



Service Manual

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI

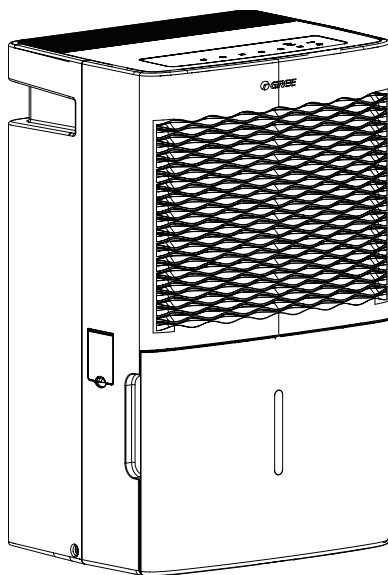
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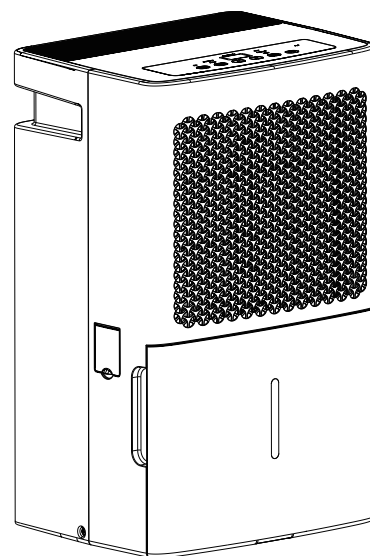
Part 1 : Technical Information

1.Summary

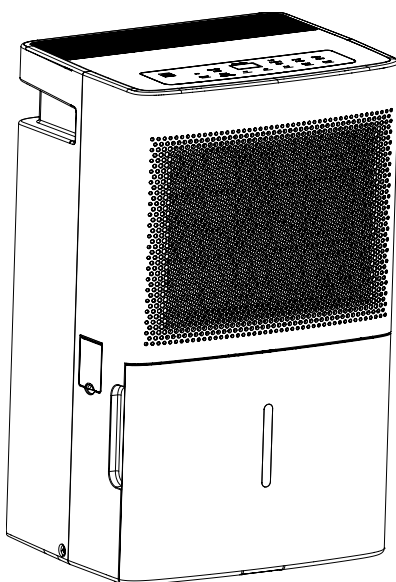
GDN20AZ-A3EBA2A
 GDN22AZ-A3EBA2A
 GDN30AZ-A3EBA2C
 GDN30BB-A3EBA2B
 GDN35AZ-A3EBA2A
 GDN45BA-A3EBA2A
 GDN45BA-A3EBA2B
 GDN50BA-A3EBA2B
 GDN50BB-A3EBA2A
 GDN70BA-A3EBA2C
 GDN70BA-A3EBA2D
 GDN35BB-A3EBA2A
 GDN50BA-A3EBA2D
 GDN50BA-A3EBA2E
 GDN50BA-A3EBA2F



GDN20AZ-A3EBA3A
 GDN22AZ-A3EBA3A
 GDN30BB-A3EBA3A
 GDN35AZ-A3EBA3A
 GDN35BB-A3EBA3A
 GDN45BA-A3EBA3A
 GDN45BA-A3EBA3B
 GDN50BA-A3EBA3A
 GDN50BA-A3EBA3B



GDN20AZ-A3EBA4A
 GDN22AZ-A3EBA4A
 GDN30BB-A3EBA4A
 GDN35AZ-A3EBA4A
 GDN45BA-A3EBA4A
 GDN45BA-A3EBA4B
 GDN50BA-A3EBA4A
 GDN35BB-A3EBA4A
 GDN50BA-A3EBA4B



Models List:

No.	Model	Product Code
1	GDN20AZ-A3EBA2A	CK051037000
2	GDN20AZ-A3EBA4A	CK051038200
3	GDN20AZ-A3EBA3A	CK051038300
4	GDN22AZ-A3EBA2A	CK051045300
5	GDN22AZ-A3EBA3A	CK051045600
6	GDN22AZ-A3EBA4A	CK051045500
7	GDN30BB-A3EBA3A	CK051038500
8	GDN30AZ-A3EBA2C	CK051032000
9	GDN30AZ-A3EBA2C	CK051032001
10	GDN35AZ-A3EBA2A	CK051045000
11	GDN35AZ-A3EBA3A	CK051045100
12	GDN35AZ-A3EBA4A	CK051044500
13	GDN30BB-A3EBA2B	CK051037100
14	GDN30BB-A3EBA4A	CK051038100
15	GDN35BB-A3EBA4A	CK051040200
16	GDN35BB-A3EBA2A	CK051039800
17	GDN35BB-A3EBA3A	CK051040000
18	GDN45BA-A3EBA2A	CK051037200
19	GDN45BA-A3EBA2B	CK051037300
20	GDN45BA-A3EBA4A	CK051038000
21	GDN45BA-A3EBA4B	CK051038600
22	GDN45BA-A3EBA3A	CK051038400
23	GDN45BA-A3EBA3B	CK051038700
24	GDN45BA-A3EBA2A	CK051037201
25	GDN50BB-A3EBA2A	CK051035900
26	GDN50BA-A3EBA2B	CK051031400
27	GDN50BA-A3EBA2B	CK051031401
28	GDN50BA-A3EBA4A	CK051040300
29	GDN50BA-A3EBA3A	CK051040100
30	GDN50BA-A3EBA2D	CK051039900
31	GDN50BA-A3EBA2E	CK051040700
32	GDN50BA-A3EBA2F	CK051041000
33	GDN50BA-A3EBA4B	CK051041100
34	GDN50BA-A3EBA3B	CK051040900
35	GDN70BA-A3EBA2C	CK051031500
36	GDN70BA-A3EBA2C	CK051031501
37	GDN70BA-A3EBA2D	CK051031600
38	GDN70BA-A3EBA2D	CK051031601
39	GDN70BA-A3EBA2D	CK051031602

2.Specifications

Model			GDN30AZ-A3EBA2C	GDN50BB-A3EBA2A
Product Code			CK051032000/CK051032001	CK051035900
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	30	50
Power Input		W	295	490
Current Input		A	2.7	4.4
Rated Current		A	3.4	5.3
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	106/94/82	159/141/118
Fan Motor Speed(H/M/L)		r/min	1250/1120/1030	1350/1220/1060
Fan Motor Power Output		W	11	20
Fan Motor RLA		A	0.33	0.46
Fan Motor Capacitor		μF	5	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ6 53/64X2 51/64	Φ7 3/8X2 13/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	48	50/48/46
Sound Power Level(H/M/L)		dB (A)	58	60/58/46
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHXD)		inch	13 25/64X19 31/64X9 27/32	13 11/16X21 7/8X10 5/8
Dimension of Carton Box(LXWXH)		inch	14 27/32X11 17/32X20 5/64	15 3/8X10 5/8X12 2/4
Dimension of Package(LXWXH)		inch	14 61/64X11 21/32X20 43/64	15 2/4X12 5/8X24 7/16
Application Area		yd ²	23.92	41.9
Net Weight		lb	32	39.7
Gross Weight		lb	34.2	18
Refrigerant			R410A	R410A
Refrigerant Charge		oz	0.155	7.05
Bucket Capacity		L	3.2/3.7	4.5/5.5
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	2-1/16	2-1.4
	Evaporator Coil Length (LXDXW)	inch	9 43/64X1X7 1/2	245X25.4X228.6
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ13/64	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 43/64X1 21/64X7 1/2	245X34.2X228.6
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		YZH-Q031AFY2D2T3	QXA-G050xW230
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	285	442
	Compressor Overload Protector		HPA-414	HPA-221
	Compressor LRA.	A	14	18
	Compressor RLA	A	2.60	4.0

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN50BA-A3EBA2B	GDN50BA-A3EBA2F
Product Code			CK051031400/CK051031401	CK051041000
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	50	49.81
Power Input		W	490	530
Current Input		A	4.3	4.8
Rated Current		A	5.2	7.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	206/185/280	215/179/165
Fan Motor Speed(H/M/L)		r/min	1160/1060/960	1250/1080/990
Fan Motor Power Output		W	25	30
Fan Motor RLA		A	0.69	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 19/64	Φ8X3 19/64
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	50/48/46	51/49/47
Sound Power Level(H/M/L)		dB (A)	60/58/56	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHXD)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	41.86	41.86
Net Weight		lb	45.2	43.7
Gross Weight		lb	49.6	47.4
Refrigerant			R410A	R410A
Refrigerant Charge		oz	8.11	8.11
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	2-1/16	3-1/16
	Evaporator Coil Length (LXDXW)	inch	10 21/64X1X9	10 X1 1/4X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ13/64	Φ13/64
	Condenser Rows-fin Gap	inch	3- 1/16	3- 1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 21/64X9	10 1/4X1 21/64X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		QXA-A050xL130A	YZG-V066FY2D2T6
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	425	555
	Compressor Overload Protector		HPA-121	HPA-430
	Compressor LRA.	A	21	30
	Compressor RLA	A	3.7	5.3

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN70BA-A3EBA2C GDN70BA-A3EBA2D
Product Code			CK051031500/CK051031501 CK051031600/CK051031601/CK051031602
Power Supply	Rated Voltage	V~	115
	Rated Frequency	Hz	60
	Phases		1
Rated Dehumidification Capacity		Pint/D	72
Power Input		W	710
Current Input		A	6.2
Rated Current		A	7.6
Set Humidity Range		%	35/80
Air Flow Volume(H/M/L)		CFM	206/185/165
Fan Motor Speed(H/M/L)		r/min	1160/1060/960
Fan Motor Power Output		W	25
Fan Motor RLA		A	0.69
Fan Motor Capacitor		μF	6
Fan Type			Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 19/64
Throttling Method			Capillary
Fuse Current		A	3.15
Sound Pressure Level(H/M/L)		dB (A)	52/50/48
Sound Power Level(H/M/L)		dB (A)	62/60/58
Climate Type			T1
Isolation			I
Moisture Protection			IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2
Dimension (WXHXD)		inch	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26
Application Area		yd ²	59.8
Net Weight		lb	47.4
Gross Weight		lb	51.8
Refrigerant			R410A
Refrigerant Charge		oz	9.17
Bucket Capacity		L	7/7.6
Control Type			Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32
	Evaporator Row-fin Gap	inch	2 - 1/16
	Evaporator Coil Length (LXDXW)	inch	10 21/64X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ13/64
	Condenser Rows-fin Gap	inch	3- 1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 21/64X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-A069xL130A
	Compressor Type		Rotary
	Compressor Power Input	W	695
	Compressor Overload Protector		UP3-A3
	Compressor LRA.	A	29
	Compressor RLA	A	6.1

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Model			GDN30BB-A3EBA2B	GDN30BB-A3EBA3A
Product Code			CK051037100	CK051038500
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	30.14	30.14
Power Input		W	315	315
Current Input		A	2.8	2.8
Rated Current		A	4.0	4.0
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	159/141/118	159/141/118
Fan Motor Speed(H/M/L)		r/min	1350/1220/1060	1350/1220/1060
Fan Motor Power Output		W	20	20
Fan Motor RLA		A	0.46	0.46
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ7 3/8X2 13/16	Φ7 3/8X2 13/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	50/48/46	50/48/46
Sound Power Level(H/M/L)		dB (A)	60/58/56	60/58/56
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDXD)		inch	13 11/16X21 7/8X10 5/8	13 11/16X21 7/8X10 5/8
Dimension of Carton Box(LXWXH)		inch	15 3/8X10 5/8X12 2/4	15 3/8X10 5/8X12 2/4
Dimension of Package(LXWXH)		inch	15 2/4X12 5/8X24 7/16	15 2/4X12 5/8X24 7/16
Application Area		yd ²	41.86	41.86
Net Weight		lb	36.4	37.5
Gross Weight		lb	39.7	40.8
Refrigerant			R410A	R410A
Refrigerant Charge		oz	6.17	6.17
Bucket Capacity		L	4.5/5.5	4.5/5.5
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	2-1/16	2-1/16
	Evaporator Coil Length (LXDXW)	inch	9 5/8X1X9	9 5/8X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 5/8X1 3/8X9	9 5/8X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-G042xW230	QXA-G042xW230
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	364	364
	Compressor Overload Protector		HPA-518	HPA-518
	Compressor LRA.	A	17	17
	Compressor RLA	A	3.2	3.2

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN45BA-A3EBA2A	GDN45BA-A3EBA2B
Product Code			CK051037200/CK051037201	CK051037300
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	45.12	45.12
Power Input		W	485	485
Current Input		A	4.5	4.5
Rated Current		A	6.2	6.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/156	215/179/156
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 5/16	Φ8X3 5/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHxD)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	38.27	38.27
Net Weight		lb	43	43.7
Gross Weight		lb	47.4	48.5
Refrigerant			R410A	R410A
Refrigerant Charge		oz	7.41	7.41
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ1/4	Φ1/4
	Evaporator Row-fin Gap	inch	2 - 3/64	2 - 3/64
	Evaporator Coil Length (LXDXW)	inch	10 1/4X1X9	10 1/4X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 3/8X9	10 1/4X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-A062xL130B	QXA-A062xL130B
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	515	515
	Compressor Overload Protector		HPA-322	HPA-322
	Compressor LRA.	A	25	25
	Compressor RLA	A	4.6	4.6

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN20AZ-A3EBA2A	GDN20AZ-A3EBA3A
Product Code			CK051037000	CK051038300
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	21.11	21.11
Power Input		W	250	250
Current Input		A	2.3	2.3
Rated Current		A	3.1	3.1
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	106/94/82	106/94/82
Fan Motor Speed(H/M/L)		r/min	1130/1000/920	1130/1000/920
Fan Motor Power Output		W	11	11
Fan Motor RLA		A	0.33	0.33
Fan Motor Capacitor		μF	5	5
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ6 7/8 x2 7/8	Φ6 7/8 x2 7/8
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	48/46/44	48/46/44
Sound Power Level(H/M/L)		dB (A)	58/56/54	58/56/54
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHXD)		inch	13 25/64X19 31/64X9 27/32	13 25/64X19 31/64X9 27/32
Dimension of Carton Box(LXWXH)		inch	14 27/32X11 17/32X20 5/64	14 27/32X11 17/32X20 5/64
Dimension of Package(LXWXH)		inch	14 61/64X11 21/32X20 43/64	14 61/64X11 21/32X20 43/64
Application Area		yd ²	16.74	16.74
Net Weight		lb	30.9	30.9
Gross Weight		lb	33.1	33.1
Refrigerant			R410A	R410A
Refrigerant Charge		oz	5.11	5.11
Bucket Capacity		L	3.2/3.7	3.2/3.7
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ1/4
	Evaporator Row-fin Gap	inch	1-1/16	1-1/16
	Evaporator Coil Length (LXDXW)	inch	9 5/8X1X7 1/2	9 5/8X1X7 1/2
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 5/8X1 3/8X7 1/2	9 5/8X1 3/8X7 1/2
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZH-Q031AFY2D2T3	YZH-Q031AFY2D2T3
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	285	285
	Compressor Overload Protector		HPA-414	HPA-414
	Compressor LRA.	A	14	14
	Compressor RLA	A	2.60	2.60

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN20AZ-A3EBA4A	GDN30BB-A3EBA4A
Product Code			CK051038200	CK051038100
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	21.11	30.14
Power Input		W	250	315
Current Input		A	2.3	2.8
Rated Current		A	3.1	4.0
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	106/94/82	159/141/118
Fan Motor Speed(H/M/L)		r/min	1130/1000/920	1350/1220/1060
Fan Motor Power Output		W	11	20
Fan Motor RLA		A	0.33	0.46
Fan Motor Capacitor		μF	5	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ6 7/8 x2 7/8	Φ7 3/8x2 13/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	48/46/44	50/48/46
Sound Power Level(H/M/L)		dB (A)	58/56/54	60/58/56
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDX)		inch	13 25/64X19 31/64X9 27/32	13 11/16X21 7/8X10 5/8
Dimension of Carton Box(LXWXH)		inch	14 27/32X11 17/32X20 5/64	15 3/8X10 5/8X12 2/4
Dimension of Package(LXWXH)		inch	14 61/64X11 21/32X20 43/64	15 2/4X12 5/8X24 7/16
Application Area		yd ²	16.74	41.86
Net Weight		lb	30.9	37.5
Gross Weight		lb	33.1	40.8
Refrigerant			R410A	R410A
Refrigerant Charge		oz	5.11	6.17
Bucket Capacity		L	3.2/3.7	4.5/5.5
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ1/4	Φ9/32
	Evaporator Row-fin Gap	inch	1-1/16	2-1/16
	Evaporator Coil Length (LXDXW)	inch	9 5/8X1X7 1/2	9 5/8X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ6/32
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 5/8X1 3/8X7 1/2	9 5/8X1 3/8X9
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		YZH-Q031AFY2D2T3	QXA-G042xW230
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	285	364
	Compressor Overload Protector		HPA-414	HPA-518
	Compressor LRA.	A	14	17
	Compressor RLA	A	2.60	3.2

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN45BA-A3EBA4A	GDN45BA-A3EBA4B
Product Code			CK051038000	CK051038600
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	45.12	45.12
Power Input		W	485	485
Current Input		A	4.5	4.5
Rated Current		A	6.2	6.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/156	215/179/156
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 5/16	Φ8X3 5/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDX)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	38.27	38.27
Net Weight		lb	43	44.5
Gross Weight		lb	47.4	48.5
Refrigerant			R410A	R410A
Refrigerant Charge		oz	7.41	7.41
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ1/4	Φ1/4
	Evaporator Row-fin Gap	inch	2 - 3/64	2 - 3/64
	Evaporator Coil Length (LXDXW)	inch	10 1/4X1X9	10 1/4X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 3/8X9	10 1/4X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-A062xL130B	QXA-A062xL130B
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	515	515
	Compressor Overload Protector		HPA-322	HPA-322
	Compressor LRA.	A	25	25
	Compressor RLA	A	4.6	4.6

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN45BA-A3EBA3A	GDN45BA-A3EBA3B
Product Code			CK051038400	CK051038700
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	45.12	45.12
Power Input		W	485	680
Current Input		A	4.5	4.5
Rated Current		A	6.2	6.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/156	215/179/156
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 5/16	Φ8X3 5/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDX)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	38.27	38.27
Net Weight		lb	43	44.5
Gross Weight		lb	47.4	48.5
Refrigerant			R410A	R410A
Refrigerant Charge		oz	7.41	7.41
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ1/4	Φ1/4
	Evaporator Row-fin Gap	inch	2 - 3/64	2 - 3/64
	Evaporator Coil Length (LXDXW)	inch	10 1/4X1X9	10 1/4X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 3/8X9	10 1/4X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		QXA-A062xL130B	QXA-A062xL130B
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	515	515
	Compressor Overload Protector		HPA-322	HPA-322
	Compressor LRA.	A	25	25
	Compressor RLA	A	4.6	4.6

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN35BB-A3EBA3A
Product Code			CK051040000
Power Supply	Rated Voltage	V~	115
	Rated Frequency	Hz	60
	Phases		1
Rated Dehumidification Capacity		Pint/D	35.47
Power Input		W	370
Current Input		A	3.4
Rated Current		A	4.8
Set Humidity Range		%	35/80
Air Flow Volume(H/M/L)		CFM	159/141/118
Fan Motor Speed(H/M/L)		r/min	1350/1220/1060
Fan Motor Power Output		W	20
Fan Motor RLA		A	0.46
Fan Motor Capacitor		μF	6
Fan Type			Centrifugal
Fan Diameter Length(DXL)		inch	Φ7 3/8X2 13/16
Throttling Method			Capillary
Fuse Current		A	3.15
Sound Pressure Level(H/M/L)		dB (A)	50/48/46
Sound Power Level(H/M/L)		dB (A)	60/58/56
Climate Type			T1
Isolation			I
Moisture Protection			IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2
Dimension (WXHDXD)		inch	13 11/16X21 7/8X10 5/8
Dimension of Carton Box(LXWXH)		inch	15 3/8X10 5/8X12 2/4
Dimension of Package(LXWXH)		inch	15 2/4X12 5/8X24 7/16
Application Area		yd ²	41.86
Net Weight		lb	37.5
Gross Weight		lb	40.8
Refrigerant			R410A
Refrigerant Charge		oz	6.53
Bucket Capacity		L	4.5/5.5
Control Type			Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ1/4
	Evaporator Row-fin Gap	inch	2- 1/16
	Evaporator Coil Length (LXDXW)	inch	9 5/8X1X9
Condenser	Condenser Form		Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 5/8X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		YZG-Q048BFY2D2
	Compressor Type		Rotary
	Compressor Power Input	W	405
	Compressor Overload Protector		HPA-419
	Compressor LRA.	A	21
	Compressor RLA	A	3.7

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN50BA-A3EBA3A	GDN50BA-A3EBA4A
Product Code			CK051040100	CK051040300
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	49.75	49.96
Power Input		W	530	530
Current Input		A	4.6	4.6
Rated Current		A	7.2	7.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/165	215/179/165
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 5/16	Φ8X3 5/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDXD)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	38.27	38.27
Net Weight		lb	43.7	43.7
Gross Weight		lb	47.4	47.4
Refrigerant			R410A	R410A
Refrigerant Charge		oz	8.99	8.99
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ1/4
	Evaporator Row-fin Gap	inch	3-1/16	3-1/16
	Evaporator Coil Length (LXDXW)	inch	10X1 1/4X9	10X1 1/4X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 3/8X9	10 1/4X1 3/8X9
Compressor	Compressor Manufacturer		ZHUHAI LANDA COMPRESSOR CO., LTD	ZHUHAI LANDA COMPRESSOR CO., LTD
	Compressor Model		YZG-A065FY2D2	YZG-A065FY2D2
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	555	555
	Compressor Overload Protector		HPA-530	HPA-530
	Compressor LRA.	A	28	28
	Compressor RLA	A	4.85	4.85

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN35BB-A3EBA2A	GDN35BB-A3EBA4A
Product Code			CK051039800	CK051040200
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	35.27	35.58
Power Input		W	370	370
Current Input		A	3.4	3.4
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	159/141/118	159/141/118
Fan Motor Speed(H/M/L)		r/min	1350/1220/1060	1350/1220/1060
Fan Motor Power Output		W	20	20
Fan Motor RLA		A	0.46	0.46
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ7 3/8X2 13/16	Φ7 3/8X2 13/16
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	50/48/46	50/48/46
Sound Power Level(H/M/L)		dB (A)	60/58/56	60/58/56
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHXD)		inch	13 45/64X21 55/64X10 5/8	13 45/64X21 55/64X10 5/8
Dimension of Carton Box(LXWXH)		inch	15 23/64X12 31/64X24 13/32	15 23/64X12 31/64X24 13/32
Dimension of Package(LXWXH)		inch	15 15/32X12 19/32X25	15 15/32X12 19/32X25
Application Area		yd ²	41.86	37.49
Net Weight		lb	36.4	40.79
Gross Weight		lb	39.7	39.7
Refrigerant			R410A	R410A
Refrigerant Charge		oz	6.53	6.53
Bucket Capacity		L	4.5/5.5	4.5/5.5
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	2-1/16	2-1/16
	Evaporator Coil Length (LXDXW)	inch	9 5/8×1×9	9 5/8×1×9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	9 5/8X1 3/8X9	9 5/8X1 3/8X9
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZG-Q048BFY2D2	YZG-Q048BFY2D2
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	405	405
	Compressor Overload Protector		HPA-419	HPA-419
	Compressor LRA.	A	21	21
	Compressor RLA	A	3.7	3.7

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN50BA-A3EBA2D	GDN50BA-A3EBA2E
Product Code			CK051039900	CK051040700
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	49.58	49.58
Power Input		W	530	530
Current Input		A	4.6	4.6
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/165	215/179/165
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 19/64	Φ8X3 19/64
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHDX)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	59.8	59.8
Net Weight		lb	43	44.5
Gross Weight		lb	47.4	48.5
Refrigerant			R410A	R410A
Refrigerant Charge		oz	8.99	8.99
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	3-1/16	3-1/16
	Evaporator Coil Length (LXDXW)	inch	10 1/1X1 1/2X9	10 1/1X1 1/2X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ3/16	Φ3/16
	Condenser Rows-fin Gap	inch	3-1/16	3-1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 3/8X9	10 1/4X1 3/8X9
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZG-A065FY2D2	YZG-A065FY2D2
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	555	555
	Compressor Overload Protector		HPA-530	HPA-530
	Compressor LRA	A	28	28
	Compressor RLA	A	4.85	4.85

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN50BA-A3EBA4B	GDN50BA-A3EBA3B
Product Code			CK051041100	CK051040900
Power Supply	Rated Voltage	V~	115	115
	Rated Frequency	Hz	60	60
	Phases		1	1
Rated Dehumidification Capacity		Pint/D	49.93	49.88
Power Input		W	530	530
Current Input		A	4.8	4.8
Rated Current		A	7.2	7.2
Set Humidity Range		%	35/80	35/80
Air Flow Volume(H/M/L)		CFM	215/179/165	215/179/165
Fan Motor Speed(H/M/L)		r/min	1250/1080/990	1250/1080/990
Fan Motor Power Output		W	30	30
Fan Motor RLA		A	0.72	0.72
Fan Motor Capacitor		μF	6	6
Fan Type			Centrifugal	Centrifugal
Fan Diameter Length(DXL)		inch	Φ8X3 19/64	Φ8X3 19/64
Throttling Method			Capillary	Capillary
Fuse Current		A	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	51/49/47	51/49/47
Sound Power Level(H/M/L)		dB (A)	61/59/57	61/59/57
Climate Type			T1	T1
Isolation			I	I
Moisture Protection			IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2
Dimension (WXHXD)		inch	14 3/4X24X11 3/8	14 3/4X24X11 3/8
Dimension of Carton Box(LXWXH)		inch	16 5/8X13 3/16X25 3/8	16 5/8X13 3/16X25 3/8
Dimension of Package(LXWXH)		inch	16 3/4X13 5/16X26	16 3/4X13 5/16X26
Application Area		yd ²	41.86	41.86
Net Weight		lb	43.7	43.7
Gross Weight		lb	47.4	47.4
Refrigerant			R410A	R410A
Refrigerant Charge		oz	8.11	8.11
Bucket Capacity		L	7/7.6	7/7.6
Control Type			Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	inch	Φ9/32	Φ9/32
	Evaporator Row-fin Gap	inch	3-1/16	3-1/16
	Evaporator Coil Length (LXDXW)	inch	10 X1 1/4X9	10 X1 1/4X9
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	inch	Φ13/64	Φ13/64
	Condenser Rows-fin Gap	inch	3- 1/16	3- 1/16
	Condenser Coil Length (LXDXW)	inch	10 1/4X1 21/64X9	10 1/4X1 21/64X9
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZG-V066FY2D2T6	YZG-V066FY2D2T6
	Compressor Type		Rotary	Rotary
	Compressor Power Input	W	555	555
	Compressor Overload Protector		HPA-430	HPA-430
	Compressor LRA.	A	30	30
	Compressor RLA	A	5.3	5.3

The above data is subject to change without notice; please refer to the nameplate of the unit.

