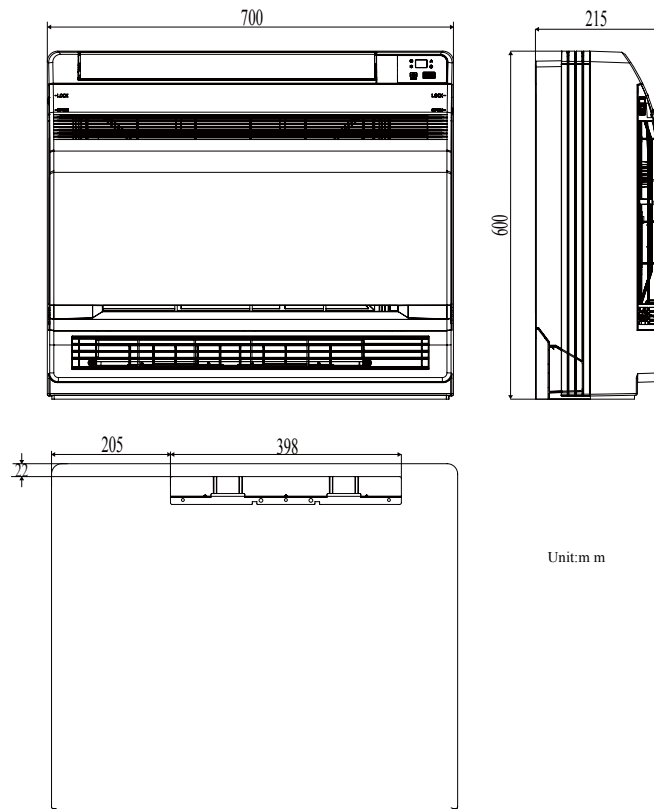


(2) Ceiling type

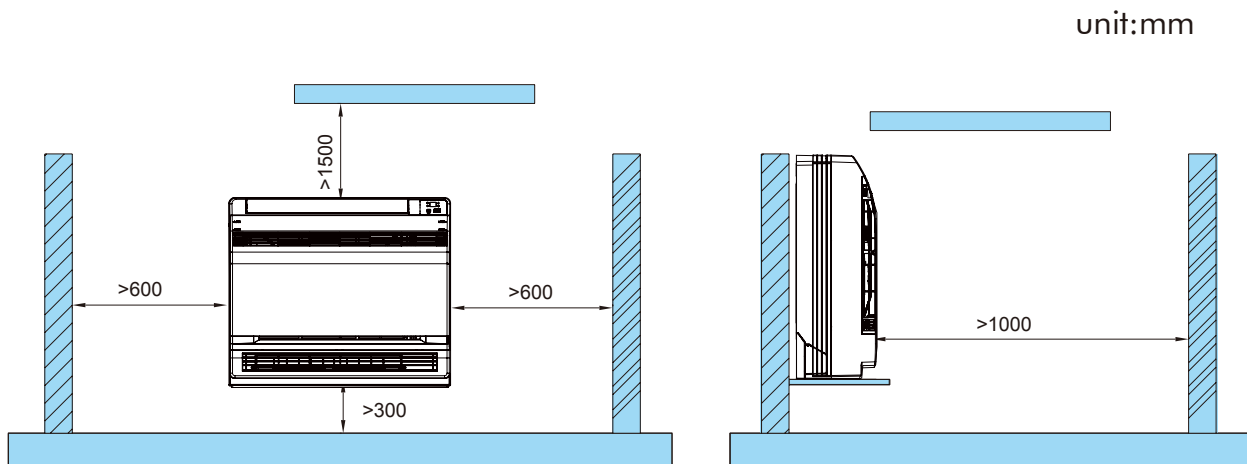


2.5 Floor And Wall Mounted Type

2.5.1 Dimension Data

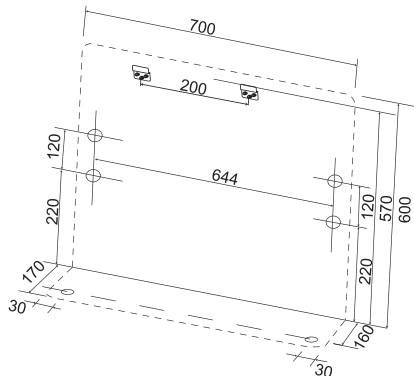


2.5.2 Schematic diagram of installation spaces

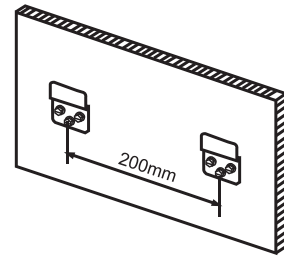


2.5.3 Installation

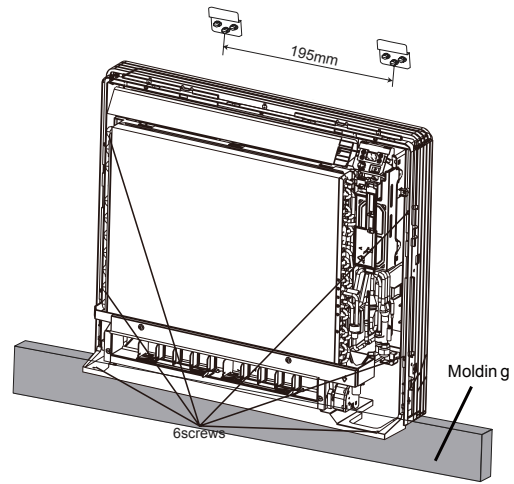
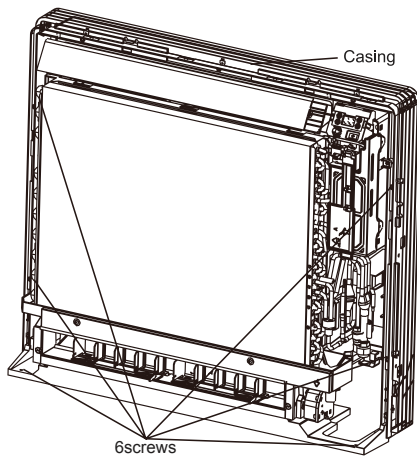
Floor type and wall type



Floor nstallation



Wall Installation



Exposed		Half concealed		Concealed	
Floor Installation		Wall Installation		Grid(field supply)	

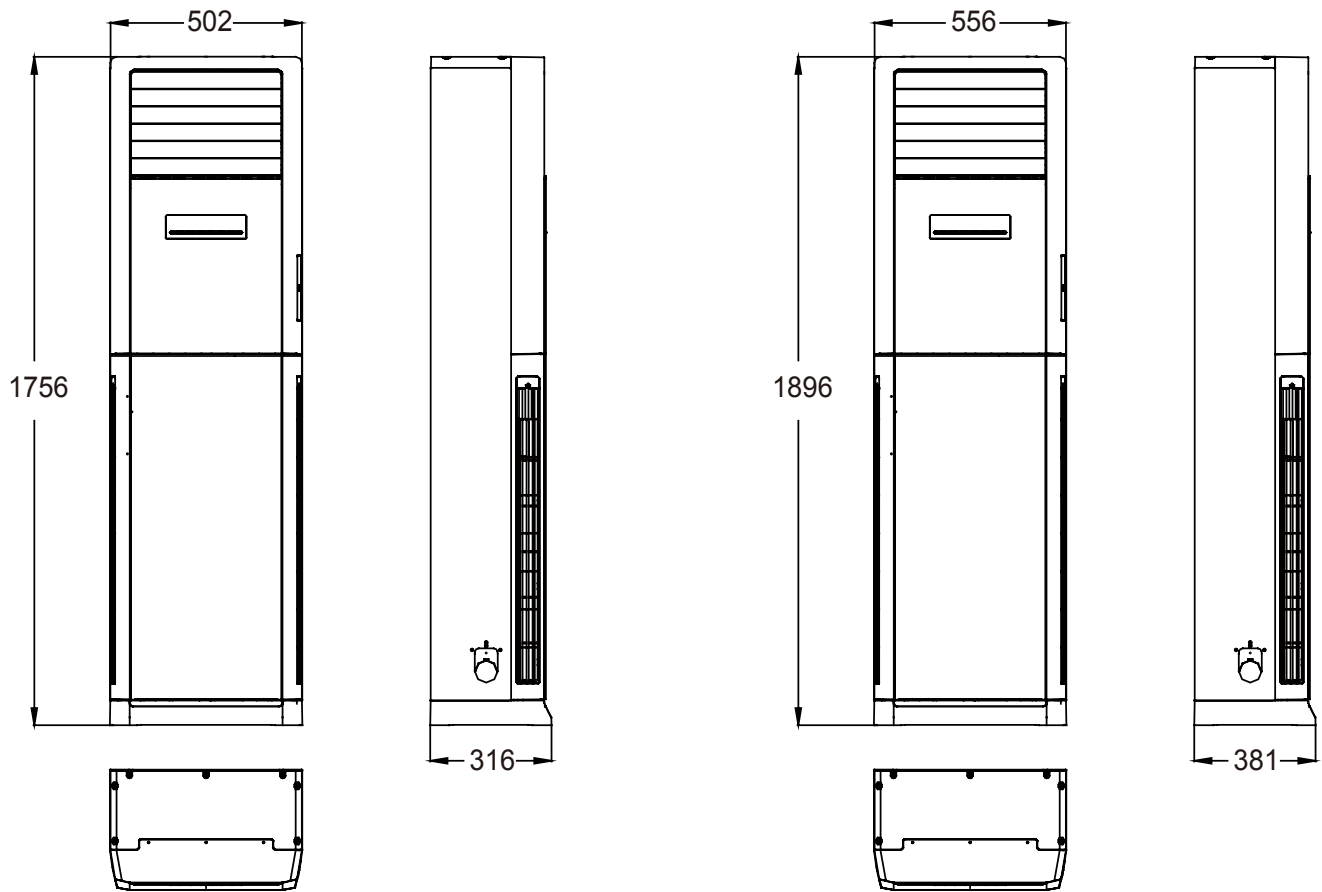
2.6 Floor Standing Type

2.6.1 Dimension Data

GMV-R71L/Na-K

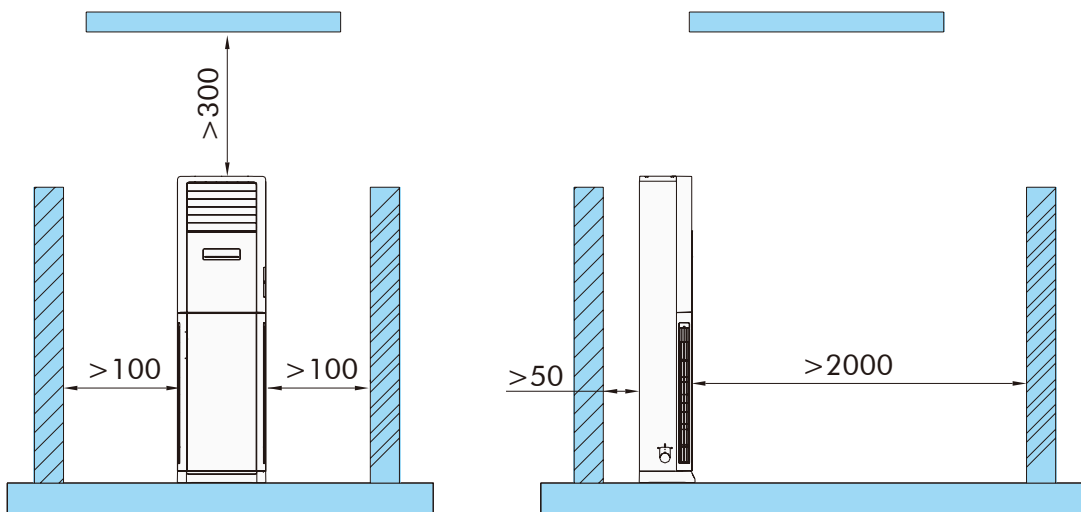
GMV-R100L/Na-K, GMV-R140L/Na-K

Unit:mm



2.6.2 Schematic diagram of installation spaces

unit:mm



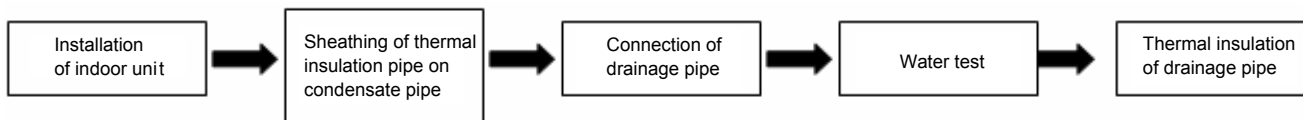
3 INSTALLATION OF CONDENSATE PIPE

3.1 Material Quality Requirements for Condensate Pipe

Generally, the condensate pipe shall be water supply U-PVC pipe, adhered by using special glue. The other materials available include: PP-R pipe, PP-C pipe and hot-dipped galvanized steel pipe. It is not allowed to use aluminum plastic composite pipe.

3.2 Key Points for Condensate Pipe Installation

◆ Work Order



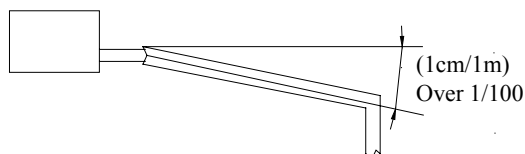
◆ Determine the direction and elevation of condensate pipe before installation. To ensure the gradient smooth and straight, avoid intersecting with other pipelines. The height of the clamp fixing the pipe hanger frame shall be adjustable and fixed from the outer of thermal insulation.

◆ Distance between hanger frames:

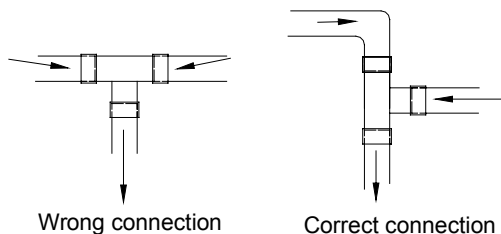
Outer diameter of water pipe (mm)	$\phi \leq 25$	$32 > \phi \geq 25$	$\phi \geq 32$
Spacing between horizontal pipes (mm)	800	1000	1500
Spacing between standpipes (mm)	1500		2000

Each standpipe shall have two hanger frames at least.

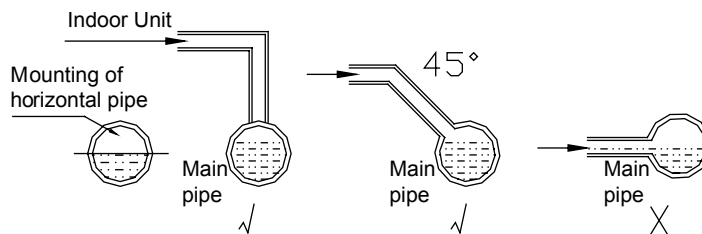
◆ The gradient of condensate pipe shall be over 1% and the gradient of main pipe shall not be less than 0.3%, while there shall be no overhanging slope.



◆ When connecting the 3-way section of condensate pipe, the 2-way straight section on 3-way pipe shall be on the same gradient. The two ends of 2-way section shall not have different gradient. See the schematics below:



◆ Confluence toward the horizontal pipe shall be best from the upper. Back flow is easy to occur if from the lengthwise direction.

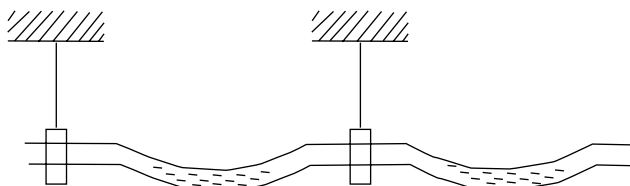


- ◆ Do not tie the condensate pipe and refrigerant pipe together.
- ◆ To ensure smooth drainage of condensate, a vent hole shall be set at the highest point of drainage pipe.
- ◆ Carry out water flow test and full water test after the pipe connection is completed. On one hand, check if the drainage is smooth; on another hand, check the piping system for any leakage.
- ◆ Steel sheath shall be provided to the pipe crossing the wall or slab. The pipe joint shall not be positioned

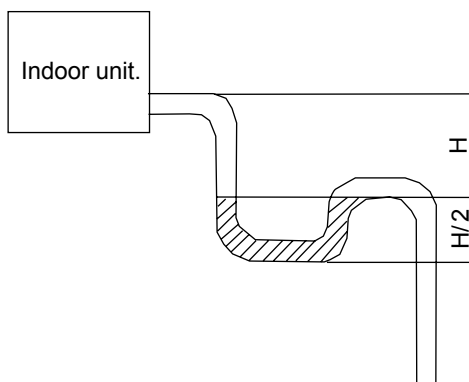
within the sheath. The steel sheath shall be flush with the wall surface or slab base, but 20mm higher than the slab base. The sheath shall not affect the pipe gradient. The clearance between pipe and sheath shall be blocked by using flexible inflammable materials. The sheath shall not be used as the supporting point of the pipe.

- ◆ The joint of thermal insulation materials must be adhered by using special glue and then wrapped with plastic tape having a width not less than 5cm to avoid condensing.
- ◆ The long drainage pipe may be fixed by using hanger bolts, thus to ensure a gradient of 1/100 (PVC cannot be bent).

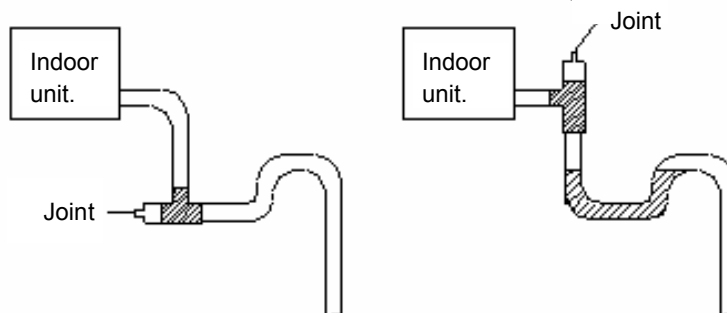
The spacing between the supports of horizontal pipe is 0.8-1.0m. Twisting will be caused and thus air bag will be formed if the spacing is too high. Once the air bag is formed, the pump can only compress the air bag no matter how forcible it pushes, but there is no flowing water, thus resulting in abnormal water level. This will cause flooding of the ceiling.



- ◆ If the air flow of indoor unit is high, this might cause negative pressure and result in return suction of outdoor air. Therefore, U-type water trap shall be designed on the drainage side of each indoor unit.



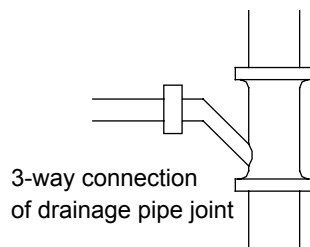
- Install water trap as shown below;
- Install one water trap for each unit.
- Installation of water trap shall consider easy cleaning in the future.



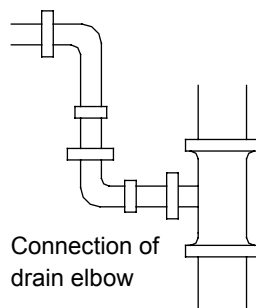
- ◆ Connection of drainage branch pipe to the standpipe or horizontal pipe of drainage main pipe.

The horizontal pipe cannot be connected to the vertical pipe at a same height. It can be connected in a manner as shown below:

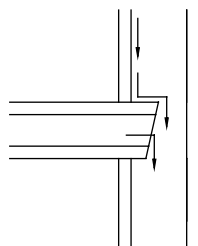
N01: 3-way connection of drainage pipe joint



NO2: Connection of drain elbow



NO3: Connection of horizontal pipe



Connection of horizontal pipe

Drainage pipe is requisite for air conditioner unit. During cooling, the moisture in the air will condense on the surface of evaporator. Such condensing water must be drained out of the unit. Meanwhile, the drainage pipe has an important role to determine if the air conditioner can play its full functions.

- ◆ All the condensate pipes must be installed at a distance over 500mm from the electric box of the unit.

3.3 Installation of Drainage Pipe for Different Types of Indoor Unit

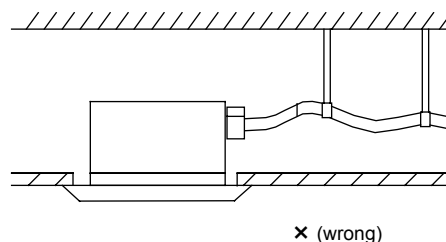
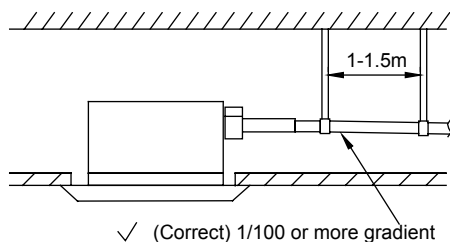
3.3.1 Duct-type (Including General Static Pressure and Low Static Pressure)

a) Installation of drainage pipe

- ◆ The diameter of drainage pipe shall be equal to or higher than the diameter of connection pipe. (PVC pipe: Dimension: Outer diameter 25mm, 32mm)

- ◆ The drainage pipe shall be short and has a down gradient of 1/100 at least, thus to avoid air bag.

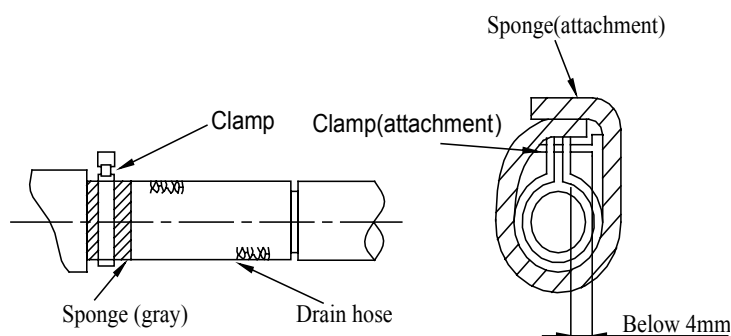
- ◆ To ensure that the drainage hose will not be bent and has enough gradient, a distance of 1 ~ 1.5m shall be kept between the hanger frames.



- ◆ Use drainage pipe and clamp.

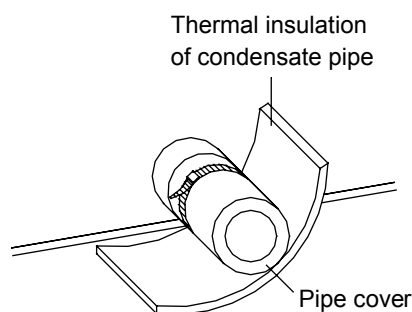
Insert the drainage hose to the root. From the middle of white tape, tighten the clamp until the tightening distance to the screw head is shorter than 4mm.

- For thermal isolation, use sealing tape to wrap the drainage pipe and clamp.
- The indoor drainage hose shall be thermally insulated.



C) To prevent foreign articles from entering the pipe, please minimize the bend of pipeline, thus to ensure cleanliness of the drainage elbow.

D) The drainage pipe must be wrapped with thermal insulation tube, thus to avoid condensing on the outer surface of drainage pipe. See below for the thickness of thermal insulation tube.



Drainage Pipe (mm) (Outer Dia.)	Thickness of Thermal Insulation Materials (mm)
Φ17	≥ 15
Φ27	≥ 20
≥34.9	≥ 20

Notes:

E) The inclination of drainage hose ① shall be within 75mm, so that the drainage insert will not bear excessive force.

F) To connect the drainage pipes for multiple machines, please use the method of multi-pipe collection, as shown below.

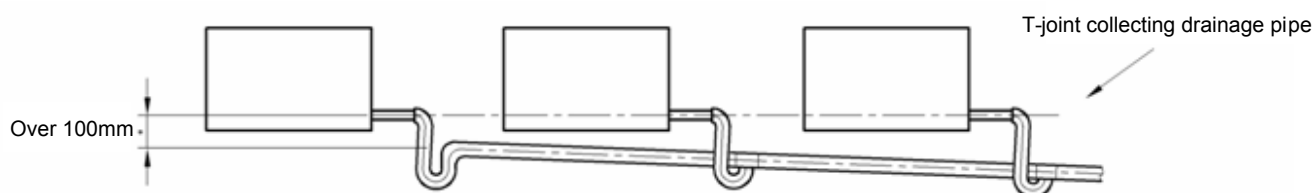


Fig. The specification of collecting drainage pipe shall be suitable to the working capacity of the unit

We may collect the drainage pipes of all the indoor units in one system (An outdoor unit and all the indoor units connected to this outdoor unit are called one system), or collect the drainage pipes of all the indoor units in several systems.

Note:

The ceiling height must be considered, and a specific gradient shall be ensured along the water flow direction.

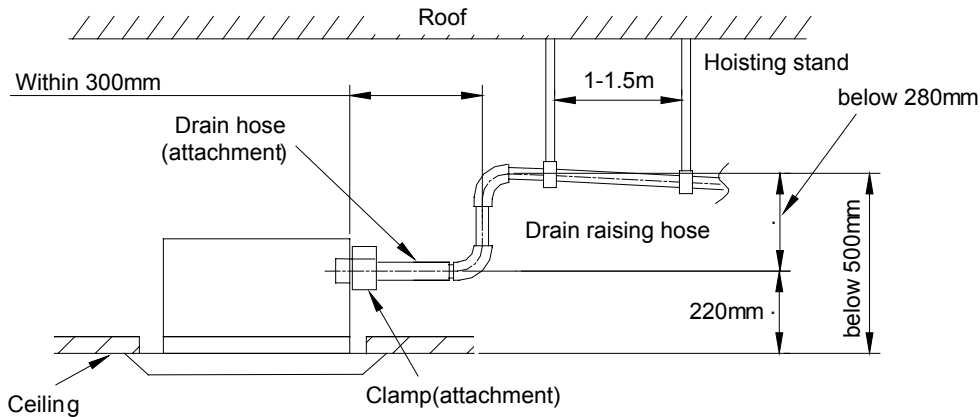
3.3.2 Cassette Type (Four-sided Outlet)

a) Installation of drainage pipe

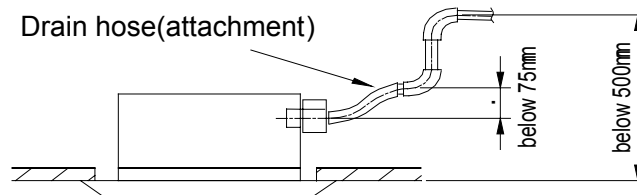
◆ The drainage pipe shall be installed to ensure smooth flow of water.

◆ The diameter of drainage pipe shall be equal to or higher than the diameter of connection pipe (PVC pipe) (exclusive of the rise section).

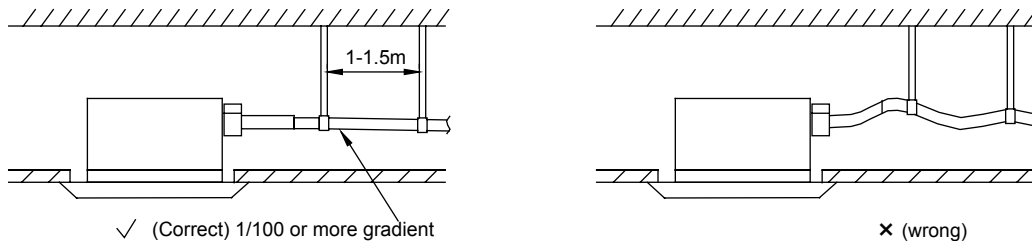
- ◆ The drainage pipe shall be short and has a down gradient of 1/100 at least, thus to avoid air bag.
- ◆ If the inclination of the drainage hose is insufficient, drainage rise pipe shall be mounted.
- ◆ The installing height of drainage rise pipe shall be less than 280mm.
- ◆ The drainage rise pipe shall be in right angle to the unit and the distance to the unit shall not exceed 300mm.



- ◆ The inclination of included drainage hose shall be within 75mm, so that the drainage insert will not bear excessive force.

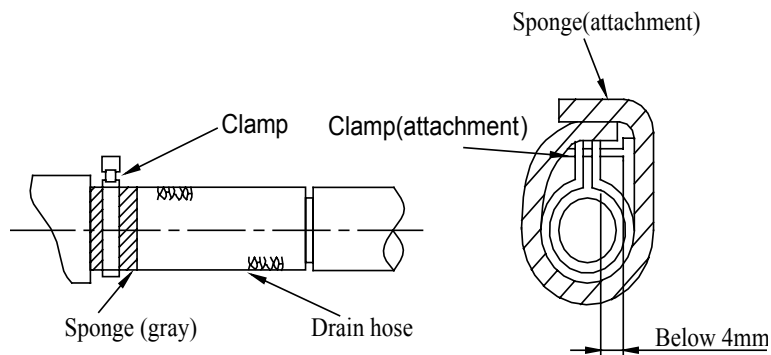


- ◆ To prevent the drainage hose from dropping downward, hanger rods shall be erected every 1.0~1.5m.

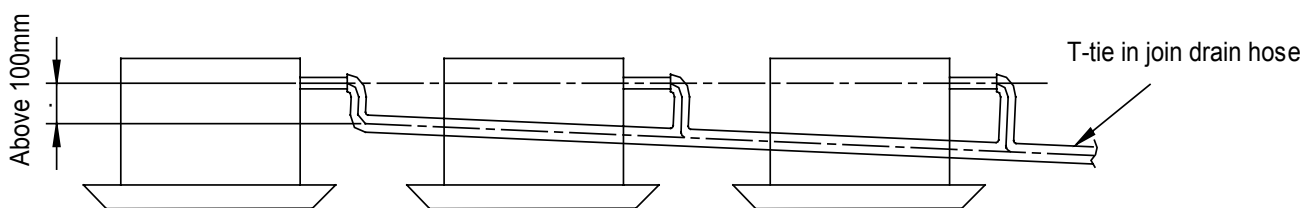


- ◆ Use the included drainage hose and clamp. Insert the drainage hose to the drainage port and tighten the clamp.

- ◆ For thermal insulation, wrap the big sponge to the drainage hose clamp.
- ◆ The indoor drainage hose shall be thermally insulated.



- ◆ To connect the drainage pipes for multiple machines, please use the method of multi-pipe collection, as shown below.



The specs of the selected join drain hose should fits the running capacity of the unit.

Fig. The specification of collecting drainage pipe shall be suitable to the working capacity of the unit

We may collect the drainage pipes of all the indoor units in one system (An outdoor unit and all the indoor units connected to this outdoor unit are called one system), or collect the drainage pipes of all the indoor units in several systems.

The ceiling height must be considered, and a specific gradient shall be ensured along the water flow direction. The cassette-type indoor unit is provided with water pump, and the maximum lift of its drainage pipe is 280mm.

◆ During installation, please take care that:

The diameter of drainage pipe connected to the indoor unit must meet the specifications. The pipe diameter shall not be too small; otherwise the water may overflow.

The main drainage pipe depends on the number of indoor units. Generally, it is required to be equal to or higher than $\phi 35\text{mm}$.

The drainage pipe shall be thermally insulated. The thickness of thermal insulation pipe must meet the requirements. The clearance between thermal insulation pipes shall be sealed with adhesive sticker.

Please discharge the water to the ground drain, water closet or any other place easy to drain the water out.

b) After installation, check if the drainage is smooth.

3.3.3 Wall-mounted Type

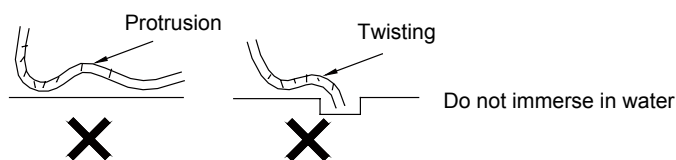
Assemble the drainage pipe as shown below and take measures to prevent condensing. Improper assembly of the drainage pipe may cause leakage, or even expose the furniture to moisture.

a) Assembly of drainage pipe

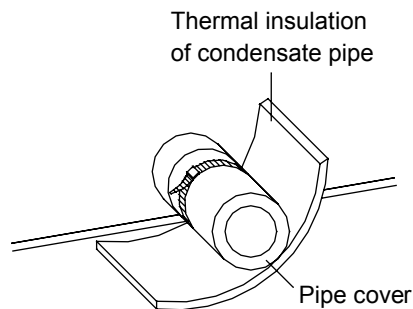
◆ To avoid air in water elbow, the drainage hose shall be kept as short as possible and inclined downward, as shown below.

◆ During connection, please use PVC pipe of equal size higher than this size (Nominal Dia.: 20mm; Outer Dia.: 26mm)

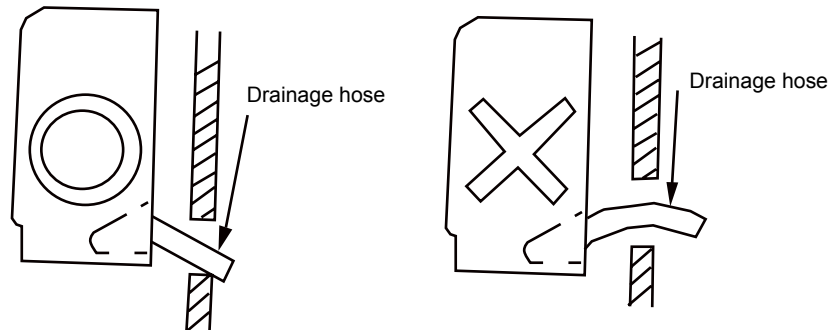
◆ The drainage pipe must be arranged in down inclination along water flow direction, thus to avoid air bubble blocking. Take care not to arrange the pipe in twisting, protrusion or waveform. Do not put the outlet of drainage pipe into water.



◆ The extended section of drainage hose shall be wrapped with thermal insulation sheath when passing the room.



◆ After installation of the drainage pipe, be sure to make water test and check if the water can be drained smoothly.



b) After piping work, check if the draining flow is smooth.

3.4 Test for Condensate Pipe

The water test for condensate pipe includes closed water test and drainage test. The closed water test is focused on checking if the drainage pipe system is well sealed and if there is any leakage. The drainage test is focused on checking if the drainage pipe system can drain water smoothly and thoroughly and ensuring that there is no water deposit (except the specially designed water trap).

After connection of the drainage pipe is completed, firstly carry out closed water test. Seal the outlet of drainage pipe with adhesive tape or plug. Then, fill water into the drainage pipe system from indoor unit side. Stop filling after ensuring that all the drainage pipes are filled with water. After 24 hours, check all the joints of water pipe for any leakage. If any, repair and reinstall. If no leakage, proceed to drainage test.

Remove the adhesive tape or plug from the drainage pipe. Check the water tray and drainage pipe of indoor unit if the drainage is thorough and if there is any water deposit. If any, readjust it. If not, complete the water test and proceed to the thermal insulation on all pipe joints.

3.5 Requirements of Heat preservation

◆ Heat Insulation Materials

The thermal insulation material of obturator foam shall be used. Fireproof level: B1.

The thermal conductivity shall not be higher than $0.035\text{w}/(\text{m}\cdot\text{k})$ when the average temperature is $0\text{ }^{\circ}\text{C}$.

◆ Thickness of thermal insulation layer

The thickness of thermal insulation layer on condensate pipe shall be over 10mm.

◆ The joint of thermal insulation materials must be adhered by using special glue and then wrapped with plastic tape having a width not less than 5cm to avoid condensing.

◆ Thermal insulation is not required for the outdoor section of condensate pipe.

4 ELECTRICAL INSTALLATION

4.1 Precautions for Electrical Installation

◆ The wiring must be in accordance with the local rules.

◆ Rated supply voltage and special circuit for air conditioner must be used.

◆ Do not pull the power cord.

◆ All the electric installations must be carried out by specialist technicians in accordance with the local

laws, rules and these instructions.

◆ The diameter of flexible wire should be wide enough. Replace the damaged power cord and connecting wire with special flexible wire.

◆ The earthing shall be reliable and connected to the special earthing device on the construction. The installation must be done by specialist technicians. The leak protection switch and air switch with enough capacity must be installed. The air switch shall have both the magnetic tripping and thermal tripping functions to ensure protection against the short circuit and overload.

● **Earthed Requirements**

◆ The air conditioner belongs to I type electric appliances. The reliable earthed action is a must.

◆ The yellow and green wire inside the air conditioner is the earthed wire. Do not use it for other purpose or even cut off it. Do not fix it with tapping screw,. Otherwise, it may cause electric shock.

◆ The earthed resistance must meet the requirements of national standard GB17790.

◆ There should be reliable earthed terminal for the power supply. Never connect the earth lead to the following articles:

- ① water pipe; ② gas pipe; ③ drain pipe; ④ unreliable place considered by professionals.

4.2 Dial-up of Unit

The DC inverter GMV unit of Gree is provided with three dial-ups, i.e. address dial-up, capacity dial-up and function dial-up. Adjust the function dial-up to set control, mode and function; Adjust the address dial-up to set the corresponding relationship of indoor unit and wired controller; Adjust the capacity dial-up to set capacity demand of indoor unit.

4.2.1 Function Dial-up

 **Caution!**

Functional dial switch S7 is located on the mainboard of the indoor unit. It is operated when the user need to change the default setting.

Functional dial switch S7			
Dial-up Switch	Functional Description:	Dial-up Setting	
		0 (ON Position)	1
1(S / R)	Setting of memory mode	Standby (S)	Restore (R)
2(L / I)	Setting of control mode	Wired control (L)	Remote control (I)
3(M / S)	Setting of master / slave indoor unit	Master indoor unit (M)	Slave indoor unit (S)
4(I / O)	Setting of ambient temperature acquisition point	Air inlet (I)	Receiver (O)
5(L / H)	Setting of high / low static pressure fan	Low static pressure (L)	High static(H)

Functional description of function dial-up:

Dial-up switch 1 (S/R):

Setting of memory mode, including the standby mode and restoration mode. The standby mode refers to that the previous parameters will be kept but the unit will not run automatically after the power supply is resumed. This setting is factory defaulted (dial-up switch pulled to “ON” position). For example, if the parameters of an indoor unit set before power shutdown are High Fan and 24°C, the unit will be under standby state after the power supply is resumed and after the unit is manually started, the parameters will remain as High Fan and 24°C. The restoration mode refers to that not only the previous parameters will be kept, but also that the unit can start automatically after the power supply is resumed. But if the unit is under STOP state before power shutdown, it will be also under STOP state after the power supply is resumed.

Dial-up switch 2 (L/I):

Setting of control mode, including wired control and remote control. The wired control mode refers to that the indoor unit is controlled from wired controller (hand controller). This setting is factory defaulted (dial-up switch pulled to “ON” position). When the setting is wired control mode, the function dial-up on S7 for “setting of memory mode” and “setting of master / slave indoor unit” will be disabled. These two settings can be done from

the wired controller directly. The remote control mode refers to that the indoor unit is controlled from remote controller. When the setting is remote control mode, its function dial-up must be set on S7.

Dial-up switch 3 (M/S):

The setting of master / slave indoor unit refers to the master / slave setting of indoor run mode, mainly used to meet the needs of special people on priority (e.g. leader, patients, etc). The factory default setting is that all indoor units are master (dial-up switch pulled to "ON" position).

When all the indoor units are set as slave, the outdoor unit will run according to the mode of slave indoor unit that is firstly started. If the mode of slave indoor unit started later has in conflict against the mode started earlier, the system will display mode conflict error, so that the indoor unit started later cannot work. In this case, the run mode of the unit is decided by the slave indoor unit that is firstly started.

When only one indoor unit is set as master, no matter if the master indoor unit is firstly started or not, the slave indoor unit will give out mode conflict error as long as its mode is in conflict against the mode of master indoor unit (except that the master indoor unit is stopped). In this case, the unit run according to the mode of master indoor unit on priority.

When several indoor units are set as master, the mode of master indoor unit with a lower address code will be taken as the master run mode of the unit. when the master indoor unit with the lowest address code is changed from STOP state to RUN state, the mode of other master indoor units or slave indoor units shall be kept identical to its mode; otherwise the system will give out mode conflict error. Therefore, when there are several master indoor units, the address code of the unit shall be set from lower to higher according to priority level.

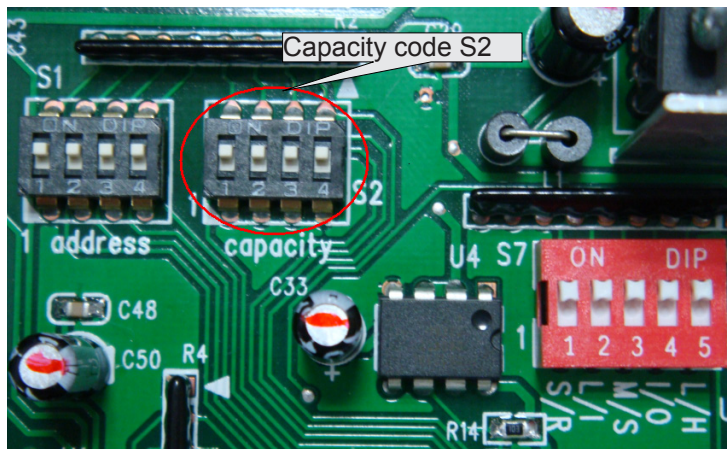
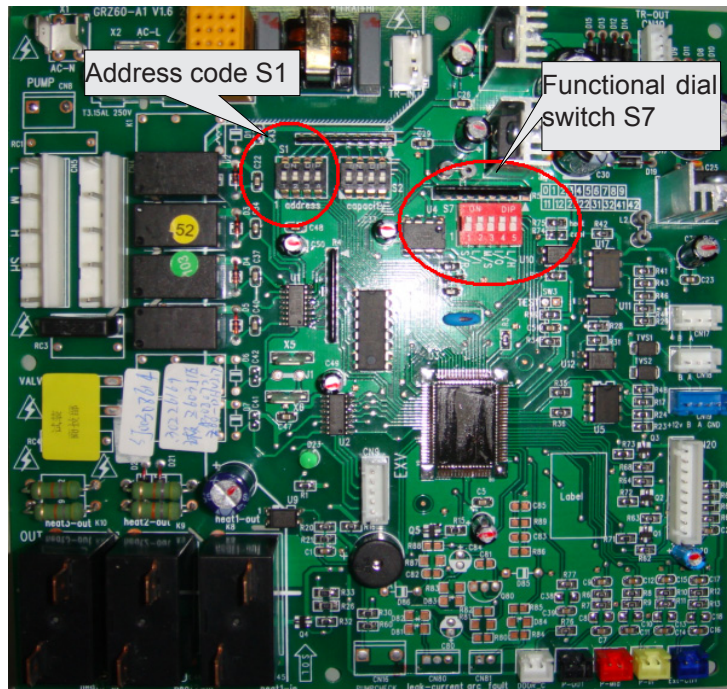
Dial-up switch 4 (I/O):

Setting of ambient temperature acquisition point. This setting is mainly used when the temperature of air conditioner area differs largely from the air inlet temperature of the unit. Meanwhile, this setting is only valid when the receiver is connected, including the setting of temperature acquisition point at air inlet and setting of the temperature acquisition point at receiver head. The factory default setting is acquisition of air inlet temperature (dial-up switch pulled to "ON" position).

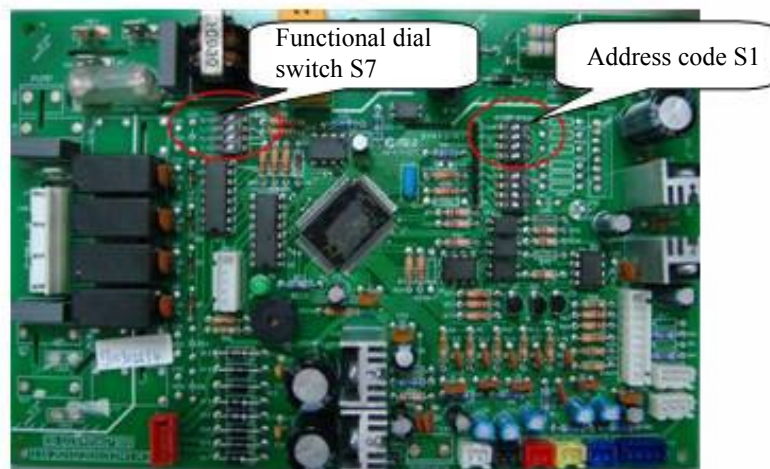
Dial-up switch 5 (L/H): Setting of high / low static pressure fan. This setting includes the setting of high static pressure fan and low static pressure fan, adjusted as needed for the project. The factory default setting is low static pressure fan (dial-up switch pulled to "ON" position).

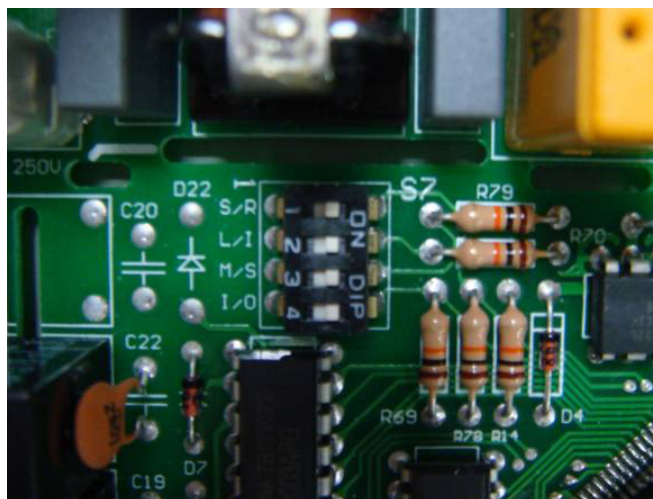
Cautions:

- 1) The above settings must be done under power shutdown state.
- 2) The dial-up switch of function code is classified into 3-bit code, 4-bit code and 5-bit code. 3-bit code is used for wall mounted type unit ,console type and cassette type unit. 5-bit code is used for duct-type unit and floor ceiling type unit.
- 3) When the "setting of control mode" is "L", the function dial-up for "setting of memory mode" and "setting of master / slave indoor unit" will be disabled. When the "setting of control mode" is "I", this function dial-up setting is enabled.
- 4) The dial-up switch shall be put to position correctly, and shall not be put to middle position. Dialing of the switch to "ON" position indicates "0" and the dialing to opposite direction indicates "1".
- 5) After dialing up, please mark the address code of the unit(√).



Mainboard of 5-bit functional dial-up





Mainboard of 4-bit functional dial-up

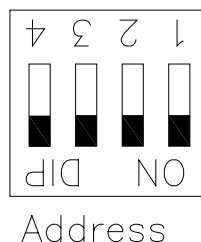
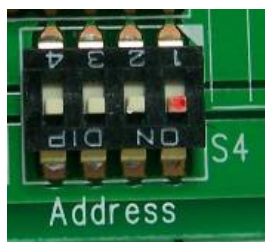
4.2.2 Address code

Address dial-up must be set for the multi indoor units; otherwise the abnormal communication will be caused to the unit. The address code has 4-bit dial-up in total. The highest address is 16 and the lowest address is 1.

⚠ NOTES!

To use multiple indoor units in parallel, make sure to change the setting of address code before installation and guarantee that the address code of each indoor unit must be different (The address code is located on the mainboard of indoor unit). If wired controller is used, make sure to dial the address code of wired controller to the position same as the address code on corresponding indoor unit. (The address code of wired controller is located on the back of wired controller)

◆ Below is factory default setting:



The default setting of address dial-up code is 0000 and the address is 1 (See above for the position of dial lever).

◆ Dial-up Value

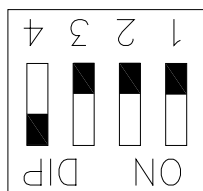
The dial-up value of address code is set in binary system. The dial-up value is "0" when the lever is dialed to "ON" end; the dial-up is "1" when the lever is dialed to numerical end on opposite side. For number 4~1 on the address code, the dial-up #4 refers to high bit and the dial-up 1# refers to low bit.

Dial-up Table (4-bit Dial-up Switch)				
4-bit	3-bit	2-bit	1-bit	Address
0	0	0	0	1
0	0	0	1	2
0	0	1	0	3
0	0	1	1	4
0	1	0	0	5
0	1	0	1	6
0	1	1	0	7
0	1	1	1	8
1	0	0	0	9
1	0	0	1	10
1	0	1	0	11
1	0	1	1	12
1	1	0	0	13
1	1	0	1	14
1	1	1	0	15
1	1	1	1	16

Example 1: If the dial value is “0111”, this represents that the serial number is “8”, the pins 1, 2 & 3 of the dial switch are dialed to the opposite end of “ON”, and the pin 4 is dialed to “ON”.

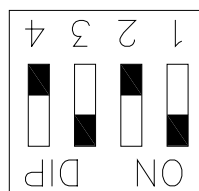
Example 2: If the dial value is “1010”, this represents that the address is “11”, the pins 2 & 4 of the dial switch are dialed to the numerical end, and the pin 1 & 3 are dialed to “ON”.

Refer to the following figure.



Address

Address 8, dial-up value 0111



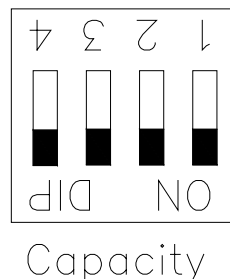
Address

Address 11, dial-up value 1010

5.2.3 Capacity Code

On the mainboard of indoor unit, two 4-bit DIP switches are used to distribute the address and capacity of indoor units. The 4-bit DIP switch (marked with “capacity” below) used for setting the capacity of indoor units is factory set before shipment of indoor unit, while it is covered by sealant, so that it cannot be changed by the user.

◆ Below is factory default setting:



Capacity

The default Capacity dial-up is the maximum capacity of indoor unit. As shown above, the capacity is (See above for the lever position)

◆ Dial-up Value

The dial-up value of capacity code is set in binary system. The dial-up value is “0” when the lever is dialed to “ON” end; the dial-up is “1” when the lever is dialed to numerical end on opposite side. For number 4~1 on the capacity code, the dial-up #4 refers to high bit and the dial-up 1# refers to low bit.