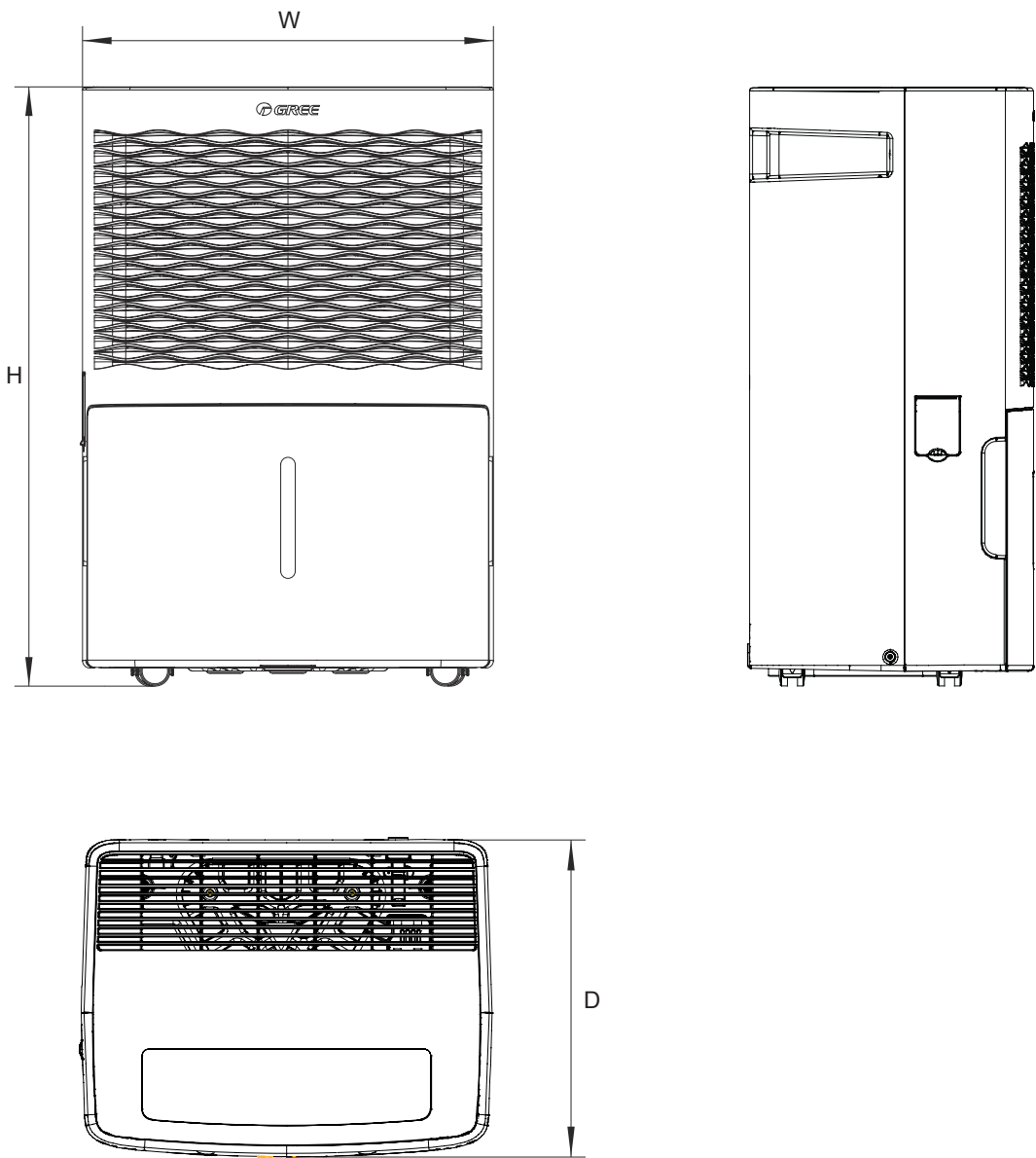
Model			GDN35AZ-A3EBA2A	GDN35AZ-A3EBA3A	GDN35AZ-A3EBA4A
Product Code			CK051045000	CK051045100	CK051044500
Power Supply	Rated Voltage	V~	115	115	115
	Rated Frequency	Hz	60	60	60
	Phases		1	1	1
Rated Dehumidification Capacity		Pint/D	35.02	35.08	35.11
Power Input		W	370	370	370
Current Input		A	3.5	3.5	3.5
Set Humidity Range		%	35/80	35/80	35/80
Air Flow Volume(H/M/L)		CFM	135/121/103	135/121/103	135/121/103
Fan Motor Speed(H/M/L)		r/min	1380/1260/1120	1380/1260/1120	1380/1260/1120
Fan Motor Power Output		W	20	20	20
Fan Motor RLA		A	0.46	0.46	0.46
Fan Motor Capacitor		μF	6	6	6
Fan Type			Centrifugal	Centrifugal	Centrifugal
Fan Diameter Length(DXL)		mm	Φ187.4X71	Φ187.4X71	Φ187.4X71
Throttling Method			Capillary	Capillary	Capillary
Fuse Current		A	3.15	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	52/50/48	52/50/48	52/50/48
Sound Power Level(H/M/L)		dB (A)	62/60/58	62/60/58	62/60/58
Climate Type			T1	T1	T1
Isolation			I	I	I
Moisture Protection			IPX0	IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2	2.2
Dimension (WXHXD)		inch	13 25/64X19 31/64X9 27/32	13 25/64X19 31/64X9 27/32	13 25/64X19 31/64X9 27/32
Dimension of Carton Box(LXWXH)		inch	14 27/32X11 17/32X20 5/64	14 27/32X11 17/32X20 5/64	14 27/32X11 17/32X20 5/64
Dimension of Package(LXWXH)		inch	14 61/64X11 21/32X20 43/64	14 61/64X11 21/32X20 43/64	14 61/64X11 21/32X20 43/64
Application Area		yd ²	41.86	41.86	41.86
Net Weight		lb	34.2	34.2	34.2
Gross Weight		lb	36.4	36.4	36.4
Refrigerant			R410A	R410A	R410A
Refrigerant Charge		oz	5.47	5.47	5.47
Bucket Capacity		L	3.2/3.7	3.2/3.7	3.2/3.7
Control Type			Electronic	Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7	Φ7	Φ7
	Evaporator Row-fin Gap	mm	3-1.3	3-1.3	3-1.3
	Evaporator Coil Length (LXDXW)	mm	245X38.1X190.5	245X38.1X190.5	245X38.1X190.5
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ5	Φ5	Φ5
	Condenser Rows-fin Gap	mm	3-1.3	3-1.3	3-1.3
	Condenser Coil Length (LXDXW)	mm	245X34.2X190.5	245X34.2X190.5	245X34.2X190.5
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZG-Q048BFY2D2	YZG-Q048BFY2D2	YZG-Q048BFY2D2
	Compressor Type		RB68EP	RB68EP	RB68EP
	Compressor Power Input	W	Rotary	Rotary	Rotary
	Compressor Overload Protector		HPA-419	HPA-419	HPA-419
	Compressor LRA.	A	21	21	21
	Compressor RLA	A	3.7	3.7	3.7

The above data is subject to change without notice; please refer to the nameplate of the unit.

Model			GDN22AZ-A3EBA2A	GDN22AZ-A3EBA3A	GDN22AZ-A3EBA4A
Product Code			CK051045300	CK051045600	CK051045500
Power Supply	Rated Voltage	V~	115	115	115
	Rated Frequency	Hz	60	60	60
	Phases		1	1	1
Rated Dehumidification Capacity		Pint/D	22.96	22.96	22.96
Power Input		W	255	255	255
Current Input		A	2.4	2.4	2.4
Set Humidity Range		%	35/80	35/80	35/80
Air Flow Volume(H/M/L)		CFM	106/94/82	106/94/82	106/94/82
Fan Motor Speed(H/M/L)		r/min	1130/1000/920	1130/1000/920	1130/1000/920
Fan Motor Power Output		W	11	11	11
Fan Motor RLA		A	0.33	0.33	0.33
Fan Motor Capacitor		μF	5	5	5
Fan Type			Centrifugal	Centrifugal	Centrifugal
Fan Diameter Length(DXL)		mm	Φ173.7X71.5	Φ173.7X71.5	Φ173.7X71.5
Throttling Method			Capillary	Capillary	Capillary
Fuse Current		A	3.15	3.15	3.15
Sound Pressure Level(H/M/L)		dB (A)	48/46/45	48/46/45	48/46/45
Sound Power Level(H/M/L)		dB (A)	58/56/55	58/56/55	58/56/55
Climate Type			T1	T1	T1
Isolation			I	I	I
Moisture Protection			IPX0	IPX0	IPX0
Permissible Excessive Operating Pressure for the Discharge Side		MPa	3.6	3.6	3.6
Permissible Excessive Operating Pressure for the Suction Side		MPa	2.2	2.2	2.2
Dimension (WXHXD)		inch	13 25/64X19 31/64X9 27/32	13 25/64X19 31/64X9 27/32	13 25/64X19 31/64X9 27/32
Dimension of Carton Box(LXWXH)		inch	14 27/32X11 17/32X20 5/64	14 27/32X11 17/32X20 5/64	14 27/32X11 17/32X20 5/64
Dimension of Package(LXWXH)		inch	14 61/64X11 21/32X20 43/64	14 61/64X11 21/32X20 43/64	14 61/64X11 21/32X20 43/64
Application Area		yd ²	43.06~50.23	43.06~50.23	43.06~50.23
Net Weight		lb	30.9	30.9	30.9
Gross Weight		lb	33.1	33.1	33.1
Refrigerant			R410A	R410A	R410A
Refrigerant Charge		oz	4.76	4.76	4.76
Bucket Capacity		L	3.2/3.7	3.2/3.7	3.2/3.7
Control Type			Electronic	Electronic	Electronic
Evaporator	Evaporator Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Evaporator Pipe Diameter	mm	Φ7	Φ7	Φ7
	Evaporator Row-fin Gap	mm	2-1.4	2-1.4	2-1.4
	Evaporator Coil Length (LXDXW)	mm	245X25.4X190.5	245X25.4X190.5	245X25.4X190.5
Condenser	Condenser Form		Aluminum Fin-copper Tube	Aluminum Fin-copper Tube	Aluminum Fin-copper Tube
	Condenser Pipe Diameter	mm	Φ5	Φ5	Φ5
	Condenser Rows-fin Gap	mm	3-1.3	3-1.3	3-1.3
	Condenser Coil Length (LXDXW)	mm	245X34.2X190.5	245X34.2X190.5	245X34.2X190.5
Compressor	Compressor Manufacturer		Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.	Xi'an Qing'an Refrigeration Equipment Co., Ltd.
	Compressor Model		YZH-Q031AFY2D2T3	YZH-Q031AFY2D2T3	YZH-Q031AFY2D2T3
	Compressor Type		Rotary	Rotary	Rotary
	Compressor Power Input	W	285	285	285
	Compressor Overload Protector		HPA-414	HPA-414	HPA-414
	Compressor LRA.	A	14	14	14
	Compressor RLA	A	2.60	2.60	2.60

The above data is subject to change without notice; please refer to the nameplate of the unit.

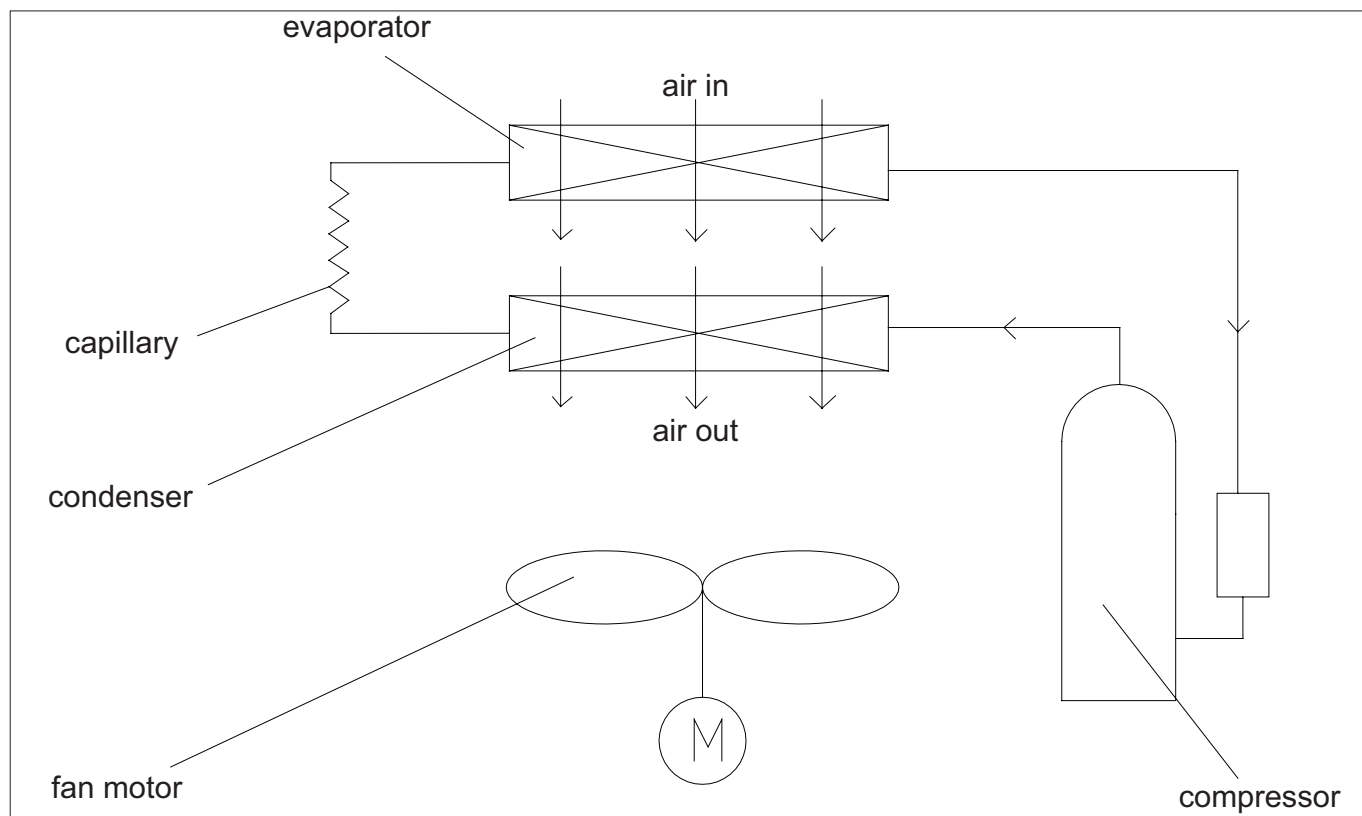
3.Outline Dimension Diagram



Unit:inch

Model	W	H	D
20/22/30P(AZ)	13 25/64	19 31/64	9 27/32
30/50P(BB)	13 11/16	21 7/8	10 5/8
45/50/70P(BA)	14 3/4	24	11 3/8

4.Refrigerant System Diagram



Dehumidifying principle of dehumidifier:

When temperature is decreased to the temperature point of dew, water vapor in humid air will condensate. Dehumidifier is dehumidifying the air by using this principle.

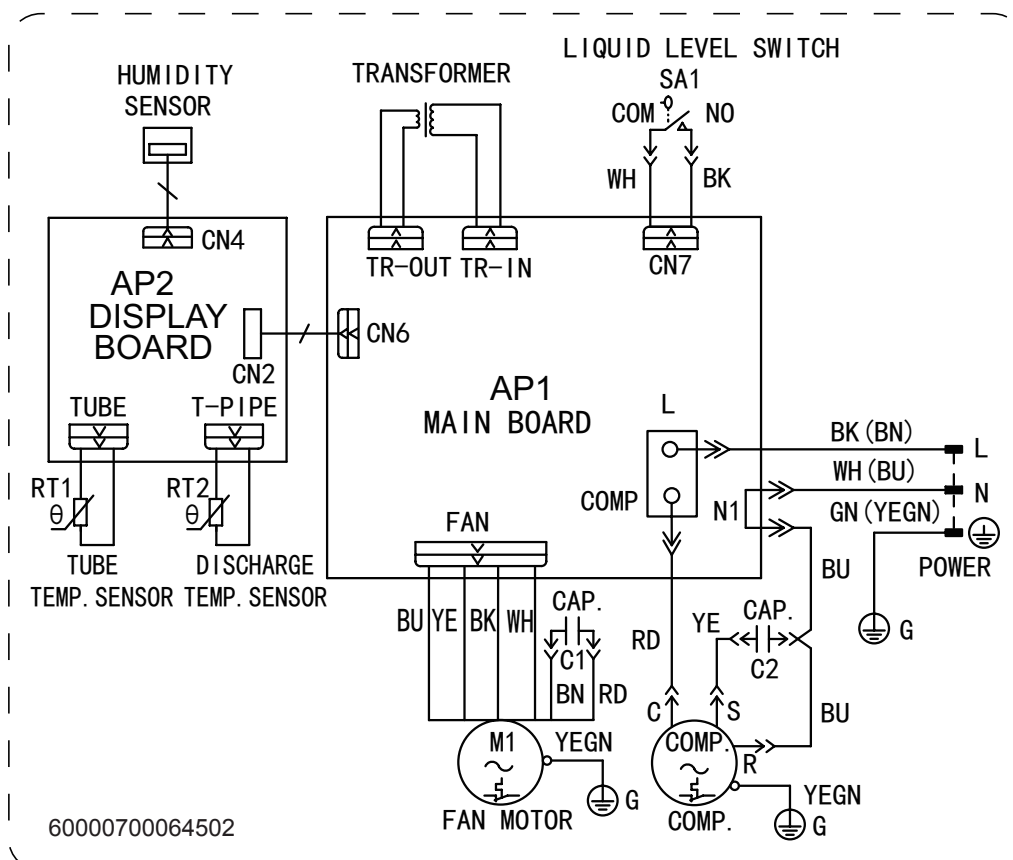
During operation of the system, air will pass through evaporator and condenser in turn and then be discharged due to centrifugal blade. When the air is passing through evaporator, refrigerant will absorb the heat in air to let its temperature decrease to the temperature point of dew, water vapor in air will condensate. Condensate water comes into water tank through water tray, or is discharged directly through drainage hose. The saturated low-temperature air passed through the evaporator will absorb the heat when flowing along the condenser, and then become the dry air. Under normal condition, the nearby air will become warm during operation of dehumidifier.

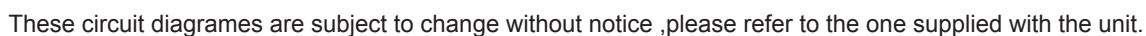
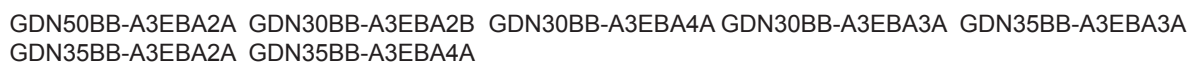
5.1 Wiring Diagram

- **Instruction**

Symbol	Symbol Color	Symbol	Symbol Color	Symbol	Name
WH	White	GN	Green	COMP	Compressor
YE	Yellow	BN	Brown		Grounding wire
RD	Red	BU	Blue	/	/
YEGN	Yellow/Green	BK	Black	/	/
VT	Violet	OG	Orange	/	/

GDN50BA-A3EBA2B	GDN70BA-A3EBA2C	GDN30AZ-A3EBA2C	GDN45BA-A3EBA2A	GDN20AZ-A3EBA2A
GDN20AZ-A3EBA4A	GDN45BA-A3EBA4A	GDN20AZ-A3EBA3A	GDN45BA-A3EBA3A	GDN50BA-A3EBA4A
GDN50BA-A3EBA3A	GDN50BA-A3EBA2D	GDN35AZ-A3EBA2A	GDN35AZ-A3EBA3A	GDN35AZ-A3EBA4A
GDN22AZ-A3EBA2A	GDN22AZ-A3EBA3A	GDN22AZ-A3EBA4A		

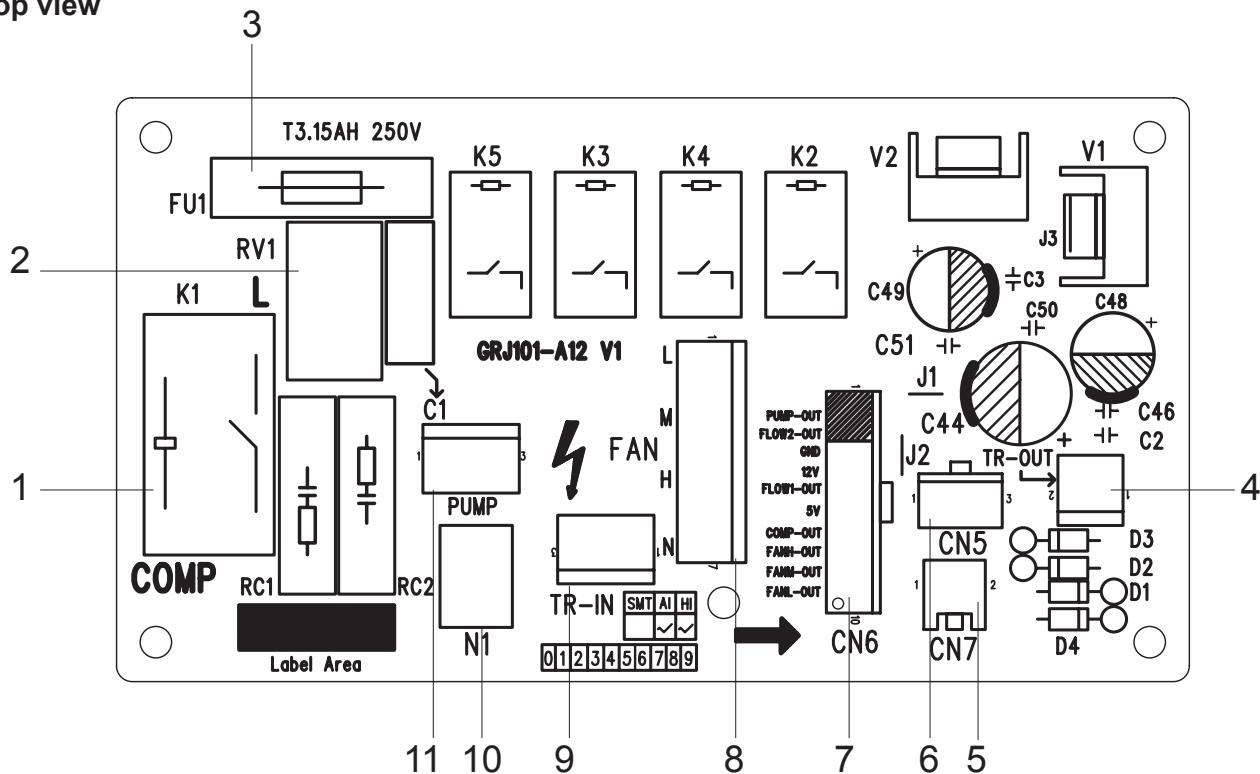




5.2 PCB Printed Diagram

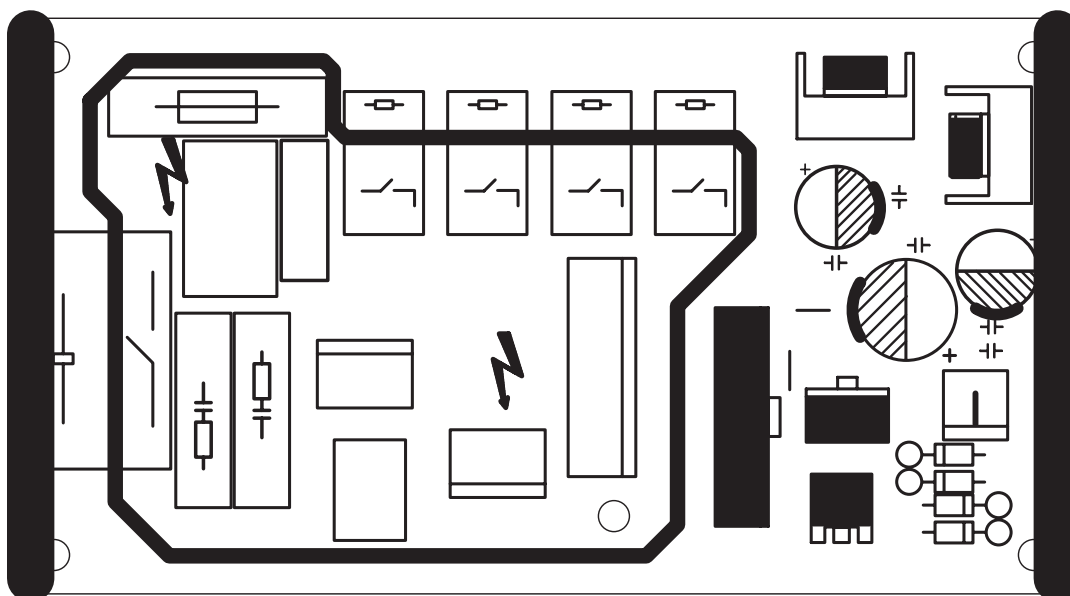
Silk Screen on Main Board

• Top view



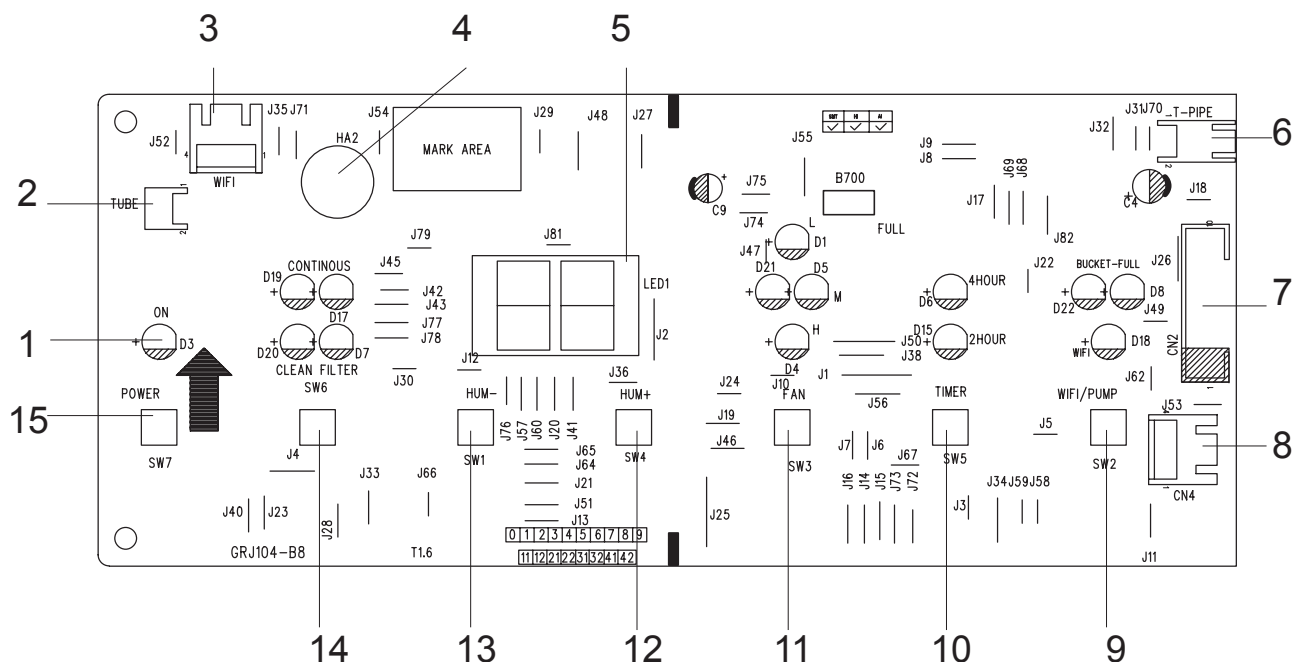
1	copressor Relay	2	Varistor	3	Fuse
4	Interface of transformer output	5	Interface of water level switch of big water bank	6	Interface of water level switch of small water bank
7	Interface of display board	8	Interface of fan motor	9	Interface of transformer input
10	Interface of neutral wire	11	Interface of water pump	/	/

• Bottom view



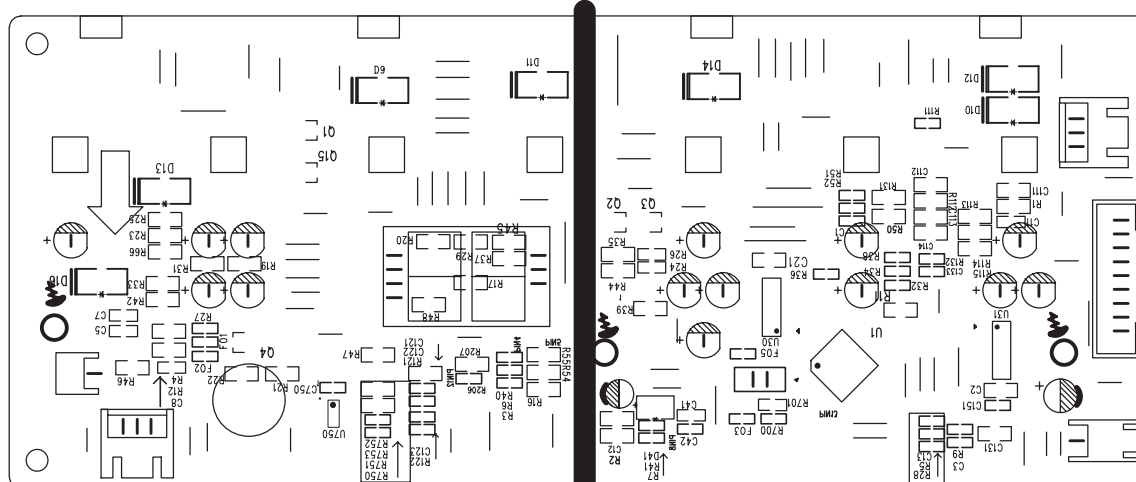
Silk Screen on Display Board

• Top view



1	The white luminous diode	2	Needle stand of tube temperature sensor	3	needle stand of wifi board
4	buzzer	5	dual-8 digital display tube	6	Need stand of pipe temperature sensor
7	Connection wire of main board	8	Needle stand of humidity and ambient temperature sensor	9	wifi/pump button
10	Timer button	11	FAN speed button	12	Humidity "+" button
13	Humidity "-" button	14	Mode button	15	ON/OFF button

• Bottom view

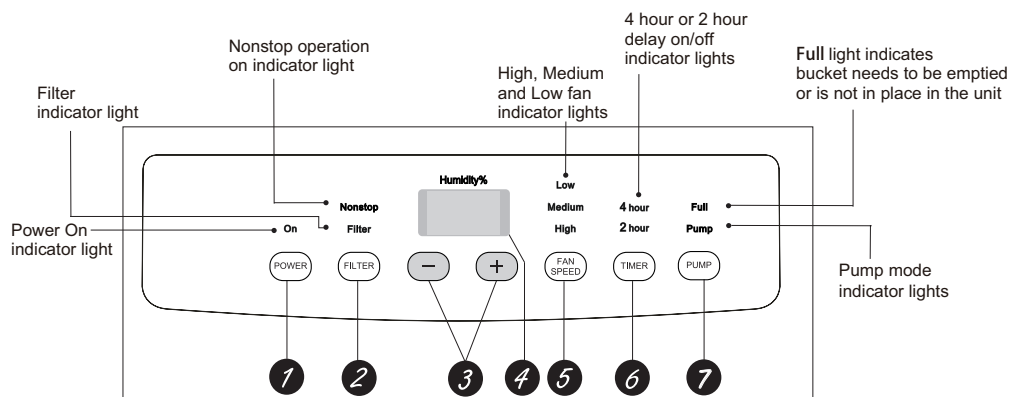


6.Function and Control

6.1 Control Panel Instruction

GDN70BA-A3EBA2D GDN45BA-A3EBA2B GDN45BA-A3EBA4B GDN35BB-A3EBA2A GDN50BA-A3EBA2E
GDN50BA-A3EBA2F GDN50BA-A3EBA4B GDN50BA-A3EBA3B

Operation Method



NOTICE:

Water bucket must be correctly installed for the dehumidifier to operate.

Do not remove the bucket while unit is in operation.

If you want to use drain hose to drain water away, please install the hose according to section "Drainage option".

Each time pressing the effective button on the control panel will give out a "beep" sound.

When power is connected, power indicator on the control panel will be on and dehumidifier gives out a "beep" sound simultaneously.

Basic Functions of the Buttons

1.POWER Button

Press to turn the dehumidifier on and off.

2.FILTER Button

After 250 hours of operation, the Filter indicator light will glow to remind you to clean the filter. Remove the filter and clean it.

Press to reset to turn off the Filter light. See the Clean and Maintenance.

3.-/+ Button

The humidity level can be set within a range of 80% RH (Relative Humidity) to 35% RH (Relative Humidity) in 5% reduce or at continuous operation.

NOTE: If Nonstop is selected, the dehumidifier will operate continuously at its maximum dehumidification settings if attached to a hose to drain or until the bucket is full. For drier air, press the - pad and set to a lower percent value (%).

For damper air, press the + pad and set to a higher percent value (%).

When you first use the dehumidifier, set the humidity control to 45% or 50%. Allow at least 24 hours for the dehumidifier to achieve the humidity level.

If you still have damper air than desired, set the humidity level to a lower setting or select Continuous for maximum dehumidification.

4.Display

Shows the set % humidity level while setting, then shows the actual ($\pm 5\%$ accuracy) room % humidity level.

5.FAN SPEED Button

Controls the fan speed.

Press to select either High, Medium or Low fan speed.

Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Medium or Low.

6.TIMER Button

While the dehumidifier is in operation, press this pad to set it to automatically turn off in 2 hours or 4 hours. While the dehumidifier is off, press this pad to set it to automatically turn on in 2 hours or 4 hours.

7.PUMP Button

Hold on pressing this button for 3s and then the unit will enter water pump mode. Pump Mode Indicator will be on. When the water tank is full of water, the pump will start operation and pump away the water. The pump will pump water automatically and then stop automatically.

Attention: Pump drain hose must be well connected for this mode.

Other Instructions

1.Full Light

Glow when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

2.Alarm

If the bucket is full or missing for more than three minutes, an alarm will sound for about 10 seconds to remind you to empty and replace the bucket.

3.Auto Shut Off

The Water Level Control Switch shuts off the dehumidifier when the bucket is full, or when the bucket is removed or not replaced in the proper position.

4.Auto Defrost

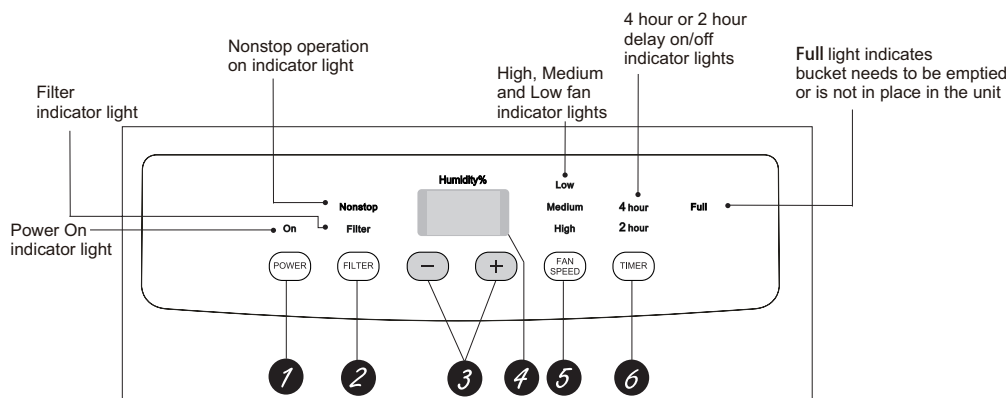
When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

5.Power Outage

In the case of a power outage or interruption, the unit will automatically restart, in the settings last used, after the power is restored.

GDN50BA-A3EBA2B GDN70BA-A3EBA2C GDN30AZ-A3EBA2C GDN50BB-A3EBA2A GDN30BB-A3EBA2B
 GDN45BA-A3EBA2A GDN20AZ-A3EBA2A GDN20AZ-A3EBA4A GDN30BB-A3EBA4A GDN45BA-A3EBA4A
 GDN20AZ-A3EBA3A GDN30BB-A3EBA3A GDN45BA-A3EBA3A GDN45BA-A3EBA3B GDN50BA-A3EBA3A
 GDN50BA-A3EBA4A GDN35BB-A3EBA3A GDN50BA-A3EBA2D GDN35AZ-A3EBA2A GDN35AZ-A3EBA3A
 GDN35AZ-A3EBA4A GDN22AZ-A3EBA2A GDN22AZ-A3EBA3A GDN22AZ-A3EBA4A

Operation Method



NOTICE:

Water bucket must be correctly installed for the dehumidifier to operate.

Do not remove the bucket while unit is in operation.

If you want to use drain hose to drain water away, please install the hose according to section "Drainage option".

Each time pressing the effective button on the control panel will give out a "beep" sound.

When power is connected, power indicator on the control panel will be on and dehumidifier gives out a "beep" sound simultaneously.

Basic Functions of the Buttons

1. POWER Button

Press to turn the dehumidifier on and off.

2. FILTER Button

After 250 hours of operation, the **Filter** indicator light will glow to remind you to clean the filter. Remove the filter and clean it.

Press to reset to turn off the Filter light. See the Clean and Maintenance.

3. +/- Button

The humidity level can be set within a range of 80% RH (Relative Humidity) to 35% RH (Relative Humidity) in 5% reduce or at continuous operation. To set the unit for continuous operation, press the - pad until the screen reads NS.

NOTE: If **Nonstop** is selected, the dehumidifier will operate continuously at its maximum dehumidification settings if attached to a hose to drain or until the bucket is full. For drier air, press the - pad and set to a lower percent value (%).

For damper air, press the + pad and set to a higher percent value (%).

When you first use the dehumidifier, set the humidity control to 45% or 50%. Allow at least 24 hours for the dehumidifier to achieve the humidity level. If you still have damper air than desired, set the humidity level to a lower setting or select Continuous for maximum dehumidification.

4. Display

Shows the set % humidity level while setting, then shows the actual ($\pm 5\%$ accuracy) room % humidity level.

5. FAN Speed Button

Controls the fan speed.

Press to select either High, Medium or Low fan speed.

Set the fan control to High for maximum moisture removal. When the humidity has been reduced and quiet operation is preferred, set the fan control to Medium or Low.

6. TIMER Button

While the dehumidifier is in operation, press this pad to set it to automatically turn off in 2 hours or 4 hours. While the dehumidifier is off, press this pad to set it to automatically turn on in 2 hours or 4 hours.

Other Instructions

1. Full Light

Glow when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

2. Alarm

If the bucket is full or missing for more than three minutes, an alarm will sound for about 10 seconds to remind you to empty and replace the bucket.

3.Auto Shut Off

The Water Level Control Switch shuts off the dehumidifier when the bucket is full, or when the bucket is removed or not replaced in the proper position.

4.Auto Defrost

When frost builds up on the evaporator coils,the compressor will cycle off and the fan will continue to run until the frost disappears.

5.Power Outage

In the case of a power outage or interruption,the unit will automatically restart,in the settings last used, after the power is restored.

6.2 Introduction of Basic Mode Function

1. Basic control function: drying

- 1) Dry conditions and process: under operation status,
 - a. When $\text{set humidity} \leq \text{ambient humidity} - 5\%$, compressor and fan will operate.
 - b. When $\text{set humidity} \geq \text{ambient humidity} + 5\%$, compressor stop operation and fan will stop operation after 3min.
 - c. When $\text{ambient humidity} - 5\% < \text{set humidity} < \text{ambient humidity} + 5\%$, when compressor is operating, and it will operation with condition a; when compressor stops operation, it will operate with condition b. If it's under this condition when the unit is turned on, the compressor is at off status and fan will stop operation after 3min delay.

2) Humidity Range

- a. 5% is one step, it can be adjusted continuously from NS, 35%-80% (NS stands for dehumidify continuously).
- b. Adjust set humidity by “+” and “-” buttons.

2. Protection Function

(1) Working temperature range

- a. Detect the unit after energization, when $2^{\circ}\text{C} (36^{\circ}\text{F}) \leq \text{Tamb.} \leq 45^{\circ}\text{C} (113^{\circ}\text{F})$, the unit operates normally; when $\text{Tamb.} < 2^{\circ}\text{C} (36^{\circ}\text{F})$ or $\text{Tamb.} > 45^{\circ}\text{C} (113^{\circ}\text{F})$, the compressor stops, and the fan will operates with the detected temperature humidity;
- b. During operation, when $\text{Tamb.} < 2^{\circ}\text{C} (36^{\circ}\text{F})$ or $\text{Tamb.} > 45^{\circ}\text{C} (113^{\circ}\text{F})$, the compressor stops, and the fan will operates with the detected temperature humidity; when $2^{\circ}\text{C} (36^{\circ}\text{F}) \leq \text{Tamb.} \leq 45^{\circ}\text{C} (113^{\circ}\text{F})$, the compressor will be started up.

(2) Compressor Protection

- a. After energization, under any situation and after compressor stops, it will restart 3min delay at least.
- b. Under operation state except there's malfunction of temperature sensor, when turn off unit by on/off button, water-blow protection, or after compress or starts up, the compressor will stop operation after it operates for 3min at least.

(3) Detection for temperature sensor malfunction (Temperature sensor malfunction is $\text{AD value} \leq 5$ or $250 \leq \text{AD value}$)

- a. When the unit is energized, it is detected that the ambient temperature sensor is open or short circuit for 5s, compressor and fan stop operation. LED indicator is off, buttons are invalid, and the nixie tube displays “F1”.
- b. It is detected that the tube temperature sensor is open or short circuit for 5s, compressor and fan stop operation. LED indicator is off, buttons are invalid, and the nixie tube displays “F2”.
- c. If these two temperature sensor malfunction are detected, nixie tube will display “F1” and “F2” in turn to remind customer of repairing.

(4) Water overflow protection (off switch)

- a. Under operation status, if there's water overflow protection or the water tank hasn't been installed well, compressor stop operation and the fan also stop operation after the fan operates continuously for 3min. If water blow protection occurred for 3min, the buzzer will stop after it gives out a beep for 10s. Indicator of water overflow blinks and all the buttons are invalid except on/off button. When the water level or assembly of water tank resume to normal, signal of water overflow protection will cancelled. Indicator is off, buzzer stops to give out a beep and the fan resumes to normal operation state. Compressor resumes to operation normally after 3mins.
- b. When the unit is off, water overflow protection is occurred, water blow indicator blinks, compressor and fan stop operation, and all the buttons are invalid except on/off buttons. When the unit is on, water blow indicator blinks continuously, buzzer will not give out a beep, compressor and fan stop operation.

3. Other Functions

(1) Power-off memory

Upon power failure, the unit will automatically start to operate according to memory content after power recovery.

(2) Nixie tube display

- a. During operation of the unit, it will display current humidity. Set humidity will be adjusted by “+” or “-” button. It will resume to display current humidity after set humidity has been set for 5s.

- b. Under any situation and there's malfunction for temperature sensor, nixie tube displays "F2". Timer indicator, Nonstop indicator, fan speed indicator and filter indicator will not display.

(3) Front panel button

On/off button : turn on/off the unit

Timer button: use for timer setting

"+"button : Adjust humidity

"-"button: Adjust humidity

Fan speed button: adjust fan speed

Filter button: adjust filter function

(4) LED indicator

Nonstop indicator: when continuous humidity is set, "Nonstop" indicator is on, and the nixie tube displays "NS";

Power indicator: When the unit is energized, it is on after Press the POWER button to turn the dehumidifier on

2H timer indicator: the indicator is on after setting 2H timer;

4H timer indicator: the indicator is on after setting 4H timer;

High fan speed indicator: the indicator is on after the fan is set at high fan speed;

Middle fan speed indicator: the indicator is on after the fan is set at middle fan speed;

Low fan speed indicator: the indicator is on after the fan is set at low fan speed;

Filter cleaning indicator: the indicator is on when the operation time of fan reaches to 250h totally.

Water overflow protection indicator: the indicator blinks if water overflow protection is occurred.

(5) Timer control

2h or 4h timer can be set. Timer off can be set under on status, Timer on can be set under off status; the buzzer will not give out a beep after timer setting reaches. Timer time is recorded every 30min by memory function (read-in memory core).

(6) Buzzer

When the controller is energized or receives any command or signal from the buttons or the remote controller, the buzzer will give out a beep.

(7) Filter alarming function

a. After the fan operates for 250h totally, the filter indicator is on for reminding customer to clean filter.

b. When the unit is off, the filter indicator is off; the filter time can not be cleared when the unit is off.

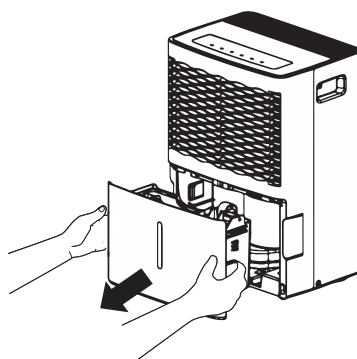
6.3 Drainage Option

NOTICE:

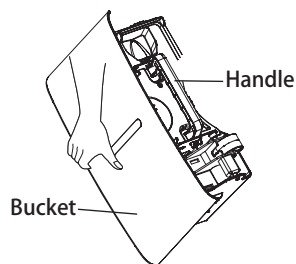
- Do not remove the bucket when unit is in operation or has just stopped. Otherwise it may cause some water to drip on the floor .
- Do not use the hose if using water bucket to collect water. When the hose is connected, water will be drained out through it instead of into the bucket.

Option 1 Emptying Manually

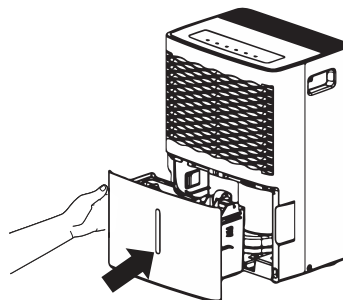
1. Hold the handles on both sides of the water bucket and pull it out following the arrow direction. (Attention: Pull out the bucket carefully in case the water may spill out from the bucket and onto the floor.)



2. Empty the bucket by grasping the handle on the top of bucket with one hand and grasping the bottom of bucket with the other hand.



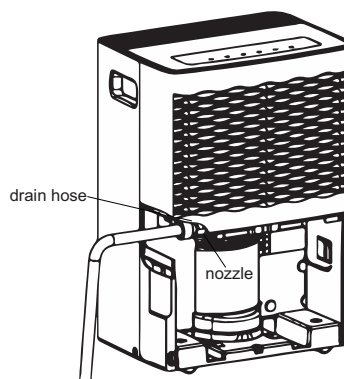
3. Replace bucket in the dehumidifier according to the arrow direction.



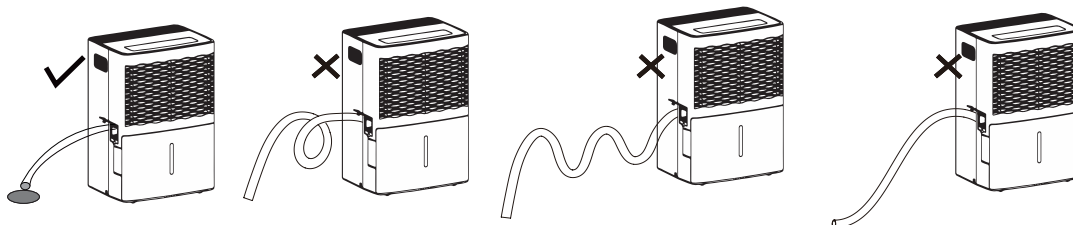
Note: Actual product may be different from above graphics, please refer to actual product.

Option 2 Gravity Drain Hose

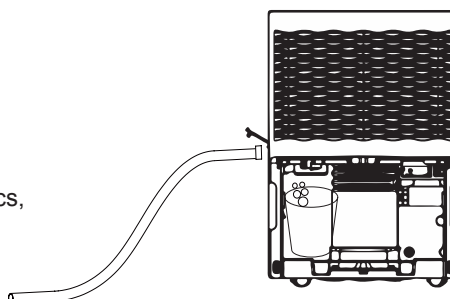
1. Hose is not provided, so user shall prepare it in advance.
[Size: The hose thread should have an outer diameter of 11/16 inches (1.0625 inches or 27.0mm), and a pitch of 11.5 TPI.]
2. Remove bucket from the unit as instructed.
3. Thread the drain hose onto the nozzle and make sure it's securely locked.



4. Replace the bucket. Make sure the drain hose goes through the bucket's drain hole and is placed downward. Lead the hose to the floor drain and then cove the hole with a lid. Note that drain hose should not be pressed, otherwise water can not be drained out.



NOTICE :When you want to take off the drain house,prepare a receptacle to collect water from the nozzle.



Note: Actual product may be different from above graphics, please refer to actual product.

Clean and Maintenance

Warning

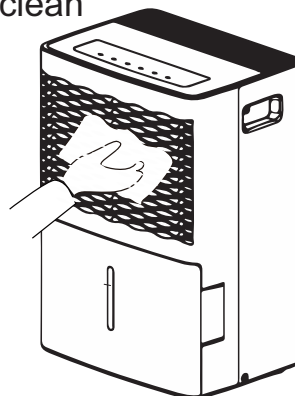
- Before cleaning, turn off the dehumidifier and disconnect power. Otherwise it may lead to electric shock.
- Do not wash the dehumidifier with water, or it may lead to electric shock.
- Do not use volatile liquid (such as thinner or gasoline) to clean dehumidifier. Otherwise it will damage unit's appearance.

1. Grille and Case

To clean the case:

When there is dust on the case, use soft towel to dust it off; When the case is very dirty (greasy), use mild detergent to clean it.

To clean the grille: Use a dust catcher or brush.



2. Water Bucket

Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Use soft brush to clean the bucket and then rinse it.

To remove:

(1) Direct the rotor shaft of handle to the hole of buckle plate. Pull the bucket plate at the handle side by following the arrow direction. Remove the handle. (shown in Fig.1a, Fig.1b, Fig.1c)

(2) Press down all buckles around the water bucket. Lift up the drain lid. (shown in Fig.2a, Fig.2b, Fig.2c)

Note: 5 clasps marked with line on the right figure.