Dial-up Table (4-bit Dial-up Switch)				
4-bit	4-bit	4-bit	1-bit	Capacity
0	0	0	0	20
0	0	0	1	25
0	0	1	0	30
0	0	1	1	35
0	1	0	0	40
0	1	0	1	45
0	1	1	0	50
0	1	1	1	60
1	0	0	0	224
1	0	0	1	70
1	0	1	0	80
1	0	1	1	90
1	1	0	0	100
1	1	0	1	112
1	1	1	0	140
1	1	1	1	280

MAINTENANCE

MAINTENANCE

1 TROUBLE SHOOTING

1.1 Trouble Display of Indoor Unit

Error Code	Error	Source of error signal	Control description
E1	Compressor high pressure protection	High pressure switch	The high pressure protection value is 4.2MPa. When high pressure of a compressor is detected for successive three times, the compressor will stop. Error code E1 will be displayed and the running LED will blink.
E2	Indoor antifreezing protection	Temperature sensor of evaporator	When Tevaporator $\leq -2^{\circ}\text{C}$ lasts for 10min, the antifreezing protection will occur. The indoor electronic expansion valve will be closed and the capacity is 0.
E3	Compressor low pressure protection	Low pressure switch	When the low pressure protection value (0.15Mpa, absolute pressure) is reached, the low pressure switch will be disconnected. The low pressure protection will be displayed.
E4	Compressor discharge temperature protection	Discharge temperature sensor	When discharge temperature T is 113°C or higher, the stop protection will occur. E4 is displayed upon the first discharge protection. After discharge temperature is lower than $\text{TR}^{\circ}\text{C}$ and the unit stops for 3min, the compressor will resume running. If this occurs for three times in one hour, the compressor can not resume running. It is a must to cut off the power and restart the unit.
E5	Conversion overcurrent protection	Compressor driver	The driving board of conversion compressor is wrong. Refer to the error code of outdoor nixie tube for specific error information.
E6	Communication Error	Communication	There is communication error between the mainboard of indoor unit or wired controller and the outdoor unit. The wrong indoor unit will stop and display error code.
E7	Mode conflict	User operation	The running modes of the unit running first and that of later are variant. There is mode conflict among cooling, defrosting and heating mode. There is no mode conflict among fan, cooling, defrosting and heating mode. When mode conflict occurs, the indoor unit will display E7 and stop.
E9	Water full protection	Water pump	When the water is full for successive 8s, the water full protection will occur. The wired controller will display E9 and alarm will occur. In that case, the water pump will work while the other load of indoor unit will stop. The outdoor unit needs to adjust capacity output.
F0	Ambient temperature sensor error of indoor unit	Ambient temperature sensor of indoor unit	The indoor unit of temperature sensor error displays the error code and stop.
F1	Indoor coil pipe inlet temperature sensor error	Indoor coil pipe inlet temperature sensor	The indoor unit of temperature sensor error displays the error code and stop.
F2	Indoor coil pipe middle temperature sensor error	Indoor coil pipe middle temperature sensor	The indoor unit of temperature sensor error displays the error code and stop.
F3	Indoor coil pipe outlet temperature sensor error	Indoor coil pipe outlet temperature sensor	The indoor unit of temperature sensor error displays the error code and stop.
F4	Outdoor ambient temperature sensor error	Outdoor ambient temperature sensor	If short circuit occurs to the temperature sensor, there will be alarm.. The error information will be transmitted to each indoor unit, The error LED or wired controller will display the error code. When outdoor ambient temperature is lower than -5°C , the break circuit of outdoor temperature sensor will be shielded. It is treated according to -30°C .
F7	Outdoor defrosting temperature sensor error	Outdoor defrosting temperature sensor	If short circuit occurs to the temperature sensor, there will be alarm.. The error information will be transmitted to each indoor unit, The error LED or wired controller will display the error code. When outdoor ambient temperature is lower than -5°C , the break circuit of outdoor temperature sensor will be shielded. It is treated according to -30°C .
F9	Discharge temperature sensor error	Discharge temperature sensor	If short circuit occurs to the temperature sensor, there will be alarm.. The error information will be transmitted to each indoor unit, The error LED or wired controller will display the error code. When outdoor ambient temperature is lower than -5°C , the break circuit of outdoor temperature sensor will be shielded. It is treated according to -30°C .

Trouble display of mainboard LED of duct type indoor unit

Error	Error Code	Error	Error Code
Prevention against low temperature	E2	Error with oil temperature sensor 2 (digital)	Fb
Outdoor ambient temperature sensor error	F4	Indoor ambient temperature sensor error	F0
Outdoor tube-inlet sensor error	F5	Exhaust overtemperature	E4
Outdoor tube-middle sensor error	F6	Low-pressure protection	E3
Outdoor tube-exit sensor error	F7	Overcurrent Protector	E5
Error with exhaust temperature sensor 1 (fixed-frequency)	F8	High-pressure protection	E1
Indoor tube-inlet sensor error	F1	Communication error	E6
Indoor tube-middle sensor error	F2	High-pressure valve error	Fc
Indoor tube-exit sensor error	F3	Low-pressure valve error	Fd
Error with exhaust temperature sensor 2 (digital)	F9	Water-full protection (Cassette)	Eb
Error with oil temperature sensor 1 (fixed-frequency)	FA		

Trouble display of mainboard LED of cassette type indoor unit

Trouble name	Trouble LED		
	Electrical source LED	Operation LED	Timing LED
Tube-inlet sensor error	○	●	◐
Tube-middle sensor error	○	◐	◐
Tube-exit sensor error	○	◐	○
Room sensor error	○	○	◐
Defrost	○	◐	●
Antifreeze	●	●	◐
Water-full protection	●	◐	◐
Mode conflict	●	◐	○
Communication error	◐	◐	◐
Outdoor unit failure	◐	●	●
Auxiliary heater error	◐	○	○

Legend: bright ○; dark ●; blink ◐

Trouble display of mainboard LED of wall-mounted type indoor unit (LengJingwang)

Trouble name	Tube-inlet sensor error	Tube-middle sensor error	Tube-exit sensor error	Room sensor error	Defrost	Antifreeze	Mode conflict	Communication error	Outdoor unit failure
Electrical source LED	○	○	○	○	○	●	●	◐	◐
Operation LED	●	◐	◐	○	◐	●	◐	◐	●
Timing LED	◐	◐	○	◐	●	◐	○	◐	●

Legend: bright ○; dark ●; blink ◐

Trouble display of mainboard LED of wall-mounted type indoor unit (FengYun and FengXia)

Error	Tube-inlet sensor error	Tube-middle sensor error	Tube-exit sensor error	Room sensor error	Defrost	Antifreeze	Mode conflict	Communication error	Outdoor unit failure
Test lamp	Blink (1)				Bright	Dark	Blink	Blink (2)	Blink
Timer Lamp	Blink				Blink	Blink	Bright	blink	Dark

Notes: [1] Bright and dark intermittently; [2] Bright and dark simultaneously
Trouble display of mainboard LED of wall-mounted type indoor unit (Ling Ge Feng)

Error	Error Code	Error	Error Code
Prevention against low temperature	E2	Error with oil temperature sensor 2 (digital)	Fb
Outdoor ambient temperature sensor error	F4	Indoor ambient temperature sensor error	F0
Outdoor tube-inlet sensor error	F5	Exhaust overtemperature	E4
Outdoor tube-middle sensor error	F6	Low-pressure protection	E3
Outdoor tube-exit sensor error	F7	Overcurrent Protector	E5
Error with exhaust temperature ensor 1 (fixed-frequency)	F8	High-pressure protection	E1
Indoor tube-inlet sensor error	F1	Communication error	E6
Indoor tube-middle sensor error	F2	High-pressure valve error	Fc
Indoor tube-exit sensor error	F3	Low-pressure valve error	Fd
Error with exhaust temperature sensor 2 (digital)	F9	Mode conflict	E7
Error with oil temperature sensor 1 (fixed-frequency)	FA		

Trouble display of mainboard LED of floor ceiling type

Error	Electrical source LED	Error	Electrical source LED
Tube-inlet sensor error	○	●	◐
Tube-middle sensor error	○	◐	◐
Tube-exit sensor error	○	◐	○
Room sensor error	○	○	◐
Defrost	○	◐	●
Antifreeze	●	●	◐
Mode conflict	●	◐	○
Communication error	◐	◐	◐
Outdoor unit failure	◐	●	●
Auxiliary heater error	◐	○	○

Legend: bright ○; dark ●; blink ◐

1.2 Number of Indoor Unit

Note:

Press the SW3 button of outdoor unit for successive 2 times within 2s, and the number of indoor unit will be detected. In that case, LED1~ LED4 will blink in turn while LED5 and LED6 will be dark. The number of indoor unit will be shown 12s later.

Number of indoor unit	dispay					
	LED6	LED5	LED4	LED3	LED2	LED1
1	dark	dark	dark	dark	dark	light
2	dark	dark	dark	dark	light	dark
3	dark	dark	dark	dark	light	light
4	dark	dark	dark	light	dark	dark
5	dark	dark	dark	light	dark	light
6	dark	dark	dark	light	light	dark
:	:	:	:	:	:	:
:	:	:	:	:	:	:
62	light	light	light	light	light	dark
63	light	light	light	light	light	light

2 AFTER-SALES EMERGENCY MEASURES

When some unrecoverable fault occurs to one module which is connected with several others in parallel, the following emergency measures are recommended to guarantee the heating or cooling capacity of the indoor units and the service life of modules except the faulted one are not affected.

Step 1: set all indoor units under "Off" mode and cut off the power supply to the indoor and outdoor units.

Step 2: shut off all cutoff valves of the faulted outdoor unit, including the cutoff valves of the liquid/gas pipe as well as the oil balancing valve.

Step 3: cut off the air switch of the module.

Step 4: remove the communication line between the faulted module and other modules which are still kept connected through the communication line.

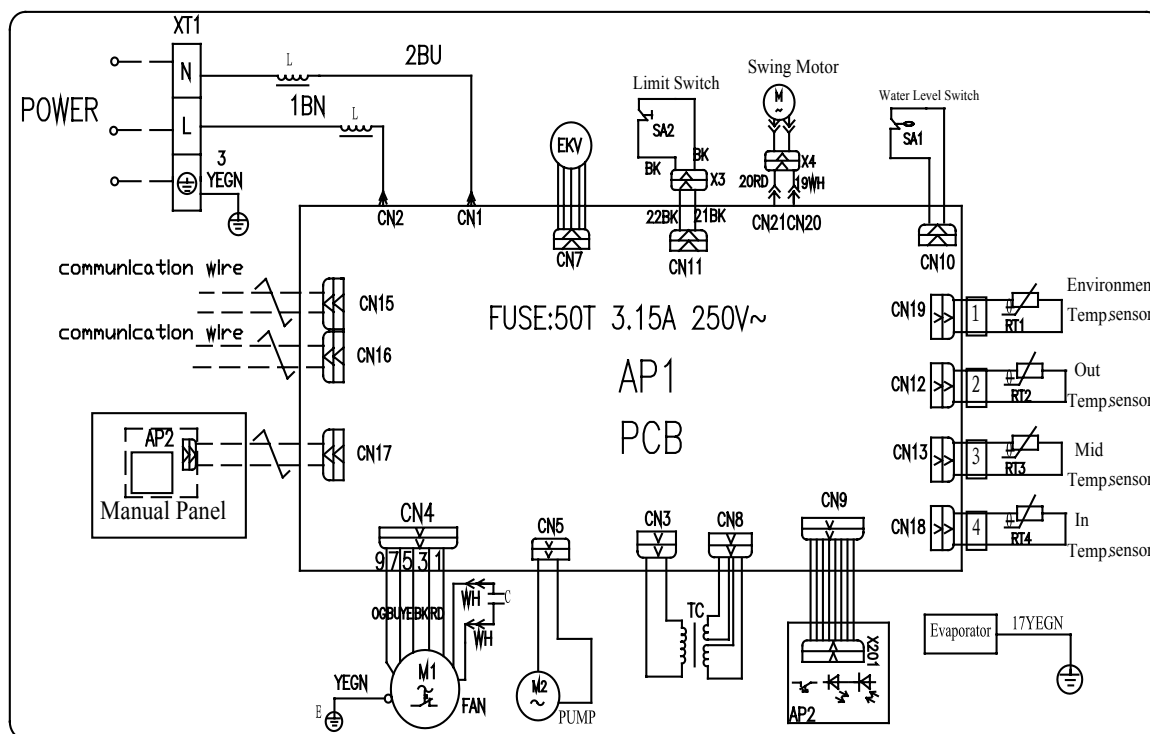
Step 5: readjust the address and quantity settings on the main board of the modules except the faulted one.

Step 6: power and restart the unit

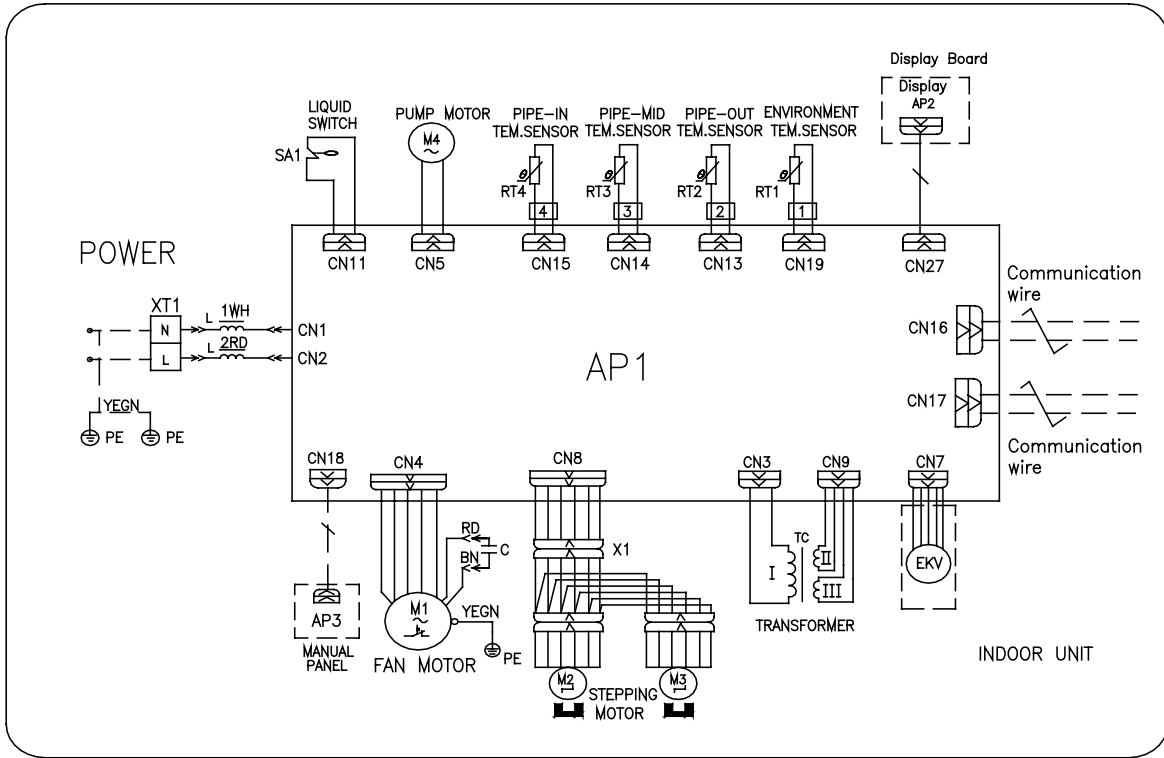
3 WIRING DIADRAM

3.1 Cassette Type Indoor Unit

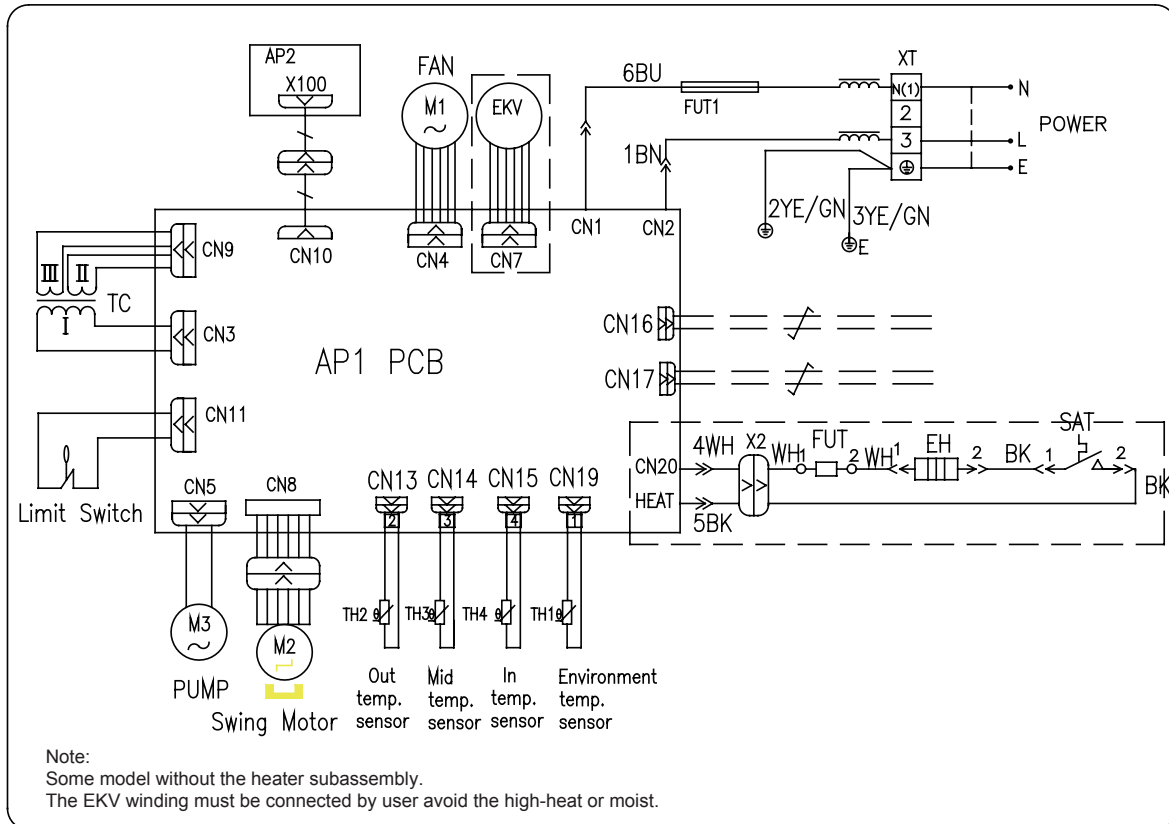
GMV(L)-R28T/Na-K~GMV(L)-R140T/Na-K.



GMV(L)-R22T/NaA-K~GMV(L)-R45T/NaA-K

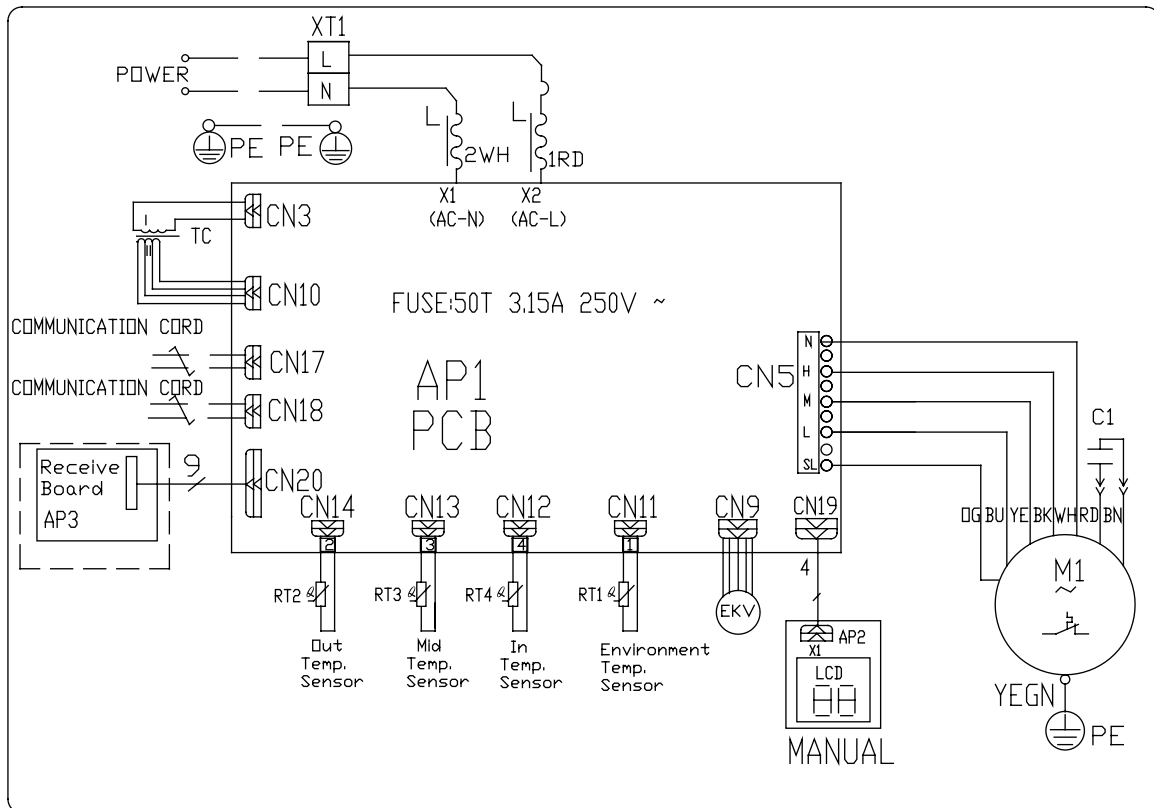


GMV(L)-R22Td/Na-K~GMV(L)-R36Td/Na-K

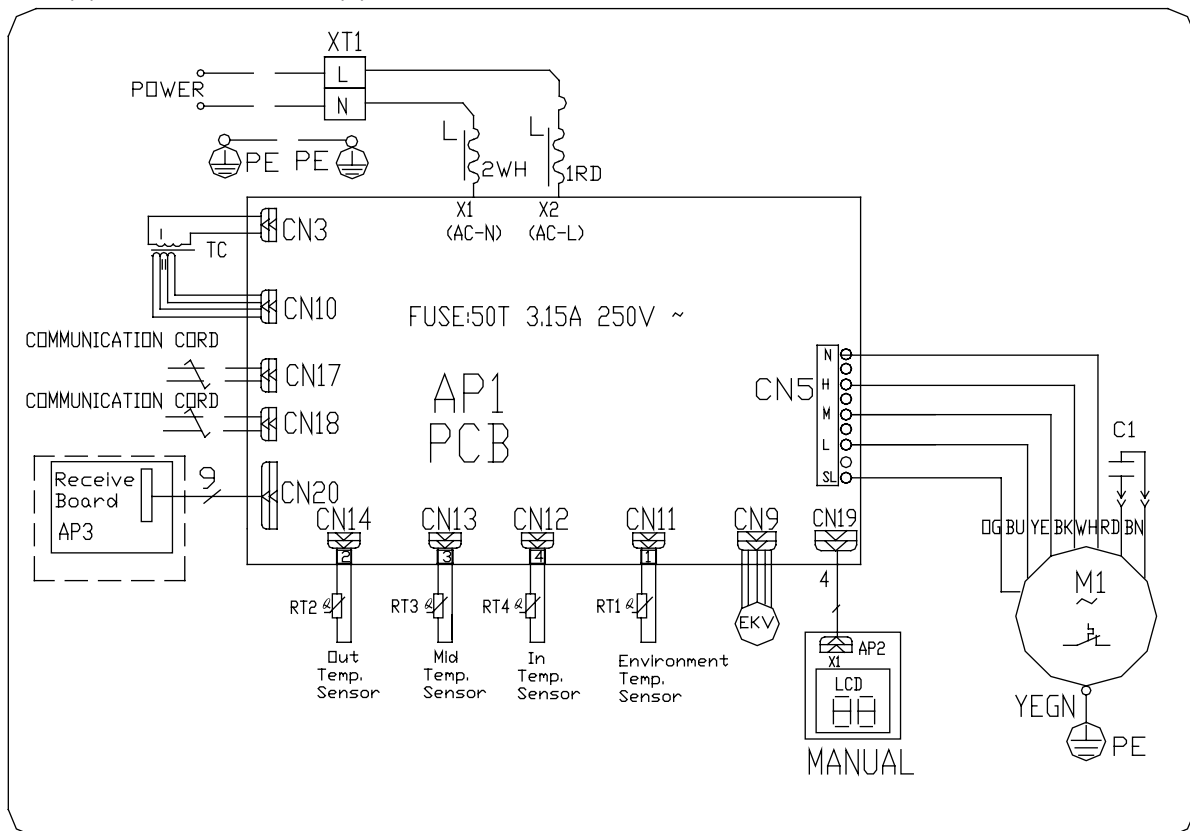


3.2 Duct Type Indoor unit

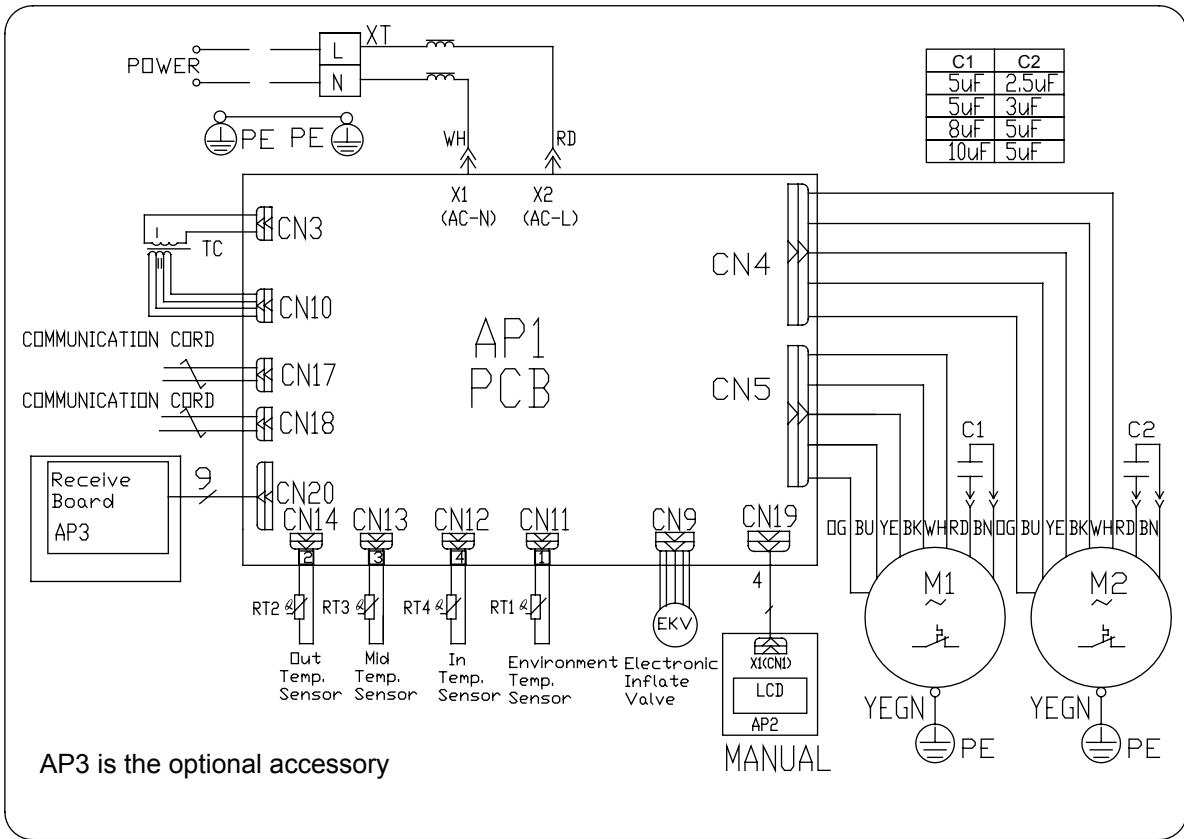
GMV(L)-R22P/NaB-K~GMV(L)-R36P/NaB-K



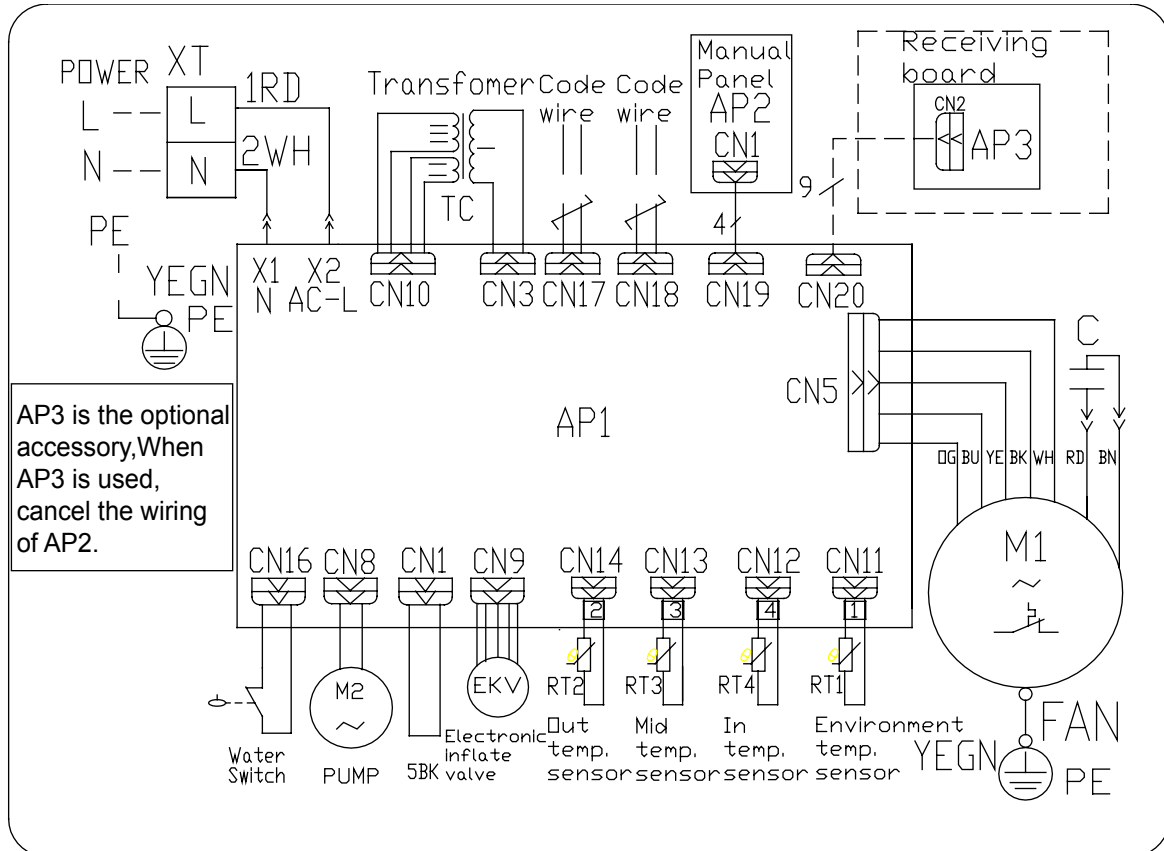
GMV(L)-R45P/NaB-K~GMV(L)-R71P/NaB-K



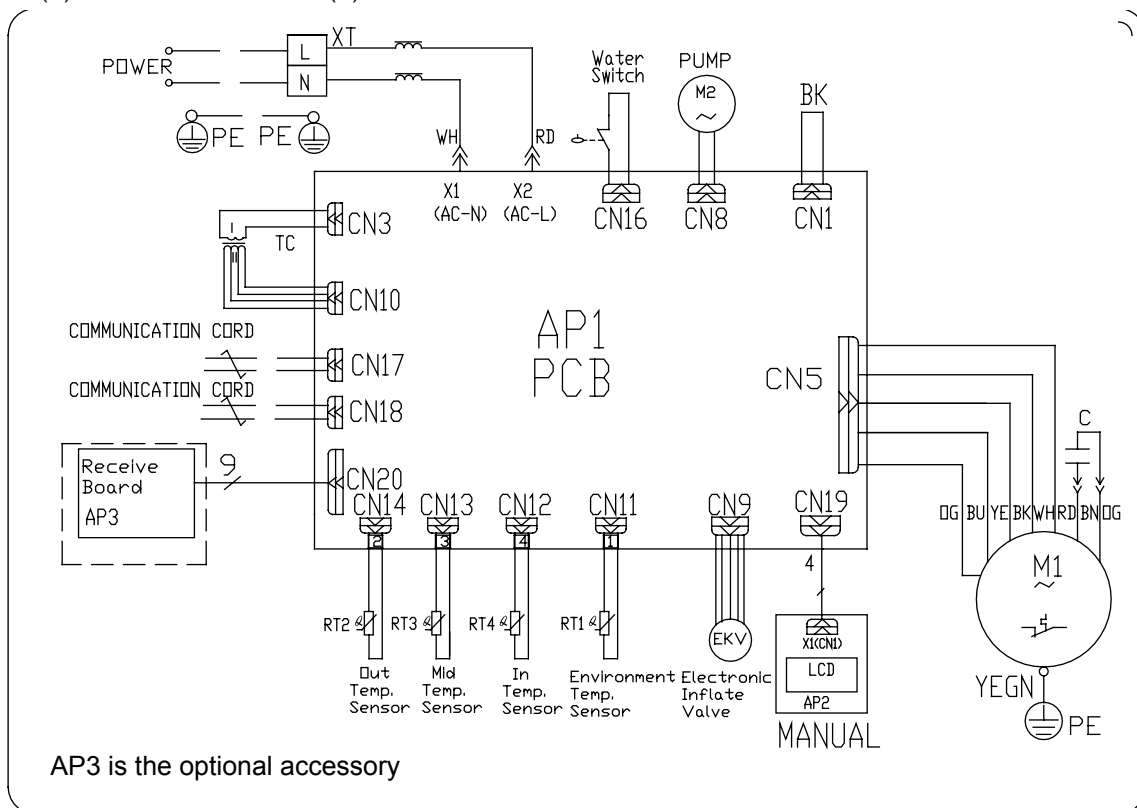
GMV(L)-R90P/NaB-K~GMV(L)-R140P/NaB-K



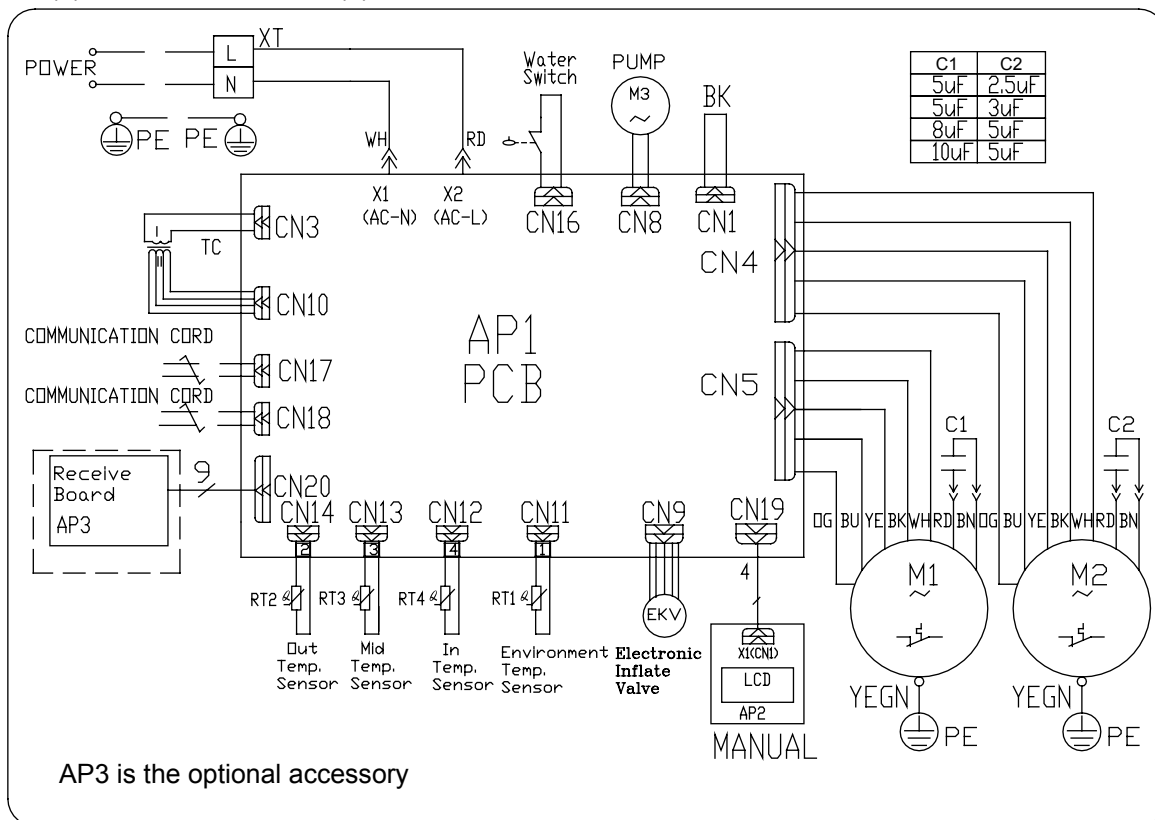
GMV(L)-R22PS/NaB-K~GMV(L)-R36PS/NaB-K



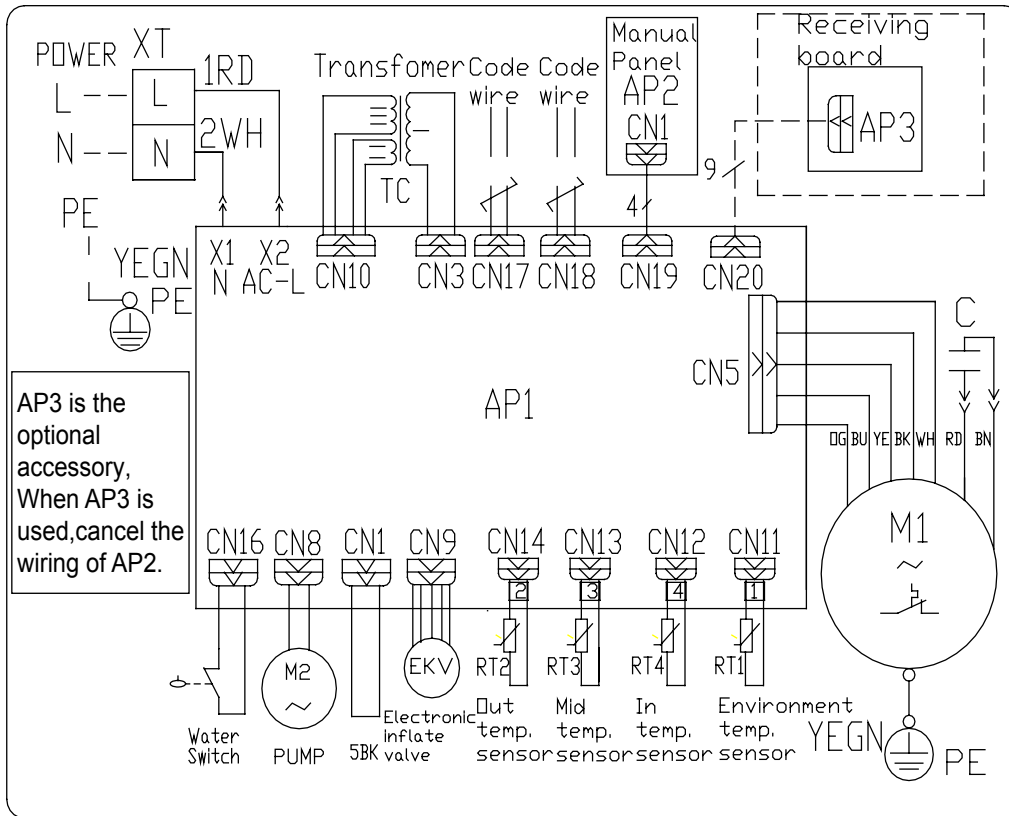
GMV(L)-R45PS/NaB-K~GMV(L)-R71PS/NaB-K



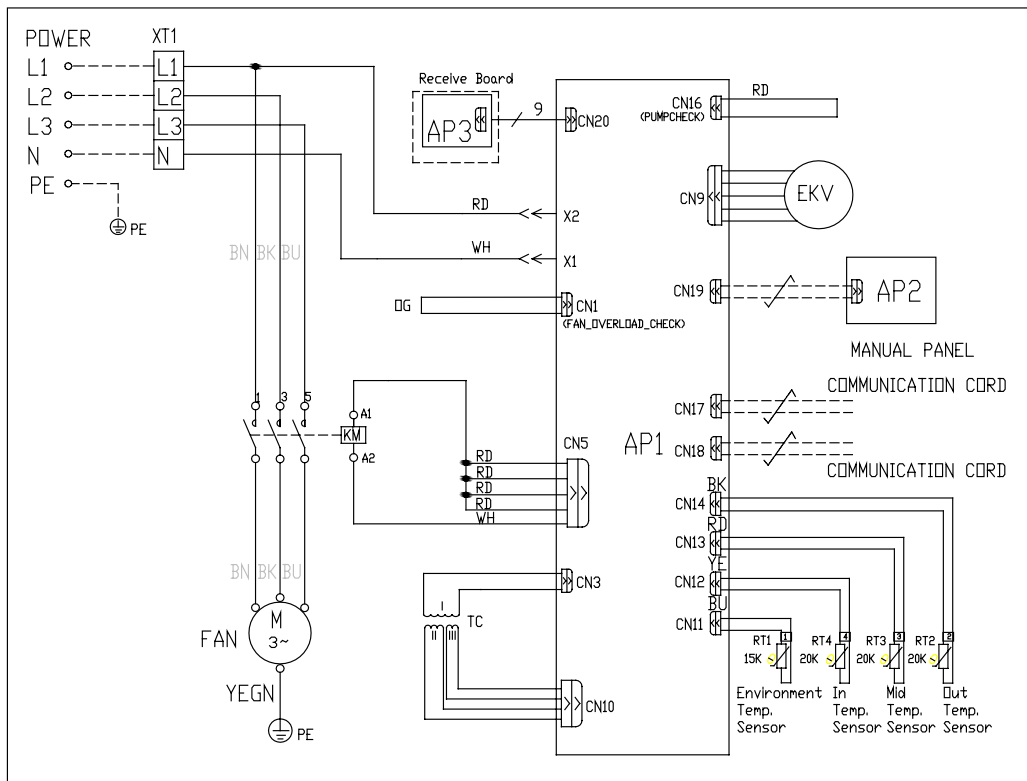
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GMV(L)-R22PS/NaE-K~GMV(L)-R71PS/NaE-K.

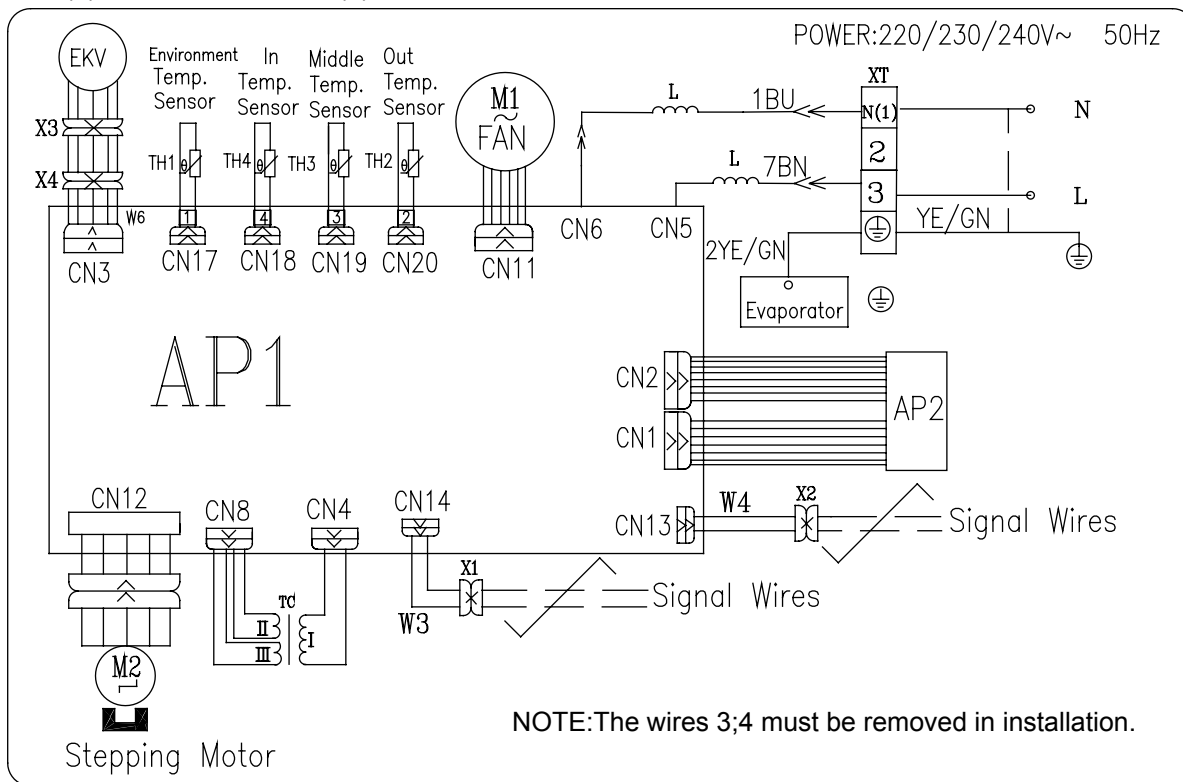


GMV-R224P/NaB-M, GMV-R280P/NaB-M.

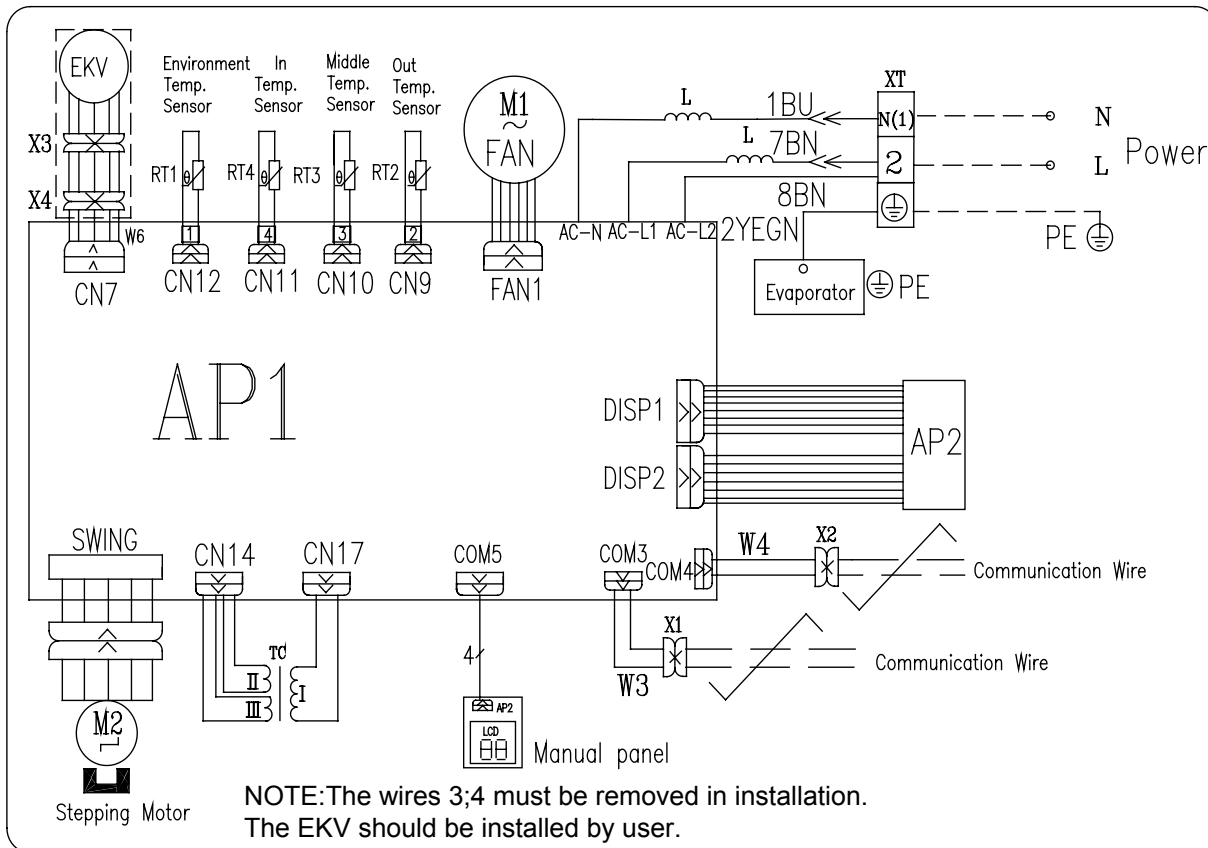


3.3 Wall Mounted Type Indoor unit

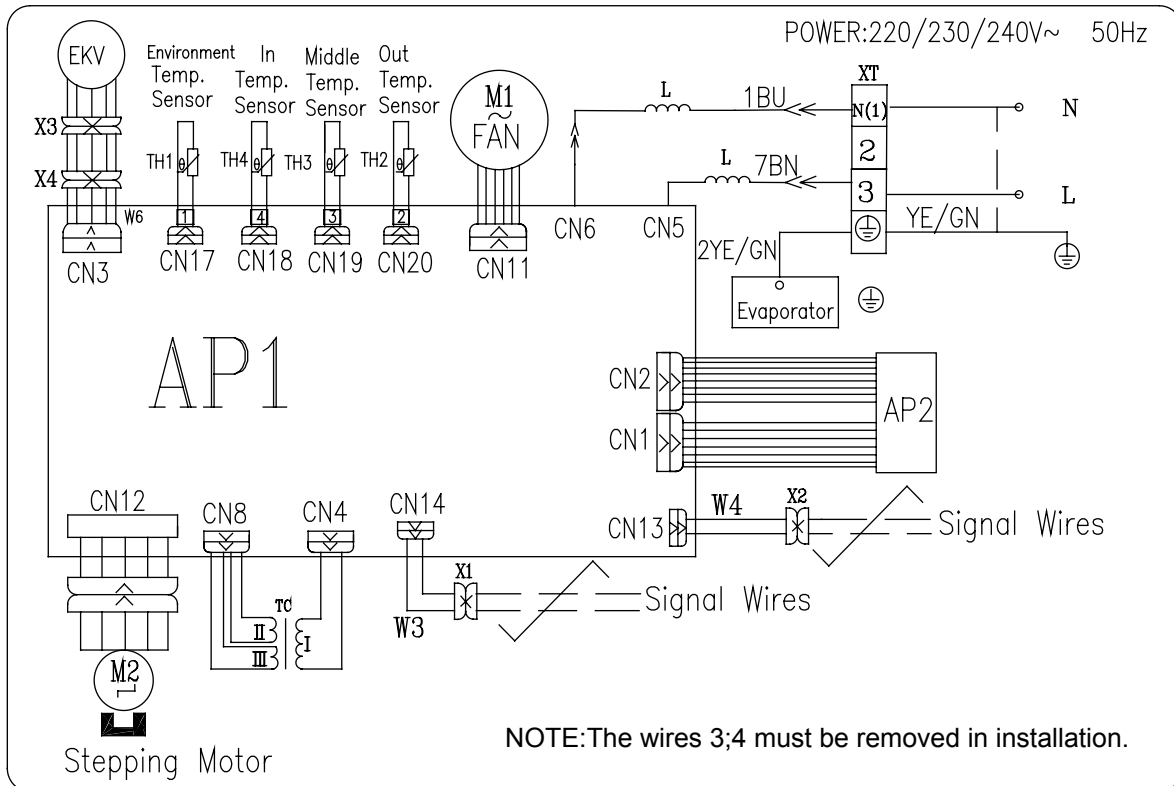
GMV(L)-R22G/NaB-K~GMV(L)-R45G/NaB-K.