45/50/70 (BA)

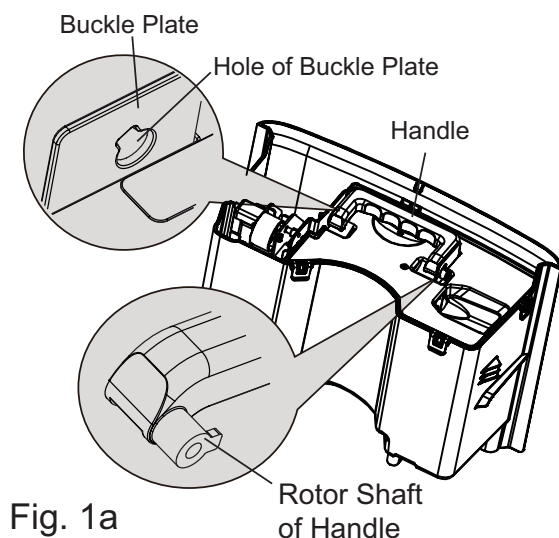


Fig. 1a

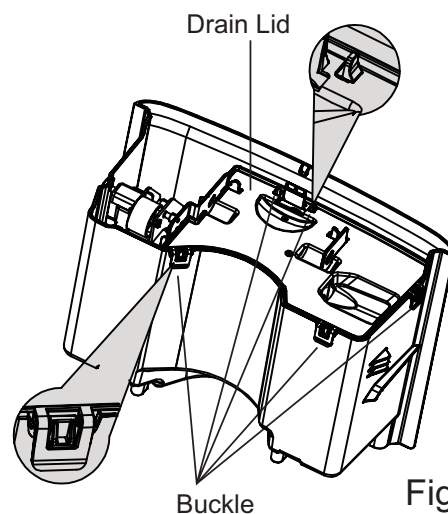
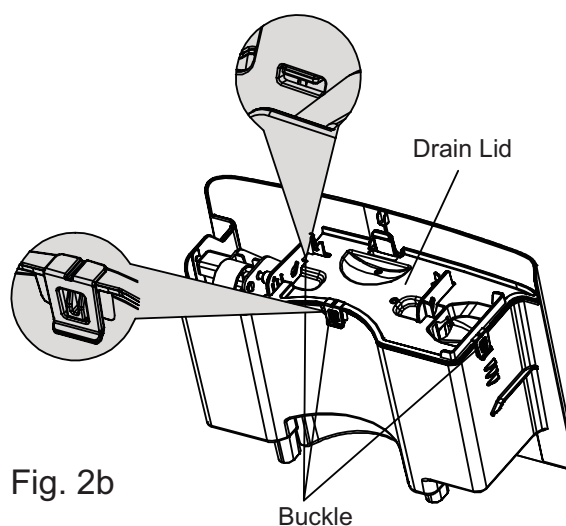
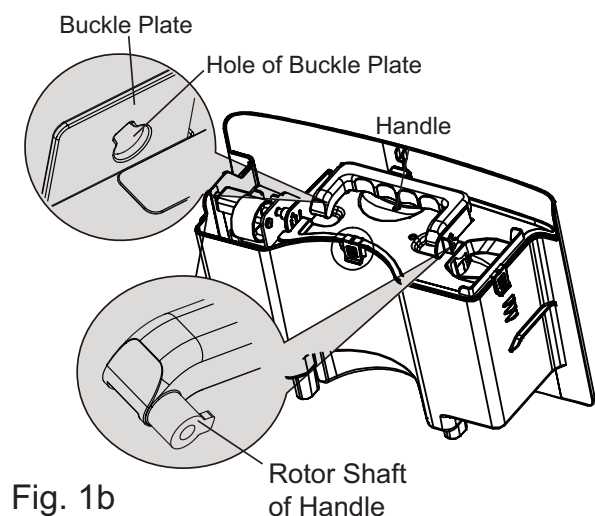
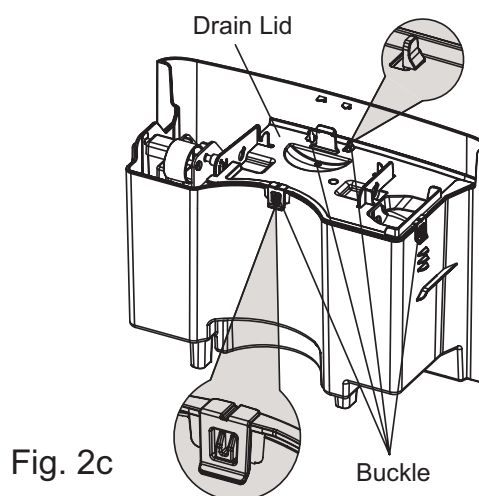
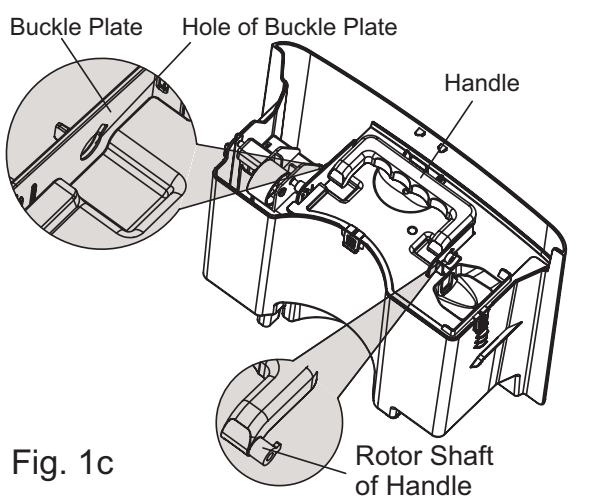


Fig. 2a

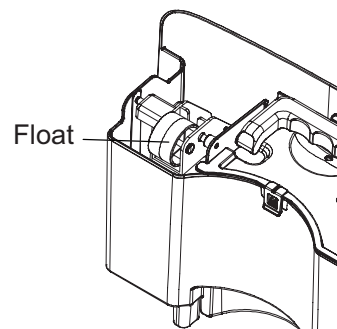
20/22/30AZ



30/50BB



- (3) After cleaning, replace the drain lid and handle and make sure the float of water bucket is placed properly. The side with foam plastic should be beneath the drain lid. Do not remove the foam plastic on the float



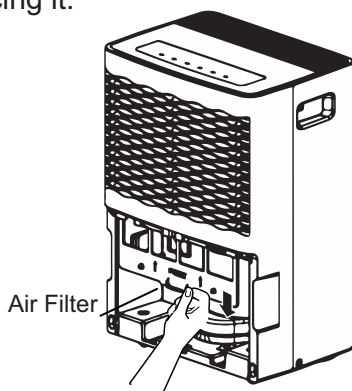
Note: Actual product may be different from above graphics, please refer to actual product.

3. Air Filter

Dehumidifier will remind you to clean the air filter when it has been operating for 250 hours. If it is used in dusty places, clean the air filter more often.

To remove: Remove the bucket. Grasp the filter edge, and pull it straight down and out.

To clean: Clean the filter in warm, soapy water. Rinse it and let the filter dry before replacing it.



Warning

- Do not operate the dehumidifier without a filter. Otherwise the evaporator will catch dust and affect unit's performance.
- Do not dry the air filter with fire or electric hair dryer. Otherwise the air filter may be unshaped or caught on fire.
- Don't use dust catcher or brush to clean the air filter. Otherwise the air filter may be destroyed.

Check Before Use-season

- Check whether air outlet is blocked.
- Check whether power plug and power socket are in good condition.
- Check whether air filter is clean
- Check whether drain hose is damaged.

Care After Use-season

- Disconnect power.
- Clean air filter and case
- Clean dust and obstacle of the dehumidifier.
- Empty the water bucket.

Long-time Storage

If you won't use the dehumidifier for a long time, we suggest that you follow the steps below in order to maintain the unit in good condition.

- Make sure the bucket is clear of water and drain hose is removed.
- Unplug the dehumidifier and pack the power cord
- Clean the unit and wrap it well to prevent the gathering of dust.

Part II : Maintenance

7. Notes Maintenance

Safety Precautions:

Important!

Please read the safety precautions carefully before maintenance:

The following contents are very important for installation and maintenance.

Please follow the instructions below.

- The maintenance must accord with the instructions.
- Comply with all national electrical codes and local electrical codes.
- Pay attention to the warnings and cautions in this manual.
- Be caution during maintenance. Prohibit incorrect operation to prevent electric shock and other accidents.



Warnings

Electrical Safety Precautions:

1. Cut off the power supply before maintenance.
2. Specialized circuit must be applied; prohibit sharing the same circuit with other electric appliances; protection switch must be installed.
3. Have the unit adequately grounded. The grounding wire cannot be used for other purposes.
4. The live wire, neutral wire and grounding wire of power supply must be corresponding to the live wire, neutral wire and grounding wire of the dehumidifier.
5. The power cord cannot be pressed by hard objects.
6. If the power cord or connection wire is not long enough, please get the specialized power cord or connection wire from the manufacture or distributor. Prohibit prolong the wire by yourself.
7. Replace the fuse with a new one of the same specification if it is burnt down; do not replace it with a copper wire or conducting wire.
8. Use the power supply with same voltage and frequency as shown in rating label.
9. Do not pull out the power plug when the unit is operating to avoid damaging the circuit.
10. Do not place anything at the top of dehumidifier; ensure the air outlet or air inlet is not blocked; do not use the unit near wall and curtain.
11. Do not use heating equipment around the unit.

Refrigerant Safety Precautions:

When refrigerant leaks or requires discharge during installation, maintenance, or disassembly, it should be handled by certified professionals or otherwise in compliance with local laws and regulations.

1. Avoid contact between refrigerant and fire as it generates poisonous gas. Recycle the refrigerant inside the unit completely before welding pipes.
2. Apply specified refrigerant only. Never have it mixed with any other refrigerant. Never have air remain in the refrigerant line as it may lead to rupture or other hazards.
3. If refrigerant is leaking seriously, it may cause suffocation or explosion. When using the combustible refrigerant, please put the unit at ventilated place.
4. Never touch the refrigerant piping or compressor without wearing glove to avoid scald or frostbite.

Improper installation may lead to fire hazard explosion, electric shock or injury.

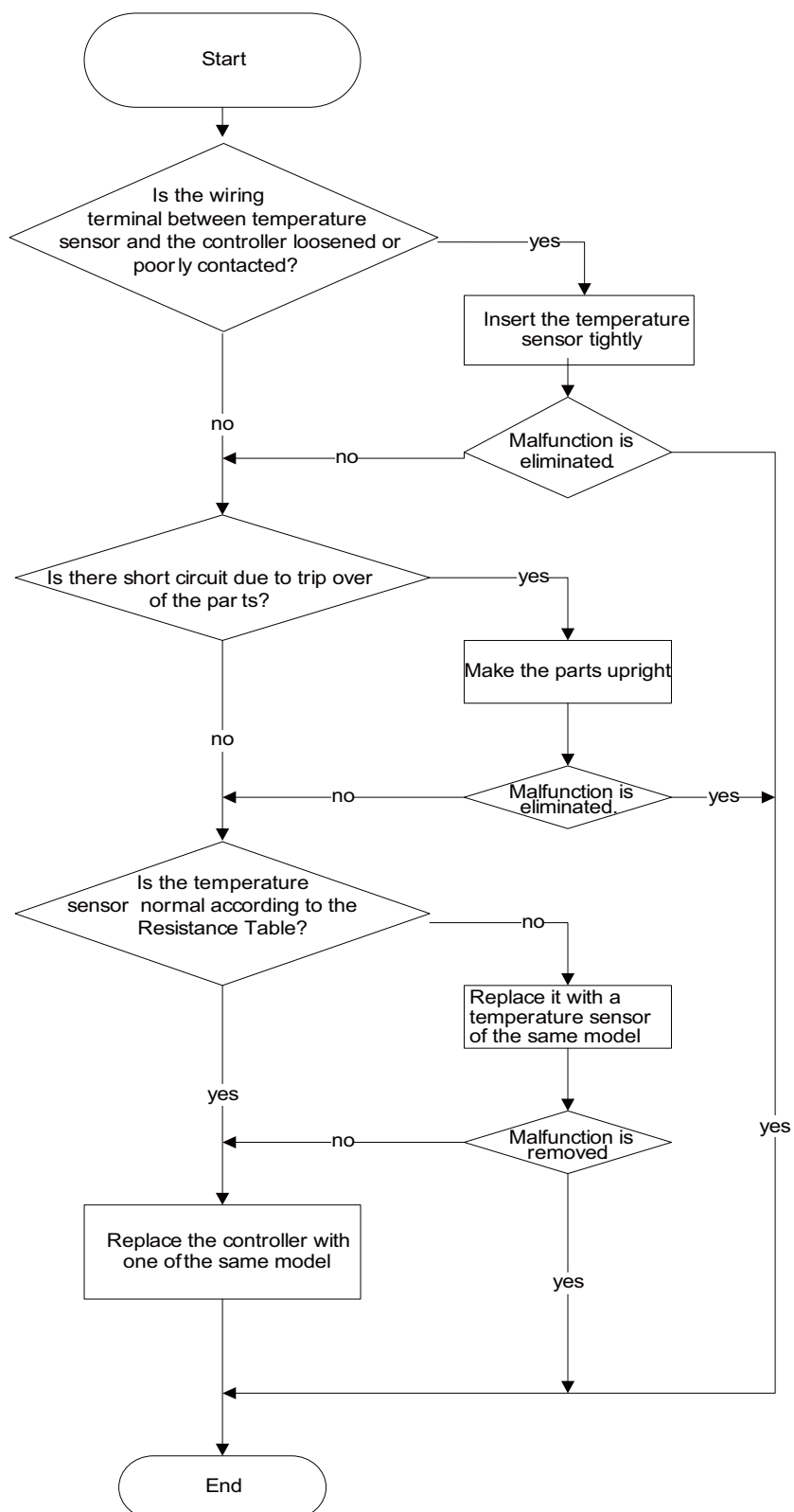
8.Maintenance

8.1 Error Code

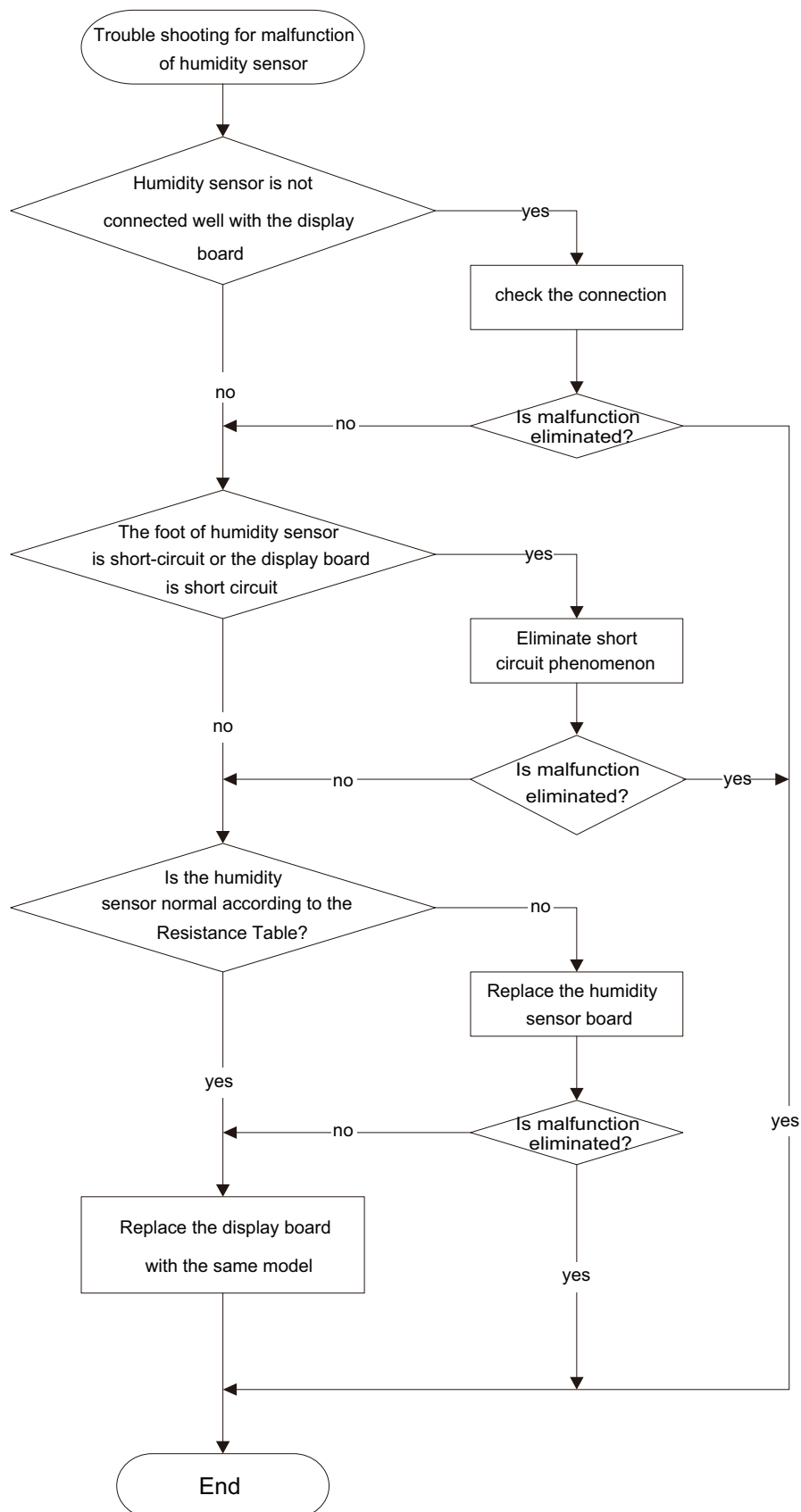
No.	Malfunction Name	Nixie Tube Display	Unit Status	Possible Causes
1	Malfunction of ambient temp. sensor	F1	The compressor and the fan motor stop; the buttons are invalid	1. The wiring terminal between ambient temperature sensor and display board is loosened or poorly contacted; 2. There's short circuit due to trip-over of the parts on controller; 3. Ambient temperature sensor is damaged (Please check it by referring to the resistance table for temperature sensor); 4. Display board is broken.
2	Malfunction of tube temp. sensor	F2		1. The wiring terminal between evaporator temperature sensor and display board is loosened or poorly contacted; 2. There's short circuit due to the trip-over of the parts on controller; 3. Evaporator temperature sensor is damaged (Please check it by referring to the resistance table for temperature sensor); 4. Display board is broken.
3	Malfunction of discharge temp. sensor	F5		1. The wiring terminal between discharge temperature sensor and display board is loosened or poorly contacted; 2. There's short circuit due to the trip-over of the parts on controller; 3. Discharge temperature sensor is damaged (Please check it by referring to the resistance table for temperature sensor); 4. Display board is broken.
4	Malfunction of humidity sensor	L1		1. Humidity sensor is short-circuit; 2. Humidity sensor is broken; 3. Display board is broken.
5	Freon-lacking protection	Press  and  button at the same time, then indicate F0	The compressor stops; the fan motor stops after 30 seconds	1. Heat exchangers are too dirty or the air inlet/outlet is blocked. 2. Compressor doesn't work normally. Strange noise or leakage occurs. Temperature of the shell is too high. 3. System is blocked inside (dirt block, ice block, oil block, etc.). 4. The refrigerant is leaking.
6	High temperature overload protection	Press  and  button at the same time, then indicate H3		1. Ambient operation condition is bad; 2. Heat exchangers with filth; 3. The system is abnormal.
7	High Discharge temperature Protection	E4		1. Abnormal system (e.g.: blockage, etc) 2. Abnormal rotation speed of the motor 3. Abnormal air intake 4. System is normal, but the compressor discharge temperature sensor is abnormal or poorly contacted.
8	Pump Malfunction	E0		1. Display board is damaged.; 2. Pump malfunction; 3. Liquid Level Switch Sub-assy malfunction.

8.2 Malfunction Detection Flowchart

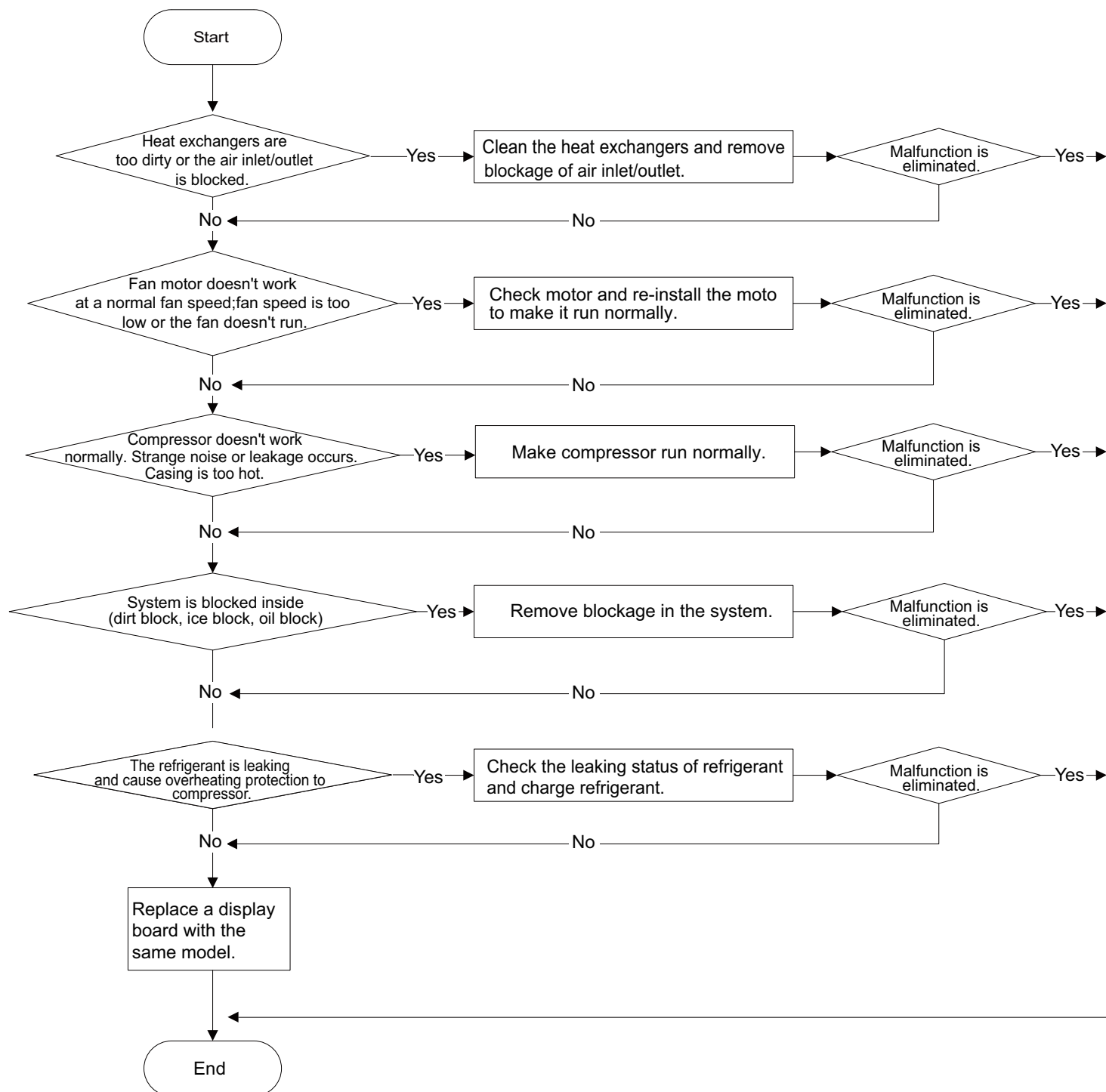
1. Malfunction of temperature sensor F1, F2,F5



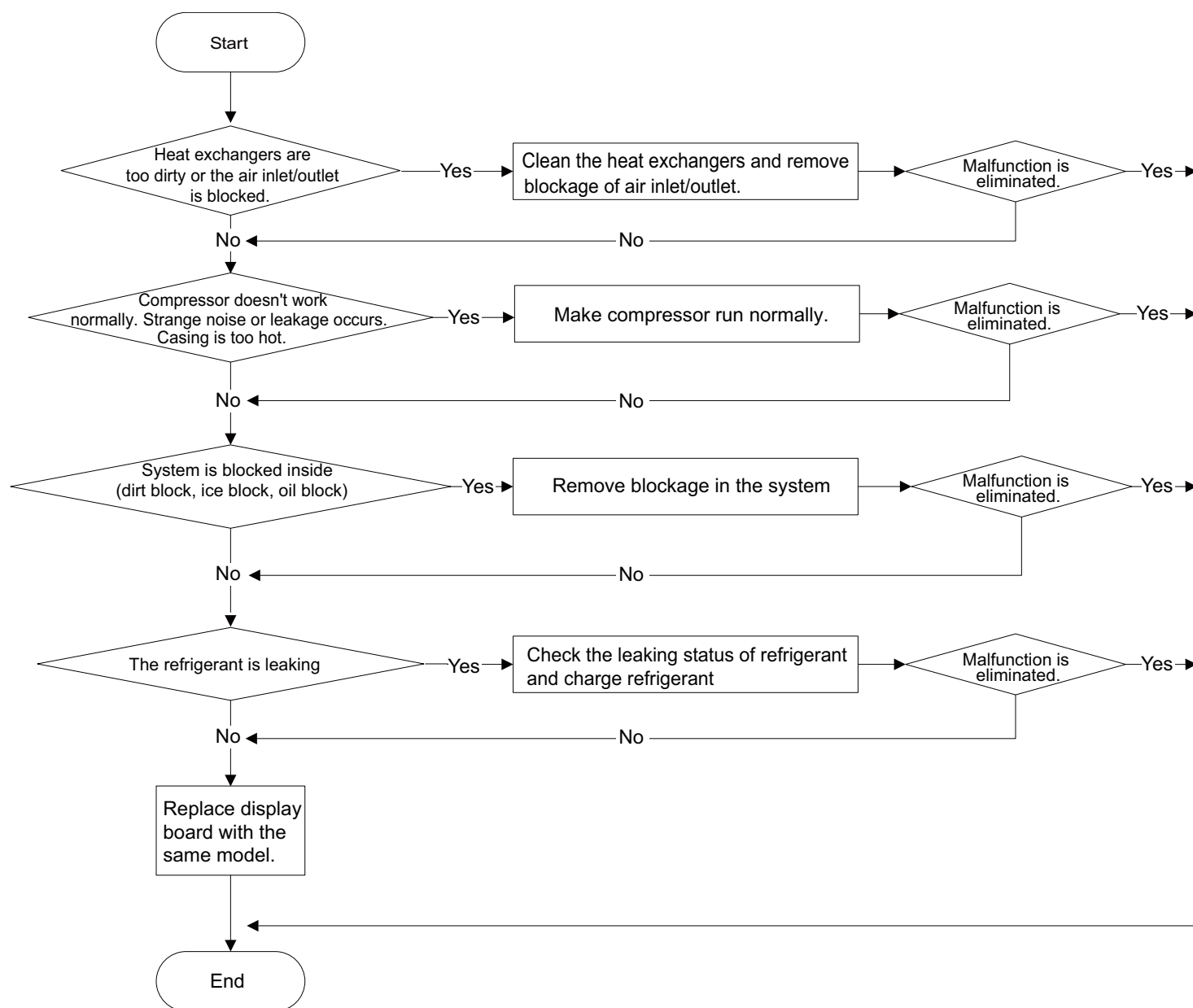
2. Malfunction of humidity sensor L1



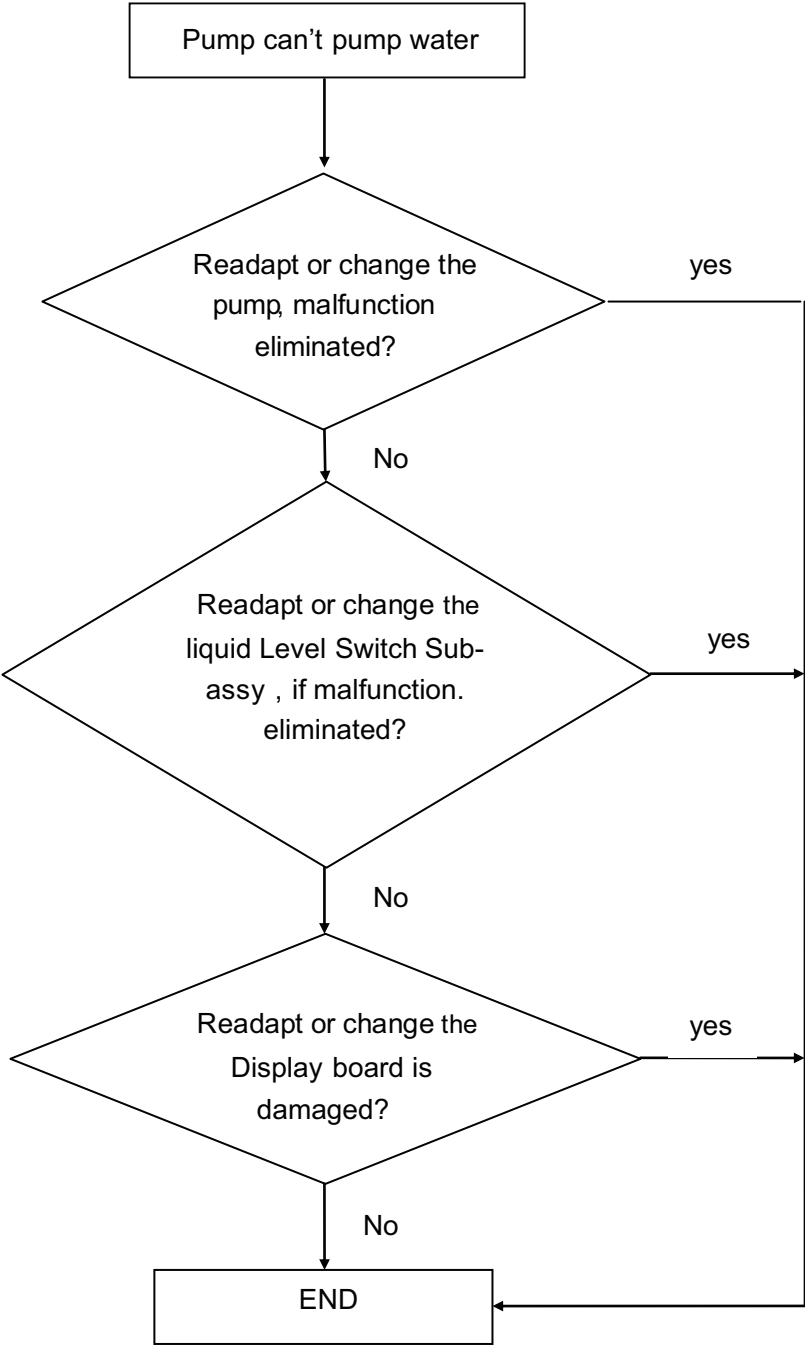
3. High-temperature overload protection H3