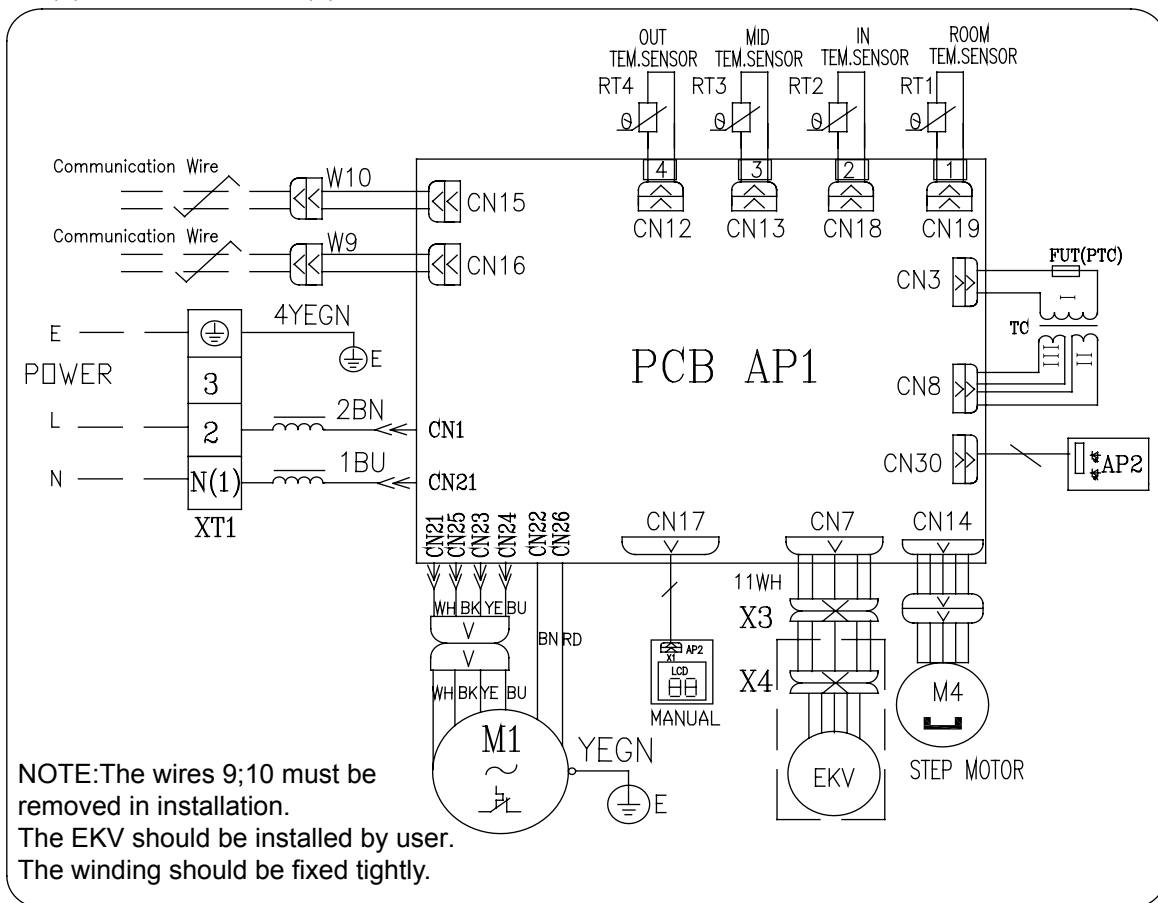
GMV(L)-R50G/NaB-K, GMV(L)-R56G/NaB-K.



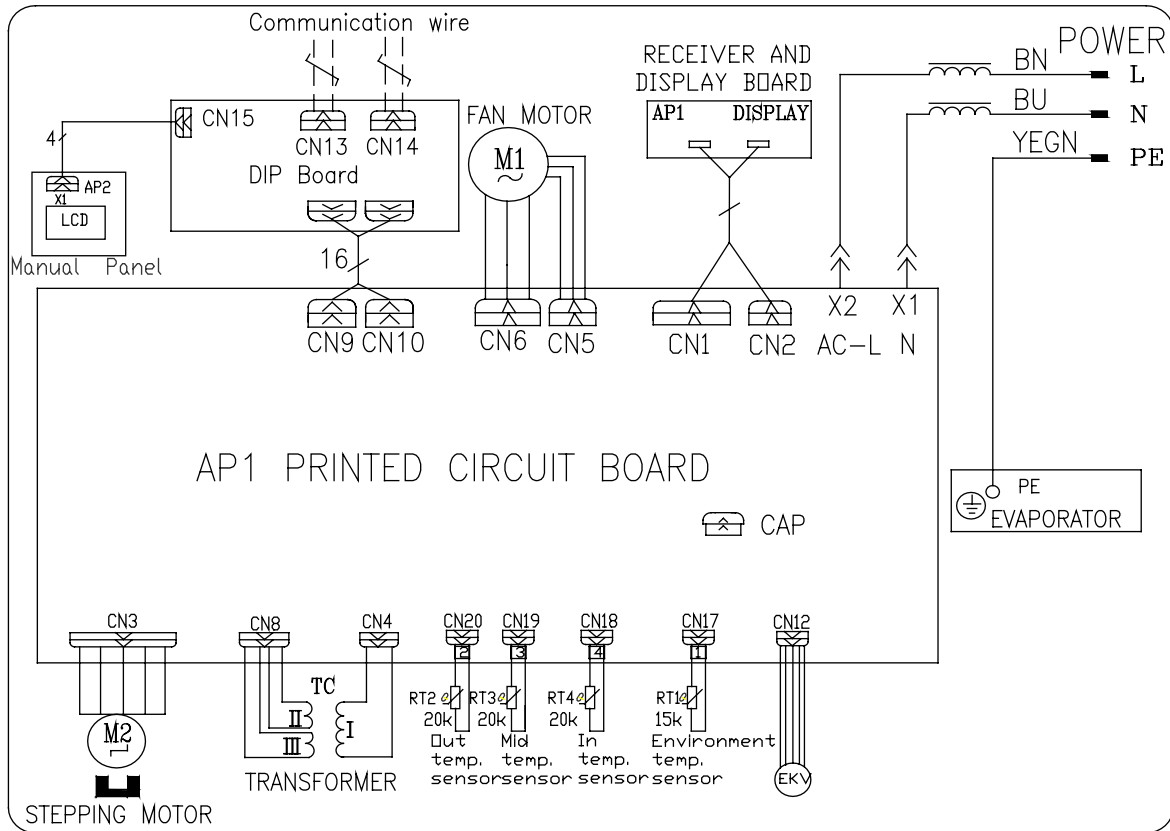
GMV(L)-R22G/NaC-K~GMV(L)-R45G/NaC-K.



GMV(L)-R71G/Na-K, GMV(L)-R80G/Na-K.

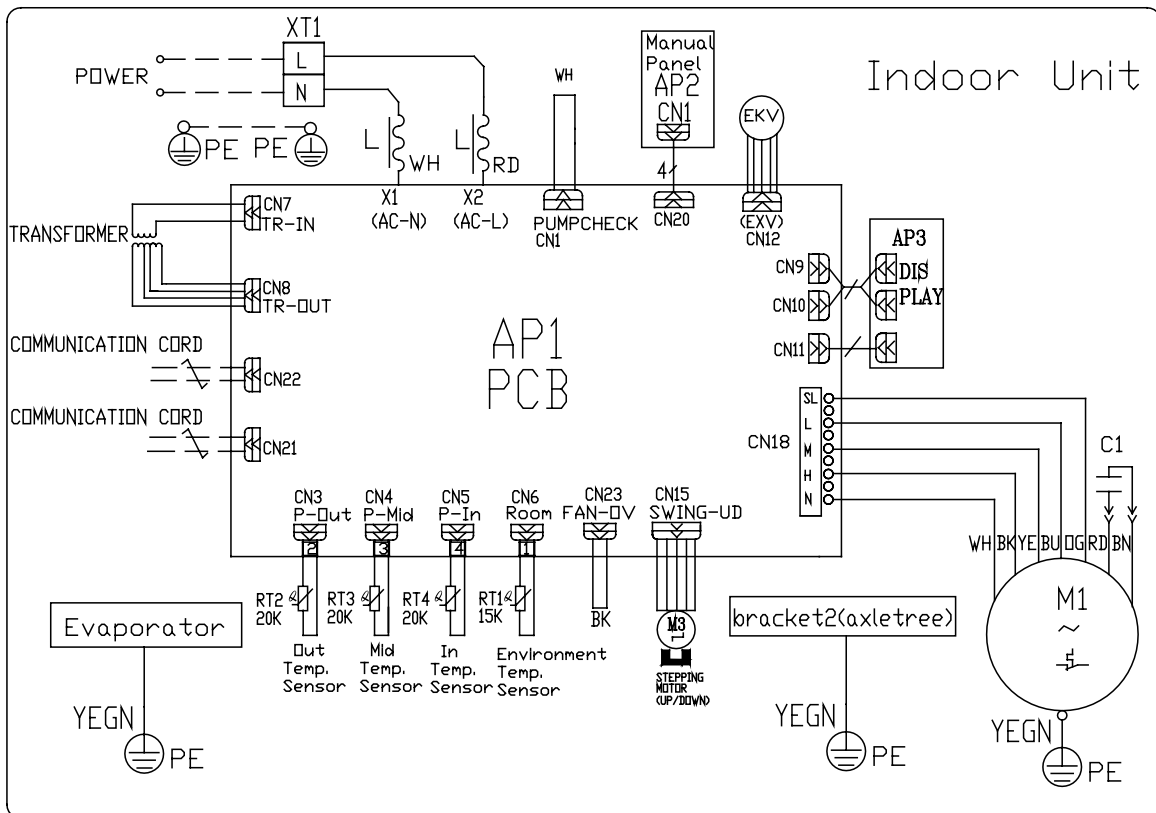


GMV(L)-R22G/NaG-K~GMV(L)-R71G/NaG-K

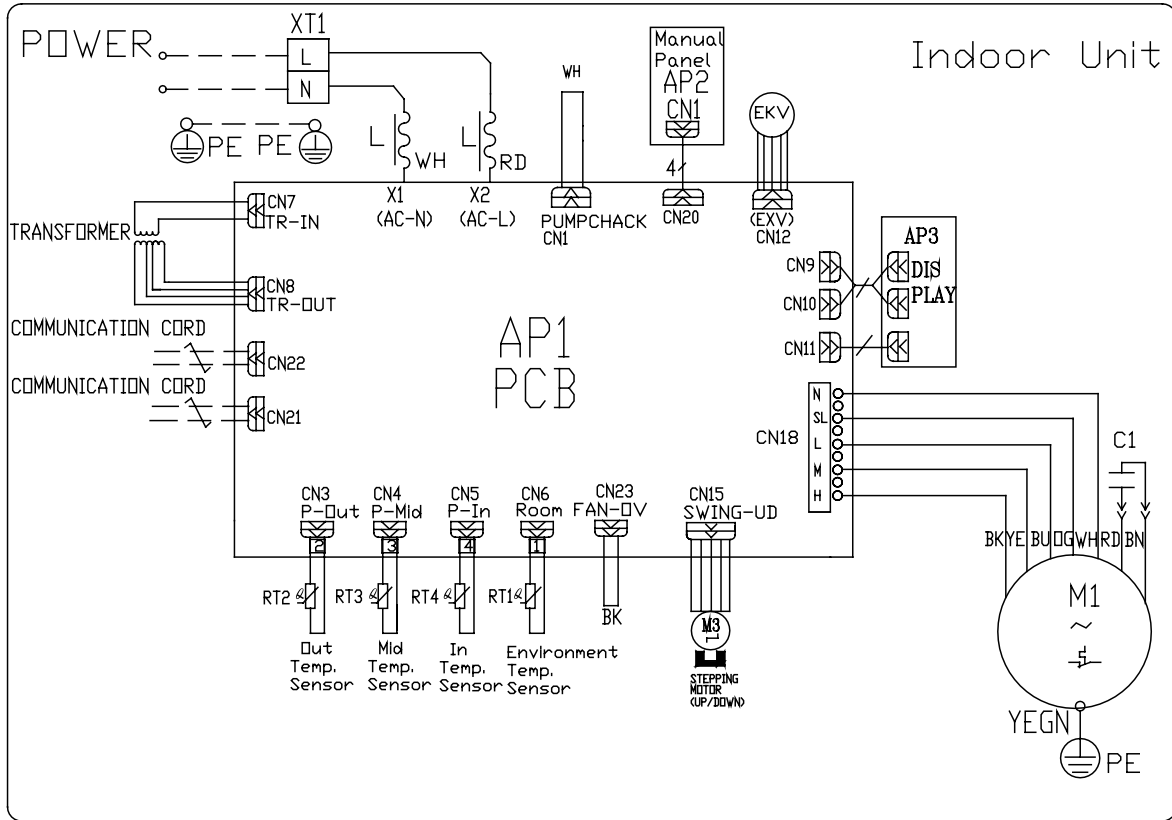


3.4 Floor Ceiling Type Indoor unit

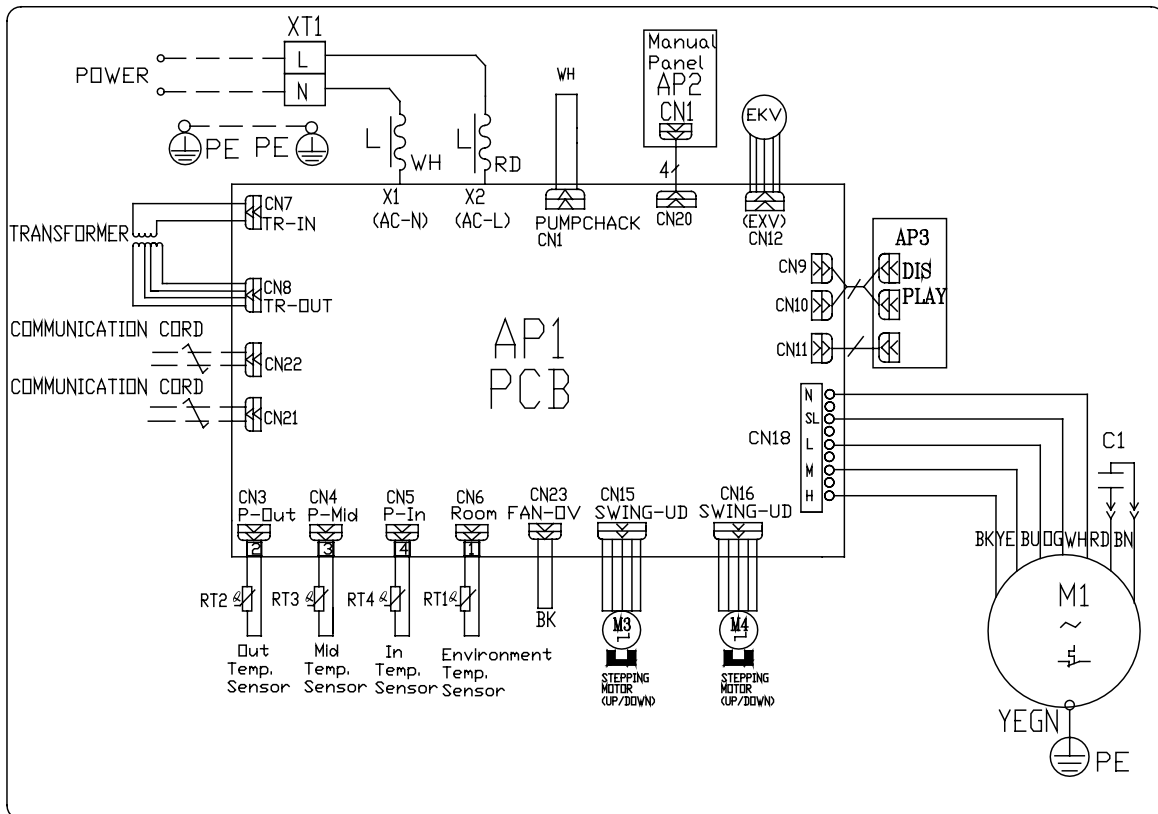
GMV(L)-R28Zd/NaB-K~GMV(L)-R50Zd/NaB-K



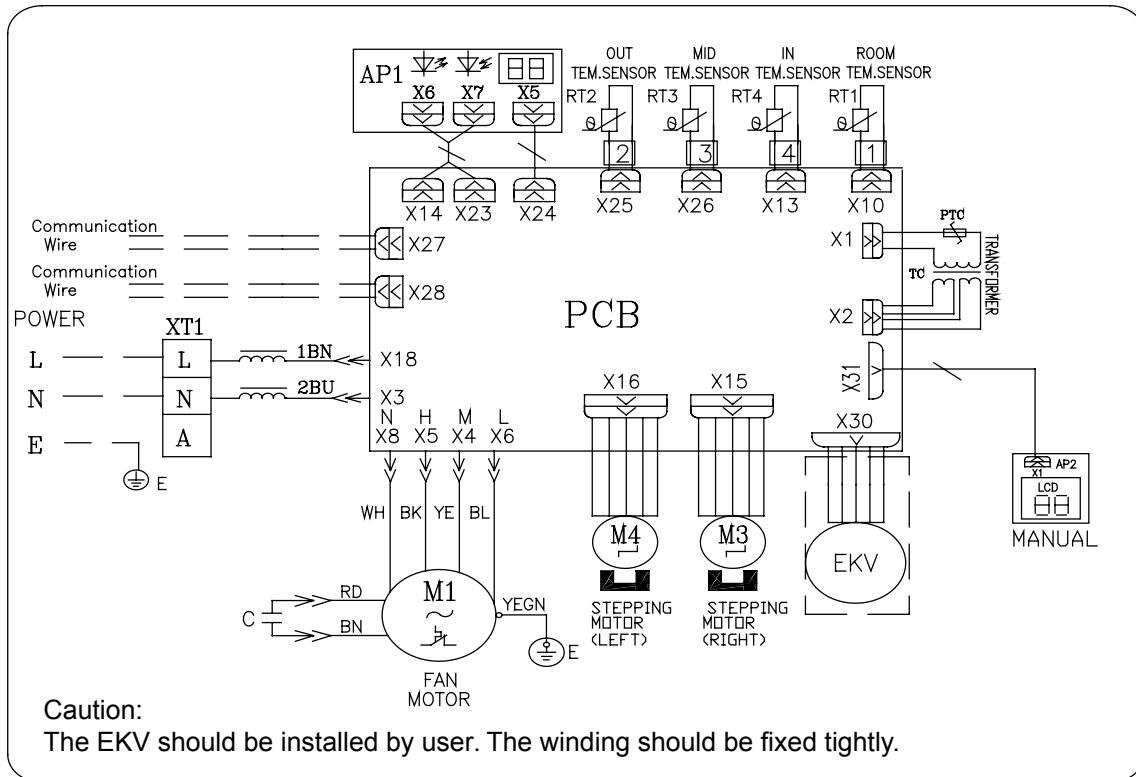
GMV(L)-R71Zd/NaB-K, GMV(L)-R90Zd/NaB-K



GMV(L)-R112Zd/NaB-K, GMV(L)-R125Zd/NaB-K

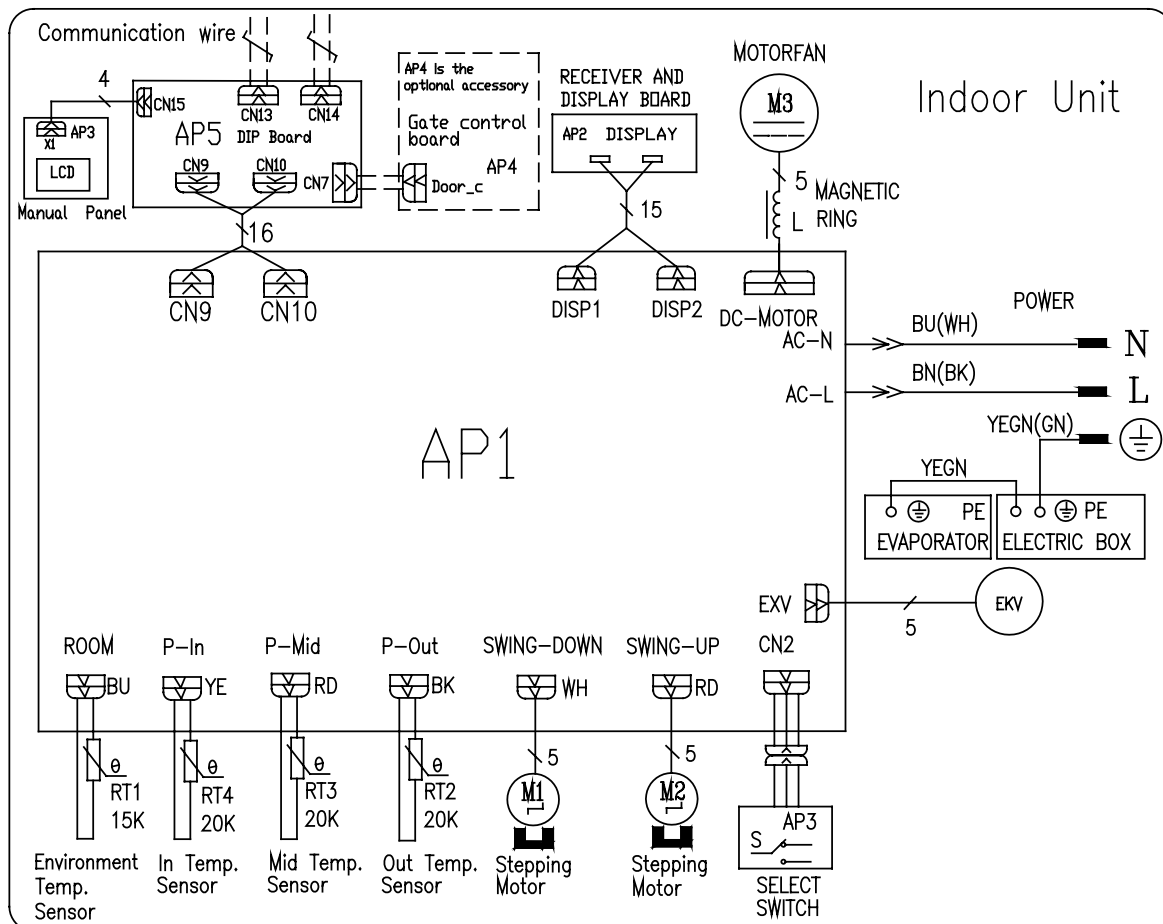


GMV(L)-R28Zd/Na-K~GMV(L)-R125Zd/Na-K.



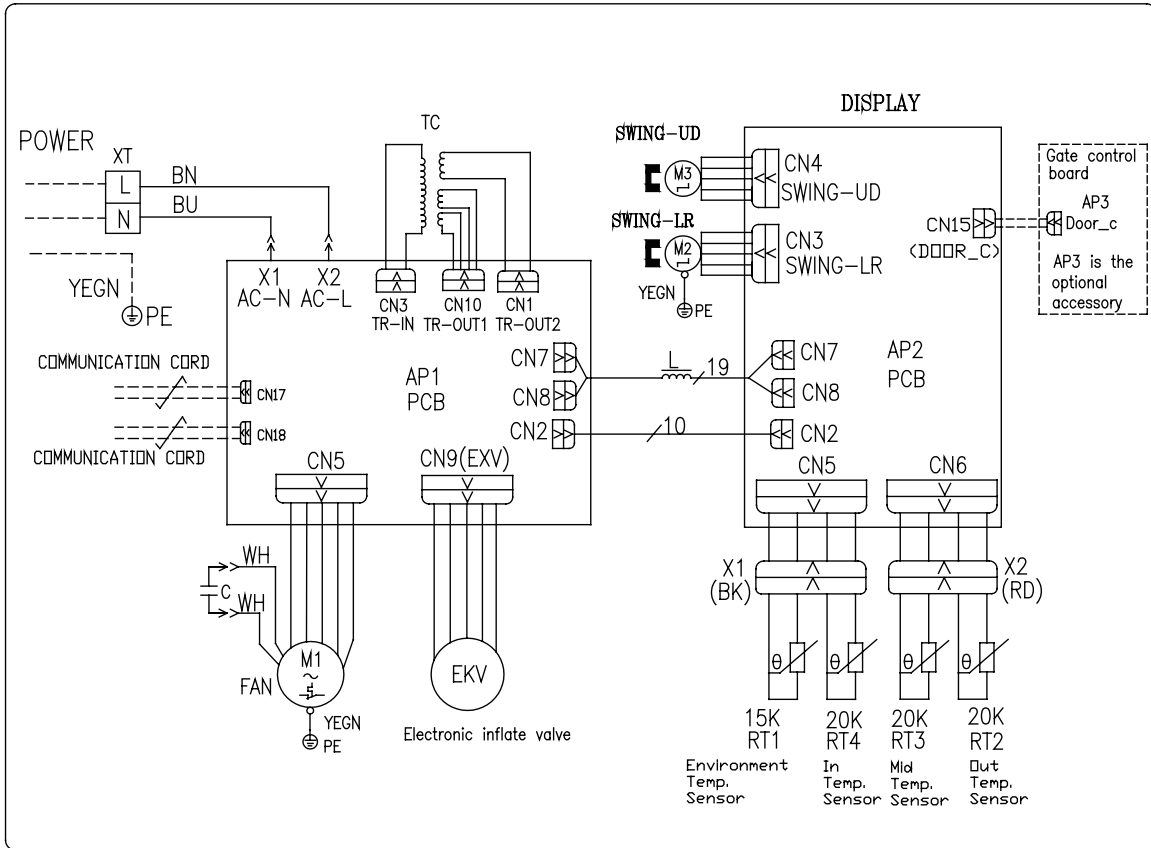
3.5 Floor And Wall Mounted Type Indoor Unit

GMV-R28C/Na-K~GMV-R50C/Na-K



3.6 Floor Standing Type Indoor Unit

GMV-R71L/Na-K~GMV-R140L/Na-K

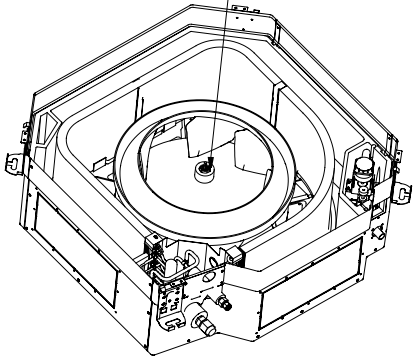
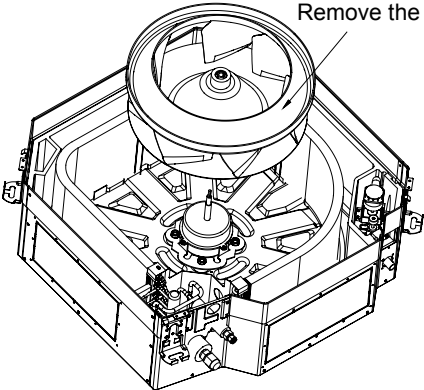
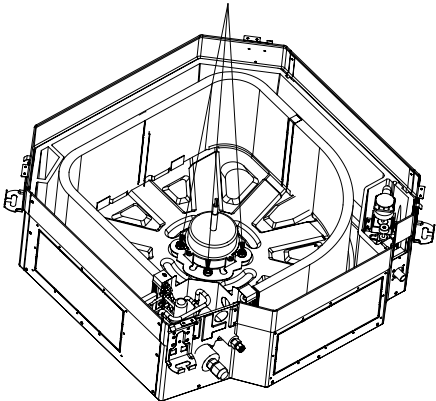
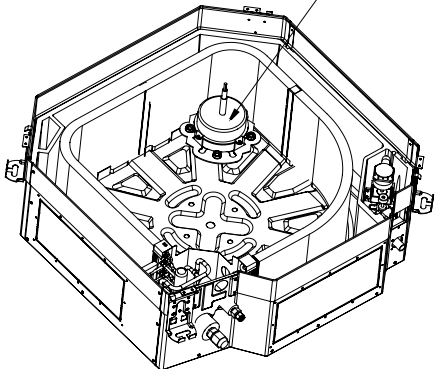


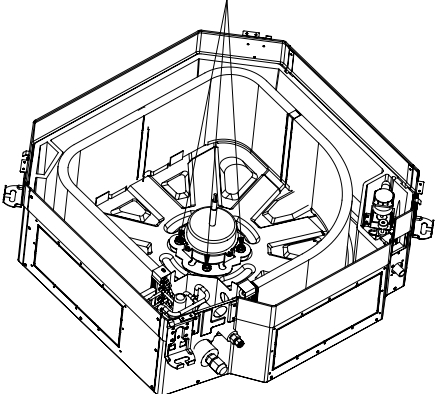
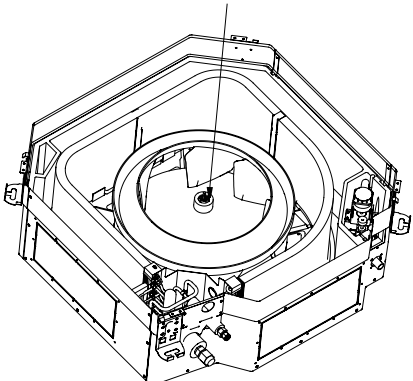
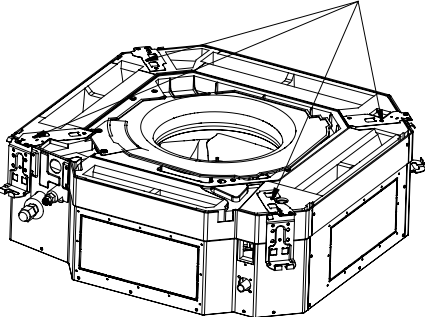
4 DISASSEMBLY AND ASSEMBLY PROCEDURE OF MAIN PARTS

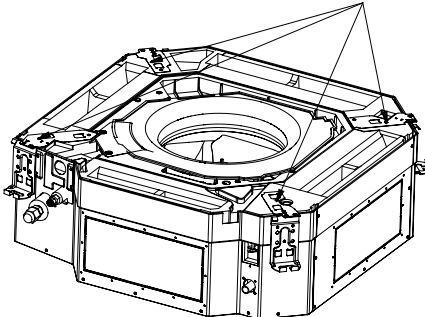
4.1 Cassette Type

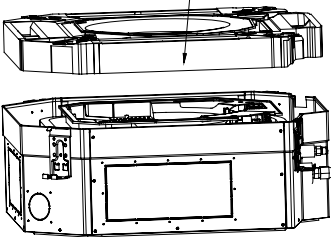
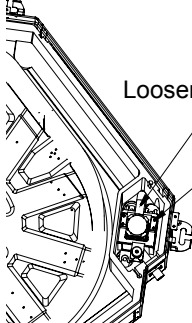
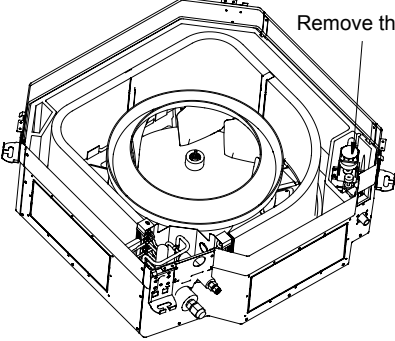
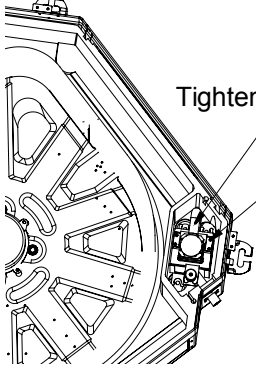
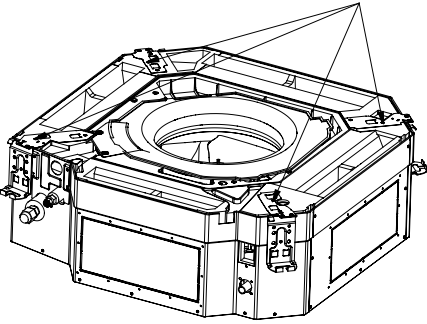
4.1.1 Four-way Cassette Type

Removal and Assembly of Fan Motor		
Step	Illustration	Handling Instruction
1. Loosen the screws fixing the water tray	<p>Loosen the screw</p>	<ul style="list-style-type: none"> Use screwdriver to loosen the screws fixing the water tray
2. Remove the water tray	<p>Remove the water tray</p>	<ul style="list-style-type: none"> Remove the water tray

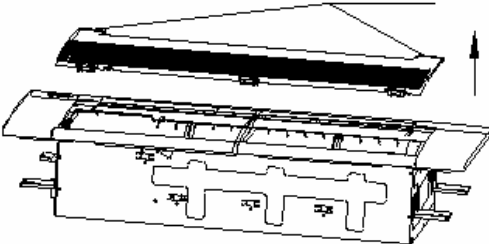
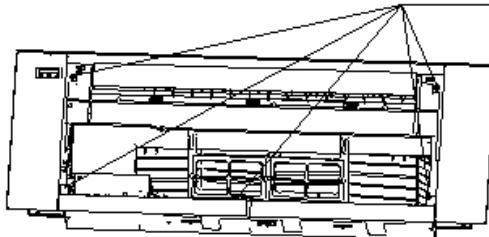
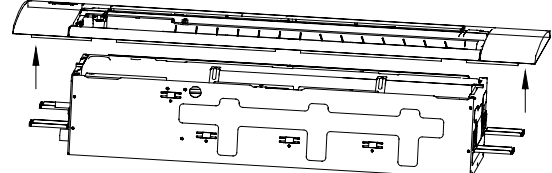
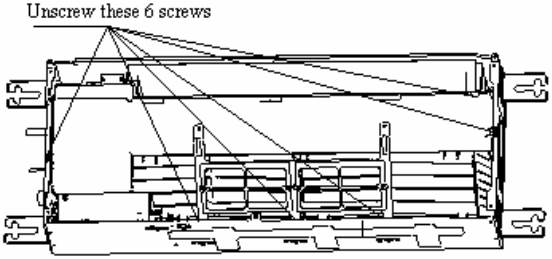
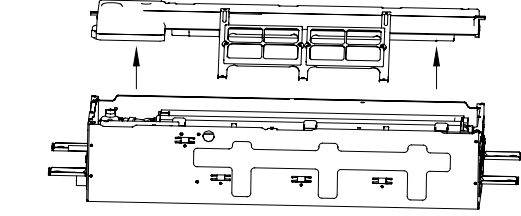

<p>3. Loosen the bolts fixing the fan</p>	<p>Loosen the screw</p> 	<ul style="list-style-type: none"> ●Use spanner to loosen the bolts fixing the fan
<p>4. Remove the fan</p>	<p>Remove the fan</p> 	<ul style="list-style-type: none"> ●Remove the fan
<p>5. Loosen the screws fixing the motor</p>	<p>Loosen the screws fixing the motor</p> 	<ul style="list-style-type: none"> ●Use screwdriver to loosen the screws fixing the motor
<p>6. Remove the motor and replace it</p>	<p>Remove the motor</p> 	<ul style="list-style-type: none"> ●Remove the motor and replace it

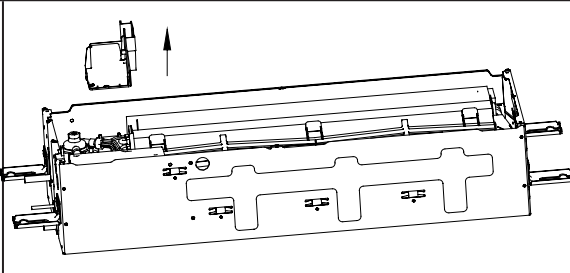
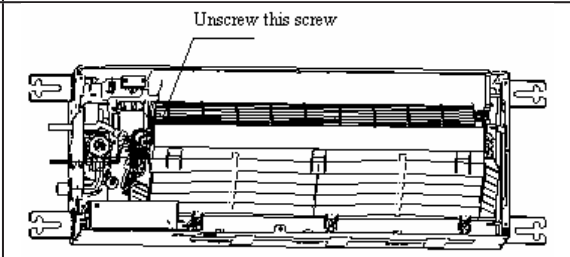
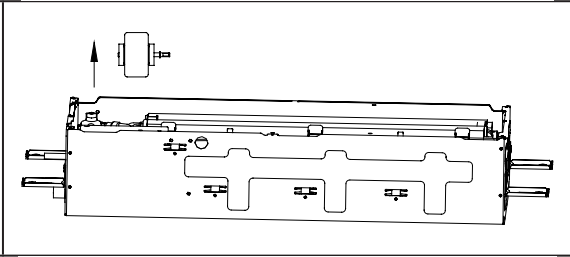
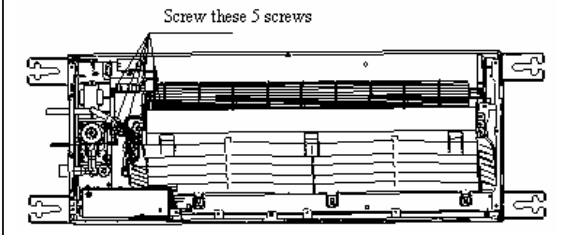
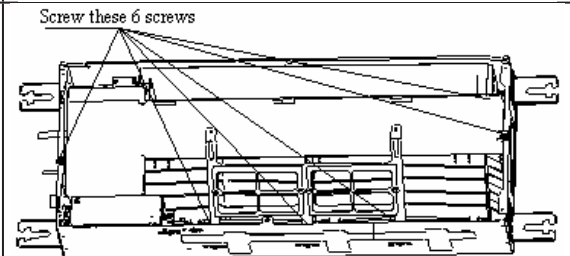
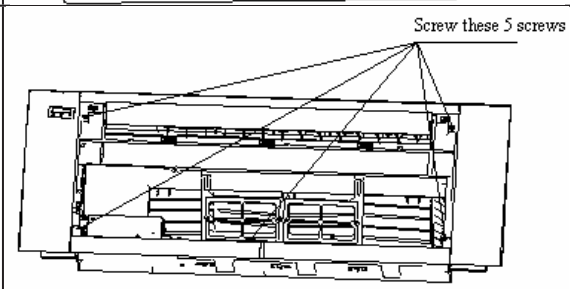
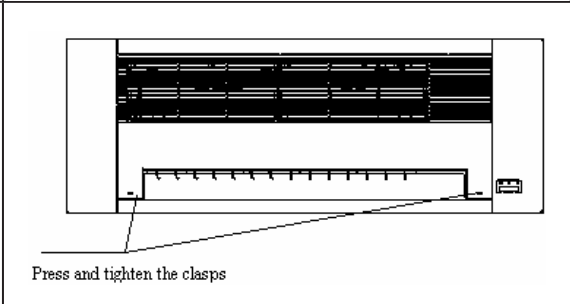
<p>7. Tighten the screws fixing the motor</p>	<p>Tighten the screws fixing the motor</p> 	<ul style="list-style-type: none"> ●Tighten the screws fixing the motor
<p>8. Mount the fan and tighten the fixing bolts</p>	<p>Fix the screw</p> 	<ul style="list-style-type: none"> ●Mount the fan and use spanner to tighten the bolts fixing the fan.
<p>9. Mount the water tray and tighten the screws</p>	<p>Tighten the screws</p> 	<ul style="list-style-type: none"> ●Use screwdriver to loosen the screws fixing the water tray

Removal and Installation of Water Pump		
Step	Illustration	Handling Instruction
<p>1. Loosen the screws fixing the water tray</p>	<p>Loosen the screw</p> 	<ul style="list-style-type: none"> ●Use screwdriver to loosen the screws fixing the water tray

<p>2. Remove the water tray</p>	<p>Remove the water tray</p> 	<ul style="list-style-type: none"> ●Remove the water pump and replace it.
<p>3. Connect the drainage pipe and tighten the screws fixing the water pump.</p>	<p>Loosen the drainpipe</p> <p>Loosen the screws fixing the water pump</p> 	<ul style="list-style-type: none"> ●Connect the drainage pipe and use screwdriver to tighten the screws fixing the water pump.
<p>4 Remove the water pump and replace it.</p>	<p>Remove the water pump</p> 	<ul style="list-style-type: none"> ●Remove the water pump and replace it.
<p>5. Remove the water pump and replace it.</p>	<p>Tighten the drainpipe</p> <p>Tighten water pump and fix the screw</p> 	<ul style="list-style-type: none"> ●Remove the water pump and replace it.
<p>6. Mount the water tray and tighten the screws</p>	<p>Tighten the screws</p> 	<ul style="list-style-type: none"> ●Use screwdriver to tighten the screws fixing the water tray

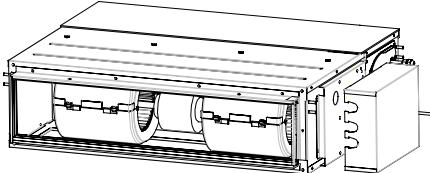
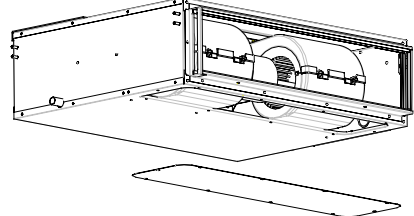
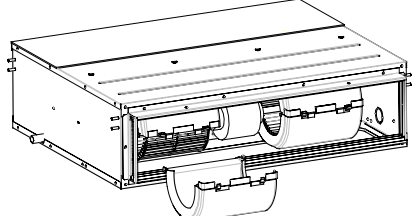
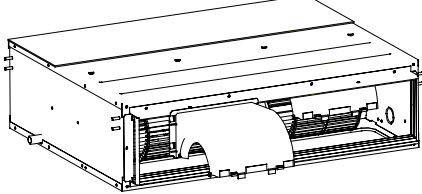
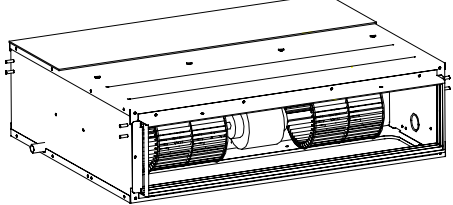
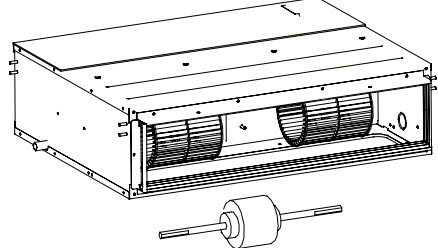
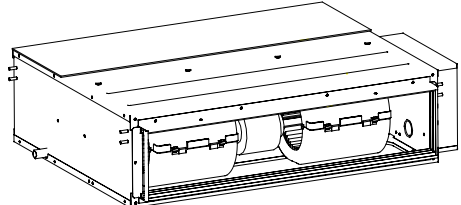
4.1.2 One-way Cassette Type

Removal and Assembly of Fan Motor		
Step	Illustration	Handling Instruction
1. Remove the front panel	<p>Clasps at two sides of front panel</p> 	<ul style="list-style-type: none"> • Press switch on both side of the pane. Open one side of the panel and remove the three opposite buckles. Remove the front panel.
2. Remove the screw of front panel	<p>Unscrew these 5 screws</p> 	<ul style="list-style-type: none"> • Loosen the screw with screwdriver
3. Remove the panel.		<ul style="list-style-type: none"> • Remove the panel.
4. Loosen the screws fixing the water tray	<p>Unscrew these 6 screws</p> 	<ul style="list-style-type: none"> • Use screwdriver to loosen the screws fixing the water tray
5. Remove the water tray and filter support		<ul style="list-style-type: none"> • Remove the water tray and filter support
6. Loosen the fixing screw of motor cover	<p>Unscrew these 4 screws</p> 	<ul style="list-style-type: none"> • Loosen the fixing screw of motor cover with screwdriver

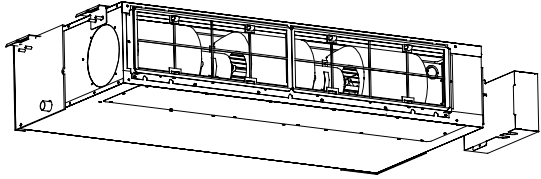
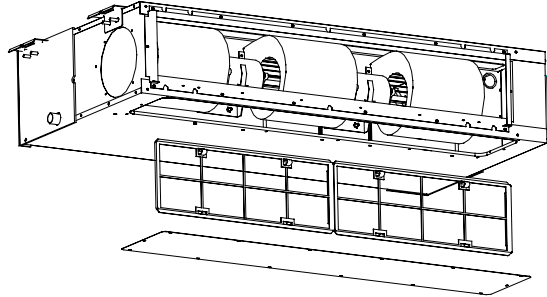
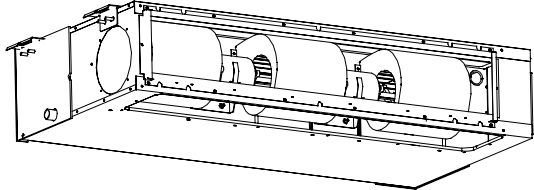
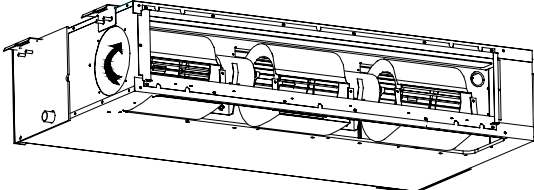
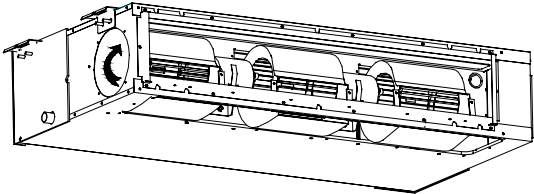
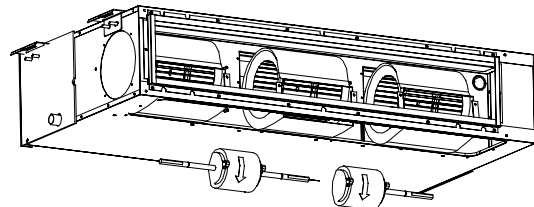
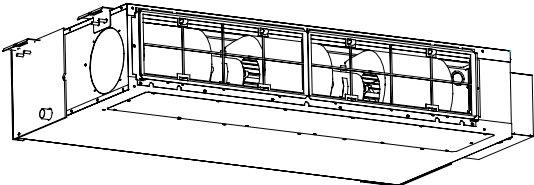
<p>7. Remove motor cover subassembly</p>		<ul style="list-style-type: none"> Remove motor cover subassembly
<p>8. Loosen the screw fixing motor and motor shaft</p>	 <p>Unscrew this screw</p>	<ul style="list-style-type: none"> Rotate the cross flow blade to make the screw upward. Loosen the screw with screwdriver.
<p>9. Replace the motor</p>		<ul style="list-style-type: none"> Remove the motor and mount a new one
<p>10. Mount the motor cover subassembly and tighten the screw</p>	 <p>Screw these 5 screws</p>	<ul style="list-style-type: none"> Mount the motor cover subassembly and tighten the fixing screw of motor cover and cross flow blade.
<p>11. Mount water tray and filter support. Fix the screw.</p>	 <p>Screw these 6 screws</p>	<ul style="list-style-type: none"> Mount water tray and filter support. tighten the screw fixing water tray and filter support.
<p>12. Mount panel subassembly and tighten the screw.</p>	 <p>Screw these 5 screws</p>	<ul style="list-style-type: none"> Mount panel subassembly and tighten the screw.
<p>13. Mount panel subassembly</p>	 <p>Press and tighten the clasps</p>	<ul style="list-style-type: none"> Mount panel subassembly and press the switch on both side of the panel.