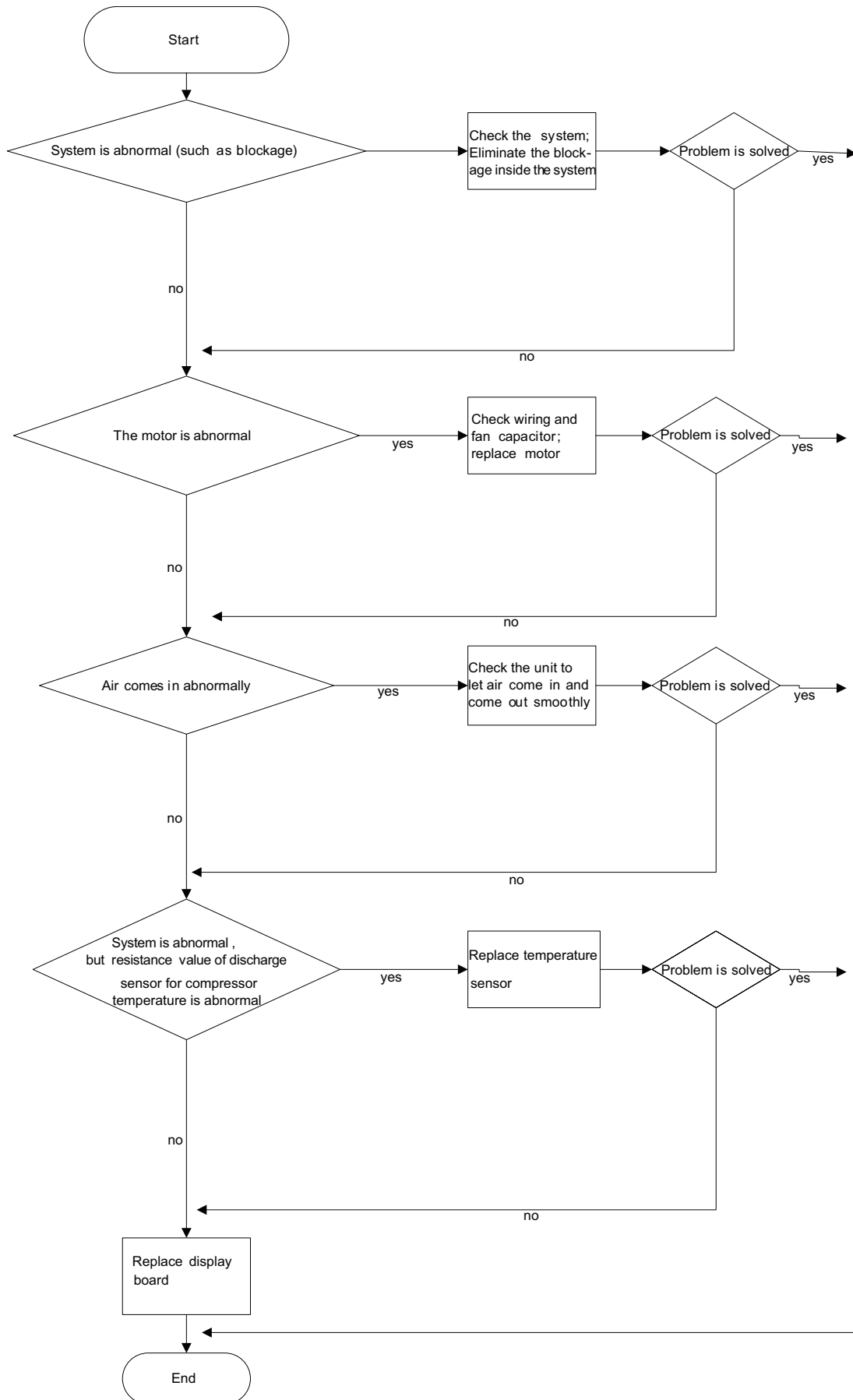
4. Freon-lacking Protection F0



5. Pump Malfunction E0



6. High discharge temperature protection of compressor (E4)



8.3 Maintenance Method for Common Malfunction

1.The Unit Can not Start Up

Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
No power supply, or poor connection for power plug	After energization, operation indicator isnt bright and the buzzer cant give out sound	Confirm whether its due to power failure. If yes, wait for power recovery. If not, check power supply circuit and make sure the power plug is connected well
Poor connection between wiring terminals	Power indicator is not on after the unit is energized	Check the circuit according to wiring diagram and connect wire properly; ensure each wiring terminal contact firmly
There is electric leakage in the unit	Circuit breaker jump off immediately after the unit is energized	Make sure the unit is properly grounded; Make sure the wiring is correct; Check if the insulating layer of wires inside the unit and power cord is in good condition; if the layer is broken, please replace it
Placing position of water tank is not correct. Water is removed or the water is full.	Wall-full indicator flashes	Make sure the water tank is placed correctly

2. Poor Dehumidifying Effect

Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
Set humidity is irrational	Observe the displayed set humidity	Adjust set humidity
Filter is blocked	Check the filter to see its blocked	Clean the filter
Placing position of water tank is improper.	Check whether therere obstacles around the dehumidifier blocked the air outlet	Make sure therere no obstacles around the dehumidifiers.
Refrigerant is leaking	Air outlet temperature is lower than normal temperature during dehumidifying period	Find out the cause of leakage and solve the problem; charge refrigerant
Malfunction of capillary	Air outlet temperature is lower than normal temperature during dehumidifying period. If the refrigerant isnt leaking, some parts of capillary is blocked	Replace capillary
Malfunction of fan	Fan cant operate	Refer to point 3 of maintenance method for details
Malfunction of compressor	Compressor cant operate	Refer to point 4 of maintenance method for details

3.Fan Cant Operate

Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
Wrong wire connection, or poor connection	Check the wiring status according to circuit diagram	Connect wires according to wiring diagram to make sure all wiring terminals are connected firmly
Needle stand of connection wire between mainboard and display board is loosened	Check if the needle stand is loosened	Reinsert the needle stand firmly
Fan capacitor is broken	Test the voltage between two ends of fan capacitor with universal meter and the value is 0	Replace fan capacitor
Power supply voltage is too low or too high	Test the power supply voltage with universal meter and the value is too high or too low	Apply voltage regulator
Fan is broken	The above situation is normal but the fan does not operate	Repair or replace the fan

4. Compressor Cant Operate

Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
Wrong wire connection, or poor connection	Check the wiring status according to circuit diagram	Connect wires according to wiring diagram to make sure all wiring terminals are connected firmly
Compressor relay on the mainboard is broken or the compressor needle stand is loosened	Check if the relay is sucked in cooling mode	Replace the mainboard with the same model
Capacity of compressor is damaged	After tuning on the unit, the unit cant dehumidify. Use universal meter to measure the resistance value of two contact points of capacitor. If the resistance value is too big or 0, the capacitor is damaged	Replace the compressor
Power voltage is a little low or high	After turning on the unit, dehumidifying effect is poor or compressor is turned on or off frequently. Use universal meter to measure the power supply voltage directly	The fluctuation of voltage is 10% rated power. If the power is too low or too high, you are suggested to equip wit voltage regulator.
Coil of compressor is burnt out	There is no dehumidifying effect after turning on the unit; test the resistance of the wiring poles of compressor with universal meter; if the resistance is infinite or zero, it means it is broken	Repair or replace compressor
Cylinder of compressor is blocked	The dehumidifying effect is poor after turning on the unit; the noise of compressor is big and the compressor is hot	Repair or replace compressor

5. Water Leakage

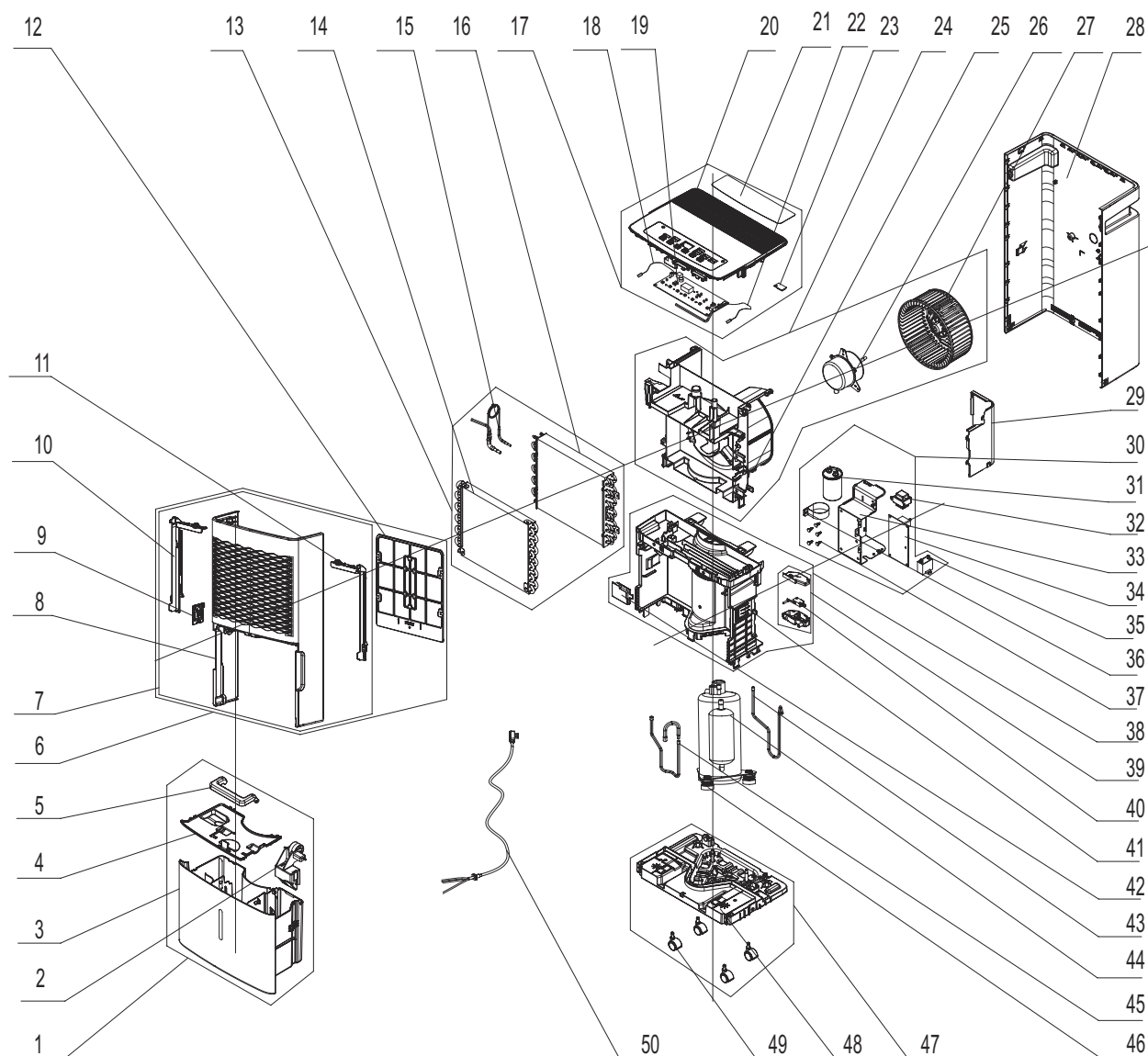
Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
Drainage pipe hasnt been installed correctly.	Water is coming out from indoors	Eliminate the blocking objects inside the drainage channel

6. Abnormal Sounds and Vibration

Possible causes	Discriminating method (dehumidifier status)	Troubleshooting
There is abnormal sound in some parts when just turning on or turning off the unit	Theres the sound of "PAPA"	Normal phenomenon. Abnormal sound will disappear after a few minutes
There is abnormal sound of refrigerant flowing when just turning on or turning off the unit	Water-running sound can be heard	Normal phenomenon. Abnormal sound will disappear after a few minutes
There is touching sound of foreign objects or parts inside the unit	The unit gives out abnormal sound	Take out the foreign objects; adjust the position of each part inside the unit; tighten the connection screws; apply some damping gum on the touching parts
Abnormal shake of compressor	Outdoor unit gives out abnormal sound	Adjust the support foot mat of compressor, tighten the bolts
Abnormal sound inside the compressor	Abnormal sound inside the compressor	If add too much refrigerant during maintenance, please reduce refrigerant properly. Replace compressor for other circumstances

9.Exploded View and Parts List

GDN50BA-A3EBA2B GDN70BA-A3EBA2C GDN45BA-A3EBA2A GDN45BA-A3EBA4A GDN50BA-A3EBA4A GDN50BA-A3EBA3A
GDN50BA-A3EBA2D GDN45BA-A3EBA3A



The component picture is only for reference; please refer to the actual product.

NO.	Description	Part Code		Qty
		GDN50BA-A3EBA2B		
	Product code	CK051031400	CK051031401	
1	Water Tank Assy	01500500000501	015005000005	1
2	Float meter sub-assy	2611652105	2611652104	1
3	Water Tank Sub-Assy	21900100000501	219001000005	1
4	Water Tank Cover	20010400000401	200104000004	1
5	Handle(Water Tank)	2623601006	2623601004	1
6	Front Case Assy	00004200000802	000042000008	1
7	Shield Sub-assy	20903900000702	20903900000701	1
8	Front Case	20008300001002S	20008300001001S	1
9	Cover Plate(Keep Draining)	20007600000404	200076000004	1
10	Guide Strip	20024000000502	20024000000501	1
11	Guide Strip	20024000000602	20024000000601	1
12	Filter Sub-Assy	1110010000033	111001000003301	1
13	Heat-exchange Equipment	0110040000011P	0110040000011P	1
14	Evaporator Sub-Assy	0100010000088P	0100010000088P	1
15	Capillary Sub-assy	03000600000332	03000600000332	1
16	Condenser Sub-Assy	0100020000045P	0100020000045P	1
17	Top Cover Assy	00009700010902	00009700010901	1
18	Temperature Sensor	3900000594	3900000594	1
19	Display Board	300001000215	300001000215	1
20	Coping	20010600000608	200106000006	1
21	Membrane	6000060000057	600006000005701	1
22	Temperature Sensor	390000081	3900000594	1
23	Detecting Plate	3000180000034	3000180000034	1
24	Air Flue Assy	000011000002201	0000110000022	1
25	Diversion Circle	2001500000005	2001500000005	1
26	Fan Motor	1501603808	1501603808	1
27	Centrifugal Fan	10300300000701	103003000007	1
28	Rear Case	20014100000202	200141000002	1
29	Electric Box Cover	0120200000057A	0120200000057A	1
30	Electric Box Assy	100002001206	100002001206	1
31	Capacitor CBB65	33000008118	33000008118	1
32	Transformer	4311024704	4311024704	1
33	Electric Box	0120170000086A	0120170000086	1
34	Main Board	300002000394	300002000394	1
35	Capacitor CBB61	3301074732	3301074732	1
36	Capacitor Clamp	02141381	02141381	1
37	Partition Pole (PC board)	76711016	76711016	5
38	Water Tray Assy	0000690000040	0000690000040	1
39	Liquid Level Switch Sub-assy	000194000005	000194000005	1
40	Inching Switch	45016514	45016514	1
41	Water Tray	2000630000009	2000630000009	1
42	Baffle Plate (Water tray)	20001200000802	20001200000802	1
43	Discharge Tube	0350080000754	0350080000754	1
44	Compressor and Fittings	009001000105	009001000105	1
45	Inhalation Tube Sub-assy	0300100000375	0300100000375	1
46	Compressor Gasket	76716062	76716062	3
47	Chassis Assy	20905800003603	209058000036	1
48	Chassis Sub-assy	20902000000503	209020000005	1
49	Castor	24236017	24236017	4
50	Power Cord	40000200000503	40000200000508	1

The data above are subject to change without notice.

NO.	Description	Part Code		Qty
		GDN70BA-A3EBA2C		
	Product code	CK051031500	CK051031501	
1	Water Tank Assy	01500500000501	01500500000501	1
2	Float meter sub-assy	2611652105	2611652105	1
3	Water Tank Sub-Assy	21900100000501	21900100000501	1
4	Water Tank Cover	20010400000401	20010400000401	1
5	Handle(Water Tank)	2623601006	2623601006	1
6	Front Case Assy	00004200000802	00004200000802	1
7	Shield Sub-assy	20903900000702	20903900000702	1
8	Front Case	20008300001002S	20008300001002S	1
9	Cover Plate(Keep Draining)	20007600000404	20007600000404	1
10	Guide Strip	20024000000502	20024000000502	1
11	Guide Strip	20024000000602	20024000000602	1
12	Filter Sub-Assy	111001000033	111001000033	1
13	Heat-exchange Equipment	011004000010	011004000010	1
14	Evaporator Sub-Assy	010001000089	010001000089	1
15	Capillary Sub-assy	030006000352	030006000352	1
16	Condenser Sub-Assy	010002060146	010002060146	1
17	Top Cover Assy	00009700010902	00009700010902	1
18	Temperature Sensor	390000594	390000594	1
19	Display Board	300001000215	300001000215	1
20	Coping	20010600000608	20010600000608	1
21	Membrane	600006000057	600006000057	1
22	Temperature Sensor	39000081	39000081	1
23	Detecting Plate	300018000034	300018000034	1
24	Air Flue Assy	00001100002201	00001100002201	1
25	Diversion Circle	200150000005	200150000005	1
26	Fan Motor	1501603808	1501603808	1
27	Centrifugal Fan	10300300000701	10300300000701	1
28	Rear Case	20014100000202	20014100000202	1
29	Electric Box Cover	012020000057A	012020000057A	1
30	Electric Box Assy	100002001190	100002001190	1
31	Capacitor CBB65	3300008116	3300008116	1
32	Transformer	4311024704	4311024704	1
33	Electric Box	012017000086A	012017000086A	1
34	Main Board	300002000394	300002000394	1
35	Capacitor CBB61	3301074732	3301074732	1
36	Capacitor Clamp	02141381	02141381	1
37	Partition Pole (PC board)	76711016	76711016	5
38	Water Tray Assy	000069000040	000069000040	1
39	Liquid Level Switch Sub-assy	00019400005	00019400005	1
40	Inching Switch	45016514	45016514	1
41	Water Tray	200063000009	200063000009	1
42	Baffle Plate (Water tray)	20001200000802	20001200000802	1
43	Discharge Tube	035008000754	035008000754	1
44	Compressor and Fittings	009001000103	009001000103	1
45	Inhalation Tube Sub-assy	030010000375	030010000375	1
46	Compressor Gasket	76716062	76716062	3
47	Chassis Assy	20905800003603	20905800003603	1
48	Chassis Sub-assy	20902000000503	20902000000503	1
49	Castor	24236017	24236017	4
50	Power Cord	40000200000504	40000200000512	1

The data above are subject to change without notice.

NO.	Description	Part Code			Qty
		GDN45BA-A3EBA2A	GDN45BA-A3EBA4A	GDN50BA-A3EBA2D	
	Product code	CK051037200	CK051038000	CK051039900	
1	Water Tank Assy	01500500000501	01500500000501	01500500000501	1
2	Float meter sub-assy	2611652105	2611652105	2611652105	1
3	Water Tank Sub-Assy	21900100000501	21900100000501	21900100000501	1
4	Water Tank Cover	20010400000401	20010400000401	20010400000401	1
5	Handle(Water Tank)	2623601006	2623601006	2623601006	1
6	Front Case Assy	00004200000802	000042060006	00004200000802	1
7	Shield Sub-assy	20903900000702	209039060004	20903900000702	1
8	Front Case	20008300001002S	200083060009S	200083060005S	1
9	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
10	Guide Strip	20024000000502	20024000000502	20024000000502	1
11	Guide Strip	20024000000602	20024000000602	20024000000602	1
12	Filter Sub-Assy	111001000033	111001000033	111001000033	1
13	Heat-exchange Equipment	011004060021P	011004060021P	011004060029P	1
14	Evaporator Sub-Assy	010001060247P	010001060247P	010001060336P	1
15	Capillary Sub-assy	030006060556	030006060556	030006060727	1
16	Condenser Sub-Assy	010002060146P	010002060146P	010002060146P	1
17	Top Cover Assy	00009700010902	00009700010902	00009700010902	1
18	Temperature Sensor	390000594	390000595	390000595	1
19	Display Board	300001000215	300001000215	300001000215	1
20	Coping	20010600000608	20010600000608	20010600000608	1
21	Membrane	600006000057	600006000057	600006000057	1
22	Temperature Sensor	39000081	390000595	390000595	1
23	Detecting Plate	300018000034	300018000034	300018000034	1
24	Air Flue Assy	000011060071	00001106007101	00001106006301	1
25	Diversion Circle	20015006001301	200150060013	200150000005	1
26	Fan Motor	1501603810	1501603810	1501603812	1
27	Centrifugal Fan	10300300000701	10300300000701	10300300000701	1
28	Rear Case	20014106000603	200141060006	200141060006	1
29	Electric Box Cover	012020000057A	012020000057A	012020000057A	1
30	Electric Box Assy	100002060553	100002060553	100002068014	1
31	Capacitor CBB65	3300008117	3300008117	3300008116	1
32	Transformer	4311024704	4311024704	4311024704	1
33	Electric Box	012017000086A	012017000086	012017000086	1
34	Main Board	300002000394	300002000394	300002061170	1
35	Capacitor CBB61	3301074732	3301074732	3301074732	1
36	Capacitor Clamp	02141381	02141381	02141381	1
37	Partition Pole (PC board)	76711016	76711016	76711016	5
38	Water Tray Assy	000069060196	000069000040	000069060241	1
39	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
40	Inching Switch	45016514	45016514	45016514	1
41	Water Tray	200063000009	200063000009	200063060015	1
42	Baffle Plate (Water tray)	20001200000803	20001200000802	20001200000802	1
43	Discharge Tube	035008061358	035008061358	030013061151	1
44	Compressor and Fittings	009001060329	009001060329	009001060451	1
45	Inhalation Tube Sub-assy	030010000375	030010000375	030010060881	1
46	Compressor Gasket	76716062	76716062	76716062	3
47	Chassis Assy	209058060188	20905800003603	20905800003603	1
48	Chassis Sub-assy	20902000000504	20902000000503	20902000000503	1
49	Castor	24236017	24236017	24236017	4
50	Power Cord	40000200000512	40000200000512	40000200000512	1