4.2 Air Duct Type

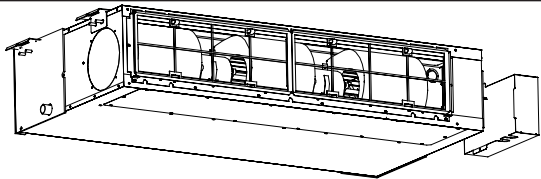
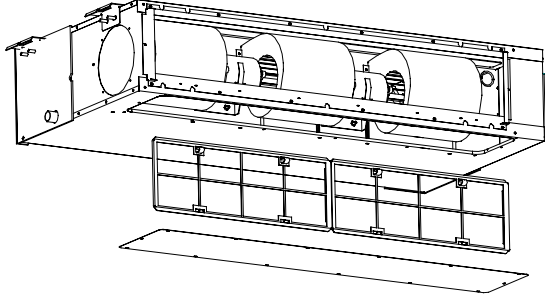
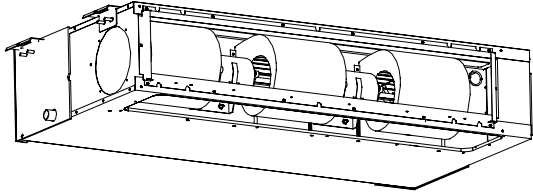
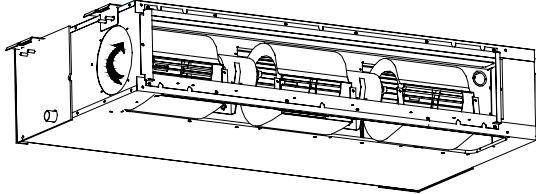
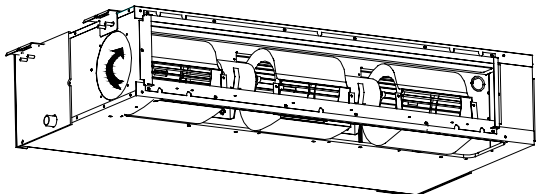
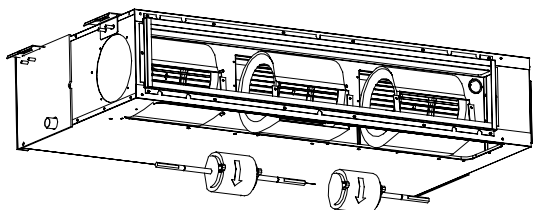
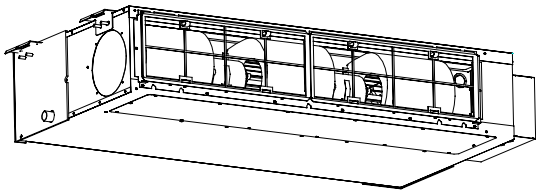
4.2.1 Duct-Type Unit: 2.2 kW~5.0 kW

Removal and Assembly of Fan Motor		
Remarks: Before removing the fan, make sure to cut off the power firstly.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		<ul style="list-style-type: none"> ● Cut off the power supply of indoor unit. Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the return air cover board		<ul style="list-style-type: none"> ● Use screwdriver to remove the lower return air cover board.
3. Remove the back propeller housing		<ul style="list-style-type: none"> ● Loosen the clamp between back propeller housing and front propeller housing. Remove the back propeller housing.
4. Remove the front propeller housing		<ul style="list-style-type: none"> ● Use screwdriver to loosen the screws fixing the front propeller housing. Remove the front propeller housing.
5. Loosen the fan and motor		<ul style="list-style-type: none"> ● Use inner hexagonal spanner to loosen the screws on fan and remove the clamp fixing the motor
6. Remove the motor		<ul style="list-style-type: none"> ● Firstly, disengage the motor from motor support and then disengage the fan from the motor. Then, remove the motor from the lower air inlet frame. In which, for the motor with automatic motor support, the motor support shall be removed in advance and then changed to the unit.
7. Replace with a new motor		<ul style="list-style-type: none"> ● Assemble the unit in reverse to the disassembly procedures and energize it for testing.

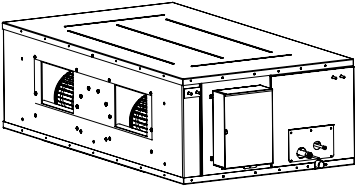
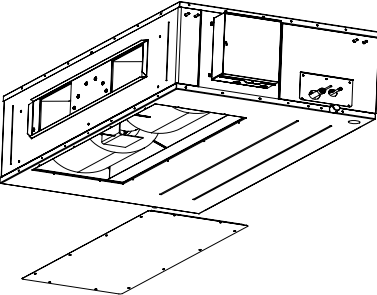
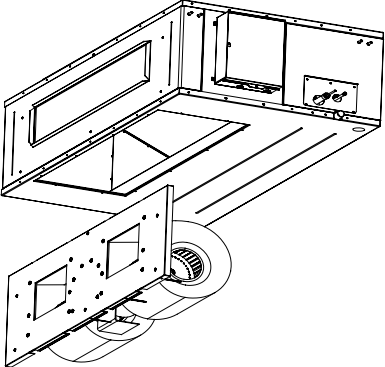
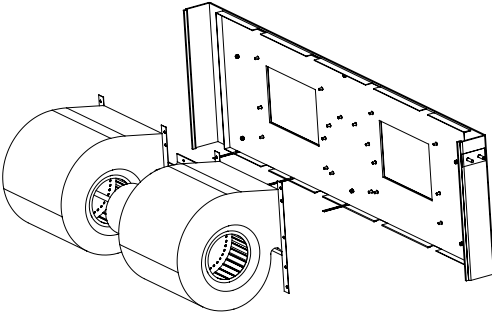
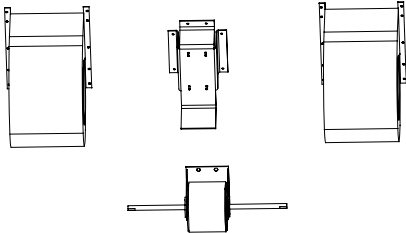
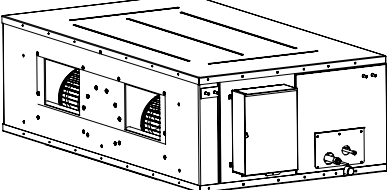
4.2.2 Duct-Type Unit: 5.6 kW~8.0 kW

Removal and Assembly of Fan Motor		
Remarks: Before removing the fan, make sure to cut off the power firstly.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables		<ul style="list-style-type: none"> ●Cut off the power supply of indoor unit. Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the filter sub-assembly and air inlet cover board		<ul style="list-style-type: none"> ●Remove the filter sub-assembly from the air inlet frame and use screwdriver to remove the air inlet cover board.
3. Remove the screws on fan sub-assembly.		<ul style="list-style-type: none"> ●Remove the screws on fan sub-assembly.
4. Overturn the propeller housing		<ul style="list-style-type: none"> ●Rotate the propeller housing to the air inlet opening according to arrow direction.
5. Loosen the fan and motor.		<ul style="list-style-type: none"> ●Use inner hexagonal spanner to loosen the screws on fan and remove the clamp fixing the motor.
6. Replace the motor		<ul style="list-style-type: none"> ●Firstly, disengage the motor from motor support. Then, sequentially disengage the fan sub-assembly from the motor shaft. Remove the motor from the air inlet and replace with new motor. In which, for the motor with automatic motor support, the motor support shall be removed in advance and then changed to the unit.
7. Assemble the unit in reverse to the disassembly procedures		<ul style="list-style-type: none"> ●Assemble the unit in reverse to the disassembly procedures and energize it for testing.

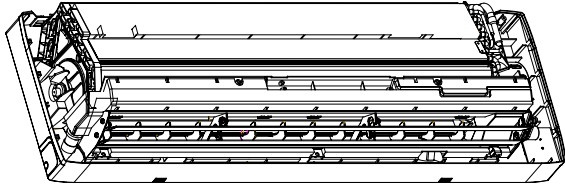
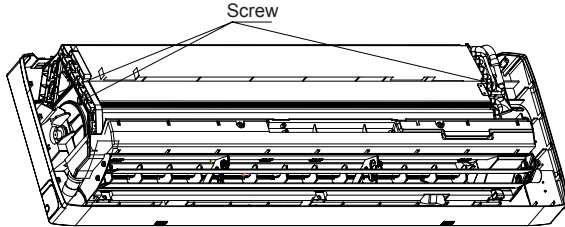
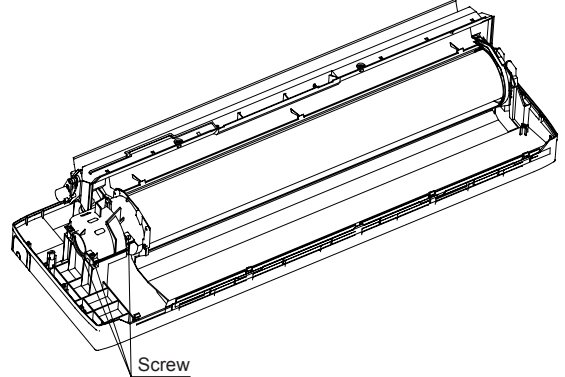
4.2.3 Duct-Type Unit: 9.0 kW~14.0 kW

Removal and Assembly of Fan Motor		
Remarks: Before removing the fan, make sure to cut off the power firstly.		
Step	Step	Step
1. Disconnect the motor wire		<ul style="list-style-type: none"> ●Cut off the power supply of indoor unit. Use screwdriver to remove the electric box cover and unplug the motor cables in electric box
2. Disassemble filtering screen and the return air cover board		<ul style="list-style-type: none"> ●Remove the filter sub-assembly from the air inlet frame and use screwdriver to remove the return air cover board.
3. Loosen the screw on the motor subassembly.		<ul style="list-style-type: none"> ●Remove the screws on fan sub-assembly.
4. Rotate the volute		<ul style="list-style-type: none"> ●Rotate the propeller housing to the air inlet opening according to arrow direction.
5. Loosen the blade and motor		<ul style="list-style-type: none"> ●Use inner hexagonal spanner to loosen the screws on fan and remove the clamp fixing the motor.
6. Replace the motor		<ul style="list-style-type: none"> ●Firstly, disengage the motor from motor support. Then, sequentially disengage the fan sub-assembly from the motor shaft. Remove the motor from the air inlet and replace with new motor. In which, for the motor with automatic motor support, the motor support shall be removed in advance and then changed to the unit.
7. Mount the unit according to disassembly sequence		<ul style="list-style-type: none"> ●Assemble the unit in reverse to the disassembly procedures and energize it for testing.

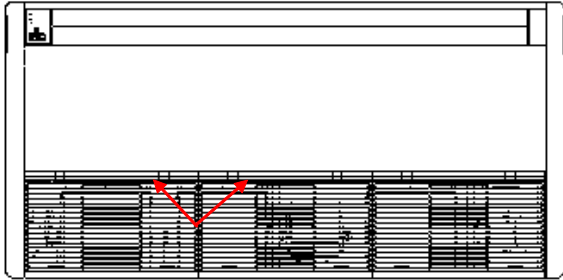
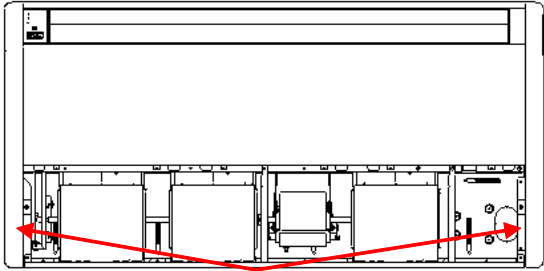
4.2.4 B-Series Ducted Indoor Unit

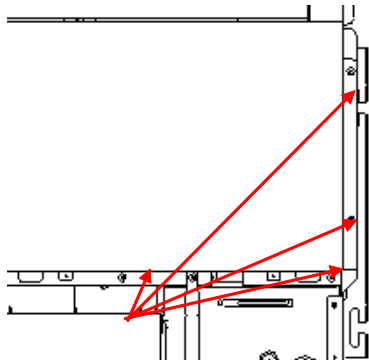
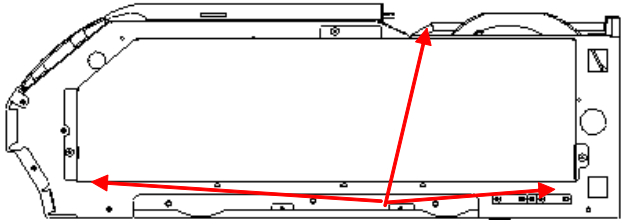
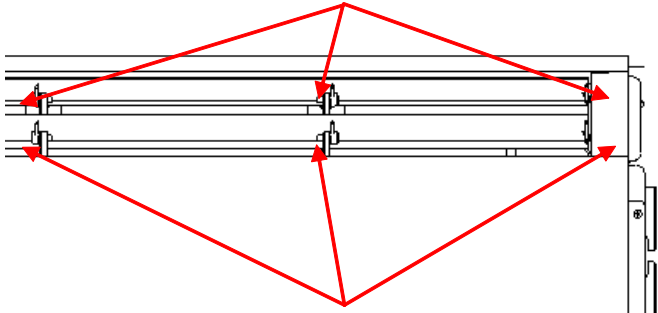
Removal and Assembly of Fan Motor		
Remarks: Before removing the fan, make sure to cut off the power firstly.		
Step	Illustration	Handling Instruction
1. Unplug the motor cables (disconnect power cord)		<ul style="list-style-type: none"> ● Cut off the power supply of indoor unit. Use screwdriver to remove the electric box cover and unplug the motor cables in electric box.
2. Remove the service panel.		<ul style="list-style-type: none"> ● Remove the service panel under the fan.
3. Remove the fan subassembly.		<ul style="list-style-type: none"> ● Remove connecting bolt. Hold the fan subassembly and remove it.
4. Remove the fan.		<ul style="list-style-type: none"> ● Remove the screw connecting the fan. Remove the fan.
5. Remove the motor and replace it.		<ul style="list-style-type: none"> ● Remove the screws fixing the motor. Remove the fans on both sides. Replace the motor.
6. Reinstall the unit.		<ul style="list-style-type: none"> ● Reinstall the unit according to the above sequence.

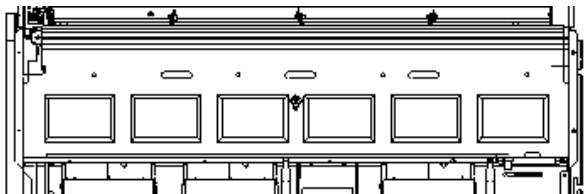
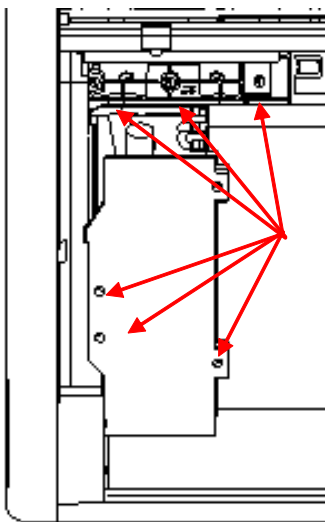
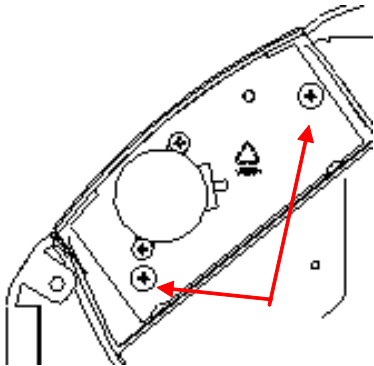
4.3 Wall Mounted Type

Removal and Assembly of Fan Motor		
Remark: Before removing the compressor, make sure that there is no refrigerant inside the pipe system and that the power has been cut off.		
Step	Illustration	Handling Instruction
1. Firstly, remove the front panel, front case and electric box		<ul style="list-style-type: none"> ● Firstly, use screwdriver to loosen the screws. ● Unplug the motor terminals in the electric box. Loosen the earth screws and lift up.
2. Remove the evaporator		<ul style="list-style-type: none"> ● Firstly, use screwdriver to remove the fixing screws on the left and right side. Then, remove the evaporator.
3. Remove the motor and cross flow fan		<ul style="list-style-type: none"> ● Use screwdriver to remove the screws fixing the motor clamp and remove the screws connecting the motor and cross flow fan. Then, the motor can be separated from the cross flow fan.

4.4 Floor Ceiling Type

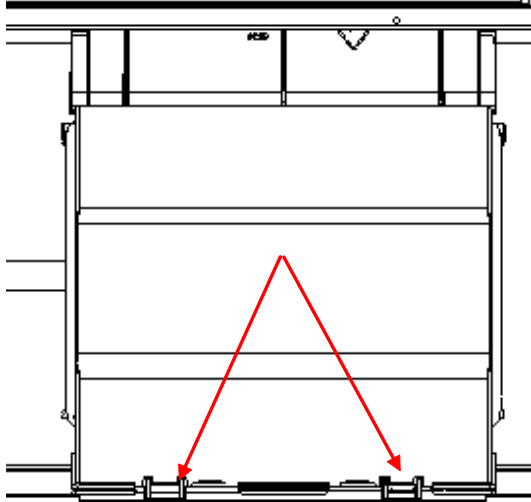
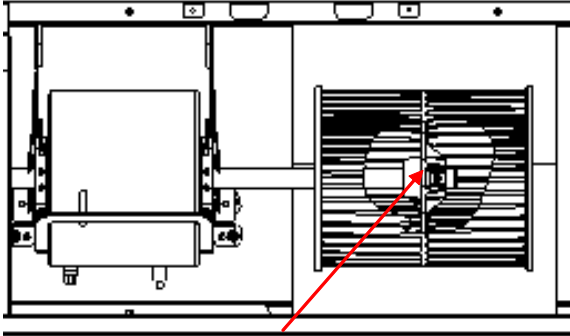
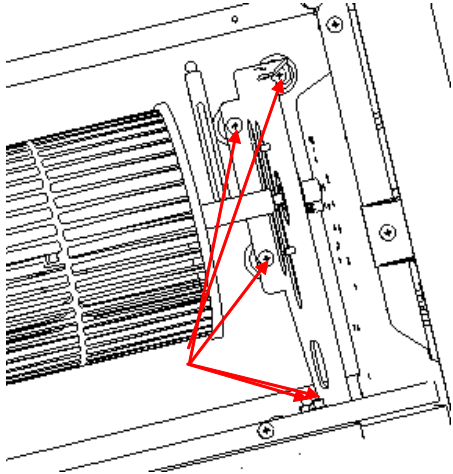
Disassembly of panel grating module		
Remark: Make sure that the power supply is cut off before disassembling and protect all the parts during disassembly. Do not put filter screen near the high temperature heat source.		
Step	Illustration	Handling Instruction
Remove sub-assy of front grill		<ul style="list-style-type: none"> ● Move down the clip of the sub-assy of front grill until the front grill is open. (As is shown in the graph, arrow represents the position of buttons. There are two clips for each grating.)
Remove right and left finishing plates		
Remark: Make sure the power supply is cut off before disassembling and protect all the parts during disassembly. Do not scratch the outer parts.		
Step	Illustration	Handling Instruction
Remove right and left finishing plates		<ul style="list-style-type: none"> ● Remove the screws as shown in the graph with screwdriver and then push upward to remove the right and left finishing plates. (As is shown in the graph, arrow represents the position of screws.)

Remove panel parts		
Remark: Make sure the power supply is cut off before disassembling and protect all the parts during disassembly. Do not scratch the outer parts.		
Step	Illustration	Handling Instruction
Remove panel parts		<ul style="list-style-type: none"> Remove the screws shown by the arrow in the graph with screwdriver (two on both right and left and 4 in the front) and then remove the panel parts.
Remove sub-assy of electric box		
Remark: Make sure that the power supply is cut off before disassembling and protect all the parts during disassembly, especially the components inside the box in case of water and hit.		
Step	Illustration	Handling Instruction
1. Remove of electric box cover		<ul style="list-style-type: none"> Remove 3 screws as shown by the arrow in the graph on left and remove the electric box cover.
Remove air deflecting plate modules		
Remark: Make sure the power supply is cut off before disassembling and protect all the parts during disassembly, especially the joints of the air deflecting plate.		
Step	Illustration	Handling Instruction
Remove sub-assy of air deflecting plate		<ul style="list-style-type: none"> Remove the air deflecting plates from the air deflecting plate support assembly, and then remove both ends from the air sweeping motor joint (As is shown in the graph, arrow represents the support assembly and circle the air sweeping motor joint.)

Remove water-containing plate modules		
Remark: Make sure the power supply is cut off before disassembling and protect all the parts during disassembly.		
Step	Illustration	Handling Instruction
Remove water-containing plate modules		<ul style="list-style-type: none"> remove the water-containing plate modules.
Remove evaporator components		
Remark: Make sure that the power supply is cut off and protect the copper tube and aluminum fin. If the time for disassembly shall be long, seal the copper tube .		
Step	Illustration	Handling Instruction
Remove evaporator components		<ul style="list-style-type: none"> Remove the screws as shown by the arrow in the graph with screwdriver. (There are 6 screws on left and right of the evaporator and 5 on evaporator outlet press plate modules)
Remove fixing plate sub-assy for air sweeping fans		
Remark: Make sure that the power supply is cut off before disassembling and protect all the parts during disassembly.		
Step	Illustration	Handling Instruction
Remove fixing plate sub-assy for air sweeping fans		<ul style="list-style-type: none"> Remove the screws shown in the graph with screwdriver.

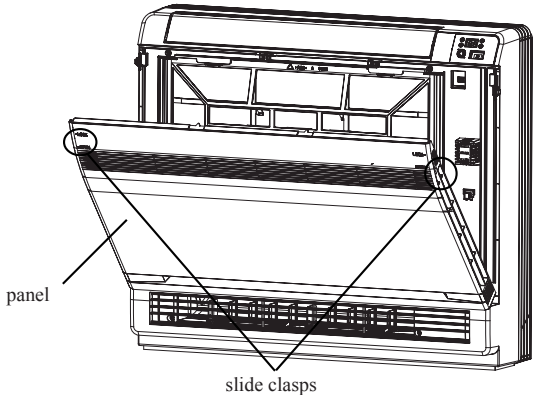
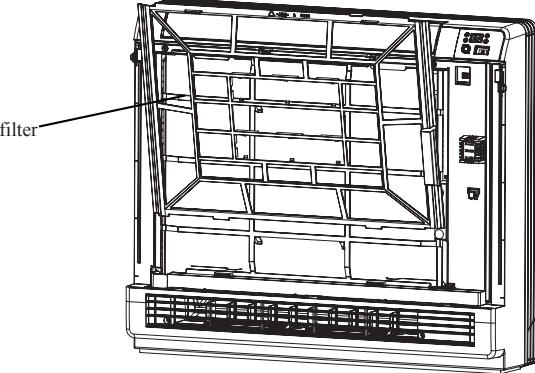
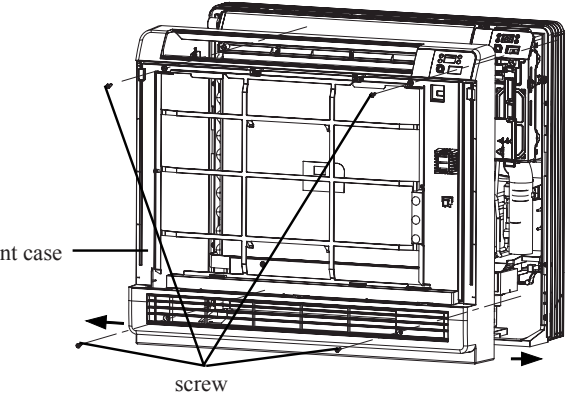
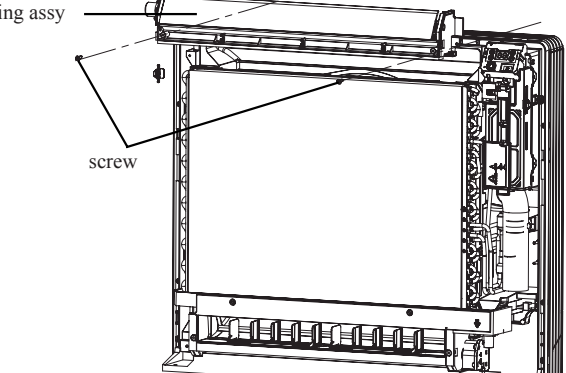
Remove fan and motor components

Remark: Make sure that the power supply is cut off before disassembling and protect all the parts during disassembly, especially the fastening screws for fans.

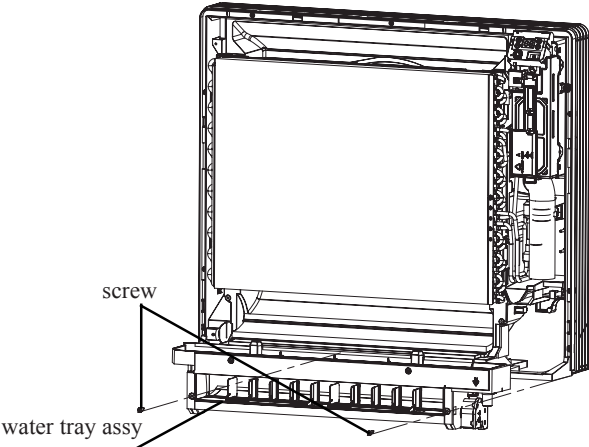
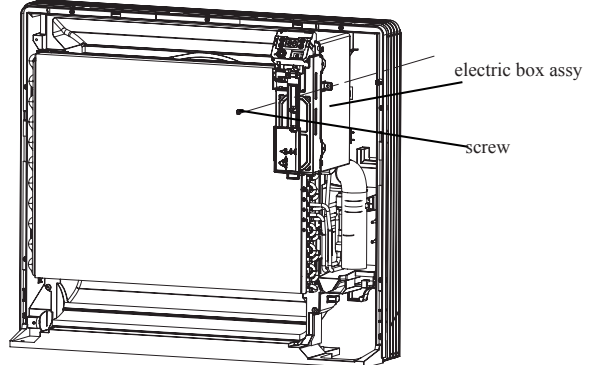
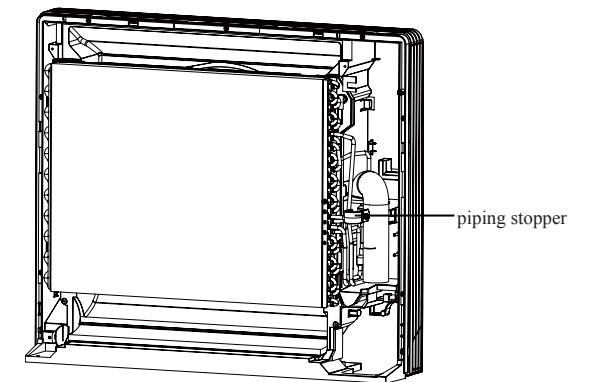
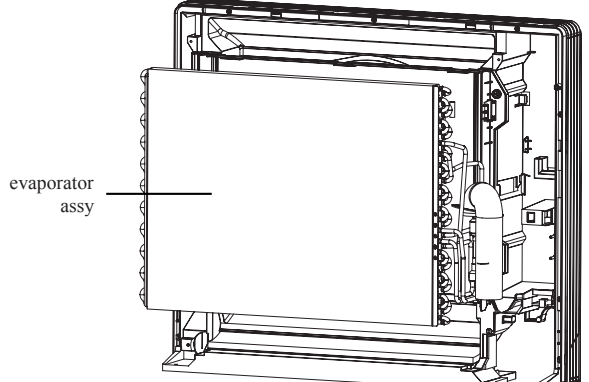
Step	Illustration	Handling Instruction
<p>1. Remove front and back scroll cases</p>		<ul style="list-style-type: none"> ● Press the buckle at the joints of front and back scroll cases with hands and pull upward to remove the front scroll case. Then remove the screws on the back scroll case. Lift the buckle of back scroll case with hands and remove it. (As is shown in the graph, circle represents 2 screws on left and right.)
<p>2. Remove fans</p>		<ul style="list-style-type: none"> ● Remove the fixing screws of fan wheel with inner hexagonal and remove the wheel. The inner hexagonal and its direction of effect are shown by the arrow in the graph.
<p>3. Remove bearing fixing plates</p>		<ul style="list-style-type: none"> ● Remove 4 screws on the bearing fixing plates with screwdriver. (As shown in the box in the graph)

4.5 Floor And Wall Mounted Type

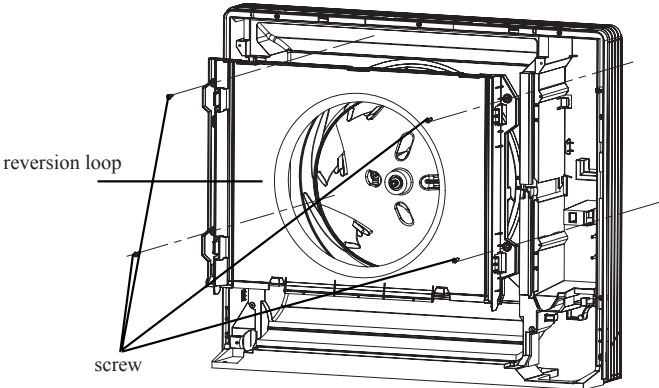
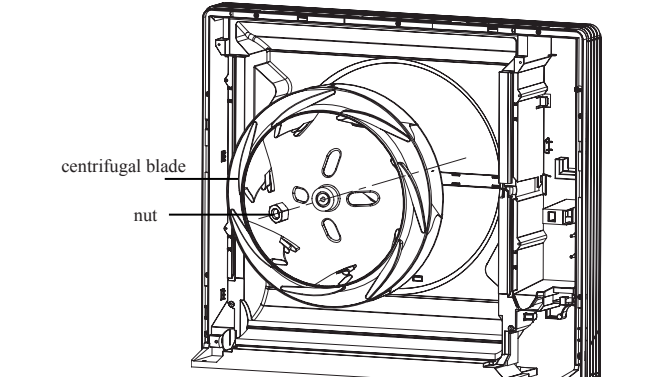
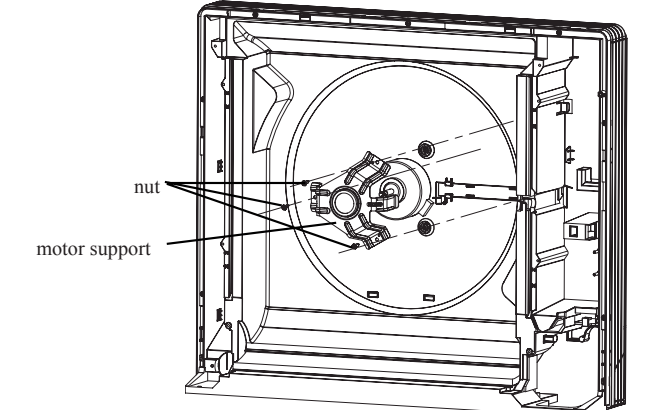
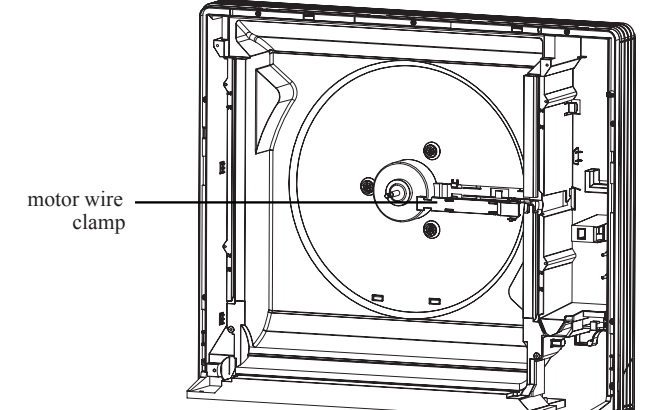
Warning! Be sure to wait for a minimum of 10 minutes after turning off all power supplies before disassembly.

Steps	Illustration	Handling instruction
1. Remove panel		<p>Pull the slide clasps at both sides of panel, pull the panel outwards, lift up the panel and then remove the panel.</p>
2. Remove filter		<p>Loosen the clasp on the upper side of filter, pull the panel outwards to remove it.</p>
3. Remove front case		<p>Remove the 4 screws fixing front case; Disengage the clasps on both sides (Follow the arrows); pull the front case outwards, and then remove the front case.</p>
4. Remove swing assy		<p>Remove 2 screws fixing swing assy, pull out the connection wires with electric box, and then pull the swing assy outwards to remove it.</p>

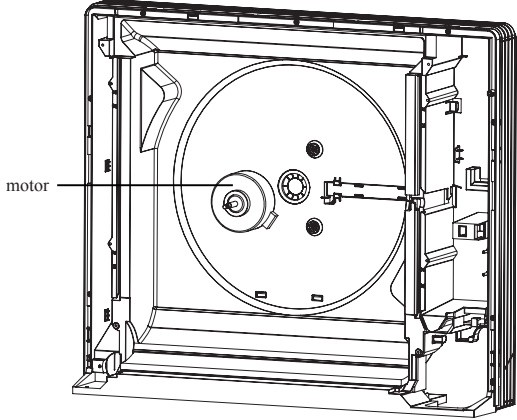
Warning! Be sure to wait for a minimum of 10 minutes after turning off all power supplies before disassembly.

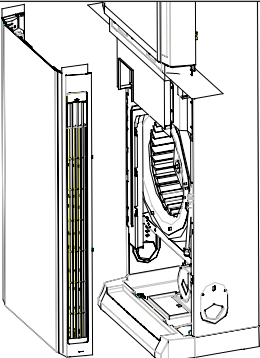
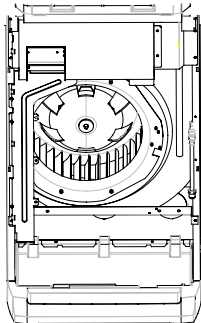
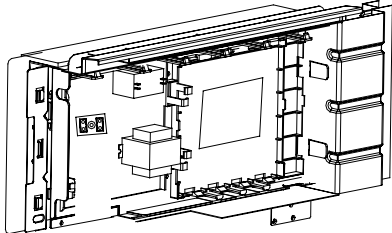
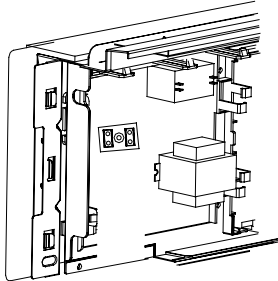
Steps	Illustration	Handling instruction
5. Remove water tray assy	 <p>The diagram shows a cross-section of the indoor unit with the water tray assembly at the bottom. A line points to a screw on the left side of the tray, and another line points to the tray itself. Labels include 'screw' and 'water tray assy'.</p>	<p>Remove 2 screws fixing water tray, and then pull the water tray outwards to remove it.</p>
6. Remove electric box assy	 <p>The diagram shows a cross-section of the indoor unit with the electric box assembly on the right side. A line points to a screw on the left side of the box, and another line points to the box itself. Labels include 'electric box assy' and 'screw'.</p>	<p>Remove one screw fixing electric box assy, pull out all connection wire, and then pull the electric box assy outwards to remove it.</p>
7. Remove piping stopper	 <p>The diagram shows a cross-section of the indoor unit with the piping stopper on the right side. A line points to the stopper. Label includes 'piping stopper'.</p>	<p>Loosen clasps between piping stopper and bottom case, and then pull the piping stopper outwards to remove it.</p>
8. Remove evaporator	 <p>The diagram shows a cross-section of the indoor unit with the evaporator assembly on the left side. A line points to the evaporator. Label includes 'evaporator assy'.</p>	<p>Loosen the clasps between evaporator and bottom case and then pull the evaporator outwards to remove it.</p>

Warning! Be sure to wait for a minimum of 10 minutes after turning off all power supplies before disassembly.

Steps	Illustration	Handling instruction
<p>9. Remove reversion loop</p>		<p>Remove 4 screws on reversion loop, and then remove the reversion loop.</p>
<p>10. Remove centrifugal blade</p>		<p>Remove nuts on centrifugal blade, and then pull the centrifugal blade outwards to remove it.</p>
<p>11. Remove motor support</p>		<p>Remove screws fixing motor support, and then remove the motor support.</p>
<p>12. Remove motor wire clamp</p>		<p>Loosen clasps between motor wire clamp and bottom case, and then pull the motor wire clamp to remove it.</p>

Warning! Be sure to wait for a minimum of 10 minutes after turning off all power supplies before disassembly.

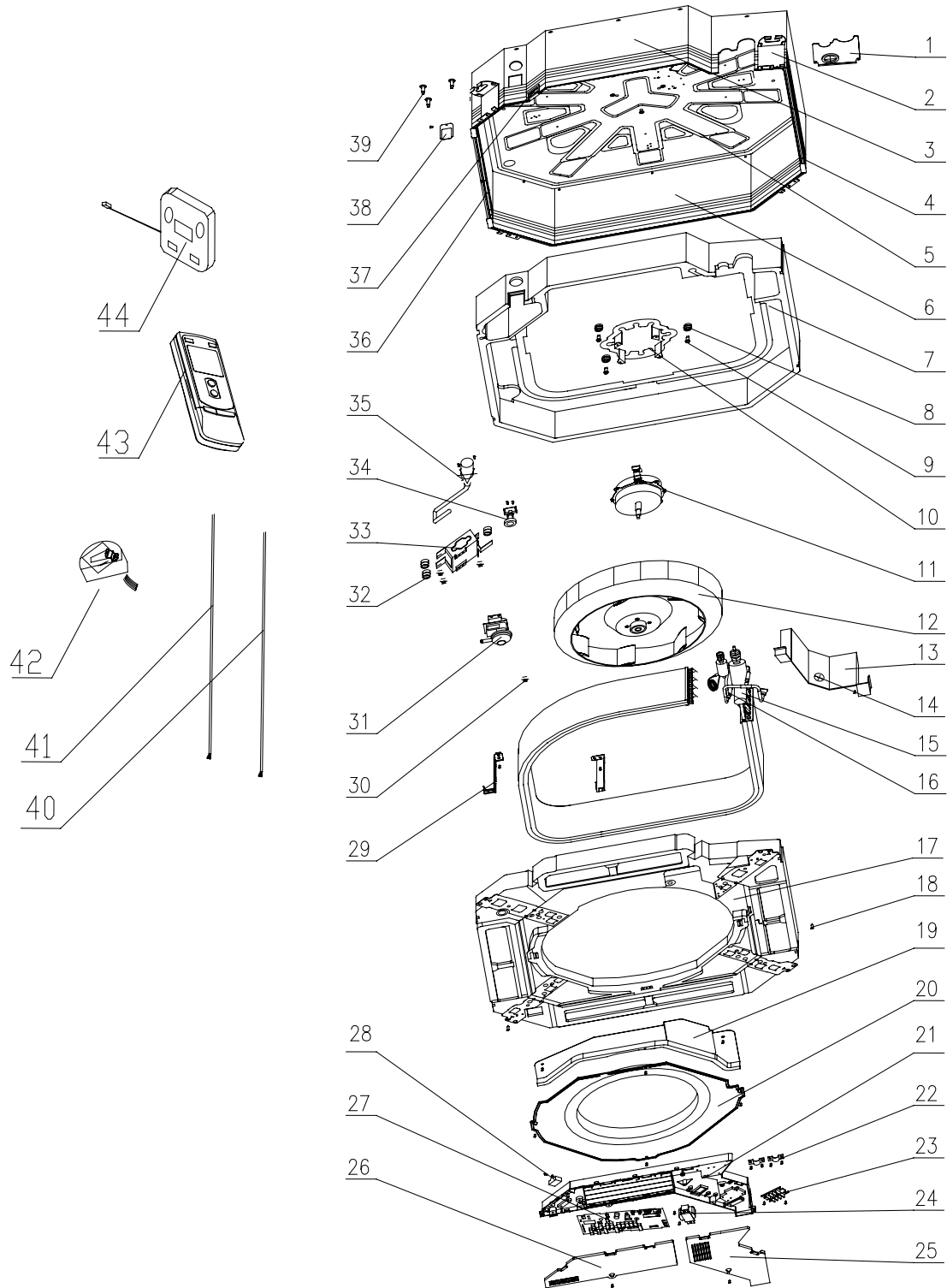
Steps	Illustration	Handling instruction
13. Removemotor	 <p>motor</p>	Remove the motor.

Removal and Assembly of electric box		
Remarks: Before removing the electric box, make sure to cut off the power firstly.		
Step	Illustration	Handling Instruction
1. Loosen the buckles on both sides of the bottom panel.		Cut off the power supply of indoor unit. Loosen the buckles on both sides of the bottom panel.
2. Unscrew the screws on the bottom panel and then pull it out outwards.		Unscrew the screws on the bottom panel and then pull it out outwards.
3. Unscrew the screws on the electric box and then open the cover of it.		Unscrew the screws on the electric box and then open the cover of it.
4. Connect the power cord and the connection pipe.		Connect the power cord and the connection pipe.

5 EXPLODED VIEWS AND PART LIST

5.1 Four-way Cassette Type

- Exploded View of GMV-R28T/Na-K, GMV-R36T/Na-K, GMV-R45T/Na-K.

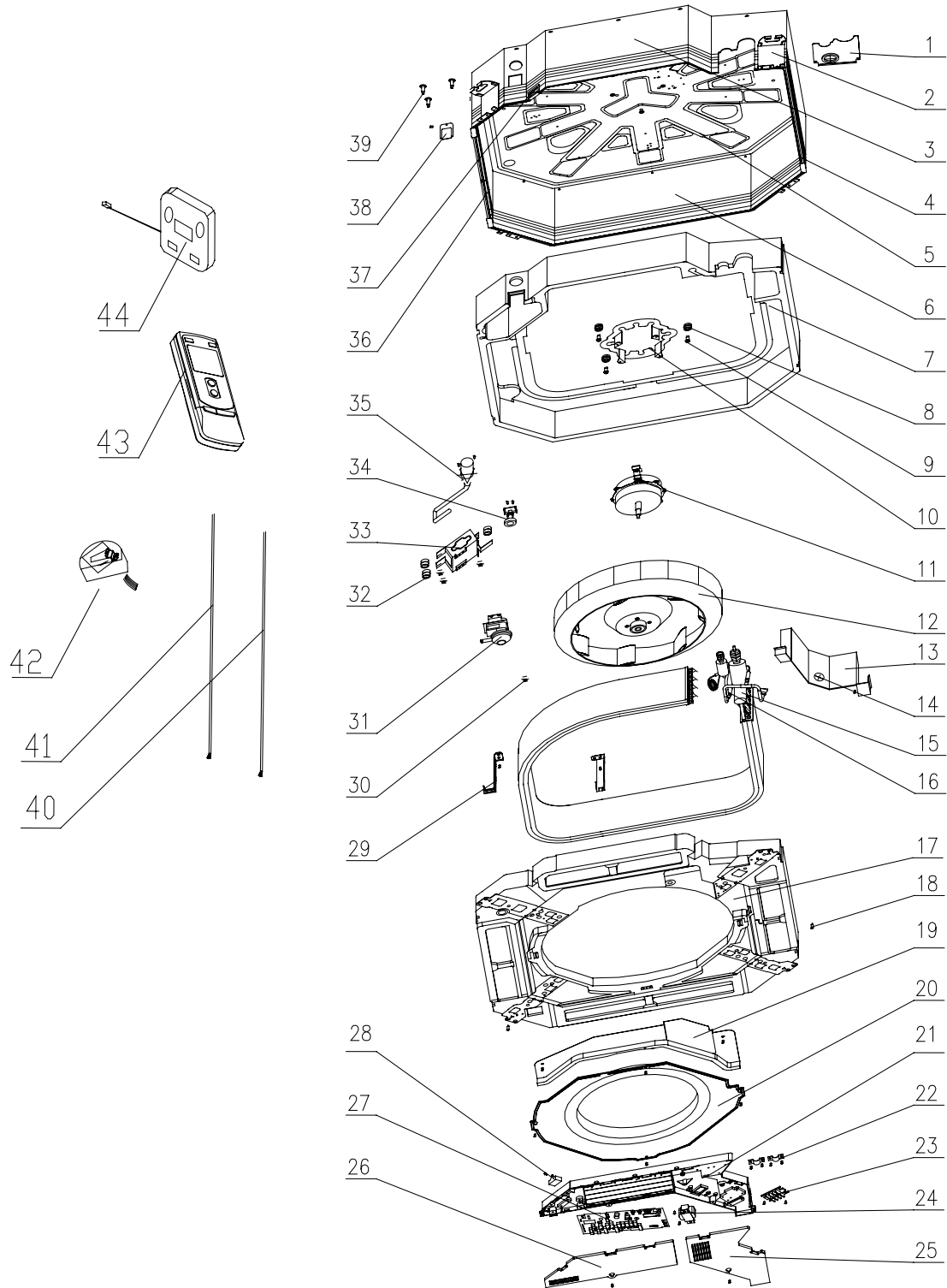


● Parts List of GMV-R28T/Na-K for EM503N0091,GMV-R36T/Na-K for EM501N0151,GMV-R45T/Na-K for EM503N0081,GMV-R50T/Na-K for EM501N0171.

No.	Part Name	GMV-R28T/Na-K	GMV-R36T/Na-K	Qty.
		Code	Code	
1	Tube Exit Plate	01382710	01382710	1
2	Body Fixed Plate	01332701	01332701	4
3	Front Side Plate	01302717	01302717	1
4	Left Side Plate	01302740	01302740	1
5	Base Plate	01222702	01222702	1
6	Rear Side Plate	01302719	01302719	1
7	Bottom Foam	52012716	52012716	1
8	Motor Gasket	76712711	76712711	4
9	Bolt	70210051	70210051	4
10	Motor Fixer	01702701	01702701	1
11	Motor	15704901	15704901	1
12	Centrifugal Fan	10312721	10312721	1
13	Evaporator Connection	01072004	01072004	1
14	Cable-cross Loop	76513101	76513101	2
15	Evaporator Assy	0102422401	01024224	1
16	Electronic Expansile Valve	07334281	07334281	1
17	Water Tray	12412701	12412701	1
18	Screw	70140032	70140032	2
19	Electric Box Base Plate	01412721	01412721	1
20	Flow Guide Loop	10372701	10372701	1
21	Electric Box	20102701	20102701	1
22	Wire Clamp	71010102	71010102	2
23	Terminal Board	42011222	42011222	1
24	Transformer	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	1
27	Main PCB	30226315	30226315	1
28	Capacitor	33010027	33010027	1
29	Evaporator Support	01072003	01072003	2
30	Nut with Washer M6	70310012	70310012	4
31	Pipe Pump PJV-1415	43130324	43130324	1
32	Pump Gasket	76712702	76712702	3
33	Pump Support	01332001	01332001	1
34	Water Level Switch	45010201	45010201	1
35	Drainage Pipe Pump	05232721	05232721	1
36	Right Side Plate	01302710	01302710	1
37	Cable-cross Loop	76512702	76512702	1
38	Pump Cover	01252710	01252710	1
39	Bolt	70212711	70212711	4
40	Signal Cable	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	1
43	Remote Controller	305125063	305125063	1
44	Display Board	30296309	30296309	1

No.	Part Name	GMV-R45T/Na-K	GMV-R50T/Na-K	Qty.
		Code	Code	
1	Tube Exit Plate	01382710	01382710	1
2	Body Fixed Plate	01332701	01332701	4
3	Front Side Plate	01302717	01302717	1
4	Left Side Plate	01302740	01302740	1
5	Base Plate	01222702	01222702	1
6	Rear Side Plate	01302719	01302719	1
7	Bottom Foam	52012716	52012716	1
8	Motor Gasket	76712711	76712711	4
9	Bolt	70210051	70210051	4
10	Motor Fixer	01702701	01702701	1
11	Motor	15704901	15704901	1
12	Centrifugal Fan	10312721	10312721	1
13	Evaporator Connection	01072004	01072004	1
14	Cable-cross Loop	76513101	76513101	2
15	Evaporator Assy	01024223	01024223	1
16	Electronic Expansile Valve	07334283	07334283	1
17	Water Tray	12412701	12412701	1
18	Screw	70140032	70140032	2
19	Electric Box Base Plate	01412721	01412721	1
20	Flow Guide Loop	10372701	10372701	1
21	Electric Box	20102701	20102701	1
22	Wire Clamp	71010102	71010102	2
23	Terminal Board	42011222	42011222	1
24	Transformer	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	1
27	Main PCB	30226315	30226315	1
28	Capacitor	33010027	33010027	1
29	Evaporator Support	01072003	01072003	2
30	Nut with Washer M6	70310012	70310012	4
31	Pipe Pump	43130324	43130324	1
32	Pump Gasket	76712702	76712702	3
33	Pump Support	01332001	01332001	1
34	Water Level Switch	45010201	45010201	1
35	Drainage Pipe Pump	05232721	05232721	1
36	Right Side Plate	01302710	01302710	1
37	Cable-cross Loop	76512702	76512702	1
38	Pump Cover	01252710	01252710	1
39	Bolt	70212711	70212711	4
40	Signal Cable	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	1
43	Remote Controller	305125063	305125063	1
44	Display Board	30296309	30296309	1

● Exploded View of GMV-R56T/Na-K,GMV-R63T/Na-K, GMV-R71T/Na-K,GMV-R80T/Na-K.

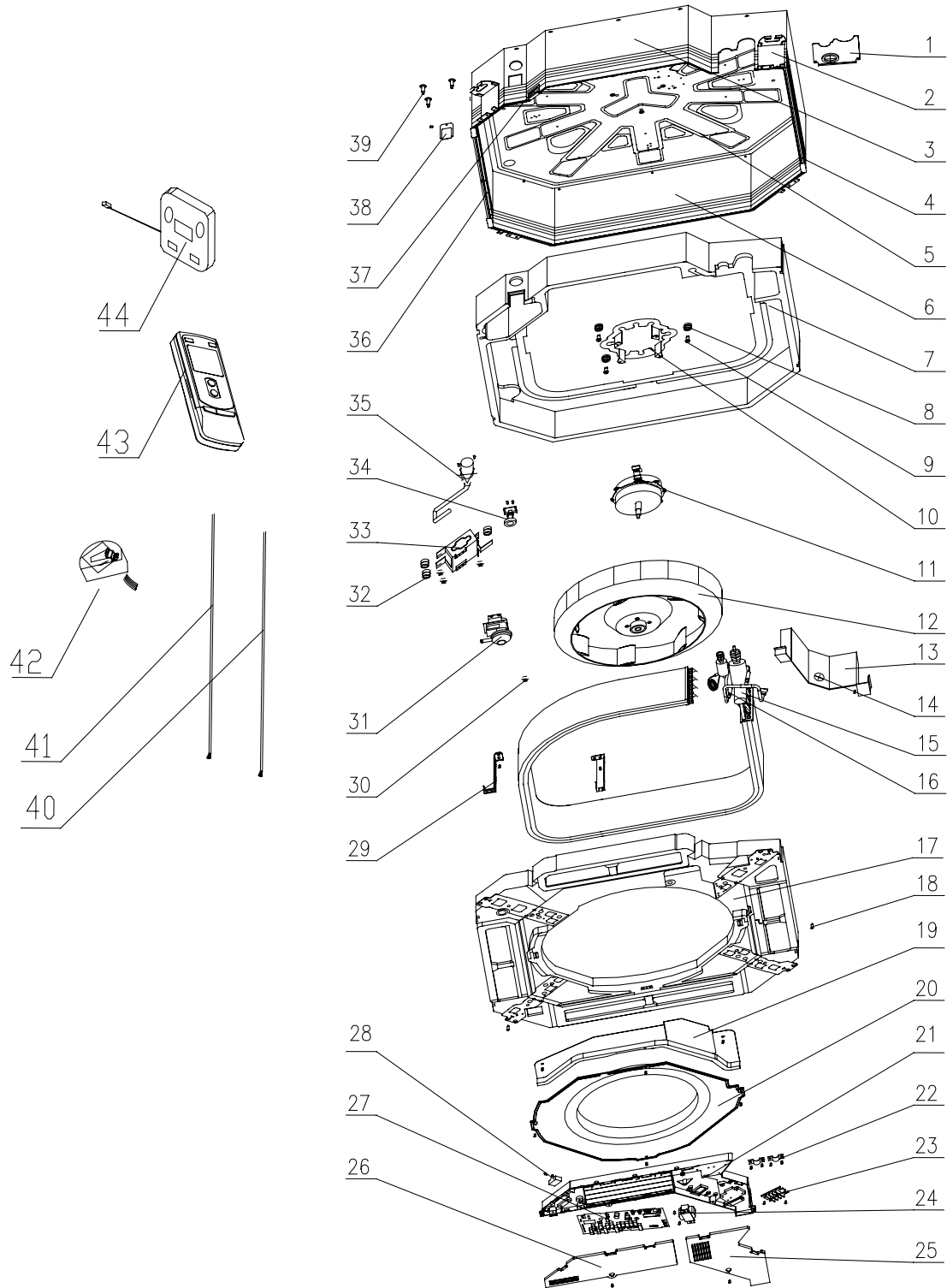


● Parts List of GMV-R56T/Na-K for EM503N0121 , GMV-R63T/Na-K for CM501N0011,GMV-R71T/Na-K for EM501N0131,GMV-R80T/Na-K for CM501N0031.

No.	Part Name	GMV-R56T/Na-K	GMV-R63T/Na-K	Qty.
		Code	Code	
1	Tube Exit Plate	01382711	01382711	1
2	Body Fixed Plate	01332701	01332701	4
3	Front Side Plate	01302718	01302718	1
4	Left Side Plate	01302715	01302715	1
5	Base Plate	01222702	01222702	1
6	Rear Side Plate	01302719	01302714	1
7	Bottom Foam	52012711	52012711	1
8	Motor Gasket	76712711	76712711	4
9	Bolt	70210051	70210051	4
10	Motor Fixer	01702701	01702701	1
11	Motor	15704102	15704102	1
12	Centrifugal Fan	10312705	10312705	1
13	Evaporator Connection	01072710	01072710	1
14	Cable-cross Loop	76513101	76513101	2
15	Evaporator Assy	01024225	01024225	1
16	Electronic Expansile Valve	07334283	07334283	1
17	Water Tray	12412701	12412701	1
18	Screw	70140032	70140032	4
19	Electric Box Base Plate	01412721	01412721	1
20	Flow Guide Loop	10372701	10372701	1
21	Electric Box	20102701	20102701	1
22	Wire Clamp	71010102	71010102	2
23	Terminal Board	42011222	42011222	1
24	Transformer	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	1
27	Main PCB	30226315	30226315	1
28	Capacitor	33010027	33010027	1
29	Evaporator Support	01072715	01072715	2
30	Nut with Washer M6	70310012	70310012	4
31	Pipe Pump PJV-1415	43130324	43130324	1
32	Pump Gasket	76712702	76712702	3
33	Pump Support	01329416	01329416	1
34	Water Level Switch	45010201	45010201	1
35	Drainage Pipe Pump	05230026	05230026	1
36	Right Side Plate	01302716	01302716	1
37	Cable-cross Loop	76512702	76512702	1
38	Pump Cover	01252711	01252711	1
39	Bolt	70212711	70212711	4
40	Signal Cable	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	1
43	Remote Controller	305125063	305125063	1
44	Display Board	30296309	30296309	1

No.	Part Name	GMV-R71T/Na-K	GMV-R80T/Na-K	Qty.
		Code	Code	
1	Tube Exit Plate	01382711	01382711	1
2	Body Fixed Plate	01332701	01332701	4
3	Front Side Plate	01302718	01302718	1
4	Left Side Plate	01302715	01302715	1
5	Base Plate	01222702	01222702	1
6	Rear Side Plate	01302714	01302714	1
7	Bottom Foam	52012711	52012711	1
8	Motor Gasket	76712711	76712711	4
9	Bolt	70210051	70210051	4
10	Motor Fixer	01702701	01702701	1
11	Motor	15704102	15704102	1
12	Centrifugal Fan	10312705	10312705	1
13	Evaporator Connection	01072710	01072710	1
14	Cable-cross Loop	76513101	76513101	2
15	Evaporator Assy	01024225	01024225	1
16	Electronic Expansile Valve	07334283	07334283	1
17	Water Tray	12412701	12412701	1
18	Screw	70140032	70140032	4
19	Electric Box Base Plate	01412721	01412721	1
20	Flow Guide Loop	10372701	10372701	1
21	Electric Box	20102701	20102701	1
22	Wire Clamp	71010102	71010102	2
23	Terminal Board	42011222	42011222	1
24	Transformer	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	1
27	Main PCB	30226315	30226315	1
28	Capacitor	33010027	33010027	1
29	Evaporator Support	01072715	01072715	2
30	Nut with Washer M6	70310012	70310012	4
31	Pipe Pump PJV-1415	43130324	43130324	1
32	Pump Gasket	76712702	76712702	3
33	Pump Support	01329416	01329416	1
34	Water Level Switch	45010201	45010201	1
35	Drainage Pipe Pump	05230026	05230026	1
36	Right Side Plate	01302716	01302716	1
37	Cable-cross Loop	76512702	76512702	1
38	Pump Cover	01252711	01252711	1
39	Bolt	70212711	70212711	4
40	Signal Cable	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	1
43	Remote Controller	305125063	305125063	1
44	Display Board	30296309	30296309	1

● Exploded View of GMV-R90T/Na-K, GMV-R100T/Na-K, GMV-R112T/Na-K, GMV-R125T/Na-K, GMV-R140T/Na-K.

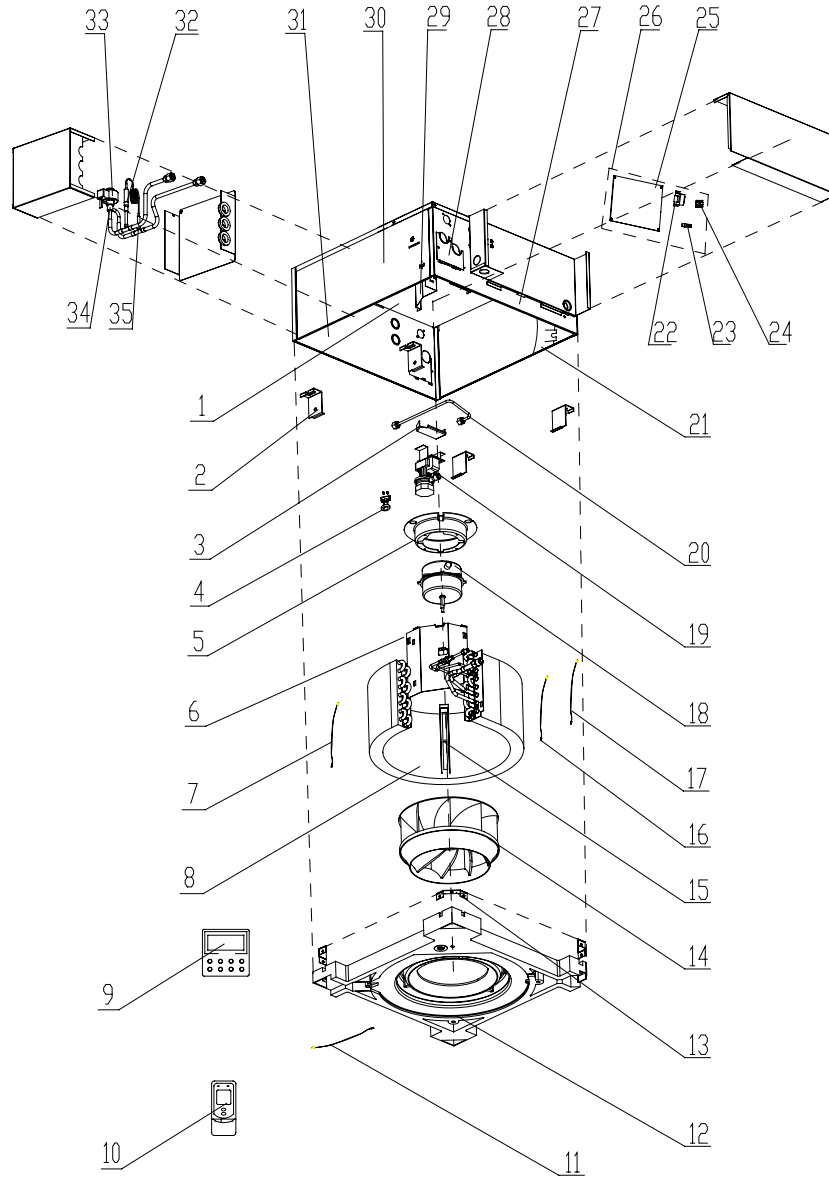


● Parts List of GMV-R90T/Na-K for EM501N0091 ,GMV-R100T/Na-K for CM501N0051,GMV-R112T/Na-K for EM501N0111 ,GMV-R125T/Na-K for CM501N0071,GMV-R140T/Na-K for CM501N0091 .

No.	Part Name	GMV-R90T/Na-K	GMV-R100T/Na-K	Qty.
		Code	Code	
1	Tube Exit Plate	01382711	01382711	1
2	Body Fixed Plate	01332701	01332701	4
3	Front Side Plate	01302713	01302713	1
4	Left Side Plate	01302711	01302711	1
5	Base Plate	01222702	01222702	1
6	Rear Side Plate	01302709	01302709	1
7	Bottom Foam	52012717	52012717	1
8	Motor Gasket	76712711	76712711	4
9	Bolt	70210051	70210051	4
10	Motor Fixer	01702701	01702701	1
11	Motor	15704103	15704103	1
12	Centrifugal Fan	10312701	10312701	1
13	Evaporator Connection	01072708	01072708	1
14	Cable-cross Loop	76515202	76515202	2
15	Evaporator Assy	01024612	01024612	1
16	Electronic Expansile Valve	07330001	07330001	1
17	Water Tray	12412701	12412701	1
18	Screw	70140032	70140032	4
19	Electric Box Base Plate	01412721	01412721	1
20	Flow Guide Loop	10372722	10372722	1
21	Electric Box	20102701	20102701	1
22	Wire Clamp	71010102	71010102	2
23	Terminal Board	42011222	42011222	1
24	Transformer	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	1
27	Main PCB	30226315	30226315	1
28	Capacitor	33010011	33010011	1
29	Evaporator Support	01072708	01072708	2
30	Nut with Washer M6	70310012	70310012	4
31	Pipe Pump PJV-1415	43130324	43130324	1
32	Pump Gasket	76712702	76712702	3
33	Pump Support	01332721	01332721	1
34	Water Level Switch	45010201	45010201	1
35	Drainage Pipe Pump	05230026	05230026	1
36	Right Side Plate	01302712	01302712	1
37	Cable-cross Loop	76512702	76512702	1
38	Pump Cover	01252711	01252711	1
39	Bolt	70212701	70212701	4
40	Signal Cable	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	1
43	Remote Controller	305125063	305125063	1
44	Display Board	30296309	30296309	1

No.	Part Name	GMV-R112T/Na-K	GMV-R125T/Na-K	GMV-R140T/Na-K	Qty.
		Code	Code	Code	
1	Tube Exit Plate	01382711	01382711	01382711	1
2	Body Fixed Plate	01332701	01332701	01332701	4
3	Front Side Plate	01302713	01302713	01302713	1
4	Left Side Plate	01302711	01302711	01302711	1
5	Base Plate	01222702	01222702	01222702	1
6	Rear Side Plate	01302709	01302709	01302709	1
7	Bottom Foam	52012717	52012717	52012717	1
8	Motor Gasket	76712711	76712711	76712711	4
9	Bolt	70210051	70210051	70210051	4
10	Motor Fixer	01702701	01702701	01702701	1
11	Motor	15704103	15704103	15704103	1
12	Centrifugal Fan	10312701	10312701	10312701	1
13	Evaporator Connection	01072708	01072708	01072708	1
14	Cable-cross Loop	76515202	76515202	76515202	2
15	Evaporator Assy	01024612	01024612	01024612	1
16	Electronic Expansile Valve	07330001	07330001	07330001	1
17	Water Tray	12412701	12412701	12412701	1
18	Screw	70140032	70140032	70140032	4
19	Electric Box Base Plate	01412721	01412721	01412721	1
20	Flow Guide Loop	10372722	10372722	10372722	1
21	Electric Box	20102701	20102701	20102701	1
22	Wire Clamp	71010102	71010102	71010102	2
23	Terminal Board	42011222	42011222	42011222	1
24	Transformer	43110233	43110233	43110233	1
25	Electric Box Cover I	20102702	20102702	20102702	1
26	Electric Box Cover II	20102703	20102703	20102703	1
27	Main PCB	30226315	30226315	30226315	1
28	Capacitor	33010011	33010011	33010011	1
29	Evaporator Support	01072708	01072708	01072708	2
30	Nut with Washer M6	70310012	70310012	70310012	4
31	Pipe Pump PJV-1415	43130324	43130324	43130324	1
32	Pump Gasket	76712702	76712702	76712702	3
33	Pump Support	01332721	01332721	01332721	1
34	Water Level Switch	45010201	45010201	45010201	1
35	Drainage Pipe Pump	05230026	05230026	05230026	1
36	Right Side Plate	01302712	01302712	01302712	1
37	Cable-cross Loop	76512702	76512702	76512702	1
38	Pump Cover	01252711	01252711	01252711	1
39	Bolt	70212701	70212701	70212701	4
40	Signal Cable	4001039509	4001039509	4001039509	1
41	Connecting Wire	40010232	40010232	40010232	1
42	Magnet Coil for Electronic Expansion Valve	43040001	43040001	43040001	1
43	Remote Controller	305125063	305125063	305125063	1
44	Display Board	30296309	30296309	30296309	1

- Exploded View of GMV-R22T/NaA-K,GMV-R28T/NaA -K,GMV-R36T/NaA-K,GMV-R45T/NaA -K.

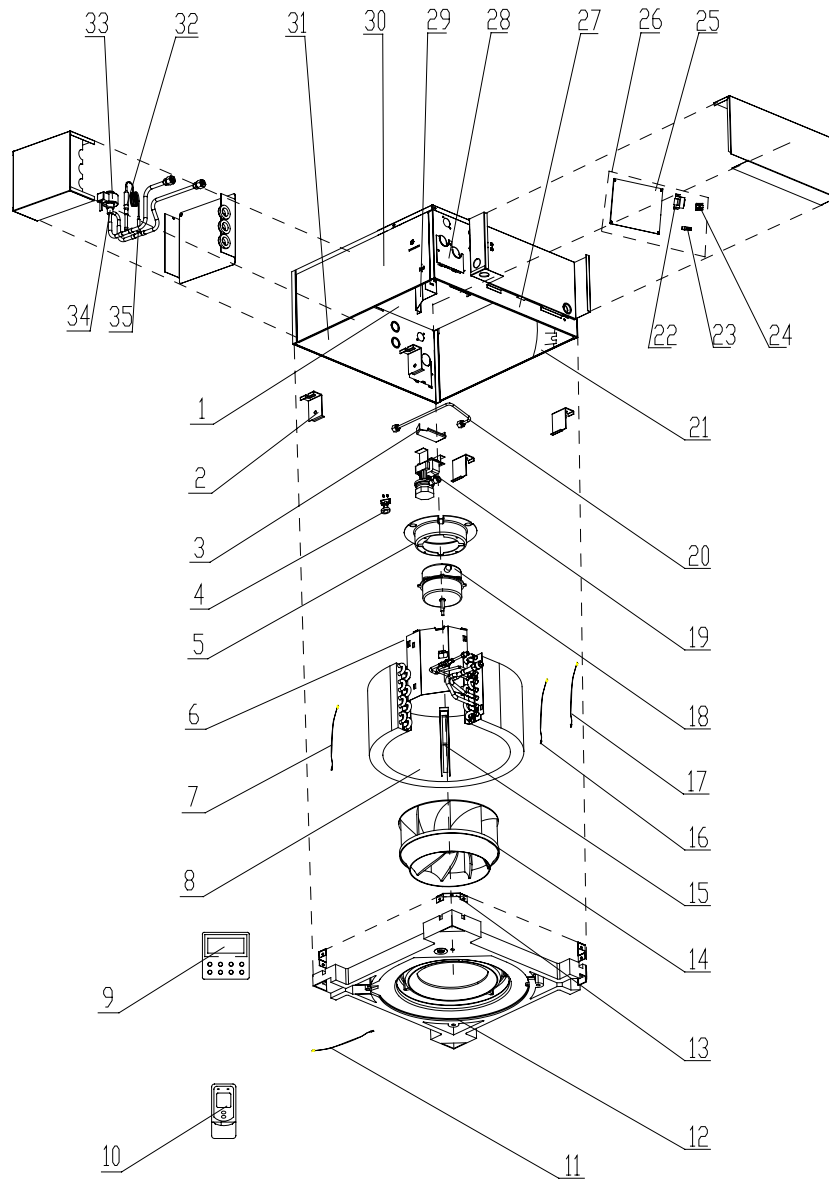


- Parts List of GMV-R22T/NaA-K for CM500N0100,GMV-R28T/NaA-K for CM500N0110,GMV-R36T/NaA-K for CM500N0120 ,GMV-R45T/NaA -K for CM500N0130.

No.	Part Name	GMV-R22T/NaA-K	GMV-R28T/NaA-K	Qty.
		Code	Code	
1	Seat Board Sub-Assy	01222712	01222712	1
2	Body Installing Support	01332705	01332705	4
3	Pump Support Assy	01332708	01332708	1
4	Water Level Switch	450127011	450127011	1
5	Motor Support	01702702	01702702	1
6	Evaporator Connection Board	01072713	01072713	1
7	Temperature Sensor	390001982G	390001982G	1
8	Evaporator Assy	01024194	01024194	1
9	Display Board	30296309	30296309	1
10	Remote Controller	305125063	305125063	1
11	Ambient Temperature Sensor	3900019813	3900019813	1
12	Water Tray Assy	20182704	20182704	1
13	Water Tray Support	01332706	01332706	4
14	Centrifugal Fan	10312702	10312702	1
15	Evaporator Support	01072714	01072714	1
16	Tube sensor	390001981G	390001981G	1
17	Tube sensor	390001983G	390001983G	1
18	Fan Motor	15704114	15704114	1
19	Water Pump	43130320	43130320	1
20	Pump Drainpipe	05232722	05232722	1
21	Pass WirePlate	01362701	01362701	1
22	Transformer	43110226	43110226	1
23	Capacitor CBB61	33010026	33010026	1
24	Terminal Board	42011106	42011106	1
25	Main Board	30226199	30226199	1
26	Electric Box Assy	01394806	01394806	1
27	Front Side Plate	01314211	01314211	1
28	Tube Exit Plate Assy	01382719	01382719	1
29	Right Baffle Assy	01362704	01362704	1
30	Right Side Plate Sub-Assy	01302743	01302743	2
31	Front Side Plate	01314211	01314211	1
32	Electric expand valve fitting	4304000101	4304000101	1
33	Filter Sub-Assy	11120012	11120012	2
34	Electronic Expansion Valve	07334282	07334282	1
35	One way Valve	07334200	07334200	1

No.	Part Name	GMV-R36T/NaA-K	GMV-R45T/NaA-K	Qty.
		Code	Code	
1	Seat Board Sub-Assy	01222712	01222712	1
2	Body Installing Support	01332705	01332705	4
3	Pump Support Assy	01332708	01332708	1
4	Water Level Switch	450127011	450127011	1
5	Motor Support	01702702	01702702	1
6	Evaporator Connection Board	01072713	01072713	1
7	Temperature Sensor	390001982G	390001982G	1
8	Evaporator Assy	01024200	01024200	1
9	Display Board	30296309	30296309	1
10	Remote Controller	305125063	305125063	1
11	Ambient Temperature Sensor	3900019813	3900019813	1
12	Water Tray Assy	20182704	20182704	1
13	Water Tray Support	01332706	01332706	4
14	Centrifugal Fan	10312702	10312702	1
15	Evaporator Support	01072714	01072714	1
16	Tube sensor	390001981G	390001981G	1
17	Tube sensor	390001983G	390001983G	1
18	Fan Motor	15704114	15704114	1
19	Water Pump	43130320	43130320	1
20	Pump Drainpipe	05232722	05232722	1
21	Pass WirePlate	01362701	01362701	1
22	Transformer	43110226	43110226	1
23	Capacitor CBB61	33010026	33010026	1
24	Terminal Board	42011106	42011106	1
25	Main Board	30226199	30226199	1
26	Electric Box Assy	01394806	01394806	1
27	Front Side Plate	01314211	01314211	1
28	Tube Exit Plate Assy	01382719	01382719	1
29	Right Baffle Assy	01362704	01362704	1
30	Right Side Plate Sub-Assy	01302743	01302743	2
31	Front Side Plate	01314211	01314211	1
32	Electric expand valve fitting	4304000101	4304000101	1
33	Filter Sub-Assy	11120012	11120012	2
34	Electronic Expansion Valve	07334282	07334282	1
35	One way Valve	07334200	07334200	1

- Exploded View of GMVL-R22T/NaA-K, GMVL-R28T/NaA -K, GMVL-R36T/NaA-K, GMVL-R45T/NaA -K.



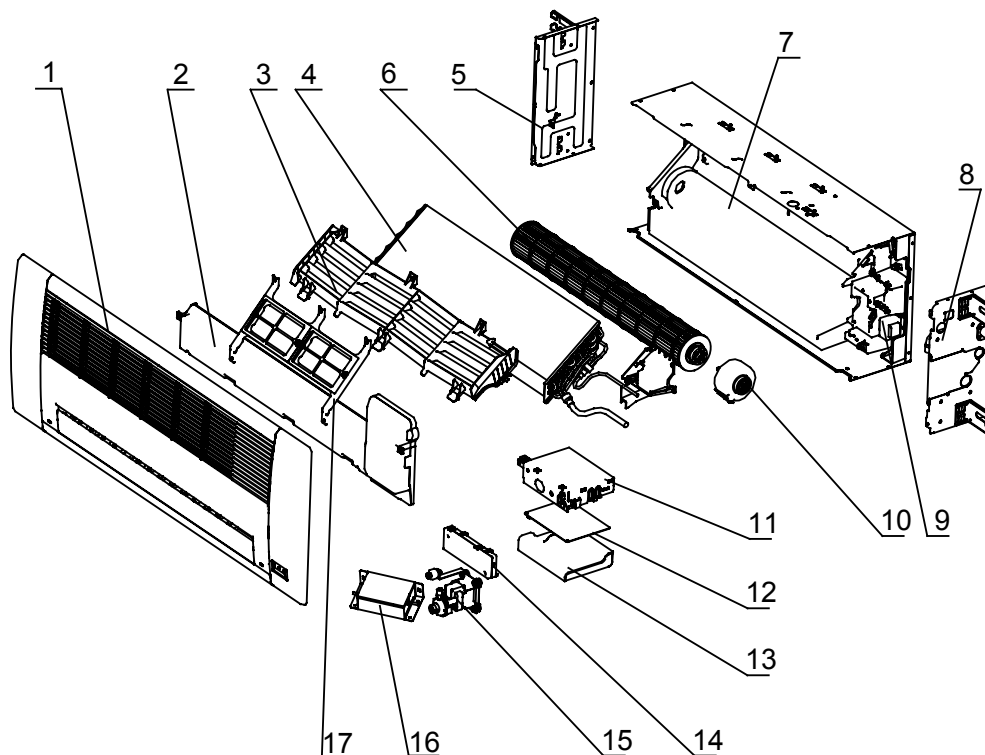
● Parts List of GMVL-R22T/NaA-K for CM500N0140,GMVL-R28T/NaA-K for CM500N0150,GMVL-R36T/NaA-K for CM500N0160,GMVL-R45T/NaA -K for CM500N0170.

No.	Part Name	GMVL-R22T/NaA-K	GMVL-R28T/NaA-K	Qty.
		Code	Code	
1	Seat Board Sub-Assy	01222712	01222712	1
2	Body Installing Support	01332705	01332705	4
3	Pump Support Assy	01332708	01332708	1
4	Water Level Switch	450127011	450127011	1
5	Motor Support	01702702	01702702	1
6	Evaporator Connection Board	01072713	01072713	1
7	Temperature Sensor	390001982G	390001982G	1
8	Evaporator Assy	01024194	01024194	1
9	Display Board	30296308	30296308	1
10	Remote Controller	305125063	305125063	1
11	Ambient Temperature Sensor	3900019813	3900019813	1
12	Water Tray Assy	20182704	20182704	1
13	Water Tray Support	01332706	01332706	4
14	Centrifugal Fan	10312702	10312702	1
15	Evaporator Support	01072714	01072714	1
16	Tube sensor	390001981G	390001981G	1
17	Tube sensor	390001983G	390001983G	1
18	Fan Motor	15704114	15704114	1
19	Water Pump	43130320	43130320	1
20	Pump Drainpipe	05232722	05232722	1
21	Pass WirePlate	01362701	01362701	1
22	Transformer	43110226	43110226	1
23	Capacitor CBB61	33010026	33010026	1
24	Terminal Board	42011106	42011106	1
25	Main Board	30226198	30226198	1
26	Electric Box Assy	01394938	01394938	1
27	Front Side Plate	01314211	01314211	1
28	Tube Exit Plate Assy	01382719	01382719	1
29	Right Baffle Assy	01362704	01362704	1
30	Right Side Plate Sub-Assy	01302743	01302743	2
31	Front Side Plate	01314211	01314211	1
32	Electric expand valve fitting	4304000101	4304000101	1
33	Filter Sub-Assy	11120012	11120012	2
34	Electronic Expansion Valve	07334282	07334282	1
35	One way Valve	07334200	07334200	1

No.	Part Name	GMVL-R36T/NaA-K	GMVL-R45T/NaA-K	Qty.
		Code	Code	
1	Seat Board Sub-Assy	01222712	01222712	1
2	Body Installing Support	01332705	01332705	4
3	Pump Support Assy	01332708	01332708	1
4	Water Level Switch	450127011	450127011	1
5	Motor Support	01702702	01702702	1
6	Evaporator Connection Board	01072713	01072713	1
7	Temperature Sensor	390001982G	390001982G	1
8	Evaporator Assy	01024200	01024200	1
9	Display Board	30296308	30296308	1
10	Remote Controller	305125063	305125063	1
11	Ambient Temperature Sensor	3900019813	3900019813	1
12	Water Tray Assy	20182704	20182704	1
13	Water Tray Support	01332706	01332706	4
14	Centrifugal Fan	10312702	10312702	1
15	Evaporator Support	01072714	01072714	1
16	Tube sensor	390001981G	390001981G	1
17	Tube sensor	390001983G	390001983G	1
18	Fan Motor	15704114	15704114	1
19	Water Pump	43130320	43130320	1
20	Pump Drainpipe	05232722	05232722	1
21	Pass WirePlate	01362701	01362701	1
22	Transformer	43110226	43110226	1
23	Capacitor CBB61	33010026	33010026	1
24	Terminal Board	42011106	42011106	1
25	Main Board	30226198	30226198	1
26	Electric Box Assy	01394938	01394938	1
27	Front Side Plate	01314211	01314211	1
28	Tube Exit Plate Assy	01382719	01382719	1
29	Right Baffle Assy	01362704	01362704	1
30	Right Side Plate Sub-Assy	01302743	01302743	2
31	Front Side Plate	01314211	01314211	1
32	Electric expand valve fitting	4304000101	4304000101	1
33	Filter Sub-Assy	11120012	11120012	2
34	Electronic Expansion Valve	07334282	07334282	1
35	One way Valve	07334200	07334200	1

5.2 One-way Cassette Type

Exploded View of GMV(L)-R22Td/Na-K,GMV(L)-R28Td/Na-K,GMV(L)-R36Td/Na-K.



● Parts List of GMV-R22Td/Na-K for CM502N0010,GMVL-R22Td/Na-K for CM502N0020,GMV-R28Td/Na-K for CM502N0030,GMVL-R28Td/Na-K for CM502N0040,GMV-R36Td/Na-K for CM502N0050,GMVL-R36Td/Na-K for CM502N0060.

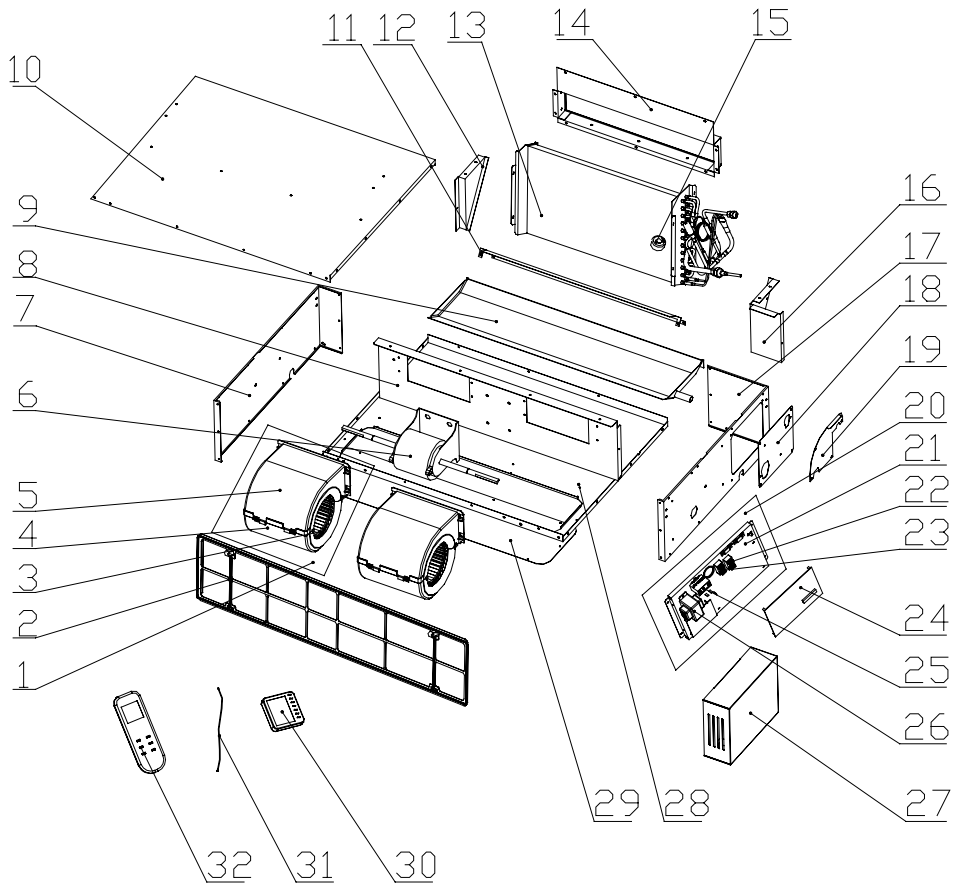
No.	Part Name	Code		Qty.
		GMV-R22Td/Na-K	GMVL-R22Td/Na-K	
1	Front Panel Assy	/	/	1
2	Water Tray Assy	12412702	12412702	1
3	Water Lead Panel	24212708	24212708	1
4	Evaporator Assy	01024168	01024168	1
5	Left Side Plate Assy	01302729	01302729	1
6	Cross Flow Fan	10352701	10352701	1
7	Base Plate Assy	01222714	01222714	1
8	Right Side Plate Assy	01302746	01302746	1
9	Rear Case Assy	22202702	22202702	1
10	Fan Motor	1570410401	1570410401	1
11	Electric Box Assy	01394455	02404614	1
12	Main Board	30226094	30226092	1
13	Electric Box Cover Plate	01412725	01412725	1
14	Terminal Board Cover	222427221	222427221	1
15	Drainage Pump	43132701	43132701	1
16	Electronic Expansion Valve	07334191	07334191	1
17	Supporter	01792703	01792703	1

No.	Part Name	Code		Qty.
		GMV-R28Td/Na-K	GMVL-R28Td/Na-K	
1	Front Panel Assy (MT01)	/	/	1
2	Water Tray Assy	12412702	12412702	1
3	Water Lead Panel	24212708	24212708	1
4	Evaporator Assy	01024205	01024205	1
5	Left Side Plate Assy	01302729	01302729	1
6	Cross Flow Fan	10352701	10352701	1
7	Base Plate Assy	01222714	01222714	1
8	Right Side Plate Assy	01302746	01302746	1
9	Rear Case assy	22202702	22202702	1
10	Fan Motor	1570410401	1570410401	1
11	Electric Box Assy	01394455	02404614	1
12	Main Board	30226094	30226092	1
13	Electric Box Cover Plate	01412725	01412725	1
14	Terminal Board Cover	222427221	222427221	1
15	Drainage Pump	43132701	43132701	1
16	Electronic Expansion Valve	07334191	07334191	1
17	Supporter	01792703	01792703	1

No.	Part Name	Code		Qty.
		GMV-R36Td/Na-K	GMVL-R36Td/Na-K	
1	Front Panel Assy (MT01)	/	/	1
2	Water Tray Assy	12412702	12412702	1
3	Water Lead Panel	24212708	24212708	1
4	Evaporator Assy	01024171	01024171	1
5	Left Side Plate Assy	01302729	01302729	1
6	Cross Flow Fan	10352701	10352701	1
7	Base Plate Assy	01222714	01222714	1
8	Right Side Plate Assy	01302746	01302746	1
9	Rear Case assy	22202702	22202702	1
10	Fan Motor	1570410401	1570410401	1
11	Electric Box Assy	01394455	02404614	1
12	Main Board	30226094	30226092	1
13	Electric Box Cover Plate	01412725	01412725	1
14	Terminal Board Cover	222427221	222427221	1
15	Drainage Pump	43132701	43132701	1
16	Electronic Expansion Valve	07334191	07334191	1
17	Supporter	01792703	01792703	1

5.3 Air Duct Type

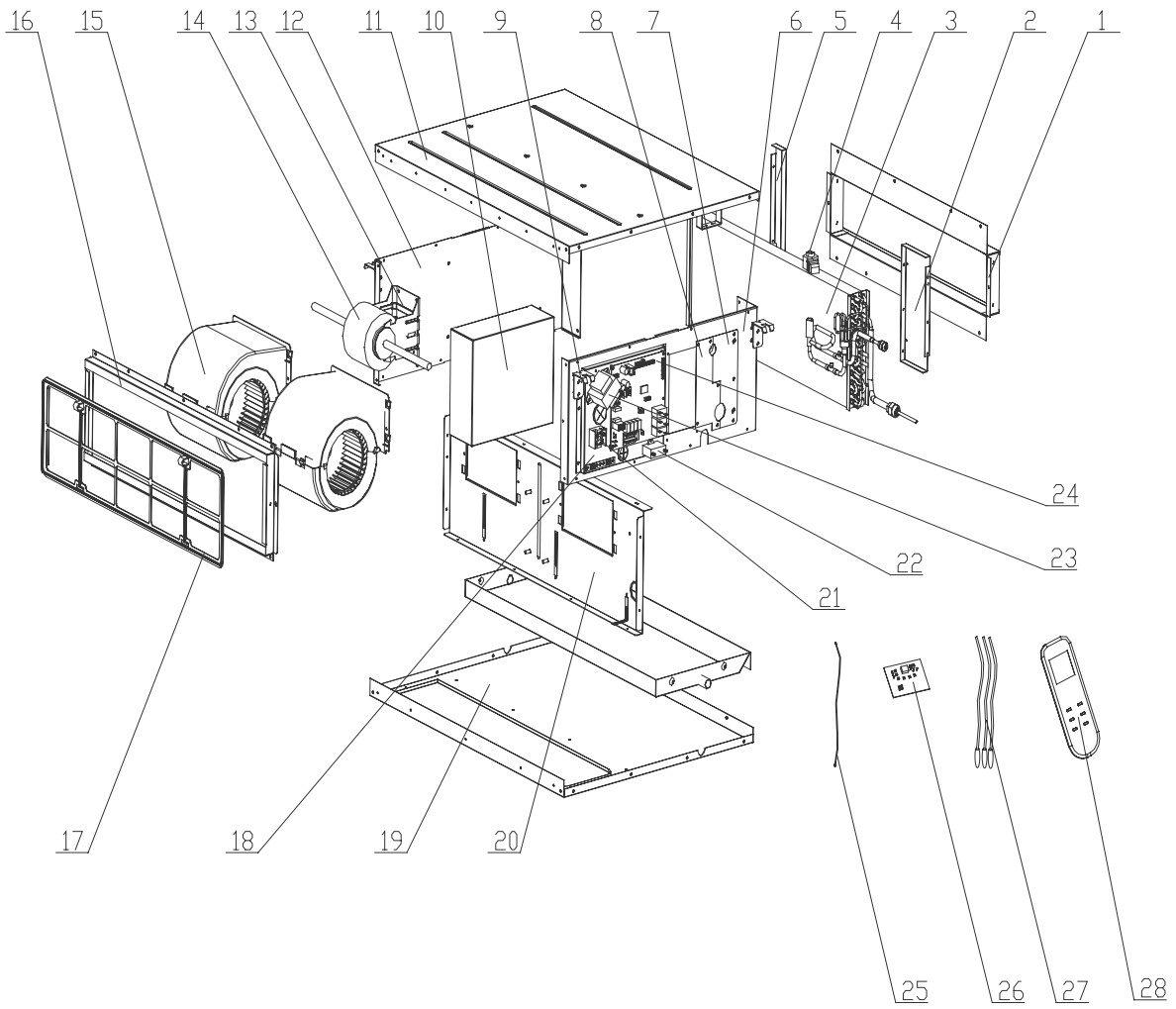
- Exploded View of GMV-R22P/NaB-K, GMV-R28P/NaB-K, GMV-R36P/NaB-K



● Parts List of GMV-R22P/NaB-K for CM800N0370,GMV-R28P/NaB-K for CM800N0390,GMV-R36P/NaB-K for CM800N0410,GMV-R36P/NaB-K for CM800N0430.

No.	Part Name	GMV-R22P/NaB-K	GMV-R28P/NaB-K	GMV-R36P/NaB-K	GMV-R45P/NaB-K	Qty.
		Part Code	Part Code	Part Code	Part Code	
1	Motor Sub-Assy	150024011	150024011	150024011	150024011	2
2	Filter Sub-Assy	11725202	11725202	11725202	11725202	1
3	Centrifugal fan	10319051	10319051	10319051	10319051	1
4	Front volute casing	22202030	22202030	22202030	22202030	1
5	Propeller Housing	22202029	22202029	22202029	22202029	1
6	Fan Motor	1570520103	1570520201	1570520201	1570520103	1
7	Right Side Plate Assy	01314175	01314175	01314175	01314175	1
8	Fan Motor Mounting Plate Sub-Assy	01324341	01324341	01324341	01324341	1
9	Water Tray Assy	01284153	01284153	01284153	01284153	1
10	Top Cover Board Assy	01264176	01264176	01264176	01264176	1
11	Evaporator Sub-Assy	01054124	01054123	01054123	01054123	1
12	Right Evaporator Support	01094121	01094121	01094121	01094121	1
13	Evaporator Assy	01024231	01024230	01024232	01024231	1
14	Air intake side-board Sub-assy	01494118	01494118	01494118	01494118	1
15	Electric expand valve fitting	43040001	43040001	43040001	43040001	1
16	Left Evaporator Support	01094122	01094122	01094122	01094122	1
17	Left Side Plate Assy	01314172	01314172	01314172	01314172	1
18	Seal Of Left Side Plate Sub-Assy	01494115	01494115	01494115	01494115	1
19	Seal Of Connection Pipe	01494132	01494132	01494132	01494132	1
20	Electric Box Assy	01394990	01394990	01394990	01394990	1
21	Electric Box Sub-Assy	01394978	01394978	01394978	01394978	1
22	Terminal Board	/	/	/	/	/
23	Terminal Board	42011106	42011106	42011106	42011106	1
24	Main Board	30226168	30226168	30226168	30226168	1
25	Capacitor	33010027	33010027	33010027	33010027	1
26	Transformer	43110237	43110237	43110237	43110237	1
27	Electric Box Cover	01424319	01424319	01424319	01424319	1
28	Lower Cover Plate Sub-Assy	01264178	01264178	01264178	01264178	1
29	Cover Of Air-In	01259056	01259056	01259056	01259056	1
30	Display Board	30296014	30296014	30296014	30296014	1
31	Connecting Wire	40010232	40010232	40010232	40010232	1
32	Remote Controller	305125063	305125063	305125063	305125063	1

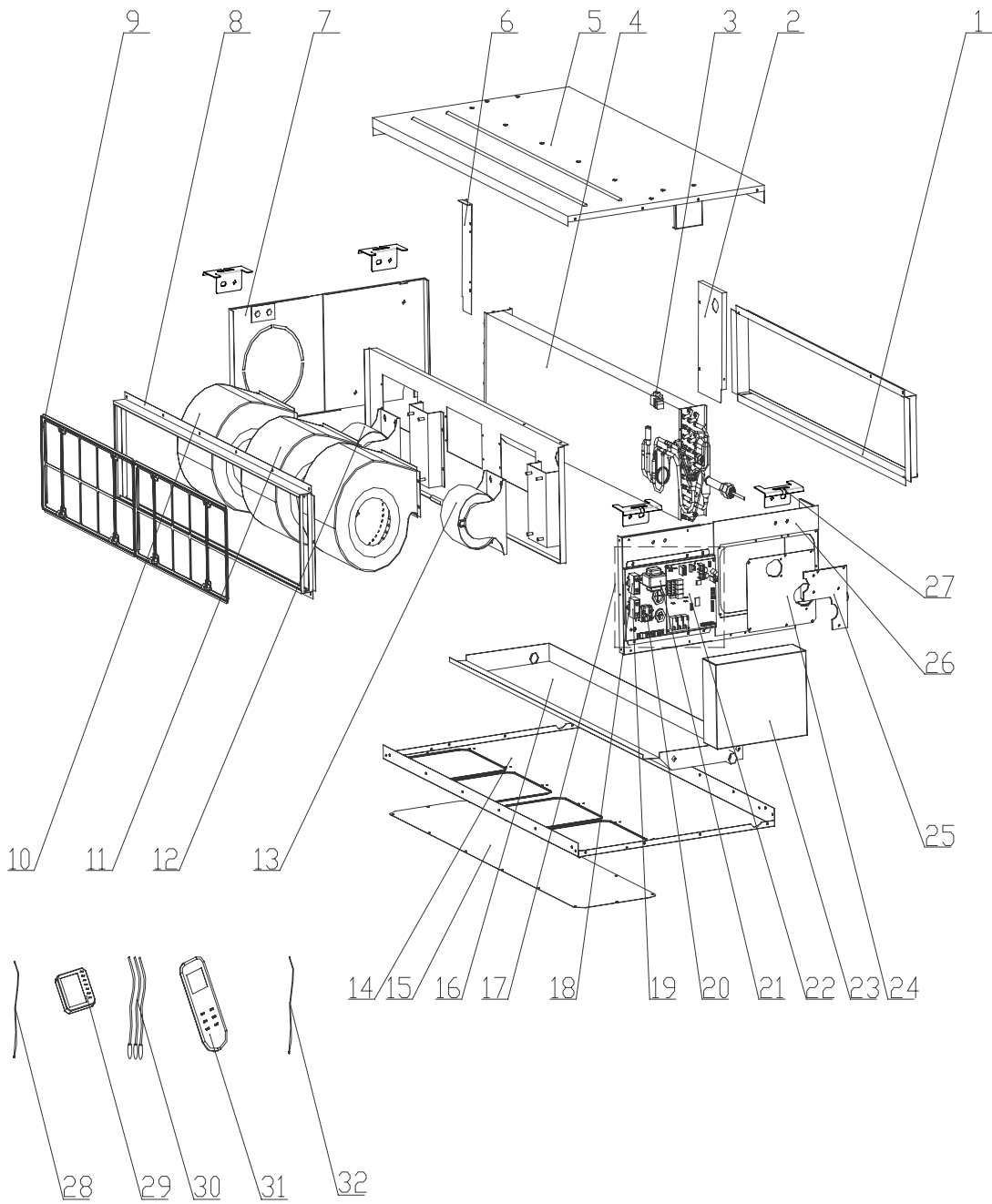
● Exploded View of GMV-R56P/NaB-K, GMV-R71P/NaB-K.



● Parts List of GMV-R56P/NaB-K for CM800N0480,GMV-R71P/NaB-K for CM800N0490.

No.	Part Name	GMV-R56P/NaB-K	GMV-R71P/NaB-K	Qty.
		Part Code	Part Code	
1	Side Plate of Air outlet	01499074	01499074	1
2	Left Support of Evaporator	01078603	01078603	1
3	Evaporator Assy	01024221	01024221	1
4	Electric expand valve fitting	43040001	43040001	1
5	Right Support of Evaporator	01078604	01078604	1
6	Left Side Plate assy	01315255	01315255	1
7	Seal of left Side Plate Sub-Assy	01308680	01308680	1
8	Seal of left Connection Pipe	01498610	01498610	1
9	Hook	02112466	02112466	4
10	Electric Box Cover	01425249	01425249	1
11	Top Cover Board Assy	01258652	01258652	1
12	Right Side Plate Assy	01308677	01308677	1
13	Motor Support	01708501	01708501	1
14	Fan Motor	1570521101	1570521101	1
15	Motor Sub	15018603	15018603	1
16	Side Plate of Air outlet	01498612	01498612	1
17	Filter	11129066	11129066	1
18	Electric box	01424190	01424190	1
19	Lower Cover Plate Sub-assy	01258612	01258612	1
20	Fan Motor Mounting Plate Sub-Assy	01338631	01338631	1
21	Terminal Board	42011106	42011106	1
22	Capacitor	33010014	33010014	1
23	Transformer	43110239	43110239	1
24	Main Board	30226168	30226168	1
25	Connecting Wire	40010232	40010232	1
26	Display Board	30296014	30296014	1
27	Sensor sub-assy	39004167G	39004167G	1
28	Remote Controller	305125063	305125063	1

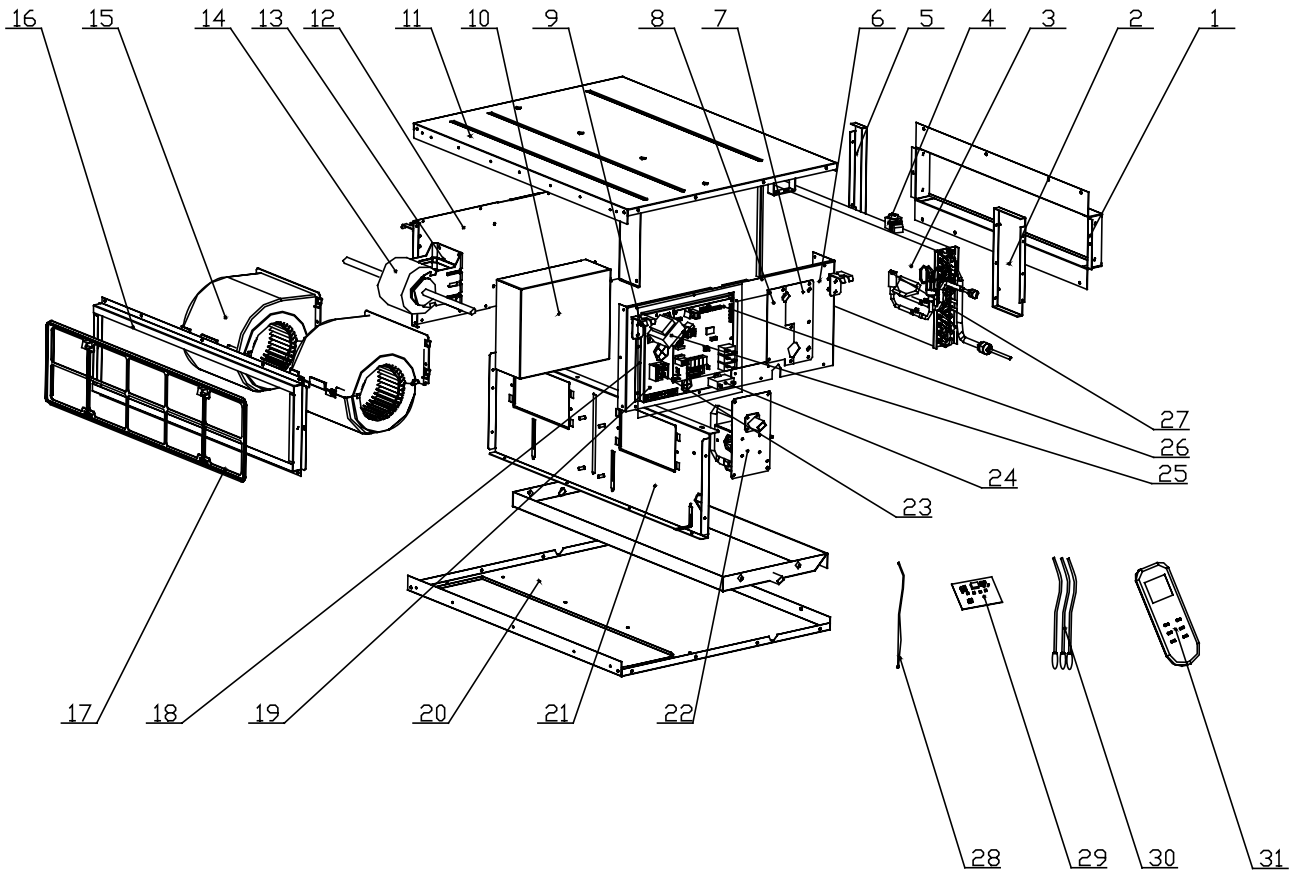
● Exploded View of GMV-R90P/NaB-K, GMV-R112P/NaB-K, GMV-R140P/NaB-K.