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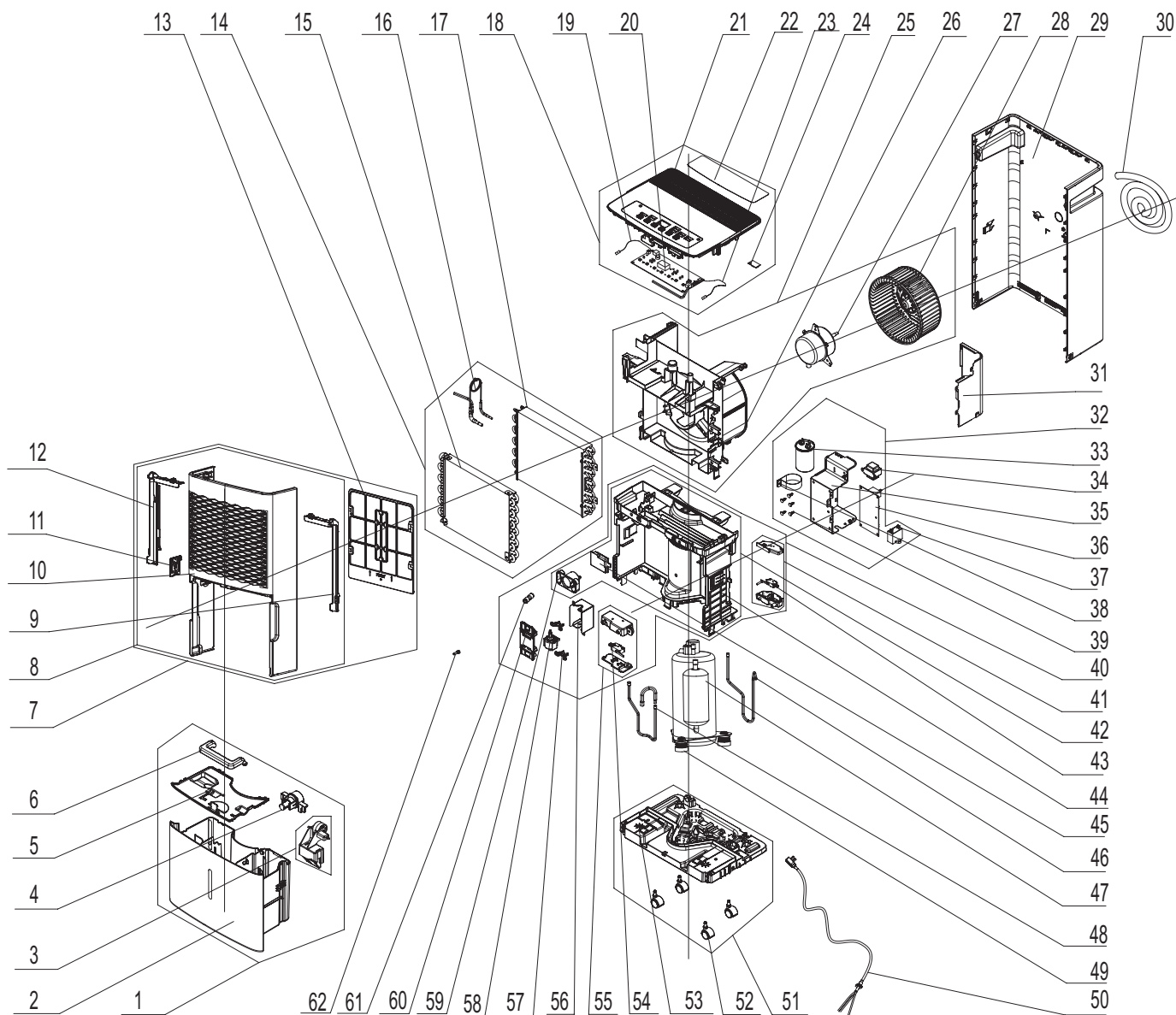
NO.	Description	Part Code			Qty
		GDN45BA-A3EBA3A	GDN50BA-A3EBA4A	GDN50BA-A3EBA3A	
	Product code	CK051038400	CK051040300	CK051040100	
1	Water Tank Assy	01500500000501	01500500000501	01500500000501	1
2	Float meter sub-assy	2611652105	2611652105	2611652105	1
3	Water Tank Sub-Assy	21900100000501	21900100000501	21900100000501	1
4	Water Tank Cover	20010400000401	20010400000401	20010400000401	1
5	Handle(Water Tank)	2623601006	2623601006	2623601006	1
6	Front Case Assy	000042060007	000042060006	000042060007	1
7	Shield Sub-assy	209039060005	209039060004	209039060005	1
8	Front Case	200083060005S	200083060009S	200083060005S	1
9	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
10	Guide Strip	20024000000502	20024000000502	20024000000502	1
11	Guide Strip	20024000000602	20024000000602	20024000000602	1
12	Filter Sub-Assy	111001000033	111001000033	111001000033	1
13	Heat-exchange Equipment	011004060021P	011004060029P	011004060029P	1
14	Evaporator Sub-Assy	010001060247P	010001060336P	010001060336P	1
15	Capillary Sub-assy	030006060556	030006060727	030006060727	1
16	Condenser Sub-Assy	010002060146P	010002060146P	010002060146P	1
17	Top Cover Assy	00009700010902	00009700010902	00009700010902	1
18	Temperature Sensor	390000595	390000595	390000595	1
19	Display Board	300001000215	300001000215	300001000215	1
20	Coping	20010600000608	20010600000608	20010600000608	1
21	Membrane	600006000057	600006000057	600006000057	1
22	Temperature Sensor	390000595	390000595	390000595	1
23	Detecting Plate	300018000034	300018000034	300018000034	1
24	Air Flue Assy	00001106007101	00001106006301	00001106006301	1
25	Diversion Circle	200150060013	200150000005	200150000005	1
26	Fan Motor	1501603810	1501603812	1501603812	1
27	Centrifugal Fan	10300300000701	10300300000701	10300300000701	1
28	Rear Case	200141060006	200141060006	200141060006	1
29	Electric Box Cover	012020000057A	012020000057A	012020000057A	1
30	Electric Box Assy	100002060553	100002068014	100002068014	1
31	Capacitor CBB65	3300008117	3300008116	3300008116	1
32	Transformer	4311024704	4311024704	4311024704	1
33	Electric Box	012017000086	012017000086	012017000086	1
34	Main Board	300002000394	300002061170	300002061170	1
35	Capacitor CBB61	3301074732	3301074732	3301074732	1
36	Capacitor Clamp	02141381	02141381	02141381	1
37	Partition Pole (PC board)	76711016	76711016	76711016	5
38	Water Tray Assy	000069000040	000069060241	000069060241	1
39	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
40	Inching Switch	45016514	45016514	45016514	1
41	Water Tray	200063000009	200063060015	200063060015	1
42	Baffle Plate (Water tray)	20001200000802	20001200000802	20001200000802	1
43	Discharge Tube	035008061358	030013061151	030013061151	1
44	Compressor and Fittings	009001060329	009001060451	009001060451	1
45	Inhalation Tube Sub-assy	030010000375	030010060881	030010060881	1
46	Compressor Gasket	76716062	76716062	76716062	3
47	Chassis Assy	20905800003603	20905800003603	20905800003603	1
48	Chassis Sub-assy	20902000000503	20902000000503	20902000000503	1
49	Castor	24236017	24236017	24236017	4
50	Power Cord	40000200000512	40000200000512	40000200000512	1

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NO.	Description	Part Code	Qty
		GDN45BA-A3EBA2A	
	Product code	CK051037201	
1	Water Tank Assy	015005000005	1
2	Float meter sub-assy	2611652104	1
3	Water Tank Sub-Assy	219001000005	1
4	Water Tank Cover	200104000004	1
5	Handle(Water Tank)	2623601004	1
6	Front Case Assy	00004200000801	1
7	Shield Sub-assy	20903900000701	1
8	Front Case	20008300001003	1
9	Cover Plate(Keep Draining)	20007600000403	1
10	Guide Strip	20024000000503	1
11	Guide Strip	20024000000603	1
12	Filter Sub-Assy	11100100003301	1
13	Heat-exchange Equipment	011004060021P	1
14	Evaporator Sub-Assy	010001060247P	1
15	Capillary Sub-assy	030006060556	1
16	Condenser Sub-Assy	010002060146P	1
17	Top Cover Assy	00009700010901	1
18	Temperature Sensor	390000595	1
19	Display Board	300001000215	1
20	Coping	20010600000606	1
21	Membrane	60000600005701	1
22	Temperature Sensor	390000595	1
23	Detecting Plate	300018000034	1
24	Air Flue Assy	00001106007101	1
25	Diversion Circle	200150060013	1
26	Fan Motor	1501603810	1
27	Centrifugal Fan	10300300000701	1
28	Rear Case	20014106000609	1
29	Electric Box Cover	012020000057A	1
30	Electric Box Assy	100002060553	1
31	Capacitor CBB65	3300008117	1
32	Transformer	4311024704	1
33	Electric Box	012017000086	1
34	Main Board	300002000394	1
35	Capacitor CBB61	3301074732	1
36	Capacitor Clamp	02141381	1
37	Partition Pole (PC board)	76711016	5
38	Water Tray Assy	000069000040	1
39	Liquid Level Switch Sub-assy	000194000005	1
40	Inching Switch	45016514	1
41	Water Tray	200063000009	1
42	Baffle Plate (Water tray)	20001200000802	1
43	Discharge Tube	035008061358	1
44	Compressor and Fittings	009001060329	1
45	Inhalation Tube Sub-assy	030010000375	1
46	Compressor Gasket	76716062	3
47	Chassis Assy	20905800003603	1
48	Chassis Sub-assy	20902000000503	1
49	Castor	24236017	4
50	Power Cord	40000200000513	1

The data above are subject to change without notice.

GDN70BA-A3EBA2D GDN45BA-A3EBA2B GDN45BA-A3EBA4B GDN45BA-A3EBA3B GDN50BA-A3EBA2E
GDN50BA-A3EBA4B GDN50BA-A3EBA3B



The component picture is only for reference; please refer to the actual product.

NO.	Description	Part Code			Qty
		GDN70BA-A3EBA2D			
	Product code	CK051031600	CK051031601	CK051031602	
1	Water Tank Assy	01500500001202	015005000012	01500500001202	1
2	Water Tank Sub-Assy	21900100000602	219001000006	21900100000602	1
3	Float meter sub-assy	2611652105	2611652104	2611652105	1
4	Joint sub- assy	00029300001	00029300001	00029300001	1
5	Water Tank Cover	20010400000602	200104000006	20010400000602	1
6	Handle(Water Tank)	2623601006	2623601004	2623601006	1
7	Front Case Assy	00004200000802	00004200000801	00004200000802	1
8	Shield Sub-assy	20903900000702	20903900000701	20903900000702	1
9	Guide Strip	20024000000602	20024000000603	20024000000602	1
10	Front Case	20008300001002S	20008300001003S	20008300001002S	1
11	Cover Plate(Keep Draining)	20007600000404	20007600000403	20007600000404	1
12	Guide Strip	20024000000502	20024000000503	20024000000502	1
13	Filter Sub-Assy	111001000033	11100100003301	111001000033	1
14	Heat-exchange Equipment	011004000010	011004000010	011004000010	1
15	Evaporator Sub-Assy	010001000089	010001000089	010001000089	1
16	Capillary Sub-assy	030006000352	030006000352	030006000352	1
17	Condenser Sub-Assy	010002060146	010002060146	010002060146	1
18	Top Cover Assy	00009700011002	00009700011001	00009700011002	1
19	Temperature Sensor	390000594	390000594	390000594	1
20	Display Board	300001000218	300001000218	300001000218	1
21	Coping	20010600000609	20010600000607	20010600000609	1
22	Membrane	600006000059	60000600005901	600006000059	1
23	Temperature Sensor	39000081	39000081	39000081	1
24	Detecting Plate	300018000034	300018000034	300018000034	1
25	Air Flue Assy	00001100002201	00001100002201	00001100002201	1
26	Diversion Circle	200150000005	200150000005	200150000005	1
27	Fan Motor	1501603808	1501603808	1501603808	1
28	Centrifugal Fan	10300300000701	10300300000701	10300300000701	1
29	Rear Case	20014100000203	20014100000201	20014100000203	1
30	PE tube	128402552	128402552	128402552	5
31	Electric Box Cover	012020000057A	012020000057A	012020000057A	1
32	Electric Box Assy	10000200119001	10000200119001	10000200119001	1
33	Capacitor CBB65	3300008116	3300008116	3300008116	1
34	Transformer	4311024704	4311024704	4311024704	1
35	Electric Box	012017000086A	012017000086A	012017000086A	1
36	Main Board	300002000175	300002000175	300002000175	1
37	Capacitor CBB61	3301074732	3301074732	3301074732	1
38	Capacitor Clamp	02141381	02141381	02141381	1
39	Partition Pole (PC board)	76711016	76711016	76711016	5
40	Water Tray Assy	000069000058	000069000058	000069000058	1
41	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
42	Water Tray Sub-Assy	209041000016	209041000016	209041000016	1
43	Inching Switch	45016514	45016514	45016514	1
44	Water Tray	200063000017	200063000017	200063000017	1
45	Baffle Plate (Water tray)	20001200000802	20001200000802	20001200000802	1
46	Discharge Tube	035008000754	035008000754	035008000754	1
47	Compressor and Fittings	009001000103	009001000103	009001000103	1
48	Inhalation Tube Sub-assy	030010000375	030010000375	030010000375	1
49	Compressor Gasket	76716062	76716062	76716062	3
50	Power Cord	40000200000504	40000200000513	40000200000512	1
51	Chassis Assy	20905800003603	20905800003603	20905800003603	1
52	Castor	24236017	24236017	24236017	4
53	Chassis Sub-assy	20902000000503	20902000000503	20902000000503	1
54	Inching Switch	45016514	45016514	45016514	1
55	Liquid Level Switch Sub-assy	00019400008	00019400008	00019400008	1

56	Cover Plate	012035000059	012035000059	012035000059	1
57	Press Plate	26116172	26116172	26116172	2
58	Water Pump	43138011	43138011	43138011	1
59	Drainage Joint	20003800001	20003800001	20003800001	1
60	Pump Box	200043000002	200043000002	200043000002	1
61	Flathead two-way joint	128402505	128402505	128402505	1
62	Joint	20010900001	20010900001	20010900001	1

The data above are subject to change without notice.

NO.	Description	Part Code			Qty
		GDN45BA-A3EBA2B	GDN45BA-A3EBA4B	GDN45BA-A3EBA3B	
	Product code	CK051037300	CK051038600	CK051038700	
1	Water Tank Assy	01500500001202	01500500001202	01500500001202	1
2	Water Tank Sub-Assy	21900100000602	21900100000602	21900100000602	1
3	Float meter sub-assy	2611652105	2611652105	2611652105	1
4	Joint sub- assy	00029300001	00029300001	00029300001	1
5	Water Tank Cover	20010400000602	20010400000602	20010400000602	1
6	Handle(Water Tank)	2623601006	2623601006	2623601006	1
7	Front Case Assy	00004200000802	000042060006	000042060007	1
8	Shield Sub-assy	20903900000702	209039060004	209039060005	1
9	Guide Strip	20024000000602	20024000000602	20024000000602	1
10	Front Case	20008300001002S	200083060009S	200083060005S	1
11	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
12	Guide Strip	20024000000502	20024000000602	20024000000602	1
13	Filter Sub-Assy	111001000033	111001000033	111001000033	1
14	Heat-exchange Equipment	011004060021P	011004060021P	011004060021P	1
15	Evaporator Sub-Assy	010001060247P	010001060247P	010001060247P	1
16	Capillary Sub-assy	030006060556	030006060556	030006060556	1
17	Condenser Sub-Assy	010002060146P	010002060146P	010002060146P	1
18	Top Cover Assy	00009700011002	00009700011002	00009700011002	1
19	Temperature Sensor	390000594	390000595	390000595	1
20	Display Board	300001000218	300001000218	300001000218	1
21	Coping	20010600000609	20010600000609	20010600000609	1
22	Membrane	600006000059	600006000059	600006000059	1
23	Temperature Sensor	39000081	390000595	390000595	1
24	Detecting Plate	300018000034	300018000034	300018000034	1
25	Air Flue Assy	000011060071	00001106007101	00001106007101	1
26	Diversion Circle	20015006001301	200150060013	200150060013	1
27	Fan Motor	1501603810	1501603810	1501603810	1
28	Centrifugal Fan	10300300000701	10300300000701	10300300000701	1
29	Rear Case	20014106000604	20014106000601	20014106000601	1
30	PE tube	128402552	128402552	128402552	5
31	Electric Box Cover	012020000057A	012020000057A	012020000057A	1
32	Electric Box Assy	10000206055301	10000206055301	10000206055301	1
33	Capacitor CBB65	3300008117	3300008117	3300008117	1
34	Transformer	4311024704	4311024704	4311024704	1
35	Electric Box	012017000086A	012017000086	012017000086	1
36	Main Board	300002000175	300002000175	300002000175	1
37	Capacitor CBB61	3301074732	3301074732	3301074732	1
38	Capacitor Clamp	02141381	02141381	02141381	1
39	Partition Pole (PC board)	76711016	76711016	76711016	5
40	Water Tray Assy	000069060197	000069000058	000069000058	1
41	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
42	Water Tray Sub-Assy	209041060026	209041000016	209041000016	1
43	Inching Switch	45016514	45016514	45016514	1
44	Water Tray	20006300001702	200063000017	200063000017	1
45	Baffle Plate (Water tray)	20001200000803	20001200000802	20001200000802	1
46	Discharge Tube	035008061358	035008061358	035008061358	1
47	Compressor and Fittings	009001060329	009001060329	009001060329	1
48	Inhalation Tube Sub-assy	030010000375	030010000375	030010000375	1
49	Compressor Gasket	76716062	76716062	76716062	3
50	Power Cord	40000200000512	40000200000512	40000200000512	1
51	Chassis Assy	209058060188	20905800003603	20905800003603	1
52	Castor	24236017	24236017	24236017	4
53	Chassis Sub-assy	20902000000504	20902000000503	20902000000503	1
54	Inching Switch	45016514	45016514	45016514	1
55	Liquid Level Switch Sub-assy	00019400008	00019400008	00019400005	1
56	Cover Plate	012035000059	012035000059	012035000059	1
57	Press Plate	26116172	26116172	26116172	2
58	Water Pump	43138011	43138011	43138011	1

59	Drainage Joint	20003800001	20003800001	20003800001	1
60	Pump Box	200043000002	200043000002	200043000002	1
61	Flathead two-way joint	128402505	128402505	128402505	1
62	Joint	20010900001	20010900005	20010900001	1

The data above are subject to change without notice.

NO.	Description	Part Code			Qty
		GDN50BA-A3EBA2E	GDN50BA-A3EBA4B	GDN50BA-A3EBA2F	
	Product code	CK051040700	CK051041100	CK051041000	
1	Water Tank Assy	01500500001202	01500500001202	01500500001202	1
2	Water Tank Sub-Assy	21900100000602	21900100000602	21900100000602	1
3	Float meter sub-assy	2611652105	2611652105	2611652105	1
4	Joint sub- assy	00029300001	00029300001	00029300001	1
5	Water Tank Cover	20010400000602	20010400000602	20010400000602	1
6	Handle(Water Tank)	2623601006	2623601006	2623601006	1
7	Front Case Assy	00004200000802	000042060006	00004200000802	1
8	Shield Sub-assy	20903900000702	209039060004	20903900000702	1
9	Guide Strip	20024000000602	20024000000602	20024000000602	1
10	Front Case	20008300001002	200083060009S	20008300001002	1
11	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
12	Guide Strip	20024000000602	20024000000502	20024000000502	1
13	Filter Sub-Assy	111001000033	111001000033	111001000033	1
14	Heat-exchange Equipment	011004060029P	011004060033P	011004060033P	1
15	Evaporator Sub-Assy	010001060336P	010001060336P	010001060336P	1
16	Capillary Sub-assy	030006060727	030006060887	030006060887	1
17	Condenser Sub-Assy	010002060146P	010002060146P	010002060146P	1
18	Top Cover Assy	00009700011002	00009700011002	00009700011002	1
19	Temperature Sensor	390000595	390000595	390000595	1
20	Display Board	300001000218	300001000218	300001000218	1
21	Coping	20010600000609	20010600000609	20010600000609	1
22	Membrane	600006000059	600006000059	600006000059	1
23	Temperature Sensor	390000595	390000595	390000595	1
24	Detecting Plate	300018000034	300018000034	300018000034	1
25	Air Flue Assy	00001106006301	00001106006301	00001106006301	1
26	Diversion Circle	200150000005	200150000005	200150000005	1
27	Fan Motor	1501603812	1501603812	1501603812	1
28	Centrifugal Fan	10300300000701	10300300000701	10300300000701	1
29	Rear Case	20014106000601	20014106000601	20014106000601	1
30	PE tube	128402552	128402552	128402552	5
31	Electric Box Cover	012020000057A	012020000057A	012020000057A	1
32	Electric Box Assy	10000206801401	10000206801401	10000206801401	1
33	Capacitor CBB65	3300008116	3300008116	3300008116	1
34	Transformer	4311024704	4311024704	4311024704	1
35	Electric Box	012017000086	012017000086	012017000086	1
36	Main Board	300002061186	300002061186	300002061186	1
37	Capacitor CBB61	3301074732	3301074732	3301074732	1
38	Capacitor Clamp	02141381	02141381	02141381	1
39	Partition Pole (PC board)	76711016	76711016	76711016	5
40	Water Tray Assy	000069060242	000069060242	000069060242	1
41	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
42	Water Tray Sub-Assy	209041060031	209041060031	209041060031	1
43	Inching Switch	45016514	45016514	45016514	1
44	Water Tray	200063060016	200063060016	200063060016	1
45	Baffle Plate (Water tray)	20001200000802	20001200000802	20001200000802	1
46	Discharge Tube	030013061151	030013061356	030013061356	1
47	Compressor and Fittings	009001060451	009001060535	009001060535	1
48	Inhalation Tube Sub-assy	030010060881	030010061099	030010061099	1
49	Compressor Gasket	76716062	76716062	76716062	3
50	Power Cord	40000200000512	40000200000512	40000200000512	1
51	Chassis Assy	20905800003603	20905800003603	20905800003603	1
52	Castor	24236017	24236017	24236017	4
53	Chassis Sub-assy	20902000000503	20902000000503	20902000000503	1
54	Inching Switch	45016514	45016514	45016514	1
55	Liquid Level Switch Sub-assy	00019400005	00019400005	00019400005	1
56	Cover Plate	012035000059	012035000059	012035000059	1
57	Press Plate	26116172	26116172	26116172	2
58	Water Pump	43138011	43138011	43138011	1

59	Drainage Joint	20003800001	20003800001	20003800001	1
60	Pump Box	200043000002	200043000002	200043000002	1
61	Flathead two-way joint	128402505	128402505	128402505	1
62	Joint	20010900001	20010900001	20010900001	1

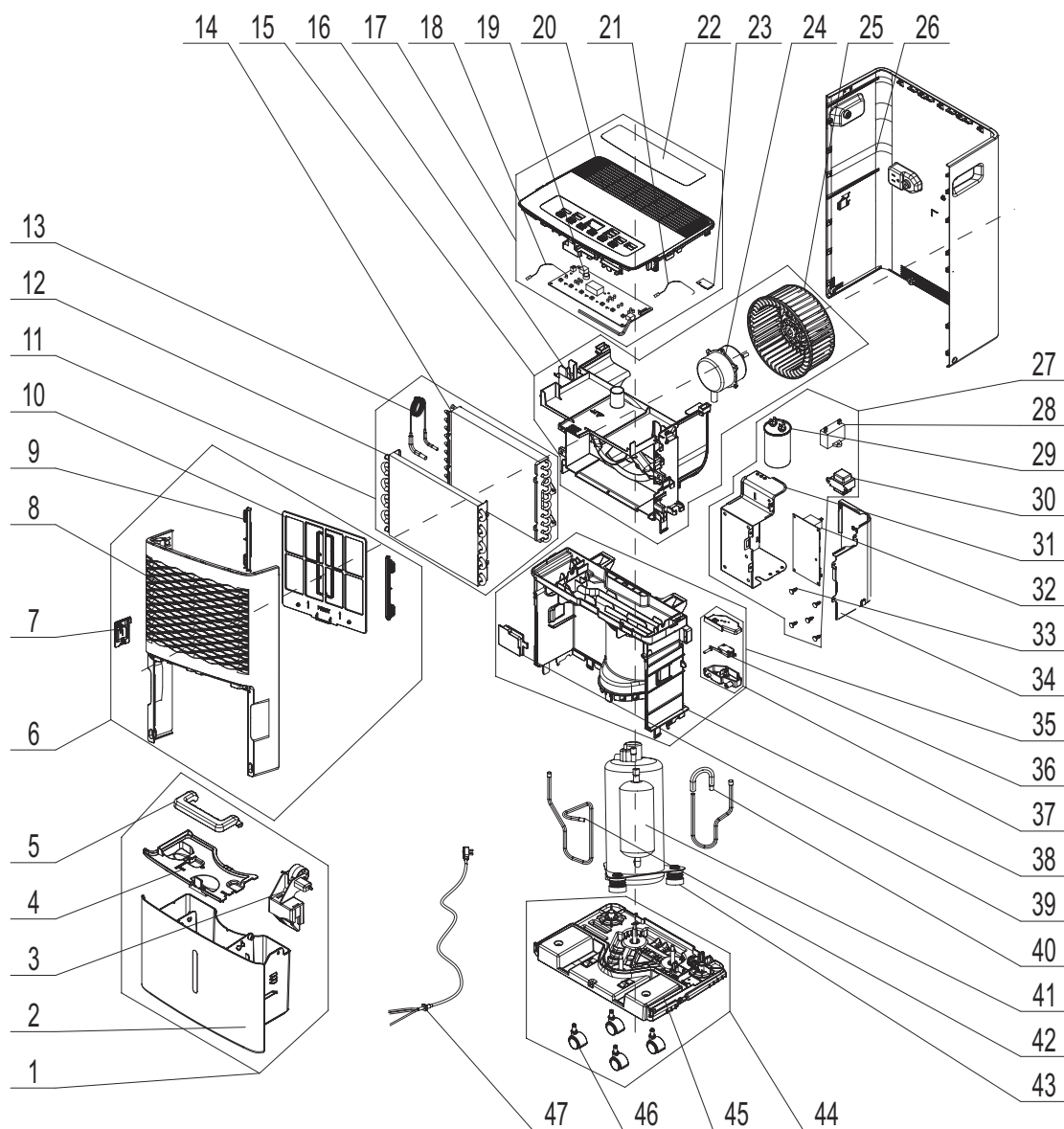
The data above are subject to change without notice.

NO.	Description	Part Code	Qty
		GDN50BA-A3EBA3B	
	Product code	CK051040900	
1	Water Tank Assy	01500500001202	1
2	Water Tank Sub-Assy	21900100000602	1
3	Float meter sub-assy	2611652105	1
4	Joint sub- assy	00029300001	1
5	Water Tank Cover	20010400000602	1
6	Handle(Water Tank)	2623601006	1
7	Front Case Assy	000042060007	1
8	Shield Sub-assy	209039060005	1
9	Guide Strip	20024000000602	1
10	Front Case	200083060005S	1
11	Cover Plate(Keep Draining)	20007600000404	1
12	Guide Strip	20024000000502	1
13	Filter Sub-Assy	111001000033	1
14	Heat-exchange Equipment	011004060033P	1
15	Evaporator Sub-Assy	010001060336P	1
16	Capillary Sub-assy	030006060887	1
17	Condenser Sub-Assy	010002060146P	1
18	Top Cover Assy	00009700011002	1
19	Temperature Sensor	390000595	1
20	Display Board	300001000218	1
21	Coping	20010600000609	1
22	Membrane	600006000059	1
23	Temperature Sensor	390000595	1
24	Detecting Plate	300018000034	1
25	Air Flue Assy	00001106006301	1
26	Diversion Circle	200150000005	1
27	Fan Motor	1501603812	1
28	Centrifugal Fan	10300300000701	1
29	Rear Case	20014106000601	1
30	PE tube	128402552	5
31	Electric Box Cover	012020000057A	1
32	Electric Box Assy	10000206801401	1
33	Capacitor CBB65	3300008116	1
34	Transformer	4311024704	1
35	Electric Box	012017000086	1
36	Main Board	300002061186	1
37	Capacitor CBB61	3301074732	1
38	Capacitor Clamp	02141381	1
39	Partition Pole (PC board)	76711016	5
40	Water Tray Assy	000069060242	1
41	Liquid Level Switch Sub-assy	00019400005	1
42	Water Tray Sub-Assy	209041060031	1
43	Inching Switch	45016514	1
44	Water Tray	200063060016	1
45	Baffle Plate (Water tray)	20001200000802	1
46	Discharge Tube	030013061356	1
47	Compressor and Fittings	009001060535	1
48	Inhalation Tube Sub-assy	030010061099	1
49	Compressor Gasket	76716062	3
50	Power Cord	40000200000512	1
51	Chassis Assy	20905800003603	1
52	Castor	24236017	4
53	Chassis Sub-assy	20902000000503	1
54	Inching Switch	45016514	1
55	Liquid Level Switch Sub-assy	00019400005	1
56	Cover Plate	012035000059	1
57	Press Plate	26116172	2
58	Water Pump	43138011	1

59	Drainage Joint	20003800001	1
60	Pump Box	200043000002	1
61	Flathead two-way joint	128402505	1
62	Joint	20010900001	1

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GDN30AZ-A3EBA2C GDN20AZ-A3EBA2A GDN20AZ-A3EBA3A GDN35AZ-A3EBA2A
 GDN35AZ-A3EBA3A GDN22AZ-A3EBA2A GDN22AZ-A3EBA3A



The component picture is only for reference; please refer to the actual product.

NO.	Description	Part Code		Qty
		GDN30AZ-A3EBA2C		
		Product code		
		CK051032000	CK051032001	
1	Water Tank Assy	015005000004	015005000004	1
2	Water Tank Sub-Assy	219001000004	219001000004	1
3	Float meter sub-assy	2611652105	2611652105	1
4	Water Tank Cover	200104000005	200104000005	1
5	Handle	2623601006	2623601006	1
6	Front Case Assy	00004200000701	00004200000701	1
7	Cover Plate(Keep Draining)	20007600000301	20007600000301	1
8	Front Case	20008300001101S	20008300001101S	1
9	Guide Strip	20024000000701	20024000000701	2
10	Filter Sub-Assy	11126032	11126032	1
11	Heat-exchange Equipment	011004000015	011004000015	1
12	Evaporator Sub-Assy	01036123	01036123	1
13	Capillary Sub-assy	030006000460	030006000460	1
14	Condenser Sub-Assy	010002000067	010002000067	1
15	Air Flue Assy	00001100002301	000011000023	1
16	Diversion Circle	200150000004	200150000004	1
17	Top Cover Assy	00009700011201	00009700011201	1
18	Temperature Sensor	39000077	39000077	1
19	Display Board	300001000216	300001000216	1
20	Coping	20010600000502	20010600000502	1
21	Temperature Sensor	39000081	39000081	1
22	Membrane	600006000058	600006000058	1
23	Detecting Plate	300018000034	300018000034	1
24	Fan Motor	1501605707	1501605707	1
25	Centrifugal Fan	10300300000401	103003000004	1
26	Rear Case	200141000001	200141000001	1
27	Electric Box Assy	100002001130	100002001130	1
28	Capacitor CBB61	3301074725	3301074725	1
29	Capacitor CBB65	3300008115	3300008115	1
30	Transformer	4311024704	4311024704	1
31	Electric Box	012017000086A	012017000086	1
32	Main Board	300002000394	300002000394	1
33	Partition Pole (PC board)	7671101601	7671101601	5
34	Electric Box Cover	012020000057A	012020000057A	1
35	Water Tray Assy	000069000041	000069000041	1
36	Liquid Level Switch Sub-assy	000194000005	000194000005	1
37	Inching Switch	45016514	45016514	1
38	Water Tray	200063000008	200063000008	1
39	Baffle Plate (Water tray)	200012000008	200012000008	1
40	Inhalation Tube Sub-assy	03636629	03636629	1
41	Compressor and Fittings	009001000121	009001000121	1
42	Discharge Tube	035008000747	035008000747	1
43	Compressor Gasket	009012000018	009012000018	3
44	Chassis Assy	20905800003501	20905800003501	1
45	Chassis Sub-assy	20902000000401	20902000000401	1
46	Castor	24236017	24236017	4
47	Power Cord	40000200000503	40000200000503	1

The data above are subject to change without notice.

NO.	Description	Part Code		Qty
		GDN20AZ-A3EBA2A	GDN20AZ-A3EBA3A	
	Product code	CK051037000	CK051038300	
1	Water Tank Assy	015005000004	015005000004	1
2	Water Tank Sub-Assy	219001000004	219001000004	1
3	Float meter sub-assy	2611652105	2611652105	1
4	Water Tank Cover	200104000005	200104000005	1
5	Handle	2623601006	2623601006	1
6	Front Case Assy	00004200000701	000042060011	1
7	Cover Plate(Keep Draining)	20007600000301	20007600000301	1
8	Front Case	20008300001101S	200083060004S	1
9	Guide Strip	20024000000701	20024000000701	2
10	Filter Sub-Assy	11126032	11126032	1
11	Heat-exchange Equipment	011004060024P	011004060024P	1
12	Evaporator Sub-Assy	01036123P	01036123P	1
13	Capillary Sub-assy	030006060630	030006060630	1
14	Condenser Sub-Assy	010002000067P	010002000067P	1
15	Air Flue Assy	000011060069	00001100002301	1
16	Diversion Circle	20015000000401	200150000004	1
17	Top Cover Assy	00009700011201	00009700011201	1
18	Temperature Sensor	39000077	39000077	1
19	Display Board	300001000216	300001000216	1
20	Coping	20010600000502	20010600000502	1
21	Temperature Sensor	39000081	39000077	1
22	Membrane	600006000058	600006000058	1
23	Detecting Plate	300018000034	300018000034	1
24	Fan Motor	1501605707	1501605707	1
25	Centrifugal Fan	10300300000401	10300300000401	1
26	Rear Case	20014100000101	200141000001	1
27	Electric Box Assy	100002001130	100002001130	1
28	Capacitor CBB61	3301074725	3301074725	1
29	Capacitor CBB65	3300008115	3300008115	1
30	Transformer	4311024704	4311024704	1
31	Electric Box	012017000086A	012017000086	1
32	Main Board	300002000394	300002000394	1
33	Partition Pole (PC board)	7671101601	7671101601	5
34	Electric Box Cover	012020000057A	012020000057A	1
35	Water Tray Assy	000069060198	000069000041	1
36	Liquid Level Switch Sub-assy	000194000005	000194000005	1
37	Inching Switch	45016514	45016514	1
38	Water Tray	20006300000801	200063000008	1
39	Baffle Plate (Water tray)	20001200000803	200012000008	1
40	Inhalation Tube Sub-assy	03636629	03636629	1
41	Compressor and Fittings	009001000121	009001000121	1
42	Discharge Tube	035008000747	035008000747	1
43	Compressor Gasket	009012000018	009012000018	3
44	Chassis Assy	209058060191	20905800003501	1
45	Chassis Sub-assy	20902000000402	20902000000401	1
46	Castor	24236017	24236017	4
47	Power Cord	40000200000503	40000200000503	1

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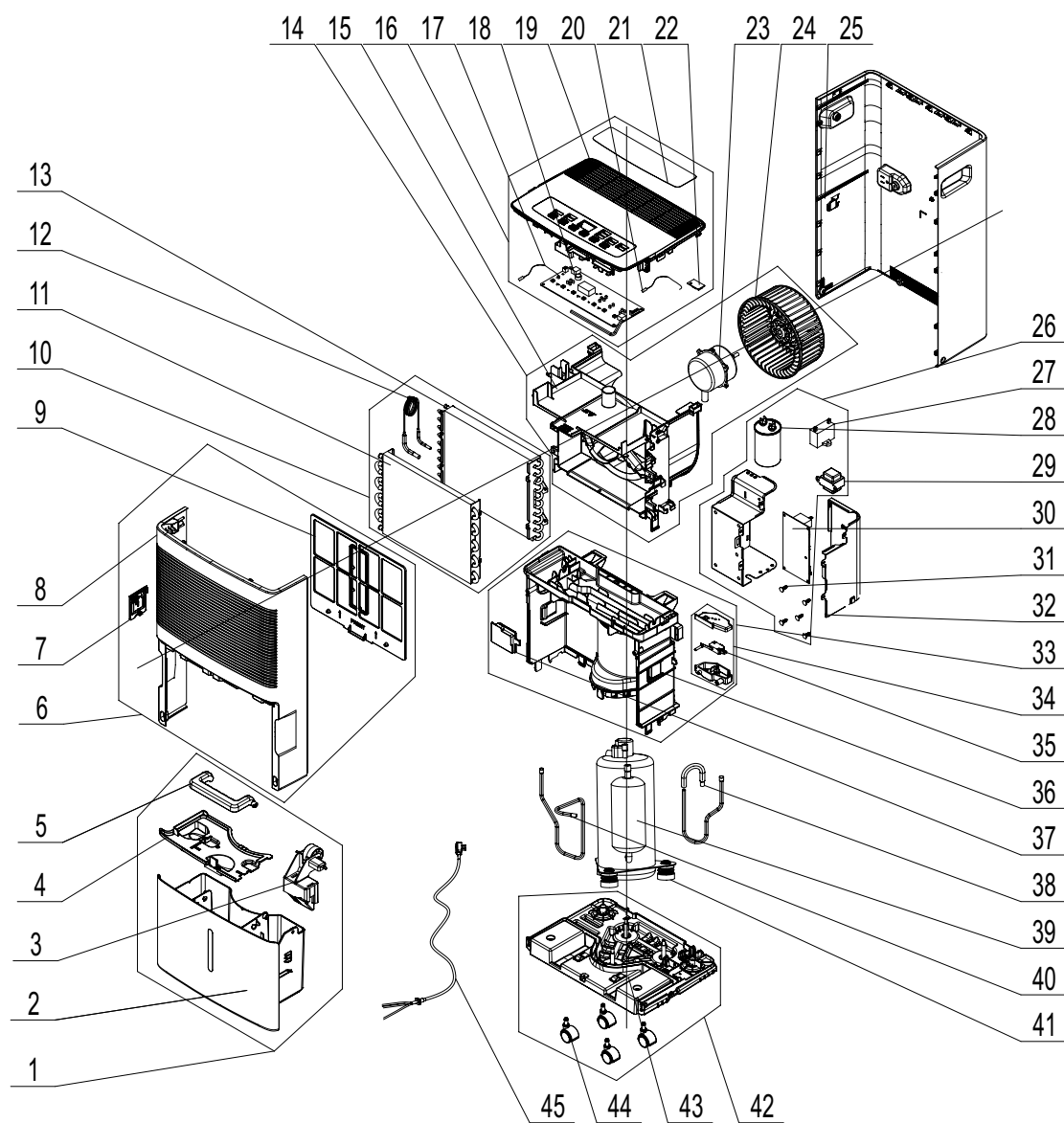
NO.	Description	Part Code		Qty
		GDN35AZ-A3EBA2A	GDN35AZ-A3EBA3A	
	Product code	CK051045000	CK051045100	
1	Water Tank Assy	015005000004	015005000004	1
2	Water Tank Sub-Assy	219001000004	219001000004	1
3	Float meter sub-assy	2611652105	2611652105	1
4	Water Tank Cover	200104000005	200104000005	1
5	Handle	2623601006	2623601006	1
6	Front Case Assy	000042060030	000042060029	1
7	Cover Plate(Keep Draining)	20007600000301	20007600000301	1
8	Front Case	20008300001101S	200083060004S	1
9	Guide Strip	20024000000701	20024000000701	2
10	Filter Sub-Assy	111001060232	111001060232	1
11	Heat-exchange Equipment	011004060043P	011004060043P	1
12	Evaporator Sub-Assy	010001060475P	010001060475P	1
13	Capillary Sub-assy	030006061065	030006061065	1
14	Condenser Sub-Assy	010002060405P	010002060405P	1
15	Air Flue Assy	000011060143	000011060143	1
16	Diversion Circle	200150060028	200150060028	1
17	Top Cover Assy	000097060412	000097060412	1
18	Temperature Sensor	39000077	39000077	1
19	Display Board	300001000216	300001000216	1
20	Coping	200106060052	200106060052	1
21	Temperature Sensor	39000081	39000081	1
22	Membrane	600006000058	600006000058	1
23	Detecting Plate	300018000034	300018000034	1
24	Fan Motor	15010106011903	15010106011903	1
25	Centrifugal Fan	103003060010	103003060010	1
26	Rear Case	200141000001	200141000001	1
27	Electric Box Assy	100002071573	100002071573	1
28	Capacitor CBB61	3301074732	3301074732	1
29	Capacitor CBB65	3300008117	3300008117	1
30	Transformer	4311024704	4311024704	1
31	Electric Box	012017000086	012017000086	1
32	Main Board	300002061170	300002061170	1
33	Partition Pole (PC board)	76711016	76711016	5
34	Electric Box Cover	012020000057A	012020000057A	1
35	Water Tray Assy	000069060374	000069060374	1
36	Liquid Level Switch Sub-assy	000194000005	000194000005	1
37	Inching Switch	45016514	45016514	1
38	Water Tray	200063060025	200063060025	1
39	Baffle Plate (Water tray)	20001200000802	20001200000802	1
40	Inhalation Tube Sub-assy	030010061317	030010061317	1
41	Compressor and Fittings	009001060421	009001060421	1
42	Discharge Tube	035008061697	035008061697	1
43	Compressor Gasket	009012000018	009012000018	3
44	Chassis Assy	209058060279	209058060279	1
45	Chassis Sub-assy	209020060039	209020060039	1
46	Castor	24236017	24236017	4
47	Power Cord	40000200000503	40000200000503	1

The data above are subject to change without notice.

NO.	Description	Part Code		Qty
		GDN22AZ-A3EBA2A	GDN22AZ-A3EBA3A	
	Product code	CK051045300	CK051045600	
1	Water Tank Assy	015005000004	015005000004	1
2	Water Tank Sub-Assy	219001000004	219001000004	1
3	Float meter sub-assy	2611652105	2611652105	1
4	Water Tank Cover	200104000005	200104000005	1
5	Handle	2623601006	2623601006	1
6	Front Case Assy	00004200000701	000042060011	1
7	Cover Plate(Keep Draining)	20007600000301	20007600000301	1
8	Front Case	20008300001101S	200083060004S	1
9	Guide Strip	20024000000701	20024000000701	2
10	Filter Sub-Assy	11126032	11126032	1
11	Heat-exchange Equipment	011004060047P	011004060047P	1
12	Evaporator Sub-Assy	01036123P	01036123P	1
13	Capillary Sub-assy	030006061252	030006061252	1
14	Condenser Sub-Assy	010002060475P	010002060475P	1
15	Air Flue Assy	00001100002301	00001100002301	1
16	Diversion Circle	200150000004	200150000004	1
17	Top Cover Assy	00009700011201	00009700011201	1
18	Temperature Sensor	39000077	39000077	1
19	Display Board	300001000216	300001000216	1
20	Coping	20010600000502	20010600000502	1
21	Temperature Sensor	39000077	39000077	1
22	Membrane	600006000058	600006000058	1
23	Detecting Plate	300018000034	300018000034	1
24	Fan Motor	1501605707	1501605707	1
25	Centrifugal Fan	10300300000401	10300300000401	1
26	Rear Case	200141000001	200141000001	1
27	Electric Box Assy	100002001130	100002001130	1
28	Capacitor CBB61	3301074725	3301074725	1
29	Capacitor CBB65	3300008115	3300008115	1
30	Transformer	4311024704	4311024704	1
31	Electric Box	012017000086	012017000086	1
32	Main Board	300002000394	300002000394	1
33	Partition Pole (PC board)	7671101601	7671101601	5
34	Electric Box Cover	012020000057A	012020000057A	1
35	Water Tray Assy	000069000041	000069000041	1
36	Liquid Level Switch Sub-assy	000194000005	000194000005	1
37	Inching Switch	45016514	45016514	1
38	Water Tray	200063000008	200063000008	1
39	Baffle Plate (Water tray)	200012000008	200012000008	1
40	Inhalation Tube Sub-assy	030010061494	030010061494	1
41	Compressor and Fittings	009001000121	009001000121	1
42	Discharge Tube	035008000747	035008000747	1
43	Compressor Gasket	009012000018	009012000018	3
44	Chassis Assy	20905800003501	20905800003501	1
45	Chassis Sub-assy	20902000000401	20902000000401	1
46	Castor	24236017	24236017	4
47	Power Cord	40000200000503	40000200000503	1

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GDN20AZ-A3EBA4A GDN35AZ-A3EBA4A GDN22AZ-A3EBA4A

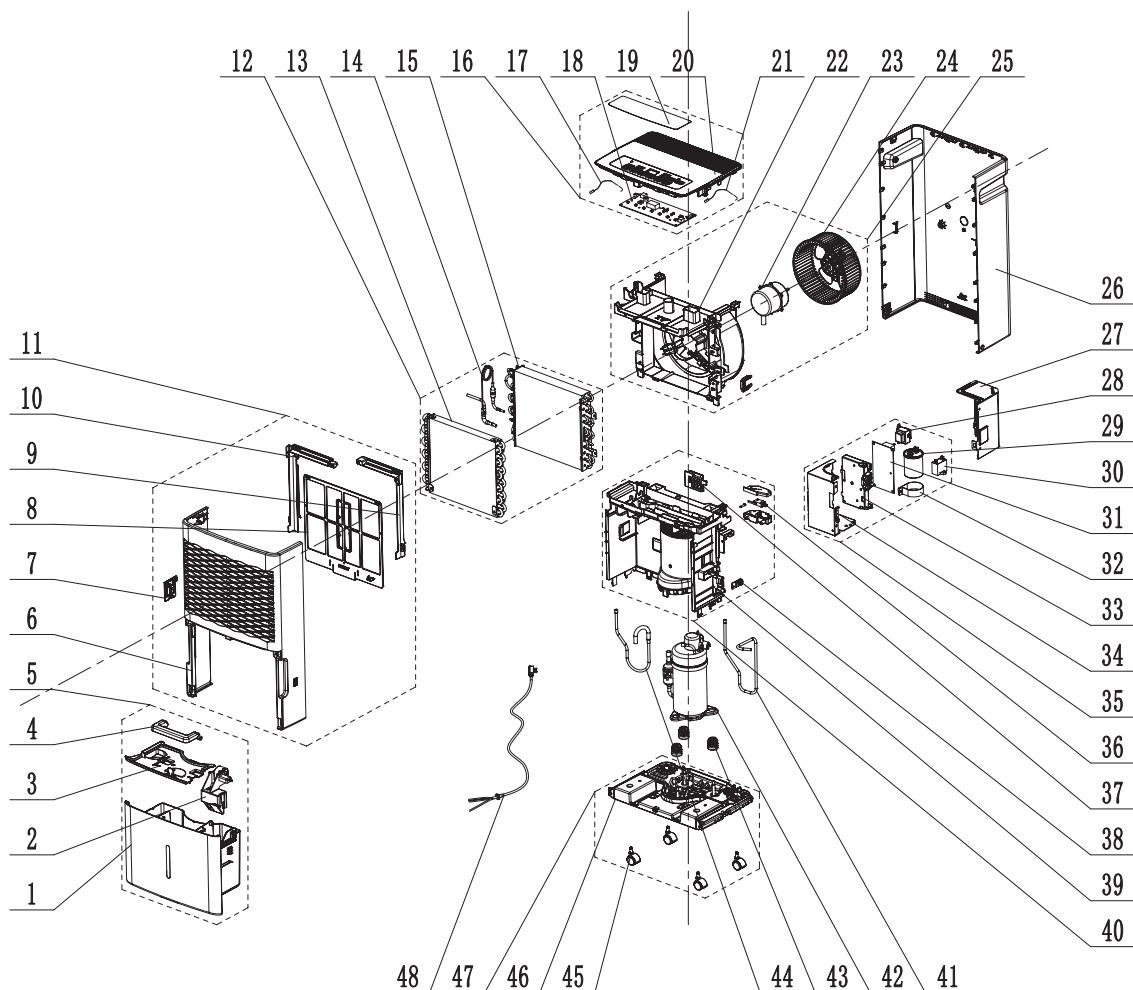


The component picture is only for reference; please refer to the actual product.

NO.	Description	Part Code		Qty
		GDN20AZ-A3EBA4A	GDN35AZ-A3EBA4A	
	Product code	CK051038200	CK051044500	
1	Water Tank Assy	015005000004	015005000004	1
2	Water Tank Sub-Assy	219001000004	219001000004	1
3	Float meter sub-assy	2611652105	2611652105	1
4	Water Tank Cover	200104000005	200104000005	1
5	Handle	2623601006	2623601006	1
6	Shield Sub-assy	000042060009	000042060028	1
7	Cover Plate(Keep Draining)	20007600000301	20007600000301	1
8	Front Case	200083060006S	200083060006S	1
9	Filter Sub-Assy	11126032	111001060232	1
10	Heat-exchange Equipment	011004060024P	011004060043P	1
11	Evaporator Sub-Assy	01036123P	010001060475P	1
12	Capillary Sub-assy	030006060630	030006061065	1
13	Condenser Sub-Assy	010002000067P	010002060405P	1
14	Air Flue Assy	00001100002301	000011060143	1
15	Diversion Circle	200150000004	200150060028	1
16	Top Cover Assy	00009700011201	000097060412	1
17	Temperature Sensor	39000077	39000077	1
18	Display Board	300001000216	300001000216	1
19	Coping	20010600000502	200106060052	1
20	Temperature Sensor	39000077	39000081	1
21	Membrane	600006000058	600006000058	1
22	Detecting Plate	300018000034	300018000034	1
23	Fan Motor	1501605707	15010106011903	1
24	Centrifugal Fan	10300300000401	103003060010	1
25	Rear Case	200141000001	200141000001	1
26	Electric Box Assy	100002001130	100002071573	1
27	Capacitor CBB61	3301074725	3301074732	1
28	Capacitor CBB65	3300008115	3300008117	1
29	Transformer	4311024704	4311024704	1
30	Main Board	300002000394	300002061170	1
31	Partition Pole (PC board)	7671101601	76711016	5
32	Electric Box Cover	012020000057A	012020000057A	1
33	Water Tray Assy	000069000041	000069060374	1
34	Liquid Level Switch Sub-assy	000194000005	000194000005	1
35	Inching Switch	45016514	45016514	1
36	Water Tray	200063000008	200063060025	1
37	Baffle Plate (Water tray)	200012000008	20001200000802	1
38	Inhalation Tube Sub-assy	03636629	030010061317	1
39	Compressor and Fittings	009001000121	009001060421	1
40	Discharge Tube	035008000747	035008061697	1
41	Compressor Gasket	009012000018	009012000018	3
42	Chassis Assy	20905800003501	209058060279	1
43	Chassis Sub-assy	20902000000401	209020060039	1
44	Castor	24236017	24236017	4
45	Power Cord	40000200000503	40000200000503	1

The data above are subject to change without notice.

GDN50BB-A3EBA2A GDN30BB-A3EBA2B GDN30BB-A3EBA4A GDN30BB-A3EBA3A GDN35BB-A3EBA3A
GDN35BB-A3EBA4A GDN35BB-A3EBA2A



The component picture is only for reference; please refer to the actual product.

NO.	Description	Part Code			Qty
		GDN50BB-A3EBA2A	GDN30BB-A3EBA2B	GDN35BB-A3EBA3A	
	Product code	CK051035900	CK051037100	CK051040000	
1	Water Tank Sub-Assy	219001060001	219001060001	219001060001	1
2	Float meter sub-assy	2611652105	2611652105	2611652105	1
3	Water Tank Cover	200104060001	200104060001	200104060001	1
4	Handle	2623601006	2623601006	2623601006	1
5	Water Tank Assy	015005060004	015005060004	015005060004	1
6	Front Case	200083060003	200083060003	200083060007S	1
7	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
8	Filter Sub-Assy	111001060060	111001060060	111001060060	1
9	Guide Strip	200240060008	200240060008	200240060008	1
10	Guide Strip	200240060007	200240060007	200240060007	1
11	Front Case Assy	000042060002	000042060002	000042060010	1
12	Heat-exchange Equipment	011004060009P	011004060009P	011004060027P	1
13	Evaporator Sub-Assy	010001060162P	010001060162P	010001060162P	1
14	Capillary Sub-assy	030006060399	030006060399	030006060705	1
15	Condenser Sub-Assy	010002060108P	010002060108P	010002060246P	1
16	Top Cover Assy	000097060113	000097060113	000097060113	1
17	Temperature Sensor	390001060019	390001060019	390001060019	1
18	Display Board	300001060462	300001060462	300001060462	1
19	Membrane	600006060100	600006060100	600006060100	1
20	Coping	200106060012	200106060012	200106060012	1
21	Temperature Sensor	39000077	39000077	39000077	1
22	Diversion Circle	200150060007	20015006000701	20015006000701	1
23	Fan Motor	150101060119	150101060119	150101060119	1
24	Centrifugal Fan	103003060010	103003060010	103003060010	1
25	Air Flue Assy	000011060029	000011060070	000011060070	1
26	Rear Case	200141060003	20014106000301	20014106000301	1
27	Electric Box Cover	012020060179	012020060179	012020060179	1
28	Transformer	4311024704	4311024704	4311024704	1
29	Capacitor CBB65	3300008118	3300008118	3300008117	1
30	Capacitor CBB61	3301074732	3301074732	3301074732	1
31	Main Board	300002000394	300002000394	300002061170	1
32	Capacitor Clamp	02141381	02141381	02141381	1
33	fixed support (mainboard)	200115060010	200115060010	200115060010	1
34	Electric Box	012017060235	012017060235	012017060235	1
35	Electric Box Assy	100002063497	100002063497	100002067863	1
36	Inching Switch	45016514	45016514	45016514	1
37	Baffle Plate (Water tray)	20001200000802	20001200000802	20001200000802	1
38	Humidity Sensor	32210113	32210113	32210113	1
39	Water Tray	200063060002	20006306000201	20006306000201	1
40	Water Tray Assy	000069060084	000069060195	000069060195	1
41	Discharge Tube	035008060878	035008061360	035008061697	1
42	Compressor and Fittings	009001060202	009001060328	009001060328	1
43	Compressor Gasket	009012060005	009012060005	009012000018	3
44	Inhalation Tube Sub-assy	030010060424	030010060424	030010060424	1
45	Castor	24236017	24236017	24236017	4
46	Chassis Sub-assy	209020060016	20902006001601	20902006001601	1
47	Chassis Assy	209058060109	209058060192	209058060192	1
48	Power Cord	40000200000503	40000200000503	40000200000503	1

The data above are subject to change without notice.