- Parts List of GMV-R90P/NaB-K for CM800N0500, GMV-R112P/NaB-K for CM800N0510, GMV-R140P/NaB-K for CM800N0520.

NO.	Name	GMV-R90P/NaB-K	GMV-R112P/NaB-K	GMV-R140P/NaB-K	Qty
		Code	Code	Code	
1	Air Outlet Side Board Assy	01498608	01498608	01498608	1
2	Left Support of Evaporator Sub-Assy	01805279	01805279	01805279	1
3	Electric expand valve fitting	43040001	43040001	43040001	1
4	Evaporator Assy	01024222	01024222	01024218	1
5	Top Cover Board Assy	01258607	01258607	01258607	1
6	Right Support of Evaporator	01078604	01078604	01078604	1
7	Right Side Plate Assy	01308679	01308679	01308679	1
8	Air intake side-board Sub-assy	01499066	01499066	01499066	1
9	Filter Sub-Assy	11129062	11129062	11129062	1
10	Motor	15018603	15018603	15018603	2
11	Motor	15018604	15018604	15018604	1
12	Fan Motor	1570521101	1570521101	1570521001	1
13	Fan Motor	1570521201	1570521201	1570520901	1
14	Bottom Cover Plate Assy	01258603	01258603	01258603	1
15	Cover of Air-in	01258602	01258602	01258602	1
16	Water Tray Assy	01278603	01278603	01278603	1
17	Electric Box Assy	01394957	01394957	01394896	1
18	Capacitor CBB61	33010064	33010064	33010064	1
19	Capacitor CBB61	33010014	33010014	33010056	1
20	Terminal Board	42011106	42011106	42011106	1
21	Transformer	43110239	43110239	43110239	1
22	Main Board	30226168	30226168	30226168	1
23	Electric Box Coveer	01425249	01425249	01425249	1
24	Seal of Left Side Plate Sub-Assy	01308672	01308672	01308672	1
25	Seal of Connection Pipe	01498601	01498601	01498601	1
26	Left Side Plate Assy	01315255	01315255	01315255	1
27	Hook	02118504	02118504	02118504	4
28	Connecting Wire	40010232	40010232	40010232	1
29	Display Board	30296014	30296014	30296014	1
30	Sensor Sub-Assy	39004167G	39004167G	39004167G	1
31	Remote Controller	305125063	305125063	305125063	1
32	Connecting Wire	4001039509	4001039509	4001039509	1

- Exploded View of GMV-R22PS/NaB-K, GMV-R28PS/NaB-K, GMV-R36PS/NaB-K, GMV-R45PS/NaB-K.

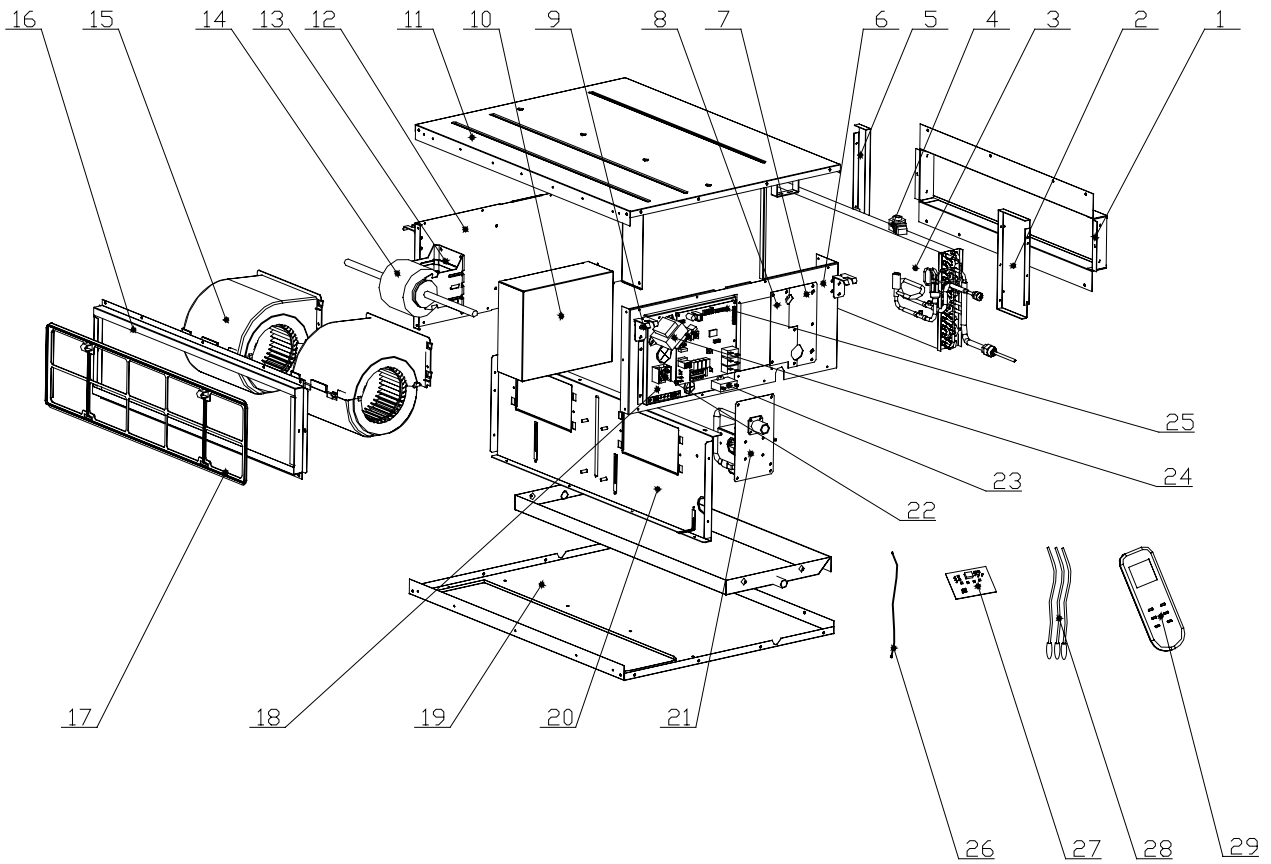


- Parts List of GMV-R22PS/NaB-K for CM800N2000, GMV-R28PS/NaB-K for CM800N2010, GMV-R36PS/NaB-K for CM800N2020, GMV-R45PS/NaB-K for CM800N2060 .

NO.	Name	GMV-R22PS/NaB-K	GMV-R28PS/NaB-K	Qty
1	Air intake side-board Sub-assy	01494118	01494118	1
2	Left Support of Evaporator	01094122	01094122	1
3	Evaporator Assy	01024231	01024230	1
4	Electric expand valve fitting	43040001	43040001	1
5	Right Support of Evaporator	01094121	01094121	1
6	Left Side Plate Assy	01314172	01314172	1
7	Seal Of Left Side Plate Sub-Assy	01494115	01494115	1
8	Seal Of Left Connection Pipe Sub-Assy	01494116	01494116	1
9	Hook	02112446	02112446	4
10	Electric Box Cover	01424319	01424319	1
11	Top Cover Board Assy	01264176	01264176	1
12	Right Side Plate Assy	01314175	01314175	1
13	Motor Support	0170905901	0170905901	1
14	Fan Motor	1570520103	1570520201	1
15	Motor Sub-Assy	150024011	150024011	2
16	Border Plate Assy of Air Return End	02225234	02225234	1
17	Filter	11725202	11725202	1
18	Electric Box Assy	01394977	01394977	1
19	Electric Box Sub-Assy	01394978	01394978	1
20	Lower Cover Plate Sub-Assy	01264178	01264178	1
21	Fan Motor Mounting Plate Sub-Assy	01324341	01324341	1
22	Water Pump Assy	15404117	15404117	1
23	Terminal Board	42011106	42011106	1
24	Capacitor	33010027	33010027	1
25	Transformer	43110237	43110237	1
26	Main Board	30226222	30226222	1
27	Electronic Expansion Valve	07334281	07334281	1
28	Connecting Wire	4001039509	4001039509	1
29	Display Board	30296014	30296014	1
30	Sensor sub-assy	39008026G	39008026G	1
31	Remote Controller	305125063	305125063	1

NO.	Name	GMV-R36PS/NaB-K	GMV-R45PS/NaB-K	Qty
1	Air intake side-board Sub-assy	01494118	01494118	1
2	Left Support of Evaporator	01094122	01094122	1
3	Evaporator Assy	01024232	01024211	1
4	Electric expand valve fitting	43040001	43040001	1
5	Right Support of Evaporator	01094121	01094121	1
6	Left Side Plate Assy	01314172	01314172	1
7	Seal Of Left Side Plate Sub-Assy	01494115	01494115	1
8	Seal Of Left Connection Pipe Sub-Assy	01494116	01494116	1
9	Hook	02112446	02112446	4
10	Electric Box Cover	01424319	01424319	1
11	Top Cover Board Assy	01264176	01264176	1
12	Right Side Plate Assy	01314175	01314175	1
13	Motor Support	0170905901	0170905901	1
14	Fan Motor	1570520201	1501832202	1
15	Motor Sub-Assy	150024011	150024011	2
16	Border Plate Assy of Air Return End	02225234	02225234	1
17	Filter	11725202	11725202	1
18	Electric Box Assy	01394977	01394977	1
19	Electric Box Sub-Assy	01394978	01394978	1
20	Lower Cover Plate Sub-Assy	01264178	01264178	1
21	Fan Motor Mounting Plate Sub-Assy	01324341	01324341	1
22	Water Pump Assy	15404117	15404117	1
23	Terminal Board	42011106	42011106	1
24	Capacitor	33010027	33010027	1
25	Transformer	43110237	43110237	1
26	Main Board	30226222	30226222	1
27	Electronic Expansion Valve	07334281	07334281	1
28	Connecting Wire	4001039509	4001039509	1
29	Display Board	30296014	30296014	1
30	Sensor sub-assy	39008026G	39008026G	1
31	Remote Controller	305125063	305125063	1

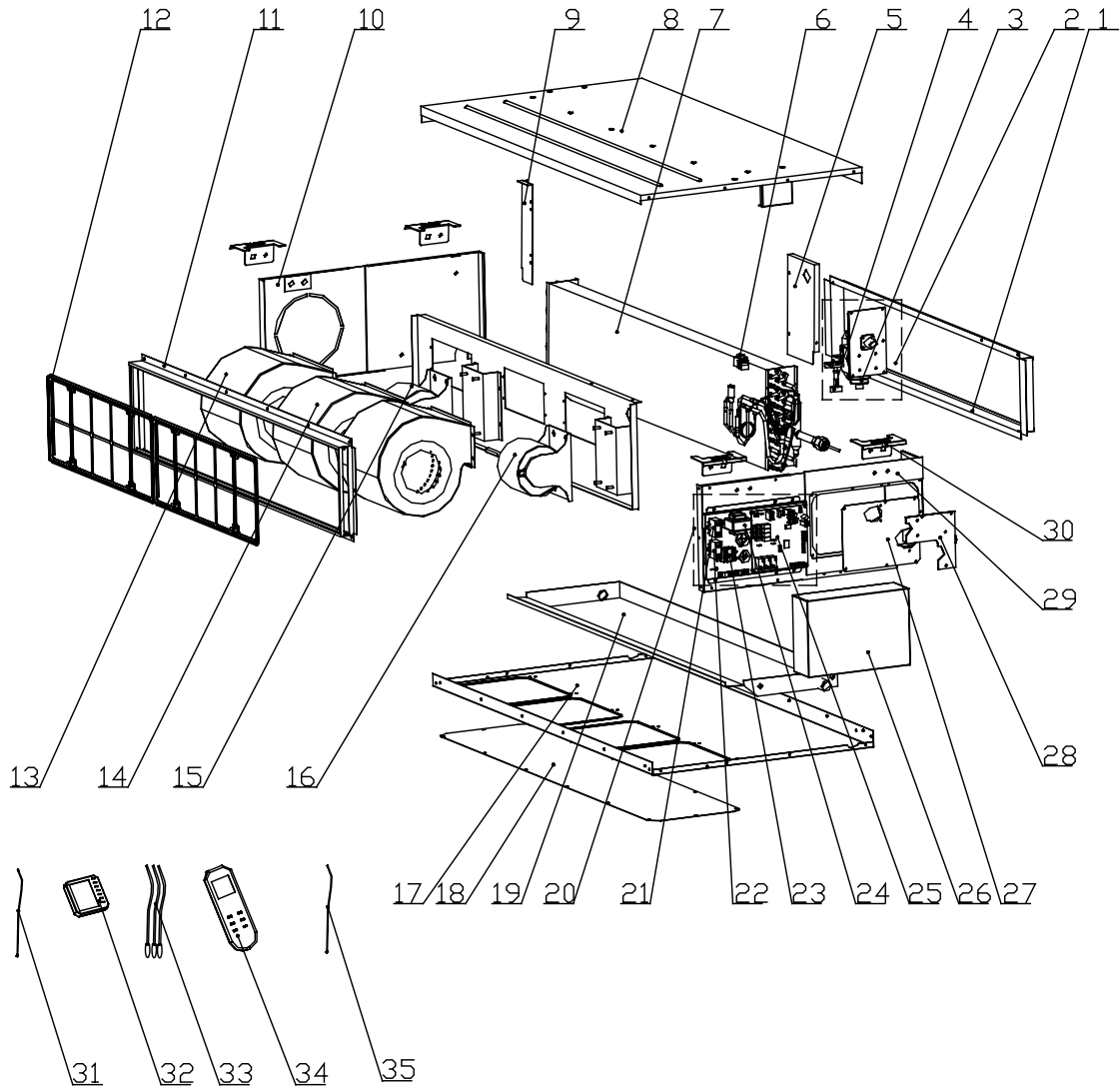
● Exploded View of GMV-R56PS/NaB-K, GMV-R71PS/NaB-K.



● Parts List of GMV-R56PS/NaB-K for CM800N2070, GMV-R71PS/NaB-K for CM800N2080 .

NO.	Name	GMV-R56PS/NaB-K	GMV-R71PS/NaB-K	Qty
1	Side Plate of Air outlet	01498612	01498612	1
2	Left Support of Evaporator	01078603	01078603	1
3	Evaporator Assy	01024234	01024234	1
4	Electric expand valve fitting	43040001	43040001	1
5	Right Support of Evaporator	01078604	01078604	1
6	Left Side Plate Assy	01314225	01314225	1
7	Seal Of Left Side Plate Sub-Assy	01494131	01494131	1
8	Seal Of Left Side Plate	01494129	01494129	1
9	Hook	02112466	02112466	4
10	Electric Box Cover	01425249	01425249	1
11	Top Cover Board Assy	01258651	01258651	1
12	Right Side Plate Assy	01308679	01308679	1
13	Motor Support	01708501	01708501	1
14	Fan Motor	1570521101	1570521101	1
15	Motor Sub-Assy	15018603/15018604	15018603/15018604	1
16	Air intake side-board Sub-assy	01499074	01499074	1
17	Filter 1	11129066	11129066	1
18	Electric Box Assy	01394987	01394987	1
19	Lower Cover Plate Assy	01258612	01258612	1
20	Fan Motor Mounting Plate Sub-Assy	01324350	01324350	1
21	Water Pump Assy	15404119	15404119	1
22	Terminal Board	42011106	42011106	1
23	Capacitor	33010014	33010014	1
24	Transformer	43110239	43110239	1
25	Main Board	30226222	30226222	1
26	Connecting Wire	40010232	40010232	1
27	Display Board	30296014	30296014	1
28	Sensor sub-assy	39004167G	39004167G	1
29	Remote Controller	305125063	305125063	1

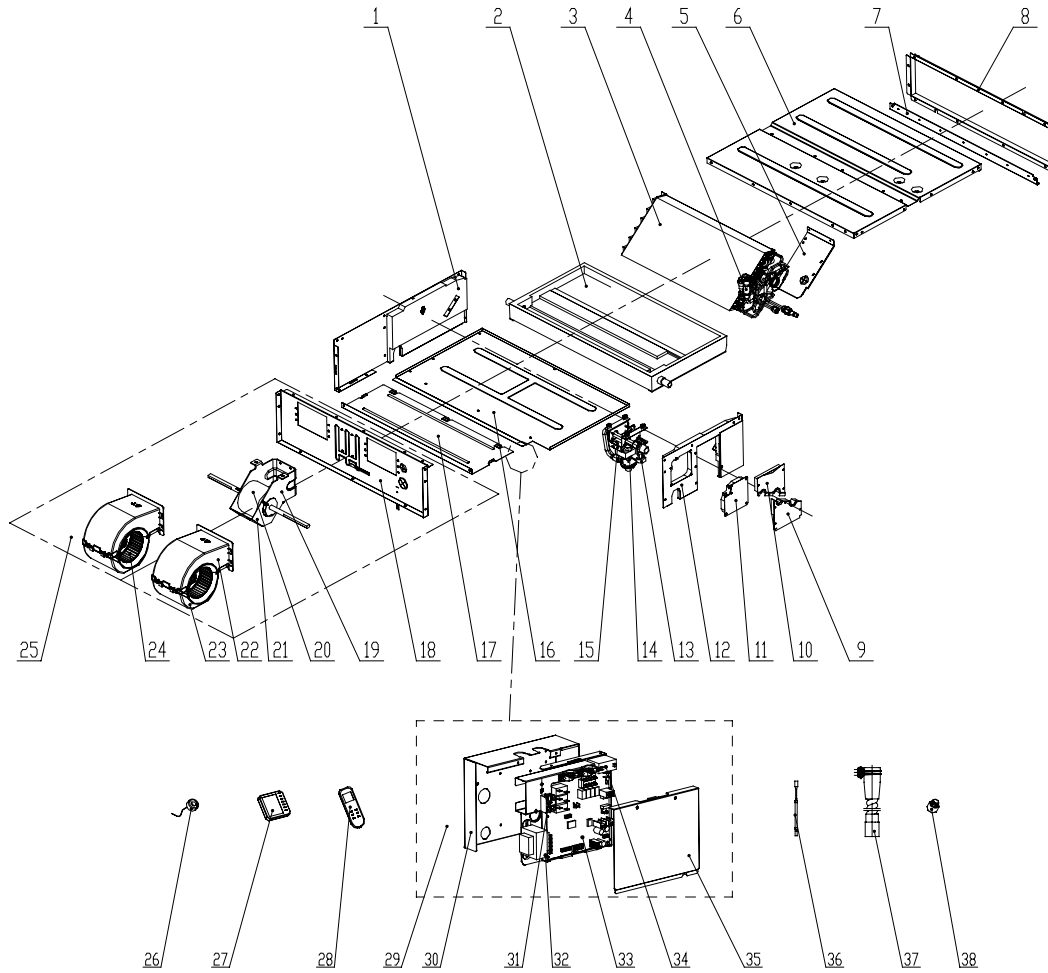
● Exploded View of GMV-R90PS/NaB-K, GMV-R112PS/NaB-K,GMV-R140PS/NaB-K.



- Parts List of GMV-R90PS/NaB-K for CM800N2090, GMV-R112PS/NaB-K for CM800N2100,GMV-R140PS/NaB-K for CM800N2110.

NO.	Name	GMV-R90PS/NaB-K	GMV-R112PS/NaB-K	GMV-R140PS/NaB-K	Qty
1	Side Plate of Air outlet Assy	01498608	01498608	01498608	1
2	Water Pump Assy	15404119	15404119	15404118	1
3	Water Pump	43138220	43138220	43138220	1
4	Water Level Switch	45018012	45018012	450102012	1
5	Left Support of Evaporator	01805279	01805279	01804703	1
6	Electric expand valve fitting	43040001	43040001	43040001	1
7	Evaporator Assy	01024233	01024233	01024218	1
8	Top Cover Board Assy	01258607	01258607	01264625	1
9	Right Support of Evaporator	01078604	01078604	01805221	1
10	Right Side Plate Assy	01308679	01308679	01308679	1
11	Air intake side-board Sub-assy	01375221	01375221	01375221	1
12	Filter	11725205	11725205	11725205	2
13	Motor	15018603	15018603	15018603	2
14	Motor	15018604	15018604	15018604	1
15	Fan Motor	1570521101	1570521101	1570520901	1
16	Fan Motor	1570521201	1570521201	1570521001	1
17	Lower Cover Plate Assy	01258603	01258603	0125860301	1
18	Cover Of Air-In	01258602	01258602	01258602	1
19	Water Tray Assy	01284160	01284160	01284157	1
20	Electric Box Assy	01394986	01394986	01394985	1
21	Capacitor	33010014	33010014	33010056	1
22	Capacitor	33010064	33010064	33010064	1
23	Terminal Board	42011106	42011106	42011106	1
24	Transformer	43110239	43110239	43110239	1
25	Main Board	30226222	30226222	30226222	1
26	Electric Box Cover	01425249	01425249	01425249	1
27	Seal Of Left Side Plate Sub-Assy	01494124	01494124	01494121	1
28	Seal Of Left Side Plate	01494123	01494123	01494120	1
29	Left Side Plate Assy	01314225	01314225	01314222	1
30	Hook	02118504	02118504	02118504	1
31	Connecting Wire	40010232	40010232	40010232	1
32	Display Board	30296014	30296014	30296014	1
33	Sensor sub-assy	39004167G	39004167G	39004167G	1
34	Remote Controller	305125063	305125063	305125063	1
35	Connecting Wire	4001039509	4001039509	4001039509	1

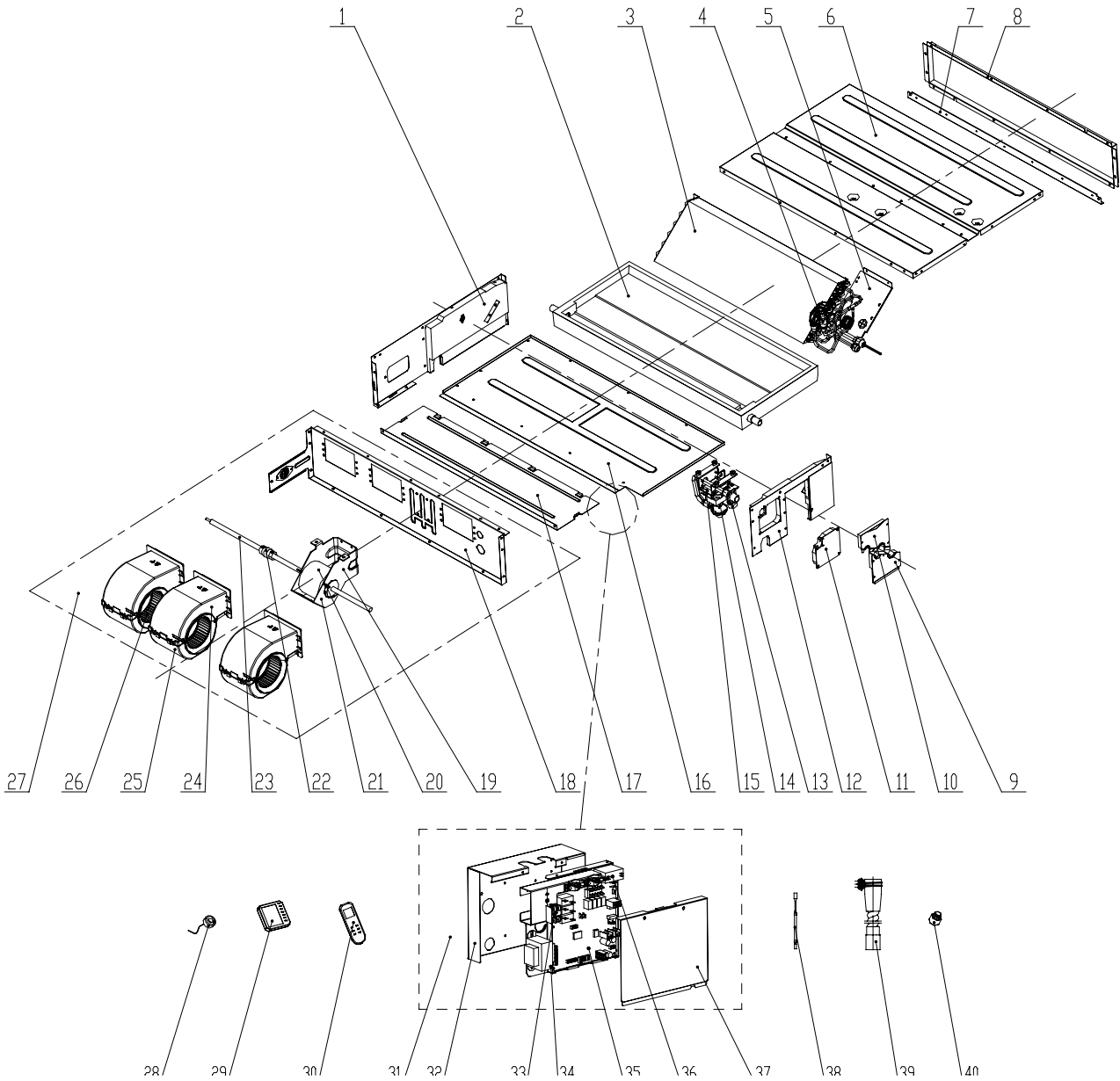
● Exploded View of GMV-R22PS/NaE-K,GMV-R28PS/NaE-K,GMV-R36PS/NaE-K.



● Parts List of GMV-R22PS/NaE-K for CM800N3010 ,GMV-R28PS/NaE-K for CM800N3020 ,GMV-R36PS/NaE-K for CM800N3030.

No.	Name	GMV-R22PS/NaE-K	GMV-R28PS/NaE-K	GMV-R36PS/NaE-K	Qty
1	Right Side Plate Assy	01315335	01315335	01315335	1
2	Water Tray Assy	01285332	01285332	01285332	1
3	Evaporator Assy	01024261	01024261	01024262	1
4	Electronic Expansion Valve	07334281	07334281	07334281	1
5	Seal of Evaporator Assy	01494140	01494140	01494140	1
6	Top Cover Assy	01265325	01265325	01265325	1
7	Cover of Air Outlet	01265298	01265298	01265298	1
8	Air Outlet Frame Assy	01865216	01865216	01865216	1
9	Lower Sealing Plate Component of the Exit Tube	01494137	01494137	01494137	1
10	Upper Sealing Plate Component of the Exit Tube	01494135	01494135	01494135	1
11	Seal of Water outlet Sub-Assy	01495315	01495315	01495315	1
12	Left Side Plate Assy	01314238	01314238	01314238	1
13	Water Level Switch	45018012	45018012	45018012	1
14	Water Pump	43130324	43130324	43130324	1
15	Water Pump Assy	15405241	15405241	15405241	1
16	Bottom Cover	01265299	01265299	01265299	1
17	Cover Of Fan Motor	01265300	01265300	01265300	1
18	Fan Motor Mounting Plate Sub-Assy	01325277	01325277	01325277	1
19	Supporter	01805288	01805288	01805288	1
20	Fan Motor	1570520102	1570520102	1570520102	1
21	Bar Clasp	70815201	70815201	70815201	1
22	Front Volute Casing	26905205	26905205	26905205	2
23	Rear Volute Casing	26905206	26905206	26905206	2
24	Centrifugal Fan	10425200	10425200	10425200	2
25	Fan Mounting Plate Assy	01325312	01325312	01325312	1
26	Magnet Coil for Electronic Expansion Vale	43040001	43040001	43040001	1
27	Display Board	30296020	30296014	30296014	1
28	Remote Controller	305125063	305125063	305125063	1
29	Electric Box Assy	01395086	01395148	01395092	1
30	Electric Box Sub-Assy	01395541	01395541	01395541	1
31	Terminal Board	42011154	42011154	42011154	1
32	Transformer	43110237	43110237	43110237	1
33	Main Board	30226222	30226221	30226222	1
34	Capacitor	33010020	33010020	33010020	1
35	Electric Box Cover	01425257	01425257	01425257	1
36	Sensor sub-assy	39004166G	39004166G	39004166G	1
37	Drain Hose Sub-Assy	05232050	05232050	05232050	1
38	Choke Plug of Drain Pipe	76815214	76815214	76815214	2

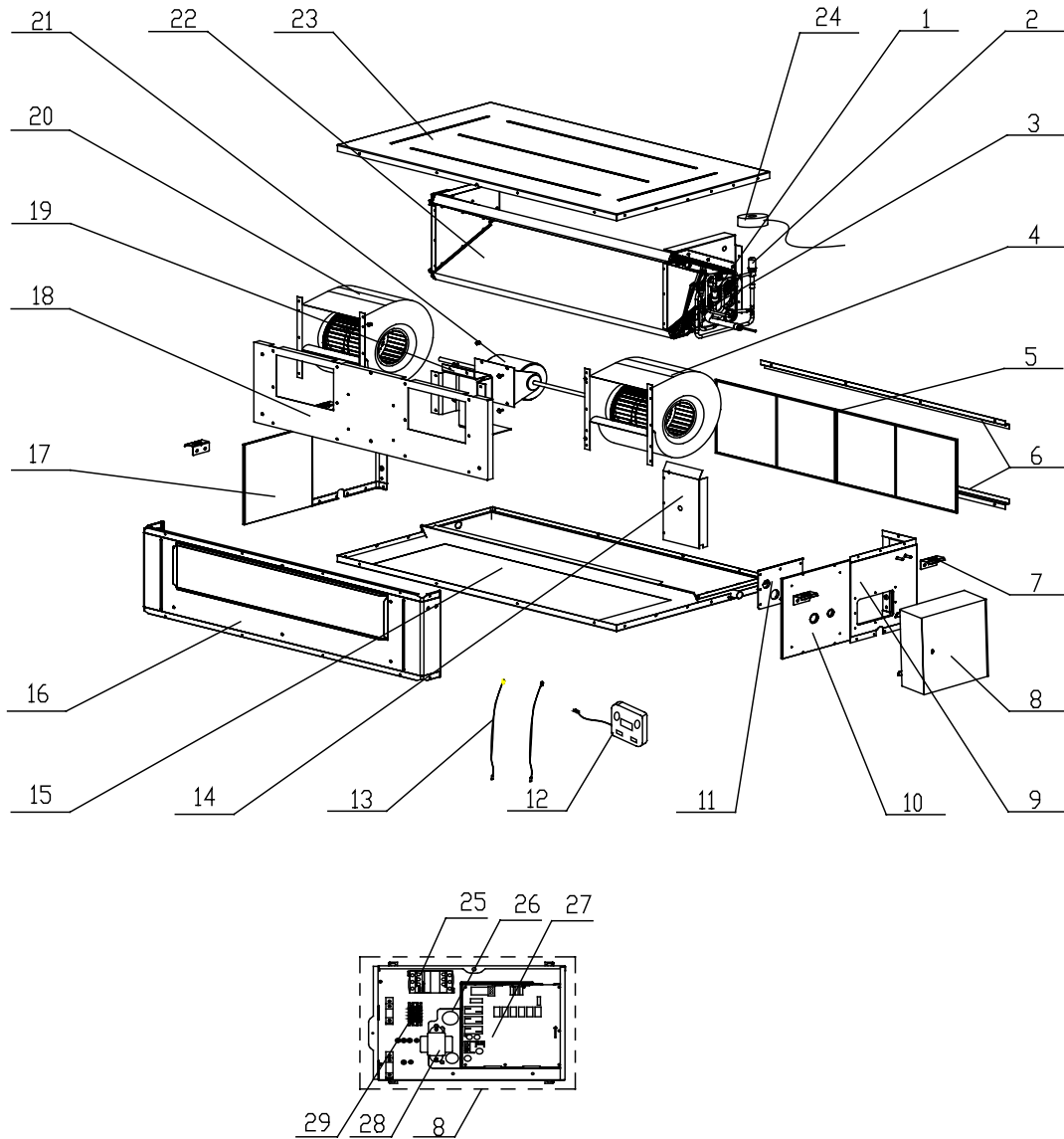
● Exploded View of GMV-R45PS/NaE-K,GMV-R56PS/NaE-K,GMV-R71PS/NaE-K.



- Parts List of GMV-R45PS/NaE-K for CM800N3040, GMV-R56PS/NaE-K for CM800N3050, GMV-R71PS/NaE-K for CM800N3000.

No.	Name	GMV-R45PS/NaE-K	GMV-R56PS/NaE-K	GMV-R71PS/NaE-K	Qty
1	Right Side Plate Assy	01305263	01305263	01305263	1
2	Water Tray Assy	01285333	01285333	01285333	1
3	Evaporator Assy	01024303	01024263	01024264	1
4	Electronic Expansion Valve	07334283	07334283	07334283	1
5	Seal of Evaporator Assy	01494138	01494138	01494138	1
6	Top Cover Assy	01265328	01265328	01265328	1
7	Cover of Air Outlet	01265331	01265331	01265331	1
8	Air Outlet Frame Assy	01865217	01865217	01865217	1
9	Lower Sealing Plate Component of the Exit Tube	12204380	12204380	12204380	1
10	Upper Sealing Plate Component of the Exit Tube	01494135	01494135	01494135	1
11	Seal of Water outlet Sub-Assy	01495315	01495315	01495315	1
12	Left Side Plate Assy	01314238	01314238	01314238	1
13	Water Level Switch	45018012	45018012	45018012	1
14	Water Pump	43130324	43130324	43130324	1
15	Water Pump Assy	15405241	15405241	15405241	1
16	Bottom Cover	01265332	01265332	01265332	1
17	Cover Of Fan Motor	01265333	01265333	01265333	1
18	Fan Mounting Plate Sub-Assy	01325315	01325315	01325315	1
19	Supporter	01805288	01805288	01805288	1
20	Fan Motor	15705218	15705218	15705218	1
21	Bar Clasp	70818405	70818405	70818405	1
22	Joint Slack	73018731	73018731	73018731	1
23	Rotary Axis Sub-Assy	73018020	73018020	73018020	1
24	Front Volute Casing	26905205	26905205	26905205	3
25	Rear Volute Casing	26905206	26905206	26905206	3
26	Centrifugal Fan	10425200	10425200	10425200	3
27	Fan Mounting Plate Assy	01325314	01325314	30296014	1
28	Magnet Coil for Electronic Expansion Vale	43040001	43040001	43040001	1
29	Display Board	30296014	30296014	30296014	1
30	Remote Controller	305125063	305125063	305125063	1
31	Electric Box Assy	01395092	01395092	01395092	1
32	Electric Box Sub-Assy	01395541	01395541	01395541	1
33	Terminal Board	42011154	42011154	42011154	1
34	Transformer	43110237	43110237	43110237	1
35	Main Board	30226222	30226222	30226222	1
36	Capacitor	33010027	33010027	33010027	1
37	Electric Box Cover	01425257	01425257	01425257	1
38	Sensor sub-assy	39004166	39004166	39004166	1
39	Drain Hose Sub-Assy	05232050	05232050	05232050	1
40	Choke Plug of Drain Pipe	76815214	76815214	76815214	2

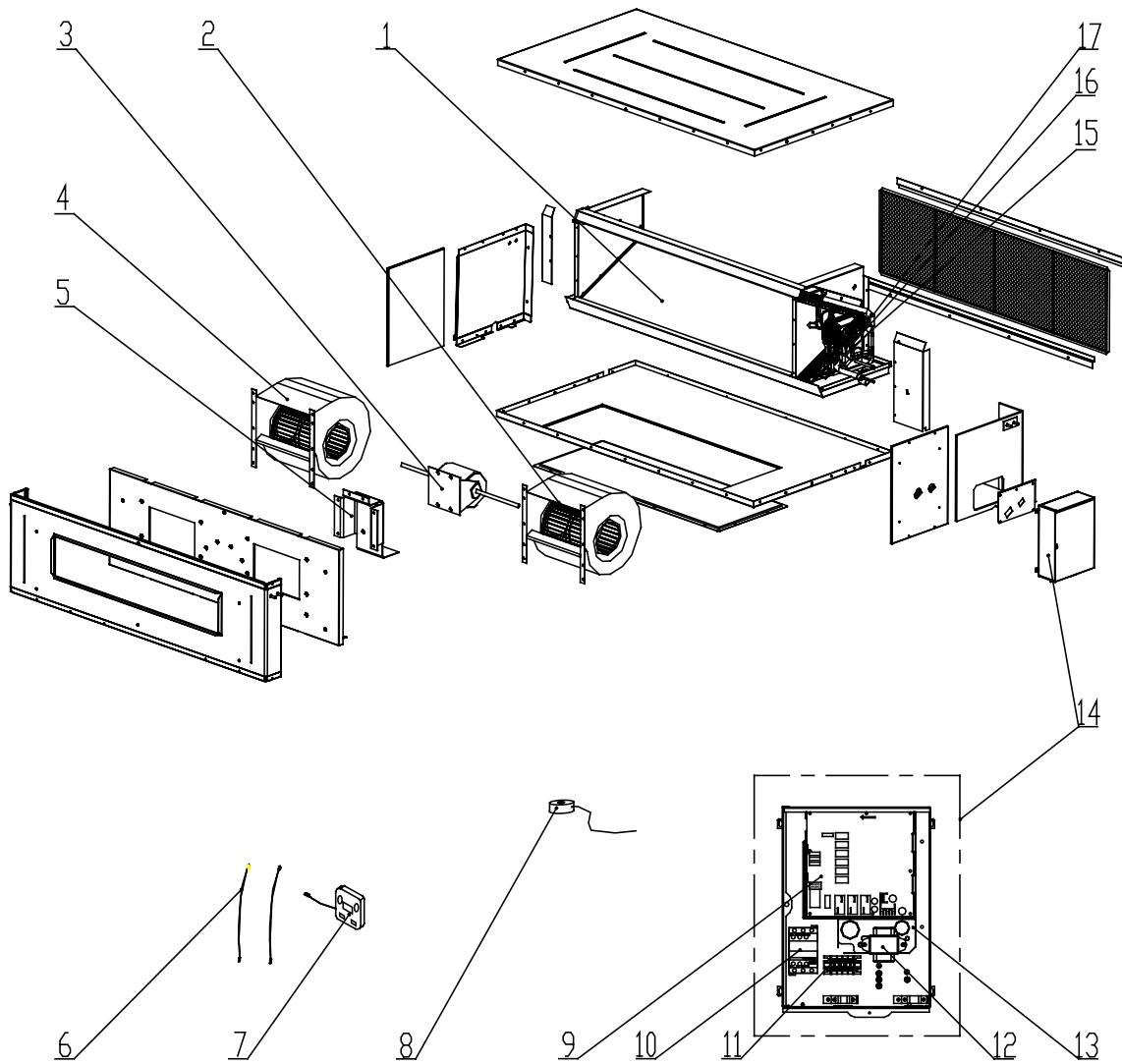
● Exploded View of GMV-R224P/NaB-M.



● Parts List of GMV-R224P/NaB-M for CM800N2200 .

No.	Name	GMV-R224P/NaB-M	Qty
1	Bidirection Strainer	07220016	1
2	Electronic Expansion Valve	07130364	1
3	One way Valve	04324001	1
4	Motor	15705307	1
5	Filter Sub-Assy	11725211	2
6	Filter Screen Slot	02285220	2
7	Hook	02112466	4
8	Electric Box Assy	02404114	1
9	Right Side Plate Assy	01314321	1
10	Right Side Plate Sub-Assy	01315378	1
11	Baffle Assembly for Refrigerant Pipe	01494143	1
12	Display Board	30296014	1
13	Sensor sub-assy	39004165	1
14	Cover seal	01345218	1
15	Lower Cover Board Assy	01265357	1
16	Front Side Plate Sub-Assy	01315374	1
17	Left Side Plate Sub-Assy	01315377	1
18	Fan Mounting Plate Assy	01325325	1
19	Motor Support Sub-assy	01805381	1
20	Motor	15705306	1
21	Fan Motor	15705229	1
22	Evaporator Assy	01024265	1
23	Top Cover Board Assy	01265359	1
24	Electric Expand Valve Fitting	4300010814	1
25	AC Contactor	44010232	1
26	Electrical Retaining Plate	01845221	1
27	Main Board	30226222	1
28	Transformer	43110237	1
29	Terminal Board	420100071	1

● Exploded View of GMV-R280P/NaB-M.

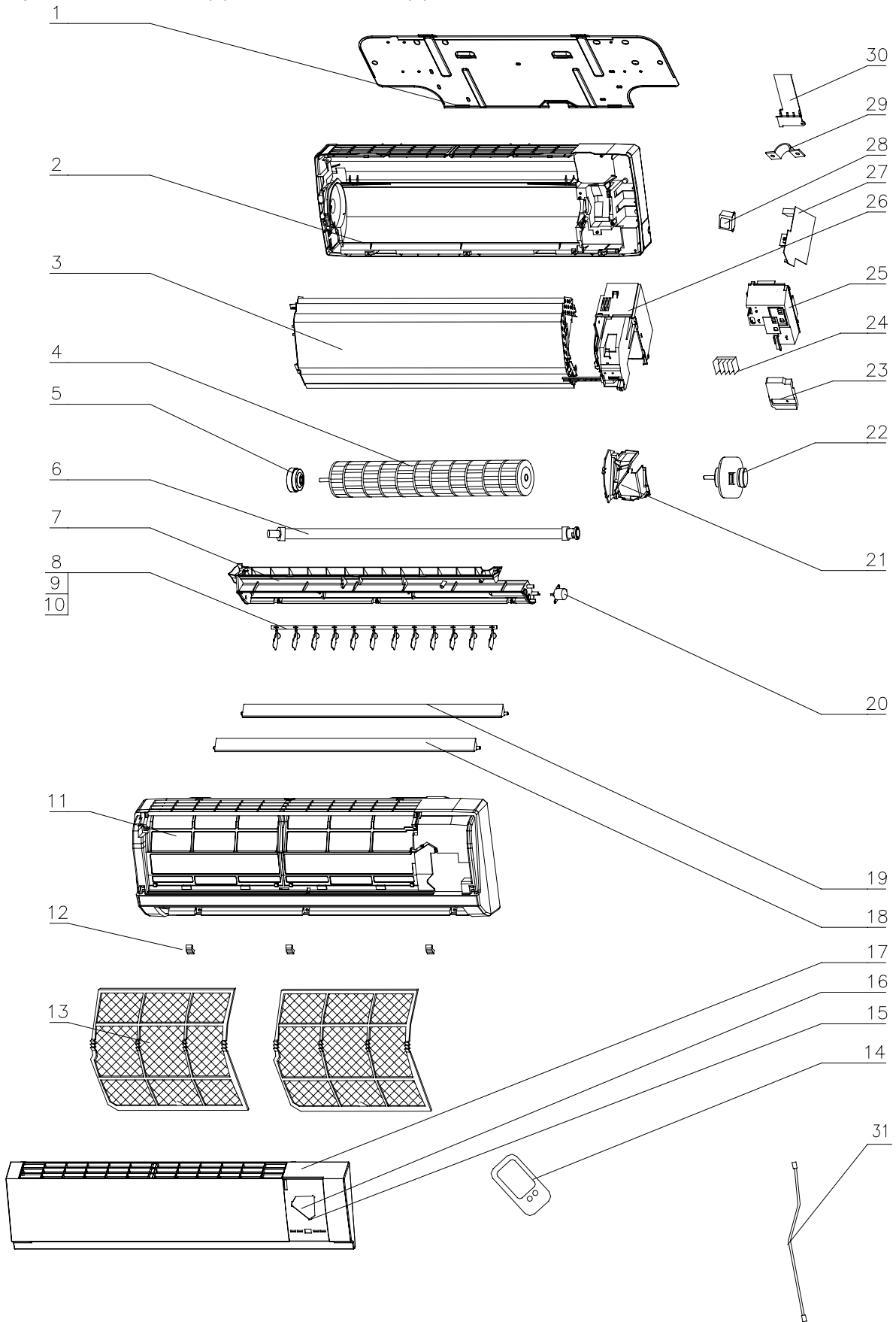


● Parts List of GMV-R280P/NaB-M for CM800N2220.

No.	Name	GMV-R280P/NaB-M	Qty
1	Evaporator Assy	01024282	1
2	Fan	15704118	1
3	Fan Motor	15705229	1
4	Fan	1570411801	1
5	Motor Support Sub-Assy	01804715	1
6	Sensor Sub-assy	39008074	1
7	Display Board	30296014	1
8	Electric expand valve fitting	4304413203	1
9	Main Board	30226222	1
10	AC Contactor	44010232	1
11	Terminal Board	420100071	1
12	Transformer	43110237	1
13	Electrical Retaining Plate	01845221	1
14	Electric Box Assy	02404114	1
15	Hook	02112466	4
16	Choke Plug of Water Pipe	76712454	1
17	One way Valve	04324001	1
18	Filter	07212001	1
19	Electronic Expansion Valve	07331139	1

5.4 Wall Mounted Type

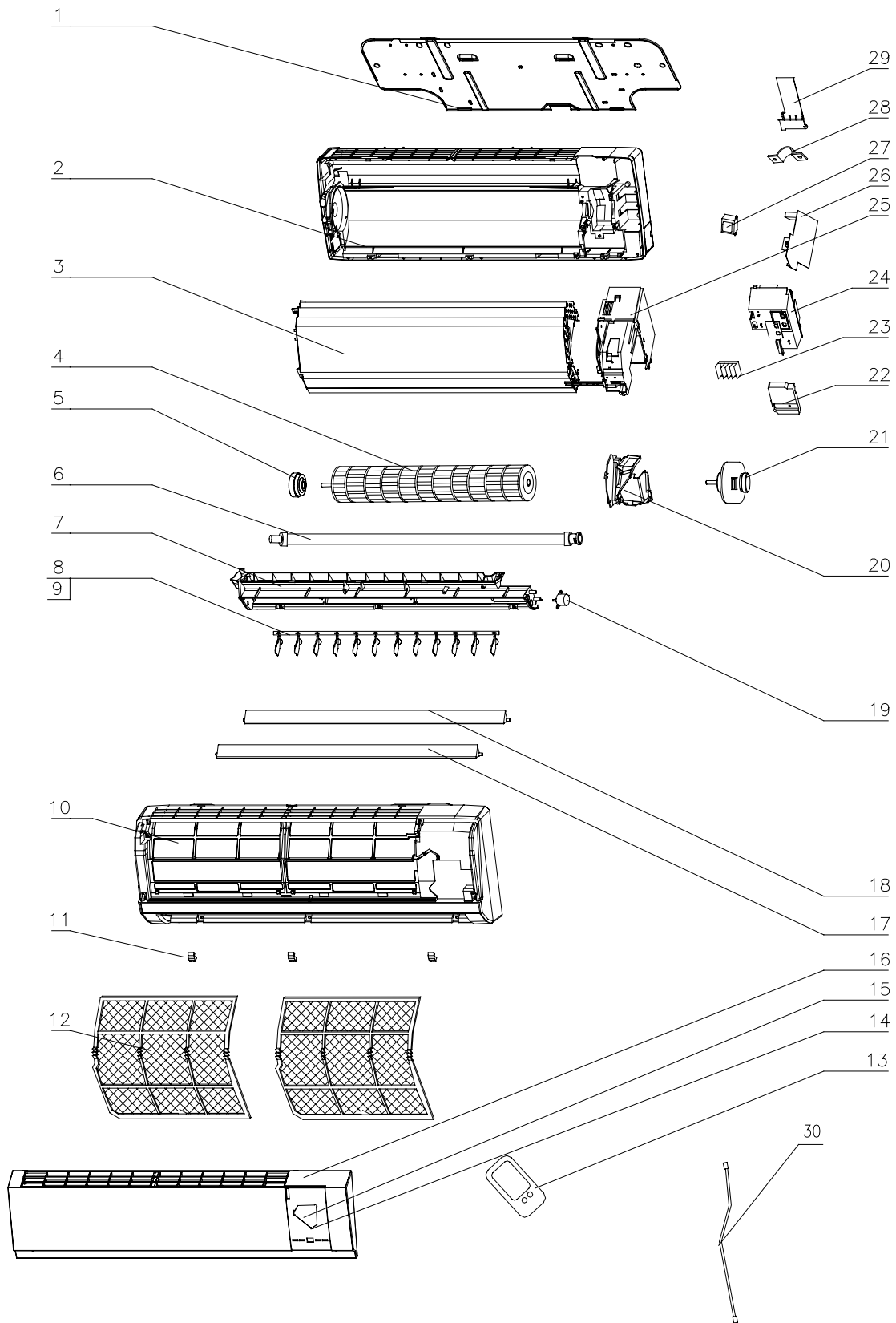
Exploded View of GMV(L)-R22G/NaB-K, GMV(L)-R28G/NaB-K.



● Parts List of GMV-R22G/NaB-K for EM100N0070,GMV-R28G/NaB-K for EM100N0090.

No.	Model	GMV-R22G/NaB-K	GMV-R28G/NaB-K	Qty.
	Part Name	Part Code	Part Code	
1	Wall-Mounting Frame	01252220	01252220	1
2	Rear Case	222020012	222020012	1
3	Evaporator Assy	0100462801	0100462801	1
4	Cross Flow Fan	10352001	10352001	1
5	Ring of Bearing	/	/	1
6	Drainage hose	0523001407	0523001407	1
7	Water Tray	20182027	20182027	1
8	Swing Louver	10512032	10512032	1
9	Swing Linkage 1	10582002	10582002	1
10	Swing Linkage 2	10582003	10582003	1
11	Front Case	20002215	20002215	1
12	Screw Cover	24252006	24252006	3
13	Filter	11122002	11122002	2
14	Remote Control	305125063	305125063	1
15	Decorate Piece	68012019	68012019	1
16	Receiver Board	30545702	30545702	1
17	Front Panel	20002209	20002209	1
18	Guide Louver 2	10512034	10512034	1
19	Guide Louver 1	10512033	10512033	1
20	Motor MP28VA	15212110	15212110	1
21	Motor Clamp	26112014	26112014	1
22	Motor	150121081	150121081	1
23	Electric Box Cover	22242030	22242030	1
24	Terminal Board T4B3A	42011233	42011233	1
25	Covering Plate	201220061	201220061	1
26	Electric Box	20102178	20102178	1
27	Main PCB	30226119	30226074	1
28	Transformer 48X26F	43110226	43110226	1
29	Wire Clamp	71010103	71010103	1
30	Rear Clamp	24242001	24242001	1
31	Signal Cable	4001039509	4001039509	1

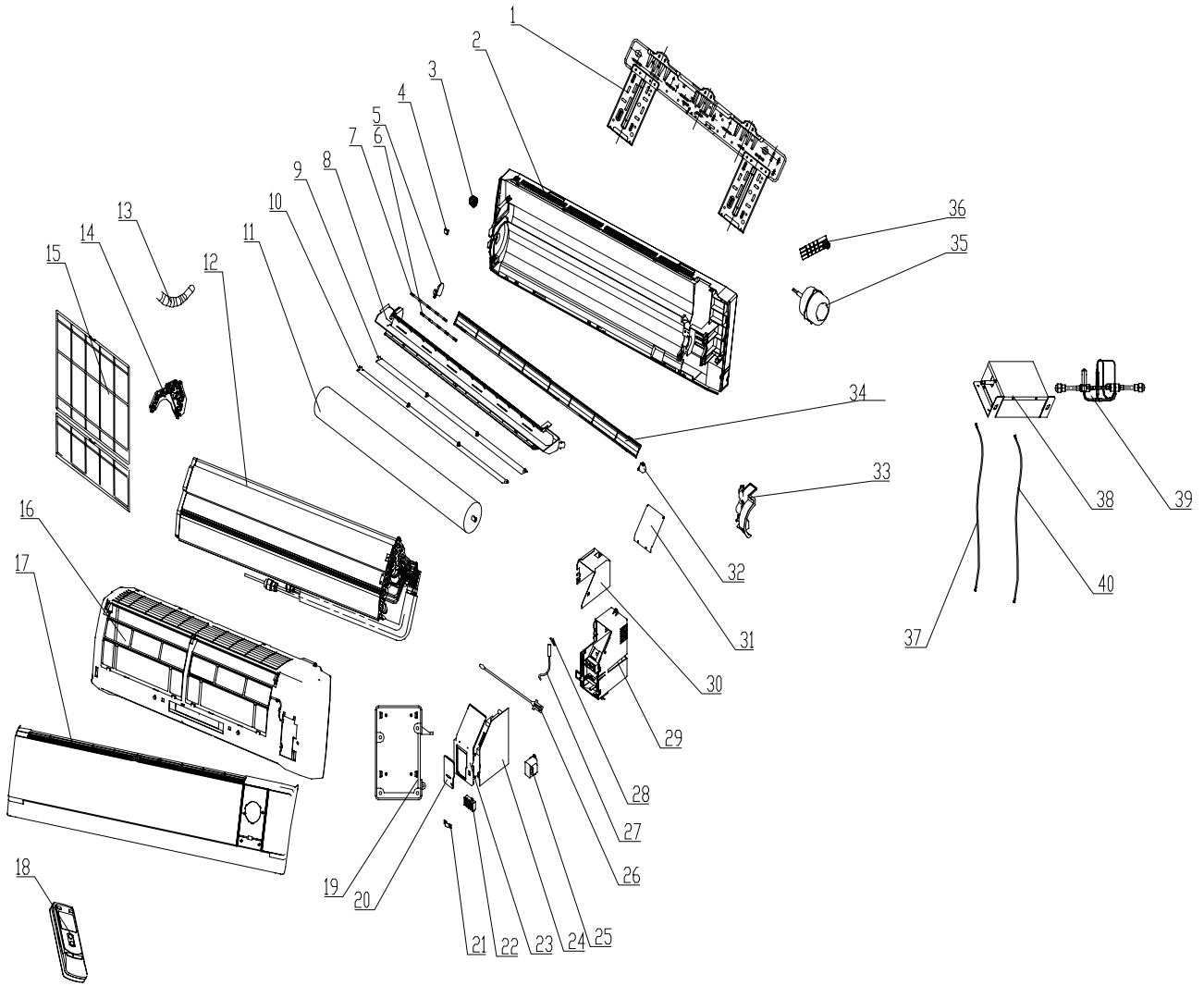
Exploded View of GMV(L)-R36G/NaB-K,GMV(L)-R45G/NaB-K .



● Parts List of GMV-R36G/NaB-K for EM100N0110,GMV-R45G/NaB-K for EM100N0130.

No.	Model	GMV-R36G/NaB-K	GMV-R45G/NaB-K	Qty.
	Part Name	Part Code	Part Code	
1	Wall-Mounting Frame	01252384	01252384	1
2	Rear Case	22202050	22202050	1
3	Evaporator Assy	01004629	01004629	1
4	Cross Flow Fan	10352005	10352005	1
5	Ring of Bearing	/	/	1
6	Drainage hose	0523001401	0523001401	1
7	Water Tray	20182030	20182030	1
8	Swing Louver	10512041	10512041	12
9	Swing Linkage	10582439	10582439	1
10	Front Case	20002292	20002292	1
11	Screw Cover	24252007	24252007	3
12	Filter	11122440	11122440	2
13	Remote Control Y612C	305160051	305160051	1
14	Decorate Piece	68012019	68012019	1
15	Receiver Board	30545552	30545552	1
16	Front Panel	20002292	20002292	1
17	Guide Louver	26112043	26112043	1
18	Guide Louver	26112042	26112042	1
19	Motor MP28EA	15212105	15212105	1
20	Right Motor Clamp	26112429	26112429	1
21	Motor	150120623	20002292	1
22	Electric Box Cover	22242017	22242017	1
23	Terminal Board T4B3A	42011233	42011233	1
24	Covering Plate	20102119	20102119	1
25	Electric Box	20102108	20102108	1
26	Main PCB	30226122	30226122	1
27	Transformer 48X26F	43110226	43110226	1
28	Wire Clamp	71010103	71010103	1
29	Rear Clamp	26112430	26112430	1
30	Signal Cable	40010232/40010267	40010232/40010267	1

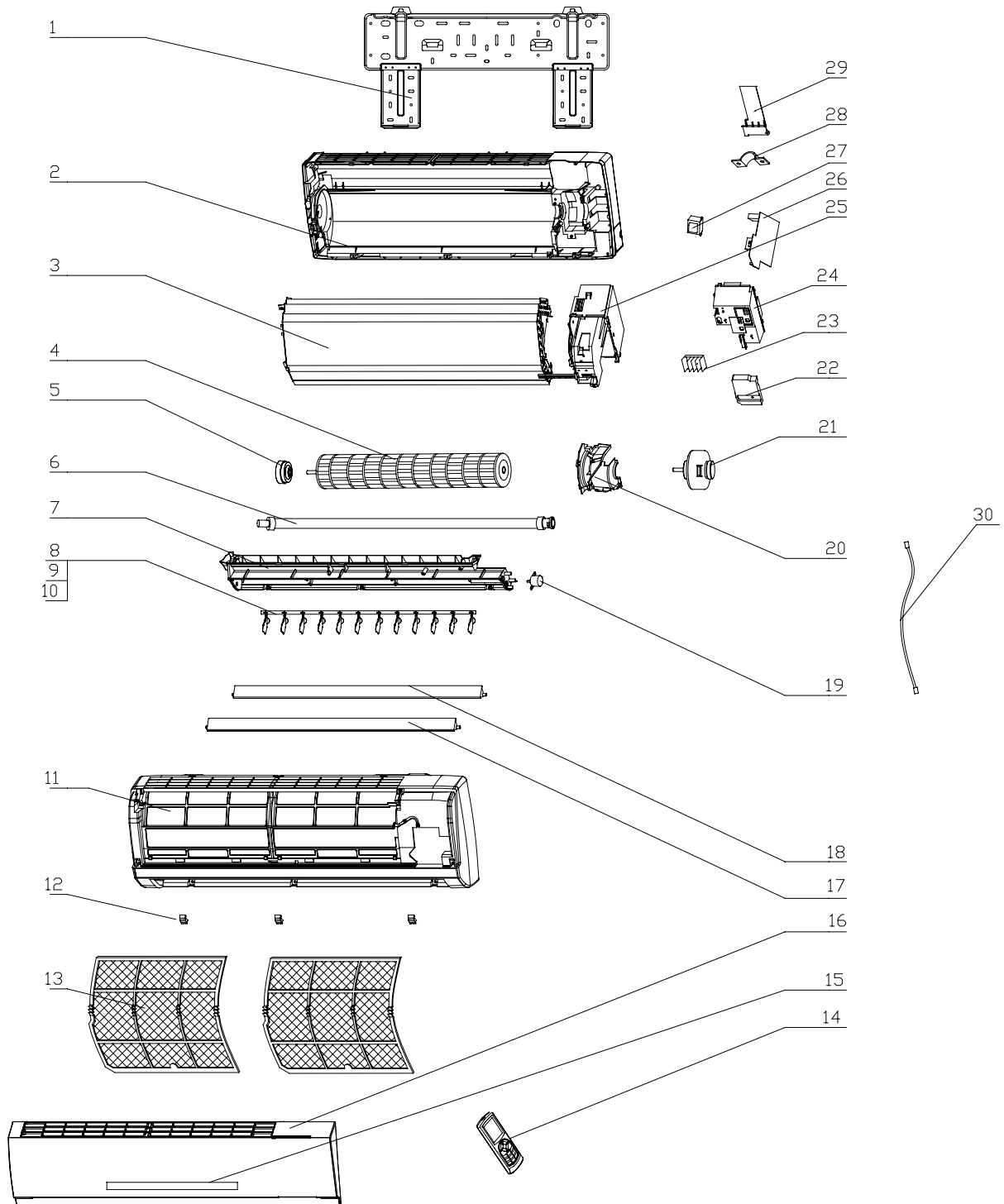
Exploded View of GMV(L)-R50G/NaB-K,GMV(L)-R56G/NaB-K.



● Parts List of GMV-R50G/NaB-K for CM100N0020,GMV-R56G/NaB-K for CM100N0010.

No.	Model	GMV-R50G/NaB-K	GMV-R56G/NaB-K	Qty.
	Part Name	Part Code	Part Code	
1	Wall-Mounting Frame	01252004	01252004	1
2	Rear Case	22202329	22202329	1
3	Fan Bearing	76512203	76512203	1
4	Screw Cover	24252015	24252015	3
5	Swing Louver	10512429	10512429	11
6	Swing Link 1	10582057	10582057	1
7	Swing Link 2	10582058	10582058	1
8	Water Tray	20182057	20182057	1
9	Guide Louver(up)	10512085	10512085	1
10	Guide Louver(down)	10512086	10512086	1
11	Cross Flow Fan	10352022	10352022	1
12	Evaporator Assy	01024148	01024147	1
13	Drainage hose	0523001405	0523001405	1
14	Evaporator Support	24212067	24212067	1
15	Filter	11122048	11122048	2
16	Front Case	200026529	200026529	1
17	Front Panel	01544115	01544115	1
18	Remote Controller	305125063	305125063	1
19	Displaying Light Board	22432071	22432071	1
20	Electric Box Cover 1	20112019	20112019	1
21	Wire Clamp	71010103	71010103	1
22	Terminal Board	42011233	42011233	1
23	Electric Box Cover	20112020	20112020	1
24	Main PCB	30226116	30226116	1
25	Transformer	43110237	43110237	1
26	Room Sensor	3900019813	3900019813	1
27	Tube Sensor 20k	3900019814G	3900019814G	1
		3900019815G	3900019815G	1
		3900019816G	3900019816G	1
28	Sensor Insert	42020063	42020063	3
29	Electric Box	20112018	20112018	1
30	Lower Shield of Electric Box	01592037	01592037	1
31	Upper Shield of Electric Box	01592038	01592038	1
32	Stepping Motor MP35XY	15212117	15212117	1
33	Motor Clamp	26112489	26112489	1
34	Helicoid tongue	26252009	26252009	1
35	Motor FN20C-PG	150120671	150120671	1
36	Pipe Clamp	24242001	24242001	1
37	Signal Cable	4001039509	4001039509	1
38	Fix sub-assy	01324110P	01324110P	1
39	EXV sub-assy	07334225	07334224	1
40	Connecting Wire	40010267	40010267	1

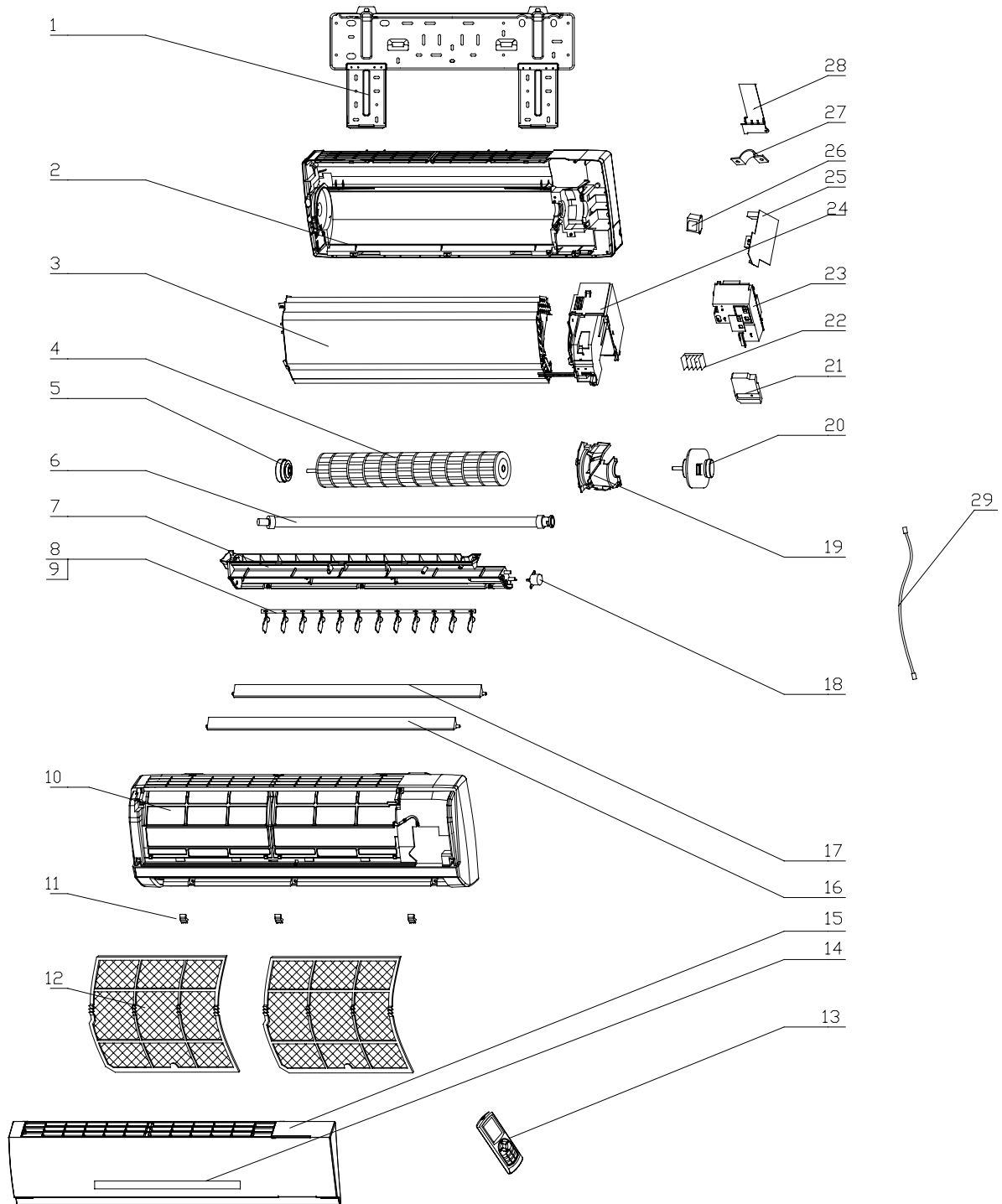
Exploded View of GMV(L)-R22G/NaC-K,GMV(L)-R28G/NaC-K.



● Parts List of GMV-R22G/NaC-K for EM100N0270,GMV-R28G/NaC-K for EM100N0290.

No.	Model	GMV-R22G/NaC-K	GMV-R28G/NaC-K	Qty.
	Part Name	Part Code	Part Code	
1	Wall Mounting Frame	01252220	01252220	1
2	Rear Case	222020012	222020012	1
3	Evaporator Assy	0100462801	0100462801	1
4	Cross Flow Fan	10352001	10352001	1
5	O-Gasket of Cross Fan Bearing	/	/	1
6	Drain Pipe	0523001401	0523001401	1
7	Water Tray	201820272	201820272	1
8	Air Louver	10512080	10512080	1
9	Swing Lever	10582002	10582002	1
10	Swing Lever	10582003	10582003	1
11	Front Case	200024442	200024442	1
12	Screw Cap	24252006	24252006	3
13	Filter	11122002	11122002	2
14	Remote Control Y512	305125063	305125063	1
15	Display Board	30567016	30567016	1
16	Front Panel	20002522	20002522	1
17	Guide Louver	10512034	10512034	1
18	Guide Louver	10512033	10512033	1
19	Stepping Motor	15212110	15212110	1
20	Motor Press Plate	26112014	26112014	1
21	Fan Motor	150121081	150121081	1
22	Electric Box Cover	22242030	22242030	1
23	4-bit Terminal Board	42011233	42011233	1
24	Electric Box Cover	201220061	201220061	1
25	Electric Box	20102178	20102178	1
26	Main PCB	30226097	30226097	1
27	Transformer	43110226	43110226	1
28	Fixed Clamp	71010103	71010103	1
29	Pipe Clamp	24242001	24242001	1
30	Connecting Wire(communicate)	4001039509	4001039509	1

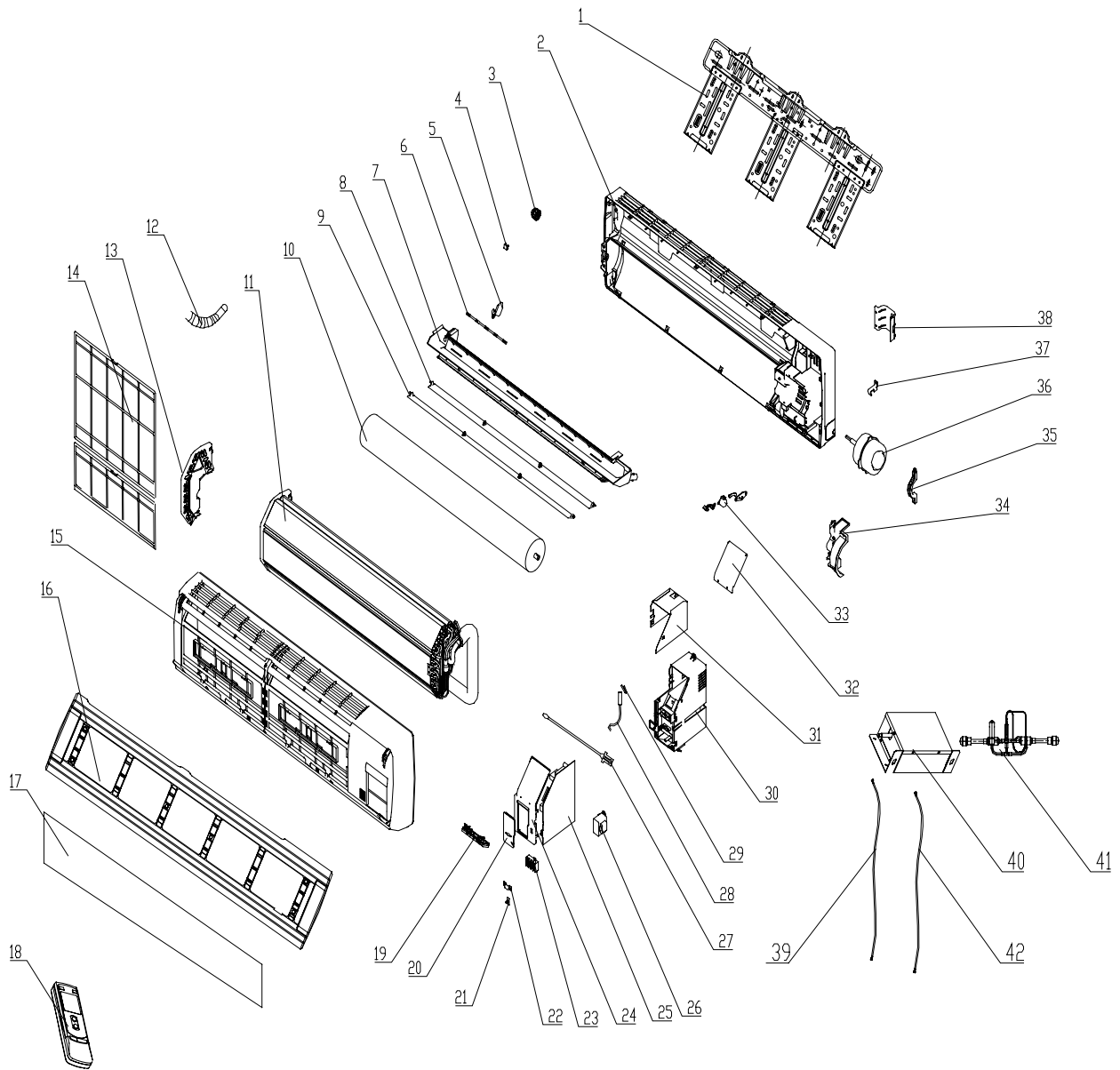
Exploded View of GMV(L)-R36G/NaC-K,GMV(L)-R45G/NaC-K.



● Parts List of GMV-R36G/NaC-K for EM100N0310,GMV-R45G/NaC-K for EM100N0330.

No.	Model	GMV-R36G/NaC-K	GMV-R45G/NaC-K	Qty.
	Part Name	Part Code	Part Code	
1	Wall Mounting Frame	01252384	01252384	1
2	Rear Case Sub-Assy	22202051	22202051	1
3	Evaporator Assy	01004629	01004629	1
4	Cross Flow Fan	10352005	10352005	1
5	Ring of Bearing	26152423	26152423	1
6	Drain Pipe	0523001401	0523001401	1
7	Water Tray	20182030	20182030	1
8	Air Louver	10512041	10512041	12
9	Swing Lever	10582439	10582439	1
10	Front Case	200025253	200025253	1
11	Screw Cap	24252007	24252007	3
12	Filter	11122440	11122440	2
13	Remote Control Y512	305125063	305125063	1
14	Display Board	30542072	30542072	1
15	Front Panel	20002524	20002524	1
16	Lower Guide Louver	26112043	26112043	1
17	Upper Guide Louver	26112042	26112042	1
18	Stepping Motor	15212105	15212105	1
19	Motor Right Clamp	26112429	26112429	1
20	Motor FN22G	150120623	150120623	1
21	Electric Box Cover	22242017	22242017	1
22	4-bit Terminal Board	42011233	42011233	1
23	Covering Plate	20102119	20102119	1
24	Electric Box	20102108	20102108	1
25	Main PCB	30226100	30226100	1
26	Transformer	43110226	43110226	1
27	Fixed Clamp	71010103	71010103	1
28	Rear Clamp	26112430	26112430	1
29	Connecting Wire(communicate)	4001039509	4001039509	1

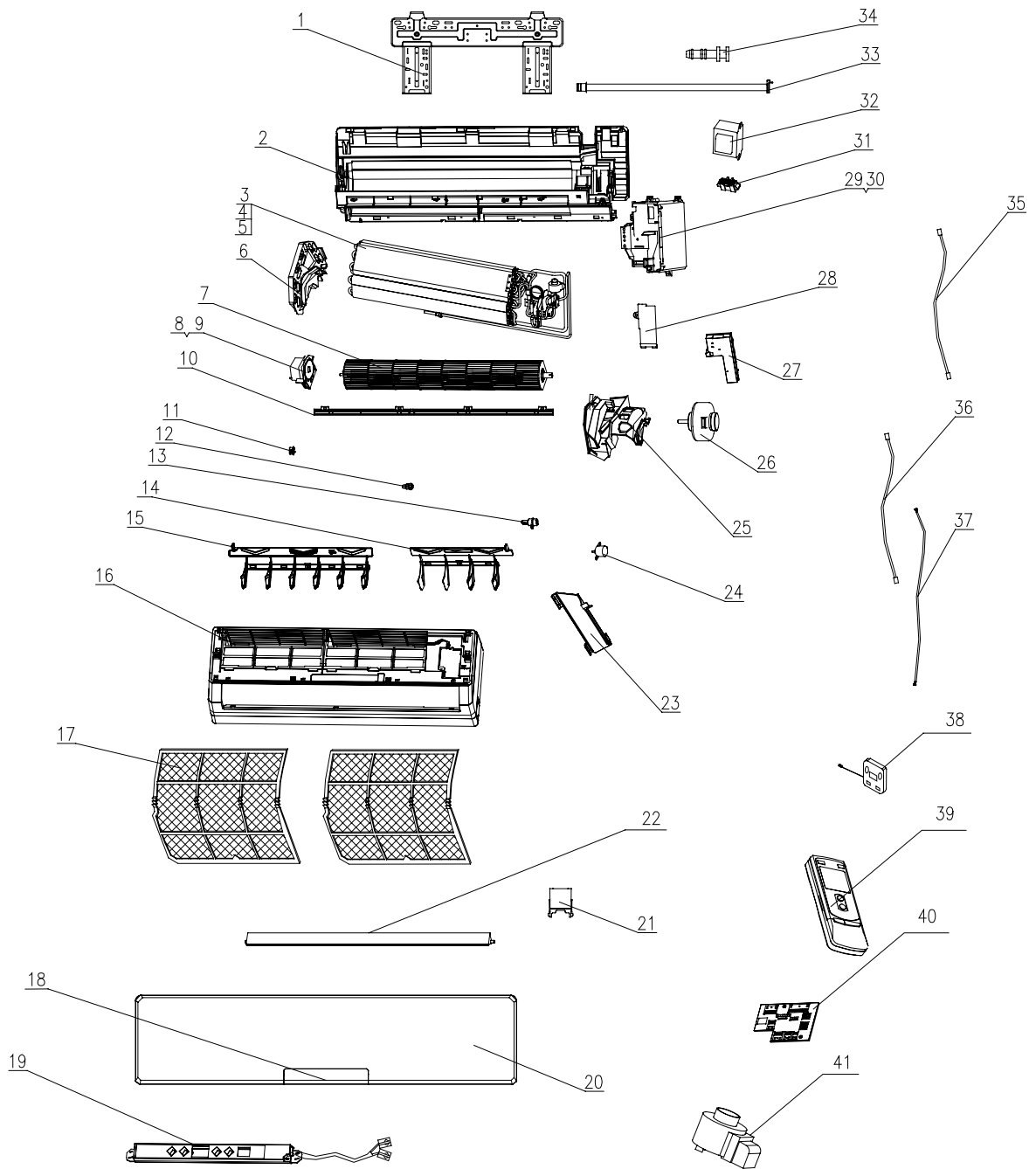
Exploded View of GMV(L)-R71G/Na-K, GMV(L)-R80G/Na-K .



● Parts List of GMV-R71G/Na-K for CM100N0030,GMV-R80G/Na-K for CM100N0080.

NO.	Model	GMV-R71G/Na-K	GMV-R80G/Na-K	Qty
	Part Name	Part Code	Part Code	
1	Wall-Mounting Frame	01252398	01252398	1
2	Rear Case	22202091	22202091	1
3	Fan Bearing	76512203	76512203	1
4	Screw Cover	242520053	242520053	3
5	Swing Louver	10512110	10512110	15
6	Swing Link	10582040	10582040	3
7	Water Tray	20182043	20182043	1
8	Guide Louver(up)	10512062	10512062	1
9	Guide Louver(down)	10512063	10512063	1
10	Cross Flow Fan	10352420	10352420	1
11	Evaporator Assy	01024112	01024112	1
12	Drainage Pipe	0523001403	0523001403	1
13	Evaporator Support(left)	24212041	24212041	1
14	Filter	11122051	11122051	2
15	Front Case	26904107	26904107	1
16	Front Panel	20002698	20002698	1
17	Front Panel A	22432258	22432258	1
18	Remote Controller Y512	305125063	305125063	1
19	Receiver Board JD	30046093	30046093	1
20	Electric Box Cover	20102252	20102252	1
21	Switch Lever	10582007	10582007	1
22	Wire Clamp	71010103	71010103	1
23	Terminal Board T4B3A	42011233	42011233	1
24	Electric Box Cover	201022513	201022513	1
25	Main PCB	30226420	30226420	1
26	Transformer 48X26G	43110233	43110233	1
27	Room Sensor	3900019813	3900019813	1
28	Tube Sensor	3900019814G	3900019814	1
		3900019815G	3900019815	1
		3900019816G	3900019816	1
29	Sensor Insert	42020063	42020063	3
30	Electric Box	20102250	20102250	1
31	Lower Shield of Electric Box	01592034	01592034	1
32	Upper Shield of Electric Box	01592033	01592033	1
33	Stepping Motor MP24GA	15212102	15212102	1
34	Evaporator Support (rihgt)	2421204201	2421204201	1
35	Motor Clamp	26112069	26112069	1
36	Motor FN26D	150121053	150121053	1
37	Fixer(evaporator)	02112009	02112009	1
38	Pipe Clamp	26112071	26112071	1
39	Signal Cable	4001039509	4001039509	1
40	Fix sub-assy	01324110P	01324110P	1
41	EXV sub-assy	07334255	07334255	1
42	Connecting Wire	40010267	40010267	1

Exploded View of GMV(L)-R22G/NaG-K,GMV(L)-R28G/NaG-K .



● Parts List of GMV-R22G/NaG-K for CM100N0220,GMV-R28G/NaG-K for CM100N0240.

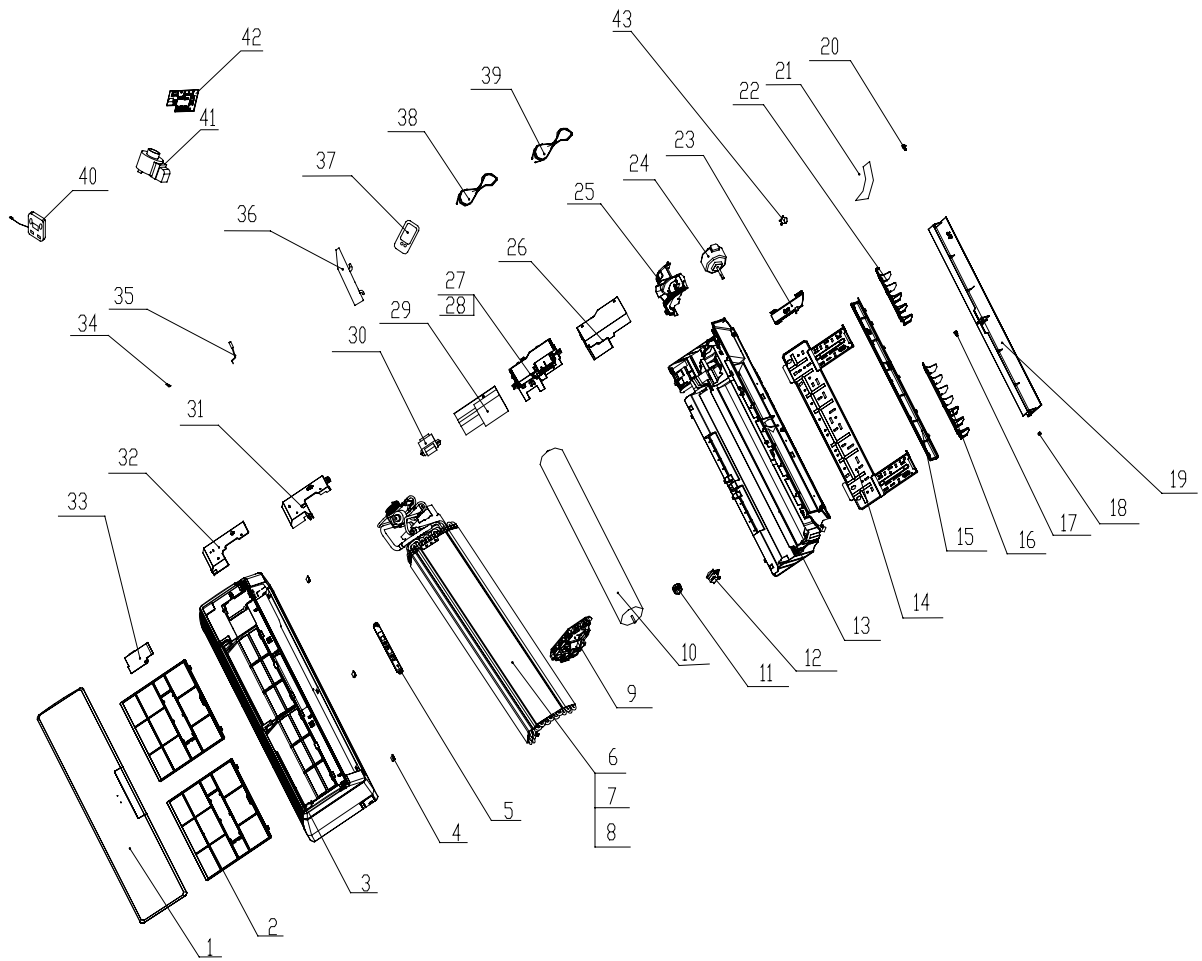
NO.	Model	GMV-R22G/NaG-K	GMV-R28G/NaG-K	Qty
	Part Name	Part Code	Part Code	
1	Wall-Mounting Frame	01252021	01252021	1
2	Rear Case assy	26904260	26904260	1
3	Evaporator Assy	01024249	01024249	1
4	Electronic Expansion Valve Assy	07334373	07334373	1
5	Electronic Expansion Valve	07334281	07334281	1
6	Evaporator Support	24212091	24212091	1
7	Cross Flow Fan	10454101	10454101	1
8	Ring of Bearing	26152022	26152022	1
9	O-Gasket of Cross Fan Bearing	76512203	76512203	1
10	Helicoid tongue	26112163	26112163	1
11	Left Axile Bush	10512037	10512037	1
12	Crank	10582070	10582070	1
13	Axile Bush	10542008	10542008	1
14	Air Louver 1	10512156	10512156	1
15	Air Louver 2	10512155	10512155	1
16	Front Case Sub-Assy	20012139	20012139	1
17	Filter Sub-Assy	1112220401	1112220401	2
18	Receiver Window	22432230	22432230	1
19	Receiver Board D5183	30565007	30565007	1
20	Front Panel	20012122S	20012122S	1
21	Screw Cover	24252016	24252016	1
22	Guide Louver	10512157	10512157	1
23	Pipe Clamp	26112164	26112164	1
24	Stepping Motor	1521212901	1521212901	1
25	Motor Press Plate	26112161	26112161	1
26	Fan Motor	150120874	150120874	1
27	Electric Box Cover 1	20122103	20122103	1
28	Electric Box Cover 2	2012207506	2012207506	1
29	Electric Box Assy	① 01395015	① 01395015	1
		② 01395094	② 01395094	1
30	Main PCB Z6N35A	① 30226326	① 30226326	1
		② 30226236	② 30226236	1
31	Jumping Connector	4202300121	4202300121	1
32	Transformer 48X26F	43110226	43110226	1
33	Drainage hose	0523001401	0523001401	1
34	Rubber Plug	76712012	76712012	1
35	Power Cord	4002048710	4002048710	1
36	Signal Wire	4001039509	4001039509	1
37	Signal Wire	40010232	40010232	1
38	Display Board	30565007	30565007	1
39	Remote Controller	30510041	30510041	1
40	Switch Board	30118018	30118018	1
41	Electric expand valve fitting	4304000102	4304000102	1

Note:

① is only applicable to GMV-R22G/NaG-K,GMV-R28G/NaG-K.

② is only applicable to GMVL-R22G/NaG-K,GMV-R28G/NaG-K.

Exploded View of GMV(L)-R36G/NaG-K, GMV(L)-R45G/NaG-K, GMV(L)-R50G/NaG-K.



● Parts List of GMV-R36G/NaG-K for CM100N0270,GMV-R45G/NaG-K for CM100N0280,GMV-R50G/NaG-K for CM100N0260.

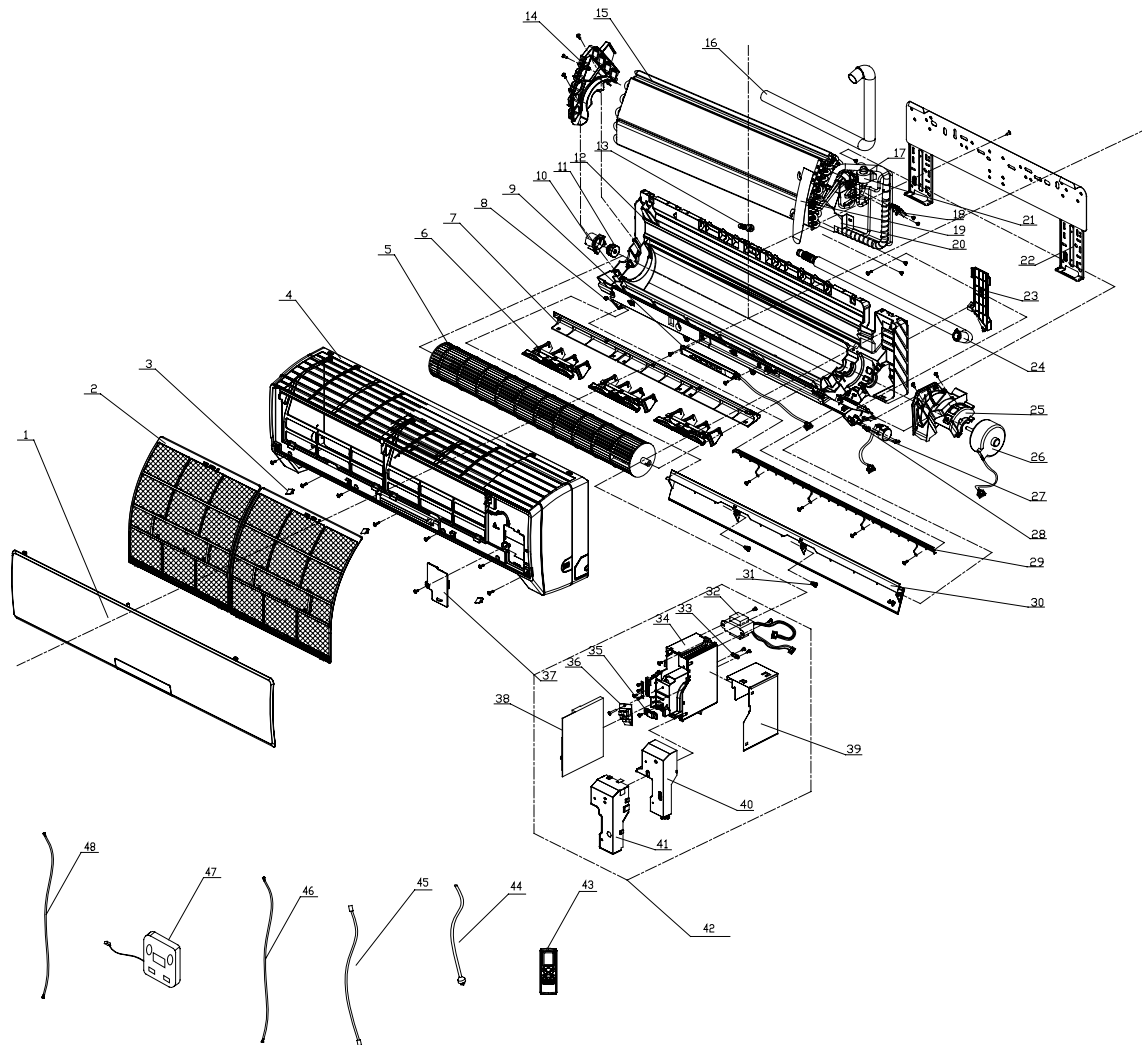
NO.	Model	GMV-R36G/NaG-K	GMV-R45G/NaG-K	GMV-R50G/NaG-K	Qty
	Part Name	Part Code	Part Code	Part Code	
1	Front Panel Case	20012260	20012260	20012260	1
2	Filter	11120011	11120011	11120011	1
3	Front Case Assy	20012288	20012288	20012288	1
4	Screw Cover	24252016	24252016	24252016	3
5	Display Board	30565038	30565038	30565038	1
6	Evaporator Assy	01024250	01024250	01024250	1
7	Electric expand valve Assy	07334374	07334374	07334374	1
8	Electric expand valve	07334283	07334283	07334283	1
9	Evaporator Support	24212100	24212100	24212100	1
10	Cross Flow Fan	10454102	10454102	10454102	1
11	O-Gasket of Cross Fan Bearing	76512203	76512203	76512203	1
12	Bearing cushion rubber base	26152022	26152022	26152022	1
13	Rear Case	26904259	26904259	26904259	1
14	Wall-Mounting Frame	01252218	01252218	01252218	1
15	Helicoid tongue	26112164	26112164	26112164	1
16	Air Louver	10512116	10512116	10512116	1
17	Axile Bush	10542008	10542008	10542008	1
18	Left Axile Bush	10512037	10512037	10512037	1
19	Guide Louver	10512115	10512115	10512115	1
20	Crankshaft	10582070	10582070	10582070	1
21	Drainage Pipe	05230014	05230014	05230014	1
22	Air Louver	10512117	10512117	10512117	1
23	Pipe Clamp	26112164	26112164	26112164	1
24	Motor	15012116	15012116	15012116	1
25	Motor Press Plate	26112164	26112164	26112164	1
26	Lower Shield of Electric Box	01592091	01592091	01592091	1
27	Electric Box Assy	① 01394970	① 01394970	① 01394970	1
		② 01395095	② 01395095	② 01395095	1
28	Electric Box	2011210803	2011210803	2011210803	1
29	Main PCB	① 30226330	① 30226330	① 30226330	1
		② 30226238	② 30226238	② 30226238	1
30	Transformer	43110237	43110237	43110237	1
31	Electric Box Cover	20122128	20122128	20122128	1
32	Upper Shield of Electric Box	01592092	01592092	01592092	1
33	Electric Box Cover	2011208104	2011208104	2011208104	1
34	Sensor Insert	42020063	42020063	42020063	1
35	Tube Sensor	39008049G	39008049G	39008049G	1
36	Water-blocking Sheet	76712012	76912106	76912106	1
37	Remote Controller	30510041	30510041	30510041	1
38	Power Cord	4002048710	4002048710	4002048710	1
39	Signal Wire	4001039509	4001039509	4001039509	1
40	Display Board	30565038	30565038	30565038	1
41	Electric expand valve fitting	4304000102	4304000102	4304000102	1
42	Switch Board	30118018	30118018	30118018	1
43	Stepping Motor	15012086	15012086	15012086	1

Note:

① is only applicable to GMV-R36G/NaG-K,GMV-R45G/NaG-K,GMV-R50G/NaG-K.

② is only applicable to GMVL-R36G/NaG-K,GMVL-R45G/NaG-K,GMVL-R50G/NaG-K.

Exploded View of GMV(L)-R56G/NaG-K,GMV(L)-R63G/NaG-K,GMV(L)-R71G/NaG-K.



- Parts List of GMV-R56G/NaG-K for CM100N0330,GMV-R63G/NaG-K for CM100N0340,GMV-R71G/NaG-K for CM100N0320.

NO.	Model	GMV-R56G/NaG-K	GMV-R63G/NaG-K	GMV-R71G/NaG-K	Qty
	Part Name	Part Code	Part Code	Part Code	
1	Front Panel Case	20012328	20012328	20012328	1
2	Filter	11120011	11120011	11120011	2
3	Screw Cover	24252016	24252016	24252016	3
4	Front Case	20012295	20012295	20012295	1
5	Cross Flow Fan	10454103	10454103	10454103	1
6	Air Louver	10512159	10512159	10512159	3
7	Helicoid tongue	26112187	26112187	26112187	1
8	Left Axile Bush	10512037	10512037	10512037	1
9	Display Board	30565038	30565038	30565038	1
10	Bearing cushion rubber base	26152025	26152025	26152025	1
11	O-Gasket of Cross Fan Bearing	76512203	76512203	76512203	1
12	Rear Case Assy	26904258	26904258	26904258	1
13	Water-Tray Drainplug	76712012	76712012	76712012	1
14	Evaporator Support	24212103	24212103	24212103	1
15	Evaporator Assy	01024251	01024251	01024251	1
16	Thermal Insulation Tube	75080005	75080005	75080005	0.7m
17	Electric Expansion Valve Sub-Assy	07334386	07334386	07334386	1
18	Elbow Protect Board	01072493	01072493	01072493	1
19	Water-blocking Sheet	76814104	76814104	76814104	1
20	Air Guard	01354124P	01354124P	01354124P	1
21	Electric expand valve fitting	4304000102	4304000102	4304000102	1
22	Wall-Mounting Frame	01252002	01252002	01252002	1
23	Pipe Clamp	26112188	26112188	26112188	1
24	Drainage Pipe	0523001405	0523001405	0523001405	1
25	Motor Clamp	26112184	26112184	26112184	1
26	Motor FN25A-PG	15012098	15012098	15012098	1
27	Stepping Motor MP35XX	1521300101	1521300101	1521300101	1
28	Crankshaft	10582070	10582070	10582070	1
29	Filter Sub-Assy	11122091	11122091	11122091	1
30	Guide Louver	10512118	10512118	10512118	1
31	Axile Bush	10542008	10542008	10542008	2
32	Transformer 57X25C	43110237	43110237	43110237	1
33	Wire Retaining Band	26112181	26112181	26112181	1
34	Electric Box	① 2011210803	① 2011210803	① 2011210803	1
		② 20112108	② 20112108	② 20112108	1
35	Wire Clamp	71012064	71012064	71012064	1
36	Switch Board	30118018	30118018	30118018	1
37	Electric Box Cover 2	2011208104	2011208104	2011208104	1
38	Main PCB	① 30226256	① 30226256	① 30226256	1
		② 30226255	② 30226255	② 30226255	1
39	Lower Shield of Electric Box	01592091	01592091	01592091	1
40	Electric Box Cover 1	20122128	20122128	20122128	1
41	Upper Shield of Electric Box	01592092	01592092	01592092	1
42	Electric Box Assy	① 01395068	① 01395068	① 01395068	1
		② 01395096	② 01395096	② 01395096	1
43	Remote Controller YB1FA	30510041	30510041	30510041	1
44	Power Cord	4002048710	4002048710	4002048710	1
45	Connecting Cable	40010232	40010232	40010232	1
46	Connecting Cable	4001039509	4001039509	4001039509	1
47	Display Board	30565038	30565038	30565038	1
48	Sensor sub-assy	39008049	39008049	39008049	1

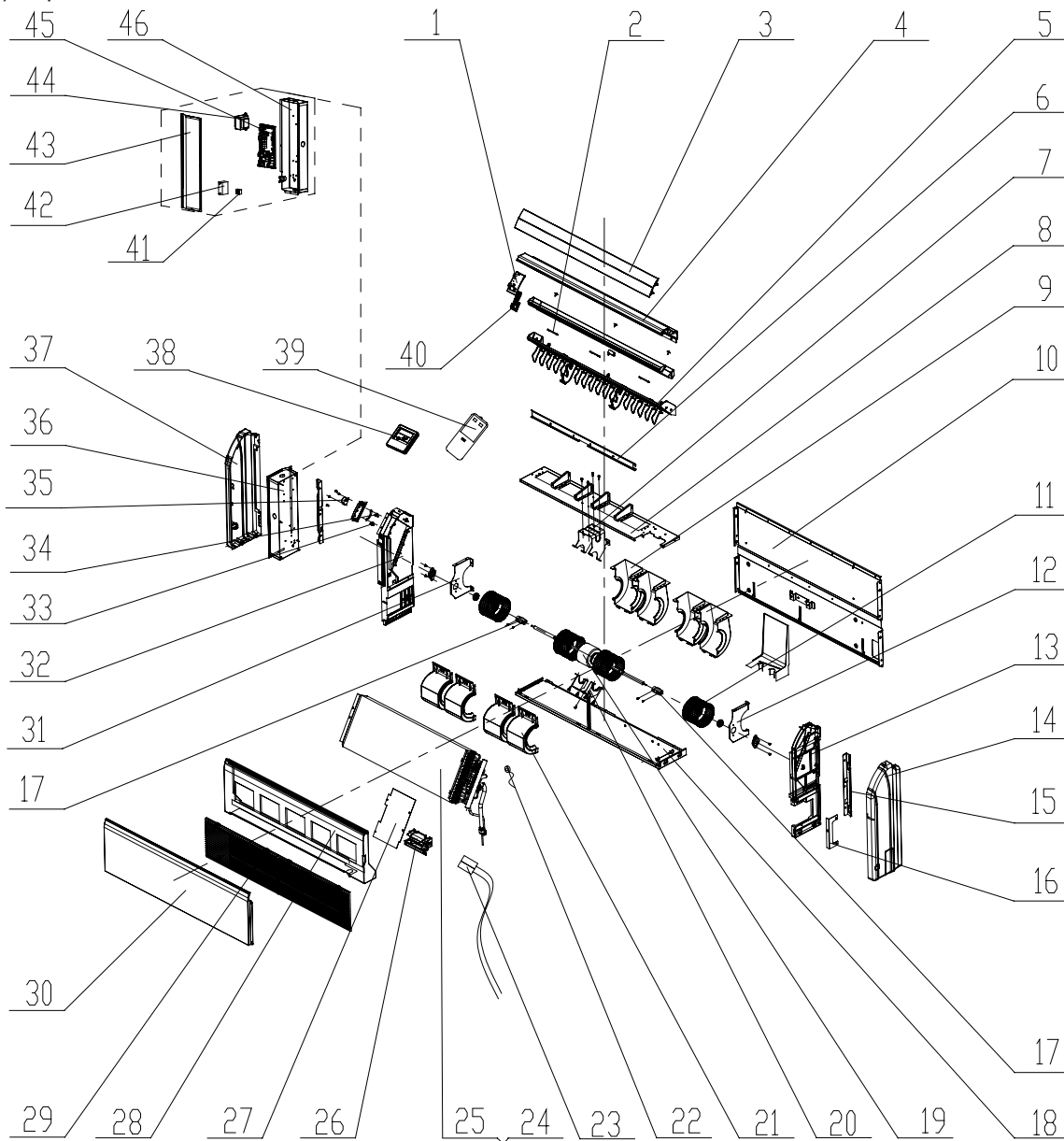
Note:

① is only applicable to GMV-R56G/NaG-K,GMV-R63G/NaG-K,GMV-R71G/NaG-K.

② is only applicable to GMVL-R56G/NaG-K,GMVL-R63G/NaG-K,GMVL-R71G/NaG-K.

5.5 Floor Ceiling Type

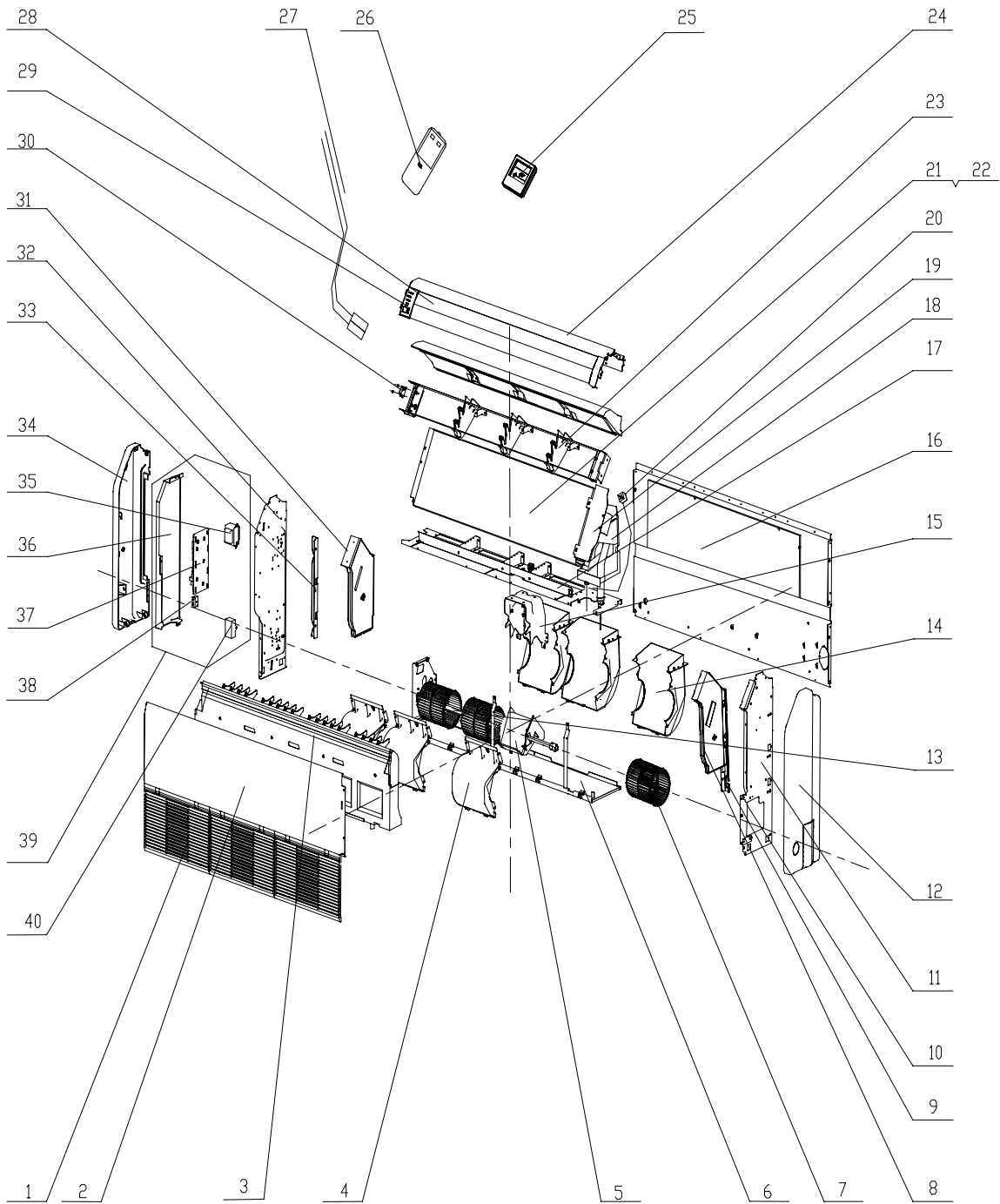
(1) Exploded View of GMV-R28Zd/NaB-K,GMV-R36Zd/NaB-K,GMV-R50Zd/NaB-K.



● Parts List of GMV-R28Zd/NaB-K for CM600N0170,GMV-R36Zd/NaB-K for CM600N0180,GMV-R50Zd/NaB-K for CM600N0190.

No.	Model	GMV-R28Zd/NaB-K	GMV-R36Zd/NaB-K	GMV-R50Zd/NaB-K	Qty
	Part Name	Part Code	Part Code	Part Code	
1	Fixed Mount	26909426R	26909426R	26909426R	1
2	Louver Clamp	26112127	26112127	26112127	2
3	Guide Louver	10619403	10619403	10619403	2
4	Front Connecting Plate	01349414P	01349414P	01349414P	1
5	Base Frame	26909448	26909448	26909448	1
6	Air Lead Plate sub-assy	02229418	02229418	02229418	1
7	Supporter	01805288	01805288	01805288	1
8	Mid-clapboard sub-assy	01249416	01249416	01249416	1
9	Front volute casing	26905205	26905205	26905205	4
10	Rear side plate assy	01319430	01319430	01319430	1
11	Centrifugal fan	10425200	10425200	10425200	4
12	Support 1	01809417	01809417	01809417	1
13	Right Side Plate Sub-Assy	01319429	01319429	10319429	1
14	Right Cover Plate	26909444	26909444	26909444	1
15	Installation Supporting Frame	01809402	01809402	01809402	1
16	Connection Board	02229406	02229406	02229406	1
17	Joint Slack	73018731	73018731	73018731	2
18	Rear Connecting Plate	01349416	01349416	01349416	1
19	Fan Motor	1570940901	1570940901	15704111	1
20	Bar Clasp Sub-assy	70815201	70815201	70815201	1
21	Rear volute casing	26905206	26905206	26905206	4
22	Electric expand valve fitting	4304000101	4304000101	4304000101	1
23	Sensor Sub-assy	39008073	39008073	39008073	1
24	Evaporator Assy	01024294	01024298	01024293	1
25	Electronic Expansion Valve	07334281	07334281	07334281	1
26	Press Plate of Water Lead flume	26909442	26909442	26909442	1
27	Connection Board	01344115	01344115	01344115	1
28	Water Tray Assy	01289404	01289404	01289404	1
29	Front Grill sub-assy	01579403	01579403	01579403	2
30	Top Cover Board Sub-assy	01269409	01269409	01269409	1
31	Support 2	01809418	01809418	01809418	1
32	Left Side Plate Sub-Assy	0131942801	0131942801	0131942801	1
33	Rotating Shaft	26909412	26909412	26909412	1
34	Rotating Shaft	26909413	26909413	26909413	1
35	Step Motor	1521240206	1521240206	1521240206	1
36	Electric Box Assy	01395152	01395152	01395140	1
37	Left Cover Plate	26909443	26909443	26909443	1
38	Display Board	30296309	30296309	30296309	1
39	Remote Controller	30510041	30510041	30510041	1
40	Display Board	30294220	30294220	30294220	1
41	Terminal Board	42011106	42011106	42011106	1
42	Capacitor CBB61	33010089	33010089	33010026	1
43	Electric Box Cover	01429420	01429420	01429420	1
44	Transformer	4311023701	4311023701	4311023701	1
45	Main Board	30226910	30226910	30226910	1
46	Electric Box	01429419	01429419	01429419	1

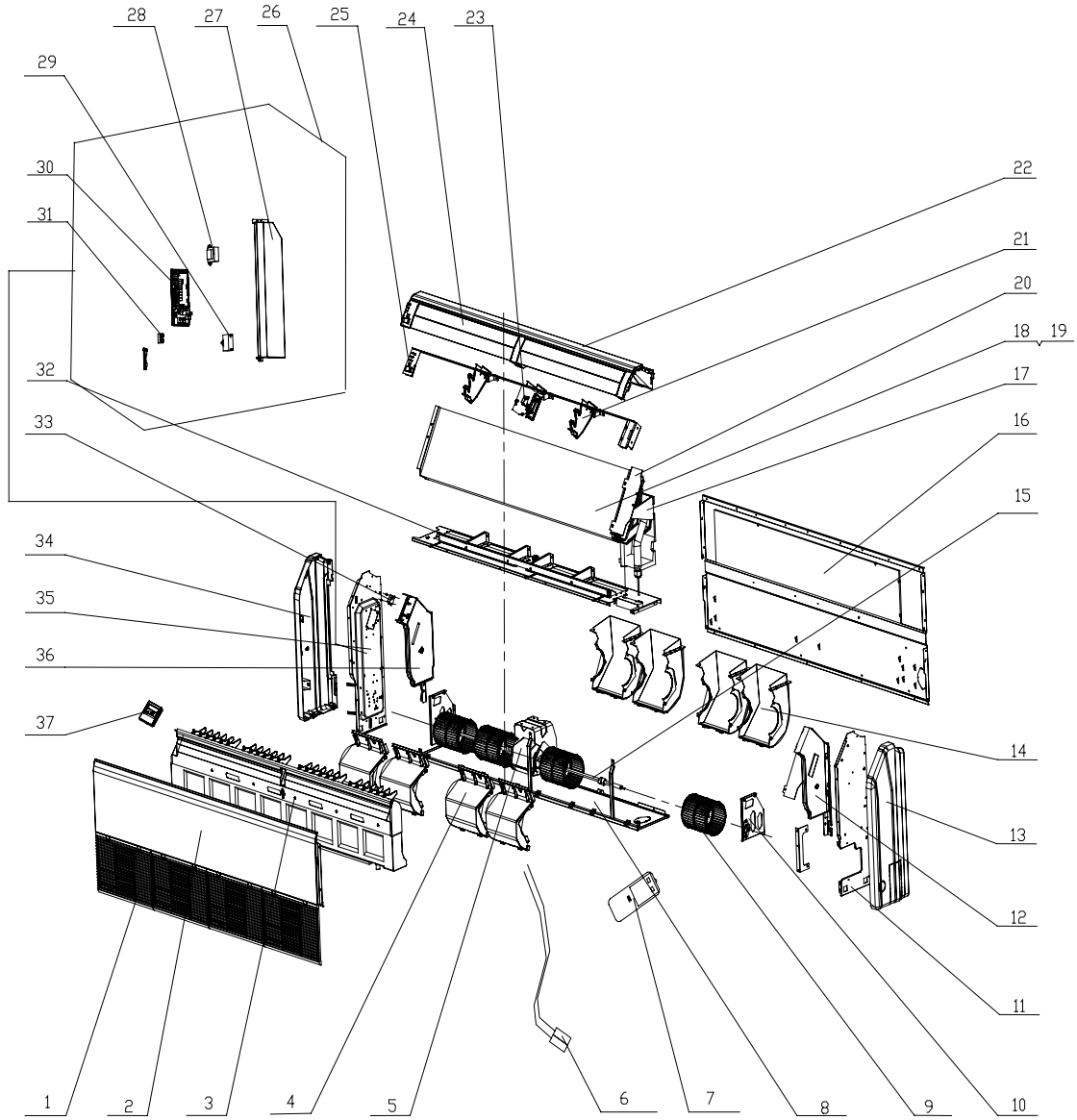
(2) Exploded View of GMV-R71Zd/NaB-K,GMV-R90Zd/NaB-K.



● Parts List of GMV-R71Zd/NaB-K for CM600N0200,GMV-R90Zd/NaB-K for CM600N0210.

No.	Model	GMV-R71Zd/NaB-K	GMV-R90Zd/NaB-K	Qty
	Part Name	Part Code	Part Code	
1	Front Gill	26909434	26909434	1
2	Top Cover Plate Sub-assy	01269405	01269405	1
3	Water tray assy	01289403	01289403	1
4	Front volute casing	26905208	26905208	3
5	Fan Motor	15709408	15709407	1
6	Rear Connection Board	01349410	01349410	1
7	Centrifugal fan	1041410101	1041410101	3
8	Right Foam Sub-assy	12509412	12509412	1
9	Install plank	01809402	01809402	1
10	Connection Board	02229406	02229406	1
11	Right Side Plate Sub-assy	01319408	01319408	1
12	Right Cover Plate	26909422	26909422	1
13	Rotary Axis Sub-Assy	73018052	73018052	1
14	Rear volute casing	26909419	26909419	3
15	Install Board Sub-assy	01329406	01329406	1
16	Rear Side Plate Assy	0131941901	0131941901	1
17	Middle bar Plate Assy	01249407	0124940501	1
18	Water Lead Plate Sub-Assy	02224151P	02224151P	1
19	Connected Board	01344108	01344108	1
20	Electric expand valve fitting	4304000103	4304413202	1
21	Evaporator Assy	0102428401	01024284	1
22	Electronic Expansion Valve	07334283	07334389	1
23	Plank	26909409	26909409	3
24	Front Connection Board	01349408P	01349408P	1
25	Display Board Sub-Assy	0222940501	0222940501	1
26	Remote Controller	30510041	30510041	1
27	Sensor sub-assy	39008057	39008057	1
28	Guide Louver	26909432	26909432	2
29	Display Board	30296309	30296309	1
30	Stepping Motor	1521240206	1521240206	1
31	Left Foam Sub-assy	12509409	12509409	1
32	Left Side Plate Assy	01319406	01319406	1
33	Install plank	01809401	01809401	1
34	Left Cover Plate	26909416	26909416	1
35	Transformer	4311023701	4311023701	1
36	Electric Box cover	01429410P	01429410P	1
37	Main Board	30226910	30226910	1
38	Terminal Board	42011106	42011106	1
39	Electric Box Assy	01395131	01395076	1
40	Capacitor	33010011	33010014	1

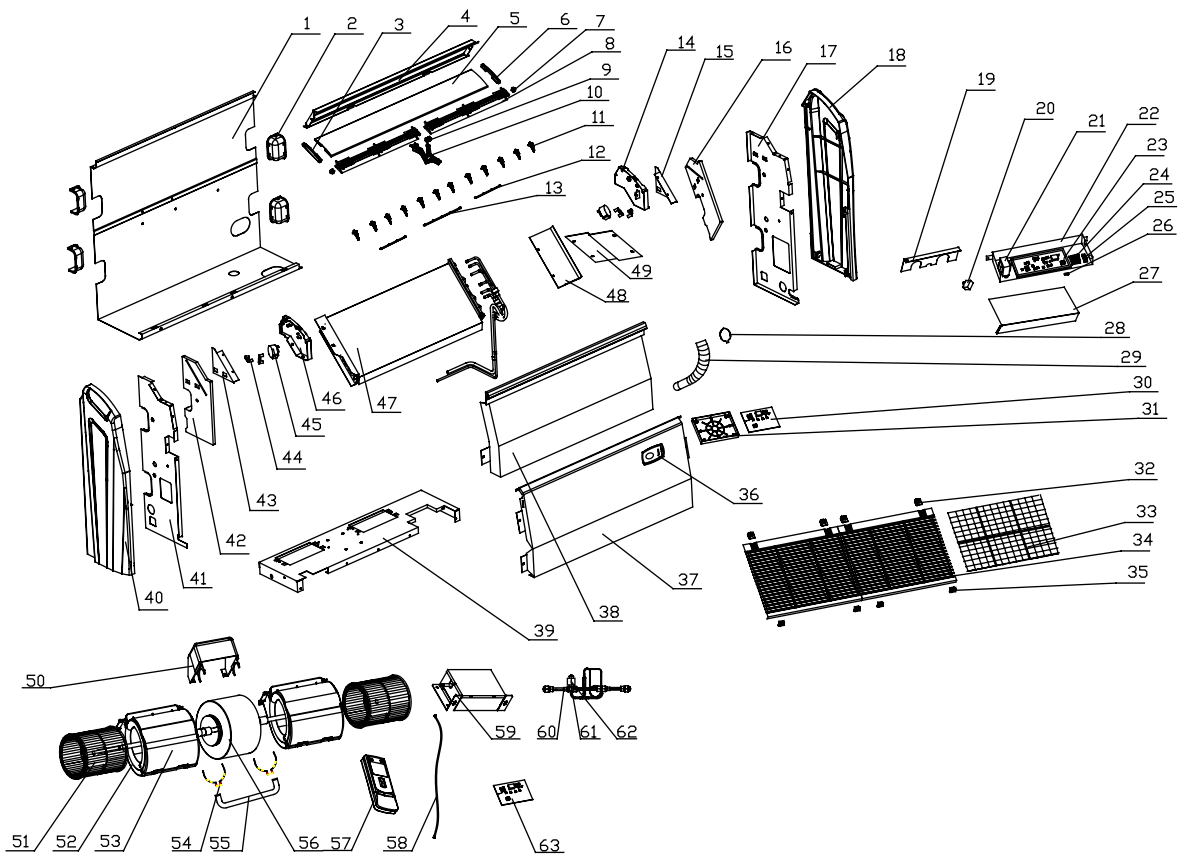
(3) Exploded View of GMV-R112Zd/NaB-K, GMV-R125Zd/NaB-K.



● Parts List of GMV-R112Zd/NaB-K for CM600N0220,GMV-R125Zd/NaB-K for CM600N0160.

No.	Model	GMV-R112Zd/NaB-K	GMV-R125Zd/NaB-K	Qty
	Part Name	Part Code	Part Code	
1	Front Gill	26909425	26909425	1
2	Top Cover Plate Sub-assy	01269403	01269403	1
3	Water tray assy	01289401	01289401	1
4	Front volute casing	26905208	26905208	4
5	Fan Motor	15709405	15709405	1
6	Sensor sub-assy	39008057	39008057	1
7	Remote Controller	30510041	30510041	1
8	Rear Connection Board	01349411	01349411	1
9	Centrifugal fan	1041410101	1041410101	4
10	Plank	01809404	01809404	1
11	Right Side Plate Sub-assy	01319408	01319408	1
12	Right Foam Sub-assy	12509412	12509412	1
13	Right Cover Plate	26909422	26909422	1
14	Rear volute casing	26909419	26909419	4
15	Rotate Axis	26909413	26909413	1
16	Rear Side Plate Assy	01319422	01319422	1
17	Water Lead Plate Sub-Assy	02224151P	02224151P	1
18	Evaporator Assy	01024255	01024270	1
19	Electronic Expansion Valve	07334389	07334389	1
20	Connected Board	01344108	01344108	1
21	Plank	26909410	26909410	1
22	Front Connection Board	01349404P	01349404P	1
23	Stepping Motor	1521240201	1521240201	1
24	Guide Louver	26909408	26909408	4
25	Display Board	30294220	30294220	1
26	Electric Box Assy	01395076	01395076	1
27	Electric Box cover	01429410P	01429410P	1
28	Transformer	4311023701	4311023701	1
29	Capacitor	33010014	33010014	1
30	Main Board	30226910	30226910	1
31	Terminal	42011106	42011106	1
32	Middle bar Plate Assy	0124940101	0124940101	1
33	Stepping Motor	1521240206	1521240206	1
34	Left Cover Plate	26909416	26909416	1
35	Left Side Plate Assy	01319406	01319406	1
36	Left Foam Sub-assy	12509409	12509409	1
37	Display Board	30296309	30296309	1

(4) Exploded View of GMV(L)-R28Zd/Na-K,GMV(L)-R36Zd/Na-K,GMV(L)-R50Zd/Na-K.

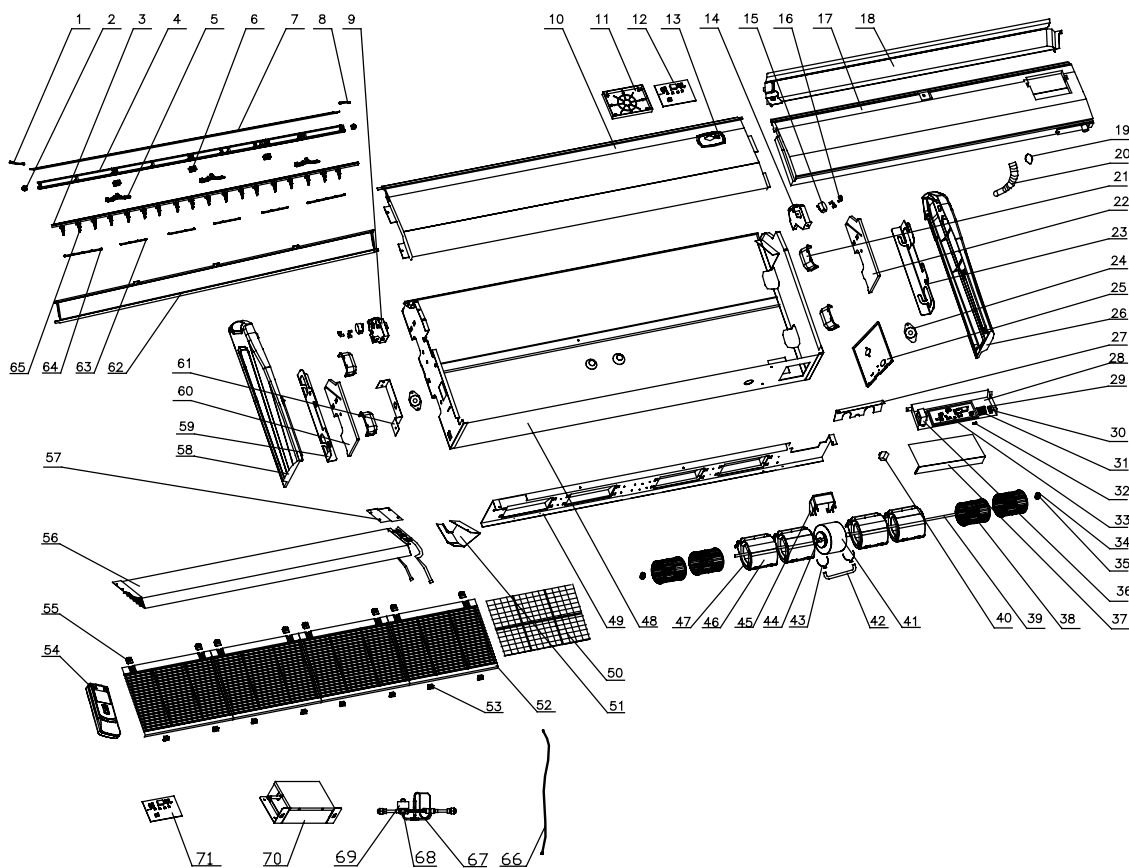


● Parts List of GMV-R28Zd/Na-K for EM600N0060, GMV-R36Zd/Na-K for EM600N0070, GMV-R50Zd/Na-K for EM600N0010.

No.	Model	GMV-R28Zd/Na-K	GMV-R36Zd/Na-K	GMV-R50Zd/Na-K	Qty.
	Part Name	Part Code	Part Code	Part Code	
1	Rear Side Plate	01302013	01302013	01302013	1
2	Handle	26232001	26232001	26232001	4
3	Left Decoration Plate	261124152	261124152	261124152	1
4	Rear Side Plate of Air Outlet	0130201501	0130201501	0130201501	1
5	Louver	1051953202	1051953202	1051953202	1
6	Right Decoration Plate	261124162	261124162	261124162	1
7	Shaft of Louver II	10512026	10512026	10512026	2
8	Louver Support	24212019	24212019	24212019	2
9	Shaft of Louver I	10512025	10512025	10512025	1
10	Louver Fixer	24212018	24212018	24212018	1
11	Swing Louver	10512027	10512027	10512027	12
12	Connecting Lever	10582009	10582009	10582009	1
13	Connecting Lever	10582008	10582008	10582008	2
14	Right Swing Motor Fixer	26152006	26152006	26152006	1
15	Right Fixing Plate of Evaporator	01072411	01072411	01072411	1
16	Right Side Foam sub-assy	12312404	12312404	12312404	1
17	Right Fixing Plate	01332404	01332404	01332404	1
18	Right Decoration Panel	26112027	26112027	26112027	1
19	Pipe Clamp Plate	0107243701	0107243701	0107243701	1
20	Capacitor 1uF/500V	33010089	33010089	33010089	1
21	Transformer 57X25C	43110237	43110237	43110237	1
22	Electric Box	01402407	01402407	01402407	1
23	Main PCB Z6935	30226903	30226903	30226903	1
24	Terminal Board RS9413G	42011159	42011159	42011159	1
25	Wire Base	24253001	24253001	24253001	1
26	Wire Clamp	24253002	24253002	24253002	1
27	Cover of Electric Box	01412408	01412408	01412408	1
28	Pipe Clip	70812001	70812001	70812001	1
29	Drainage hose	2690320401	2690320401	2690320401	1
30	Display Board 5T52	30545654	30545654	30545654	1
31	Electric Box	20102138	20102138	20102138	1
32	Front Grill Clip 1	26252002	26252002	26252002	4
33	Filter	11122013	11122013	11122013	2
34	Front Grill	22412010	22412010	22412010	2
35	Front Grill Clip 2	26252003	26252003	26252003	4
36	Front Panel	01544106	01544106	01544106	1
37	Front Panel	01532001P	01532001P	01532001P	1
38	Water Tray Panel	01272205P	01272205P	01272205P	1
39	Motor Support	01709532	01709532	01709532	1
40	Left Decoration Panel	26112028	26112028	26112028	1

41	Left Fixing Plate	01332405	01332405	01332405	1
42	Left Side Plate Sub-Assy	01302138	01302138	01302138	1
43	Left Fixing Plate of Evaporator	01072410	01072410	01072410	1
44	Motor Clamp	26112026	26112026	26112026	4
45	Step Motor MP35CA	15212402	15212402	15212402	2
46	Left Swing Motor Fixer	26152005	26152005	26152005	1
47	Evaporator Assy	01024134	01024135	01024121	1
48	Water Lead Panel	01362001	01362001	01362001	1
49	Cover of Evaporator	01072409	01072409	01072409	1
50	Fixed Mount	01708763	01708763	01708763	1
51	Centrifugal Fan	10312401	10312401	10312401	2
52	Rear Snail Shell	22202032	22202032	22202032	2
53	Front Snail Shell	22202031	22202031	22202031	2
54	Bar Clasp	70819522	70819522	70819522	4
55	Hoop	70819521	70819521	70819521	1
56	Motor	15707302	15707302	157073024	1
57	Remote Controller	305125063	305125063	305125063	1
58	Signal Cable	400103953	400103953	400103953	1
59	Fix sub-assy	01324110P	01324110P	01324110P	1
60	EXV sub-assy	07334258	07334258	07334258	1
61	EXV SPF-16D70	07334191	07334191	07334191	1
62	Magnet Coil for EXV DPF-AS001A	430001087	430001087	430001087	1
63	Display Board Z63351F	30296309	30296309	30296309	1

(5) Exploded View of GMV(L)-R71Zd/Na-K, GMV(L)-R90Zd/Na-K,GMV(L)-R112Zd/Na-K,GMV(L)-R125Zd/Na-K.



● Parts List of GMV-R71Zd/Na-K for EM600N0030,GMV-R90Zd/Na-K for EM600N0040,GMV-R112Zd/Na-K for EM600N0050,GMV-R125Zd/Na-K for EM600N0020.

No.	Model	GMV-R71Zd/Na-K	GMV-R90Zd/Na-K	Qty.
	Part Name	Part Code	Part Code	
1	Left Decoration Plate	261124172	261124152	1
2	Shaft of Louver I	10512025	10512025	3
3	Swing Louver Fixer sub-assy	013324232	0133241802	1
4	Louver Support	24212020	24212019	4
5	Louver Fixer	24222016	24212018	3
6	Shaft of Louver II	105124042	10512026	2
7	Louver	10512026	105124082	1
8	Right Decoration Plate	261124212	261124162	1
9	Left Swing Motor Fixer	26152007	26152005	1
10	Front Panel	01532414	01532413	1
11	Display Box	20102138	20102138	1
12	Display Board 5T52	30545654	30545654	1
13	Front Panel	01544106	01544106	1
14	Right Swing Motor Fixer	26152008	26152006	1
15	Step Motor MP35CA	15212402	15212402	2
16	Motor Clamp	26112026	26112026	4
17	Water Tray	01272412	0127240802	1
18	Auxiliary Water Tray	01272413	01272409	1
19	Pipe Clip	70812001	70812001	1
20	Drainage Pipe	2690320401	2690320401	1
21	Handle	26232001	26232001	4

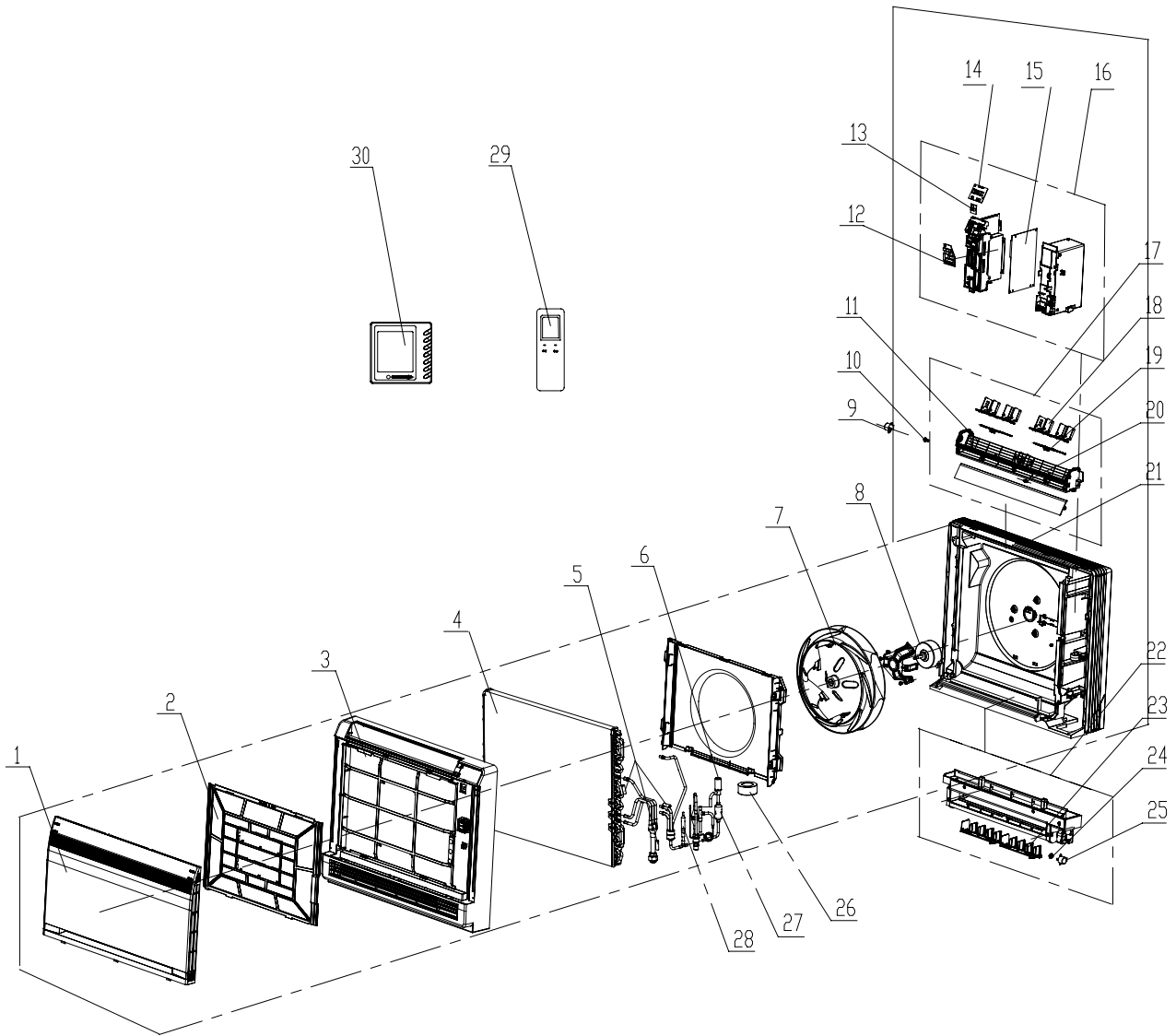
22	Right Side Foam sub-assy	12312407	12312404	1
23	Right Fixing Palte	01332404	01332404	1
24	Support of Motor Bearing	01792408	01792408	2
25	Fixer of Motor Support	01792409	01792407	1
26	Right Decoration Panel	26112033	26112027	1
27	Pipe Clamp	01072424	01072425	1
28	Electric Box	01402407	01402407	1
29	Wire Base	24253001	24253001	1
30	Wire Clamp	24253002	24253002	1
31	Terminal Board	42011159	42011159	1
32	Fuse 5A 250VAC	46010013	46010013	1
33	Main PCB Z6935	30226903	30226903	1
34	Ring of Bearing	76512404	76512404	2
35	Fan Bearing	76512210	76512210	1
36	Transformer 57×25C	43110237	43110237	1
37	Cover of Electric Box	01412408	01412408	1
38	Centrifugal Fan	10312401	10319051	4
39	Rotary Axis	73012401	73012402	2
40	Capacitor	33010027	33010064	1
41	Motor	15012406	15012405	1
42	Motor Fixer	01722409	01722410	1
43	Motor Clamp	01702405	01702405	2
44	Axes Connector	73012403	73012403	2
45	Motor Fixing Plate	01332426	01332425	1
46	Front Snail Shell	22202031	22202030	4
47	Rear Snail Shell	22202032	22202029	4
48	Rear Side Plate	01302429	01302431	1
49	Motor Support	01702410	01702411	1
50	Filter	11122012	11122013	1
51	Water Lead Plate	01362401	01362407	1
52	Front Grill	22412011	22412010	4
53	Front Grill Clip 2	26252003	26252003	8
54	Remote Controller	305125063	305125063	1
55	Evaporator Assy	26252002	01024122	1
56	Front Grill Clip 1	01024123	26252002	8
57	Cover of Evaporator	01072417	01072409	1
58	Left Decoration Panel	26112032	26112028	1
59	Left Fixing Plate	01332405	01332405	1
60	Left Side Foam sub-assy	12312406	12312403	1
61	Bearing Fixing Plate	01332407	01332406	1
62	Rear Side Plate of Air Outlet	01302405	01302416	1
63	Connecting Lever	10582008	10582008	2
64	Connecting Lever	10582009	10582009	4
65	Swing Louver	10512028	10512027	26
66	Signal Cable	400103953	400103953	1
67	Display Board Z63351F	07334255	30296309	1
68	EXV sub-assy	07334193	07334256	1
69	EXV VPF-25D*B3	430001087	07334195	1
70	Magnet Coil for EXV	01324110P	43000110	1
71	Fix sub-assy 2	30296309	01324110P	1

No.	Model	GMV-R112Zd/Na-K	GMV-R125Zd/Na-K	Qty.
	Part Name	Part Code	Part Code	
1	Left Decoration Plate	261124152	261124152	1
2	Shaft of Louver I	10512025	10512025	3
3	Swing Louver Fixer sub-assy	0133241802	0133241802	1
4	Louver Support	24212019	24212019	4
5	Louver Fixer	24212018	24212018	3
6	Shaft of Louver II	10512026	10512026	2
7	Louver	105124082	105124082	1
8	Right Decoration Plate	261124162	261124162	1
9	Left Swing Motor Fixer	26152005	26152005	1
10	Front Panel	01532413	01532413	1
11	Display Box	20102138	20102138	1
12	Display Board 5T52	30545654	30545654	1
13	Front Panel	01544106	01544106	1
14	Right Swing Motor Fixer	26152006	26152006	1
15	Step Motor MP35CA	15212402	15212402	2
16	Motor Clamp	26112026	26112026	4
17	Water Tray	0127240802	0127240802	1
18	Auxiliary Water Tray	01272409	01272409	1
19	Pipe Clip	70812001	70812001	1
20	Drainage Pipe	2690320401	2690320401	1
21	Handle	26232001	26232001	4
22	Right Side Foam sub-assy	12312404	12312404	1
23	Right Fixing Palte	01332404	01332404	1
24	Support of Motor Bearing	01792408	01792408	2
25	Fixer of Motor Support	01792407	01792407	1
26	Right Decoration Panel	26112027	26112027	1
27	Pipe Clamp	01072425	01072425	1
28	Electric Box	01402407	01402407	1
29	Wire Base	24253001	24253001	1
30	Wire Clamp	24253002	24253002	1
31	Terminal Board	42011159	42011159	1
32	Fuse 5A 250VAC	46010013	46010013	1
33	Main PCB Z6935	30226903	30226903	1
34	Ring of Bearing	76512404	76512404	2
35	Fan Bearing	76512210	76512210	1
36	Transformer 57×25C	43110237	43110237	1
37	Cover of Electric Box	01412408	01412408	1
38	Centrifugal Fan	10319051	10319051	4
39	Rotary Axis	73012402	73012402	2
40	Capacitor	33010056	33010056	1
41	Motor	15012404	15012404	1
42	Motor Fixer	01722410	01722410	1
43	Motor Clamp	01702405	01702405	2
44	Axes Connector	73012403	73012403	2
45	Motor Fixing Plate	01332425	01332425	1
46	Front Snail Shell	22202030	22202030	4
47	Rear Snail Shell	22202029	22202029	4
48	Rear Side Plate	01302431	01302431	1

49	Motor Support	01702411	01702411	1
50	Filter	11122013	11122013	1
51	Water Lead Plate	01362407	01362407	1
52	Front Grill	22412010	22412010	4
53	Front Grill Clip 2	26252003	26252003	8
54	Remote Controller	305125063	305125063	1
55	Evaporator Assy	01024122	01024122	1
56	Front Grill Clip 1	26252002	26252002	8
57	Cover of Evaporator	01072409	01072409	1
58	Left Decoration Panel	26112028	26112028	1
59	Left Fixing Plate	01332405	01332405	1
60	Left Side Foam sub-assy	12312403	12312403	1
61	Bearing Fixing Plate	01332406	01332406	1
62	Rear Side Plate of Air Outlet	01302416	01302416	1
63	Connecting Lever	10582008	10582008	2
64	Connecting Lever	10582009	10582009	4
65	Swing Louver	10512027	10512027	26
66	Signal Cable	400103953	400103953	1
67	Display Board Z63351F	30296309	30296309	1
68	EXV sub-assy	07334256	07334256	1
69	EXV VPF-25D*B3	07334195	07334195	1
70	Magnet Coil for EXV	43000110	43000110	1
71	Fix sub-assy 2	01324110P	01324110P	1

5.5 Floor And Wall Mounted Type

Exploded View of GMV-R28C/Na-K;GMV-R36C/Na-K;GMV-R50C/Na-K.

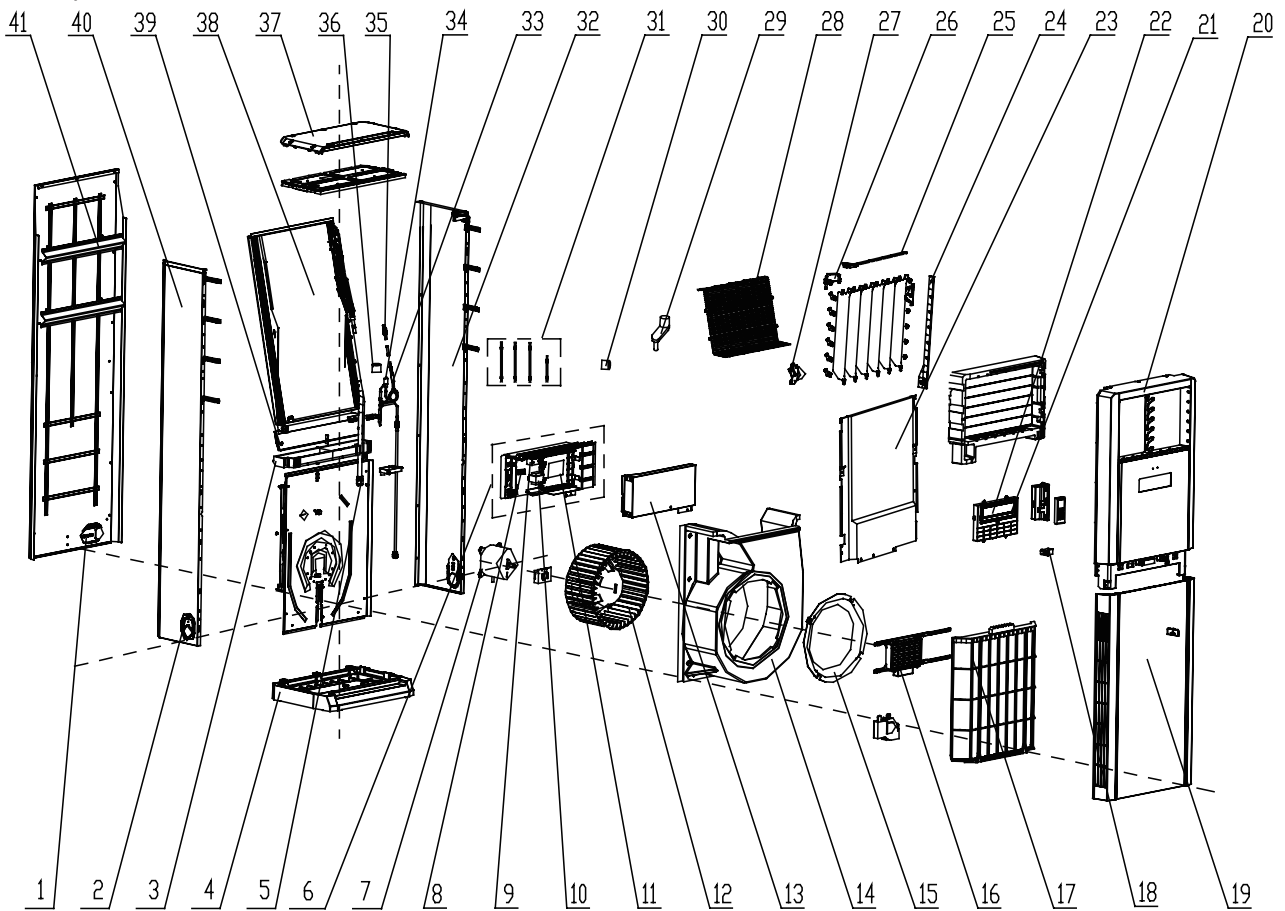


- Parts List of GMV-R28C/Na-K for CM400N0010,GMV-R36C/Na-K for CM400N0020,GMV-R50C/Na-K for CM400N0060.

Model		GMV-R28C/Na-K	GMV-R36C/Na-K	GMV-R50C/Na-K	Quantity
NO.	Name	Code			
1	Front Panel Assy	20012756	20012756	20012756	1
2	Filter Sub-Assy	11122119	11122119	11122119	1
3	Front Case Assy	20012601	20012601	20012601	1
4	Evaporator Assy	01024302	01024302	01024302	1
5	Sensor Sub-assy	39008075G	39008075G	39008075G	1
6	Electronic Expansion Valve	07334282	07334282	07334282	1
7	Centrifugal Fan	10312005	10312005	10312005	1
8	Fan Motor	15012123	15012123	15012123	1
9	Step Motor	1521210805	1521210805	1521210805	1
10	Crank	73012005	73012005	73012005	1
11	Rear Grill	01472024	01472024	01472024	1
12	Switch Board	30118018	30118018	30118018	1
13	Switch Board	30112007	30112007	30112007	1
14	Display Board	30568131	30568131	30568131	1
15	Main Board	30226268	30226268	30226268	1
16	Electric Box Assy	01395162	01395162	01395162	1
17	Swing Assy	10102042	10102042	10102042	1
18	Air Louver (upper)	10512143	10512143	10512143	2
19	Swing Lever	10582096	10582096	10582096	2
20	Shaft of Guide Louver	10542020	10542020	10542020	2
21	Rear Case assy	22202462	22202462	22202462	1
22	Water Tray Assy	20182141	20182141	20182141	1
23	Air Louver (lower)	10512144	10512144	10512144	2
24	Axis (lower step motor)	10542034	10542034	10542034	1
25	Step Motor	1521210101	1521210101	1521210101	1
26	Electric expand valve fitting	4304000102	4304000102	4304000102	1
27	StrainerA	07210022	07210022	07210022	1
28	One way Valve	07334200	07334200	07334200	1
29	Remote Controller	30510134	30510134	30510134	1
30	Display Board	30296309	30296309	30296309	1


5.6 Floor Standing Type

Exploded View of GMV-R71L/Na-K,GMV-R100L/Na-K,GMV-R140L/Na-K.



● Parts List of GMV-R71L/Na-K for CM300N0010,GMV-R100L/Na-K for CM300N0020,GMV-R140L/Na-K for CM300N0030.

NO.	Name	GMV-R71L/Na-K	GMV-R100L/Na-K	GMV-R140L/Na-K	Quantity
1	Rear Cover	2224422101	2224422101	2224422101	3
2	Baffle Plate	2611408801	2611408801	2611408801	3
3	Water Tray Sub-Assy	20184022	12314811	12314811	1
4	Chassis	22224021	22224020	22224020	1
5	Drainage Pipe Sub-assy	05235434	05235434	05235434	1
6	Electric Box Assy	01395128	02404120	02404121	1
7	Fan Motor	15014217	1501442405	1501442404	1
8	Terminal Board	42011106	42011106	42011106	1
9	Capacitor CBB61	33010012	33010037	33010037	1
10	Transformer	43110287	43110287	43110287	1
11	Main Board	30226345	30226345	30226345	1
12	Centrifugal fan	10314001	10314401	10314401	1
13	Electric Box Cover Sub-Assy	01404455	01404388	01404388	1
14	Propeller Housing Sub-assy	1210420101	12104058	12104058	1
15	Diversion Circle	10374003	10374435	10374435	1
16	Protective covering	/	01474027	01474027	1
17	Filter Sub-Assy	11124105	11124100	11124100	1
18	Latch	70811002	70810302	70810302	1
19	Air Intake panel Assy	20004524	20004536	20004536	1
20	Air Outlet Panel sub-assy	2000452103	2000453502	2000453502	1
21	Button	45034088D	45034088D	45034088D	1
22	Display Board	30296111	30296111	30296111	1
23	Air Guard Assy	01364183	01364509	01364174	1
24	Guide blade lever	10584088	10584089	10584089	1
25	Swing lever	10584218	10584218	10584218	1
26	Step Motor	1521400801	1521400801	1521400801	1
27	Step Motor	1521421102	1521421102	1521421102	1
28	Rear Grill	/	01474034	/	1
29	Crank 1	10564204	10564204	10564204	1
30	Magnetic Ring	49010104	49010104	49010104	1
31	Sensor sub-assy	39008067	39008067	39008067	1
32	Right Side Plate Sub-Assy	0130412903	0130430301	0130430301	1
33	One way Valve	07138788	7138788	07138788	1
34	Electronic Expansion Valve	07334284	07330001	07330001	1
35	Filter	07212001	07212001	07212001	2
36	Electric expand valve fitting	43040001	43040001	43040001	1
37	Top Cover Sub-Assy	22244106	22244152	22244152	1
38	Evaporator Assy	01024280	01024286	01024287	1
39	Breakwater Sub-Assy	26114118	01364154D	01364154D	1
40	Left Side Plate Sub-Assy	0130412803	0130430401	0130430401	1
41	Rear Plate Assy	01304134	01304290	01304290	1



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