NO.	Description	Part Code			Qty
		GDN30BB-A3EBA4A	GDN30BB-A3EBA3A	GDN35BB-A3EBA2A	
	Product code	CK051038100	CK051038500	CK051039800	
1	Water Tank Sub-Assy	219001060001	219001060001	219001060001	1
2	Float meter sub-assy	2611652105	2611652105	2611652105	1
3	Water Tank Cover	200104060001	200104060001	200104060001	1
4	Handle	2623601006	2623601006	2623601006	1
5	Water Tank Assy	015005060004	015005060004	015005060004	1
6	Front Case	200083060008S	200083060007S	200083060003	1
7	Cover Plate(Keep Draining)	20007600000404	20007600000404	20007600000404	1
8	Filter Sub-Assy	111001060060	111001060060	111001060060	1
9	Guide Strip	200240060007	200240060007	200240060008	1
10	Guide Strip	200240060007	200240060007	200240060007	1
11	Front Case Assy	000042060008	000042060010	000042060002	1
12	Heat-exchange Equipment	011004060009P	011004060009P	011004060027P	1
13	Evaporator Sub-Assy	010001060162P	010001060162P	010001060162P	1
14	Capillary Sub-assy	030006060399	030006060399	030006060705	1
15	Condenser Sub-Assy	010002060108P	010002060108P	010002060246 P	1
16	Top Cover Assy	000097060113	000097060113	000097060113	1
17	Temperature Sensor	39000077	39000077	390001060019	1
18	Display Board	300001060462	300001060462	300001060462	1
19	Membrane	600006060100	600006060100	600006060100	1
20	Coping	200106060012	200106060012	200106060012	1
21	Temperature Sensor	39000077	39000077	39000077	1
22	Diversion Circle	200150060007	200150060007	20015006000701	1
23	Fan Motor	150101060119	150101060119	150101060119	1
24	Centrifugal Fan	103003060010	103003060010	103003060010	1
25	Air Flue Assy	000011060029	000011060029	000011060070	1
26	Rear Case	200141060003	200141060003	20014106000301	1
27	Electric Box Cover	012020060179	012020060179	012020060179	1
28	Transformer	4311024704	4311024704	4311024704	1
29	Capacitor CBB65	3300008118	3300008118	3300008117	1
30	Capacitor CBB61	3301074732	3301074732	3301074732	1
31	Main Board	300002000394	300002000394	300002061170	1
32	Capacitor Clamp	02141381	02141381	02141381	1
33	fixed support (mainboard)	200115060010	200115060010	200115060010	1
34	Electric Box	012017060235	012017060235	012017060235	1
35	Electric Box Assy	100002063497	100002063497	100002067863	1
36	Inching Switch	45016514	45016514	45016514	1
37	Baffle Plate (Water tray)	20001200000802	20001200000802	20001200000802	1
38	Humidity Sensor	32210113	32210113	32210113	1
39	Water Tray	200063060002	200063060002	20006306000201	1
40	Water Tray Assy	000069060084	000069060084	000069060195	1
41	Discharge Tube	035008061360	035008061360	035008061697	1
42	Compressor and Fittings	009001060328	009001060328	009001060328	1
43	Compressor Gasket	009012060005	009012060005	009012000018	3
44	Inhalation Tube Sub-assy	030010060424	030010060424	030010060424	1
45	Castor	24236017	24236017	24236017	4
46	Chassis Sub-assy	209020060016	209020060016	20902006001601	1
47	Chassis Assy	209058060109	209058060109	209058060192	1
48	Power Cord	40000200000503	40000200000503	40000200000503	1

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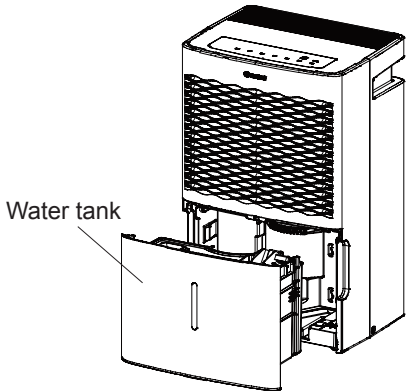
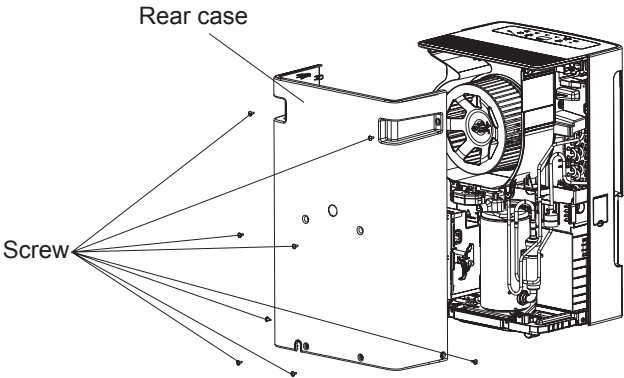
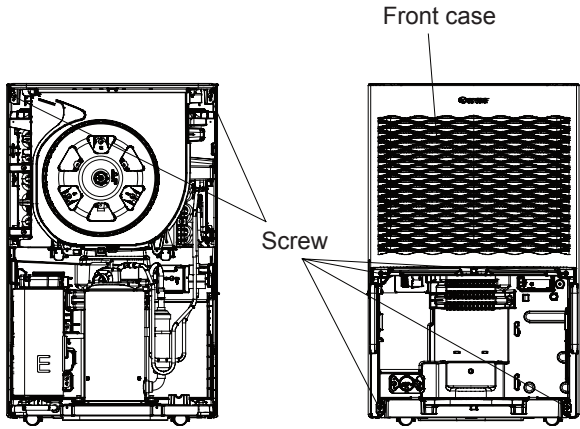
NO.	Description	Part Code	Qty
		GDN35BB-A3EBA4A	
	Product code	CK051040200	
1	Water Tank Sub-Assy	219001060001	1
2	Float meter sub-assy	2611652105	1
3	Water Tank Cover	200104060001	1
4	Handle	2623601006	1
5	Water Tank Assy	015005060004	1
6	Front Case	200083060008S	1
7	Cover Plate(Keep Draining)	20007600000404	1
8	Filter Sub-Assy	111001060060	1
9	Guide Strip	200240060007	1
10	Guide Strip	200240060007	1
11	Front Case Assy	000042060008	1
12	Heat-exchange Equipment	011004060027P	1
13	Evaporator Sub-Assy	010001060162P	1
14	Capillary Sub-assy	030006060705	1
15	Condenser Sub-Assy	010002060246P	1
16	Top Cover Assy	000097060113	1
17	Temperature Sensor	39000077	1
18	Display Board	300001060462	1
19	Membrane	600006060100	1
20	Coping	200106060012	1
21	Temperature Sensor	39000077	1
22	Diversion Circle	200150060007	1
23	Fan Motor	150101060119	1
24	Centrifugal Fan	103003060010	1
25	Air Flue Assy	000011060029	1
26	Rear Case	200141060003	1
27	Electric Box Cover	012020060179	1
28	Transformer	4311024704	1
29	Capacitor CBB65	3300008117	1
30	Capacitor CBB61	3301074732	1
31	Main Board	300002061170	1
32	Capacitor Clamp	02141381	1
33	fixed support (mainboard)	200115060010	1
34	Electric Box	012017060235	1
35	Electric Box Assy	100002067863	1
36	Inching Switch	45016514	1
37	Baffle Plate (Water tray)	20001200000802	1
38	Humidity Sensor	32210113	1
39	Water Tray	200063060002	1
40	Water Tray Assy	000069060084	1
41	Discharge Tube	035008061697	1
42	Compressor and Fittings	009001060421	1
43	Compressor Gasket	009012000018	3
44	Inhalation Tube Sub-assy	030010060424	1
45	Castor	24236017	4
46	Chassis Sub-assy	209020060016	1
47	Chassis Assy	209058060109	1
48	Power Cord	40000200000503	1

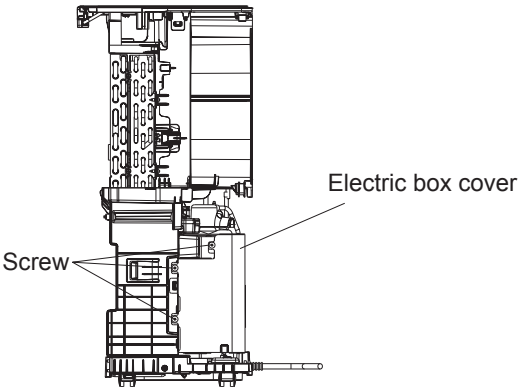
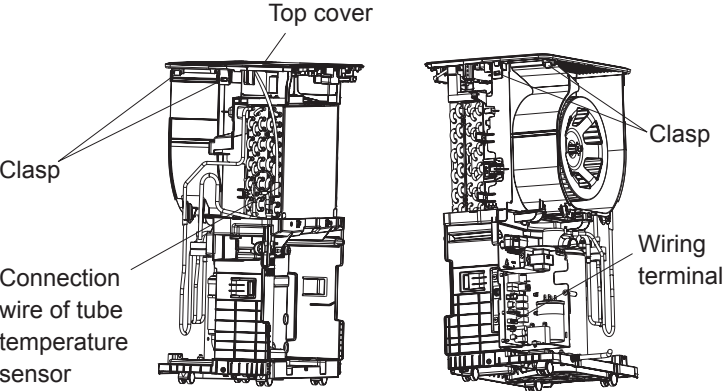
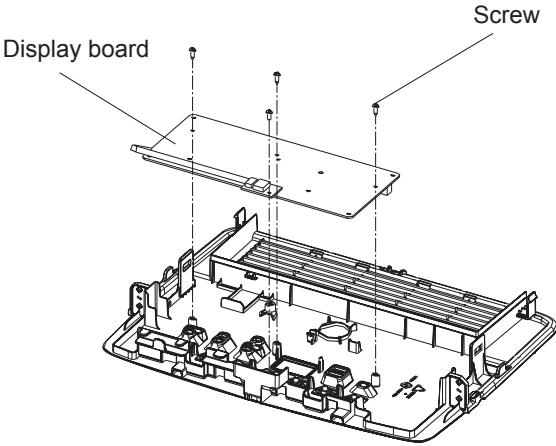
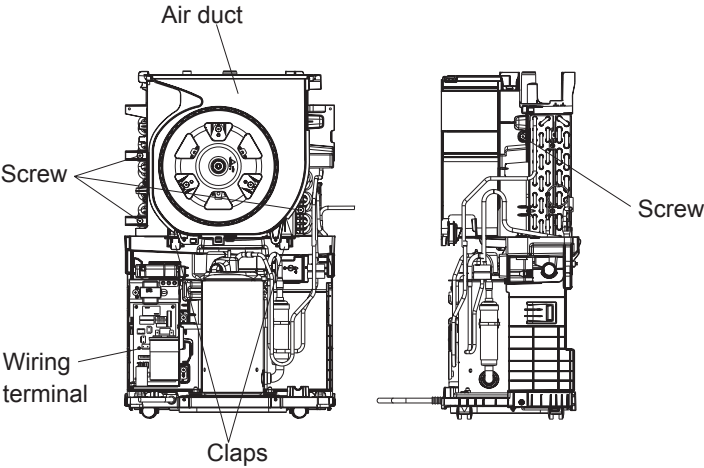
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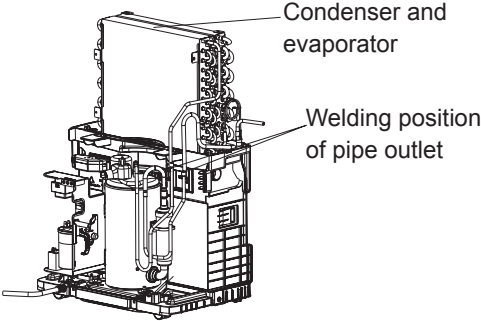
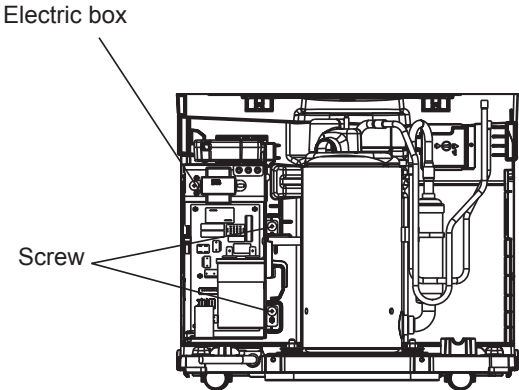
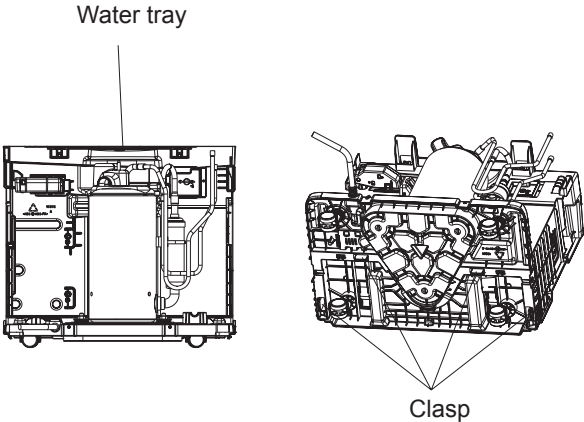
10. Removal Procedure

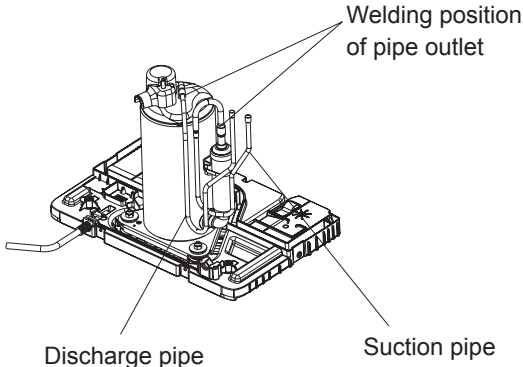
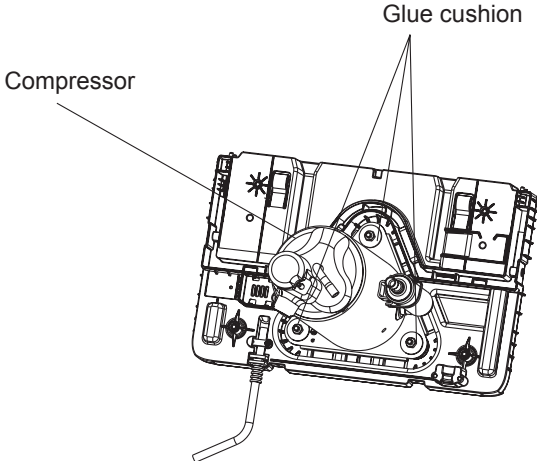
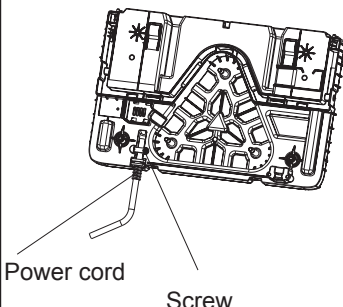
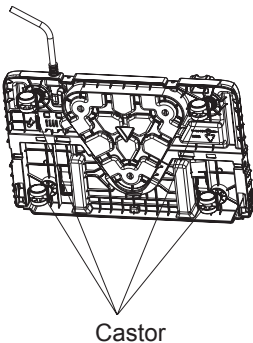
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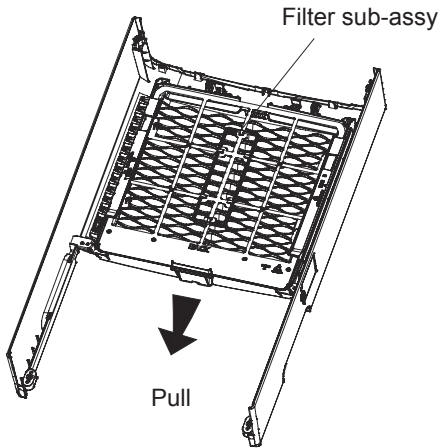
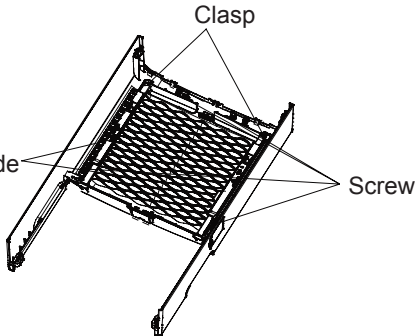
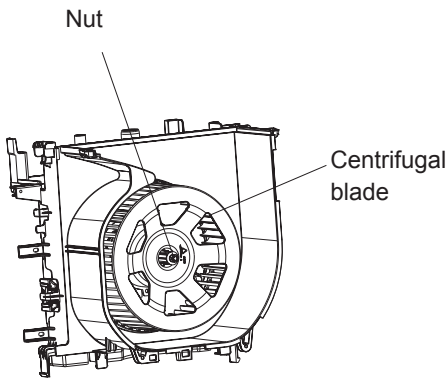
Warning: disconnect power supply before removal; discharge the refrigerant completely before unsoldering the pipes.

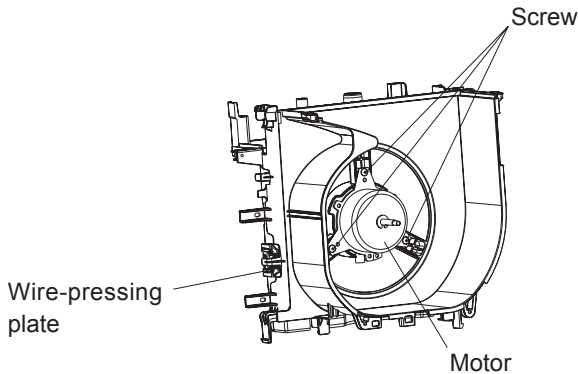
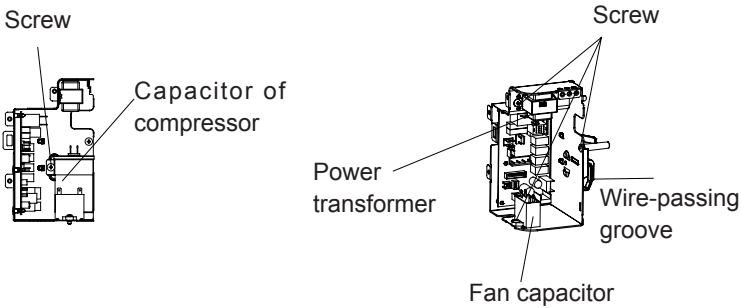
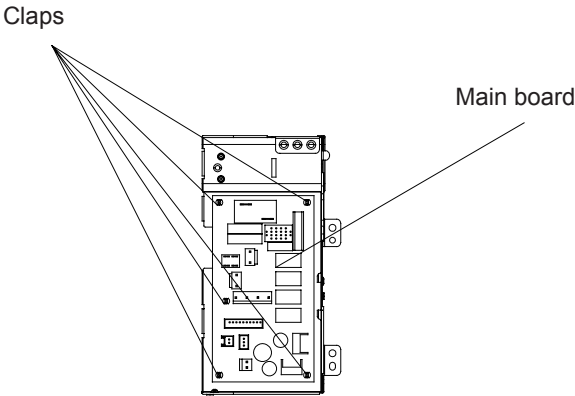
Step	Procedure
1. Disassembly diagram of unit	
Draw out the water tank	 Water tank
2. Remove rear case	
Loose 8 screws on rear case and then remove the rear case.	 Rear case Screw
3. Remove front case	
Loose 6 screws on the front case, and then remove the front case.	 Front case Screw

Step	Procedure	
4. Remove electric box cover		
	Loose 3 screws on the electric box cover, and then remove the electric box cover.	
5. Remove top cover		
	Loose connection wires of tube temperature sensor, pull out the wiring terminal, loose 4 clasps on the top cover and then remove the top cover.	
6. Remove display board		
	Remove 3 screws used for fixing the display board and 1 screw used for fixing the humidity sensor, separate the display board from the clasp and then remove the display board.	
7. Remove air duct		
	Pull out the wiring terminal, loose motor wire, loose 4 screws and 4 clasps used for fixing the air duct, and then remove the air duct.	

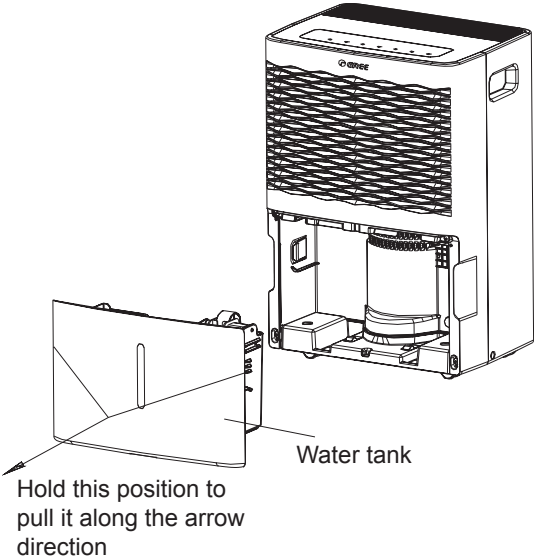
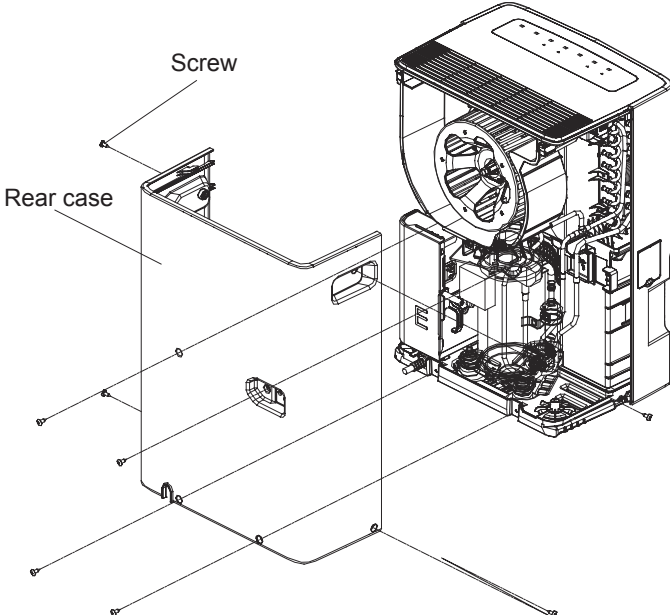
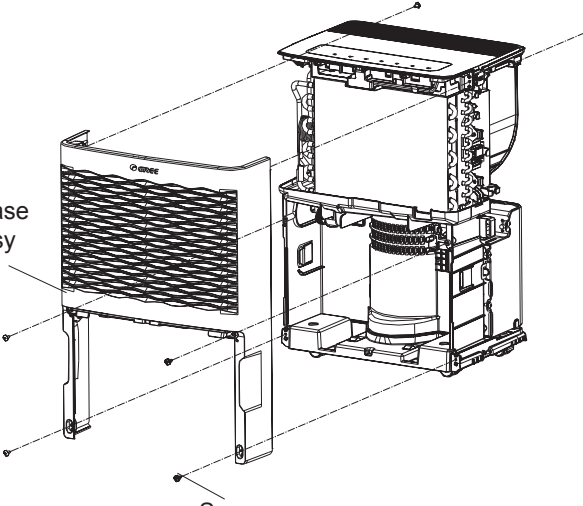
Step	Procedure
8. Remove condenser and evaporator	
Unsolder the welding position of connection pipe position of condenser and evaporator and then remove the condenser and the evaporator.	
9. Remove electric box	
Pull out all wires connected with the electric box, loose 2 screws and then remove the electric box.	
10. Remove water tray	
Loose 5 clasps connected with the chassis and then remove the water tray.	

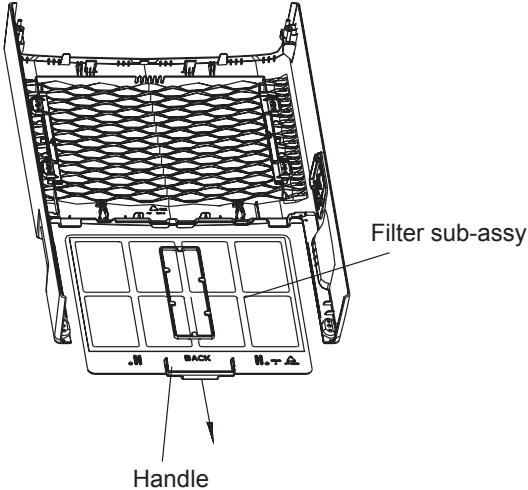
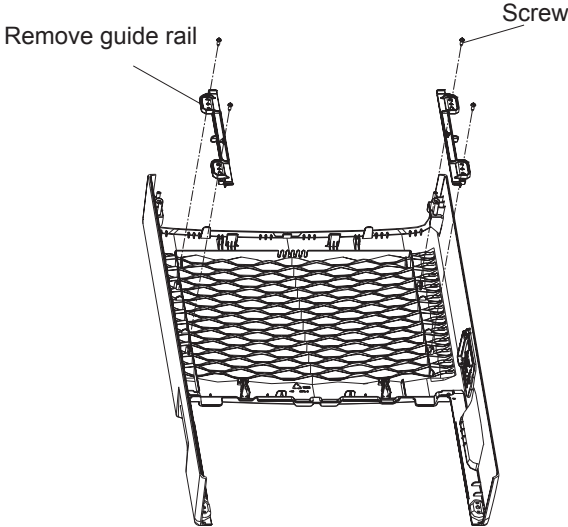
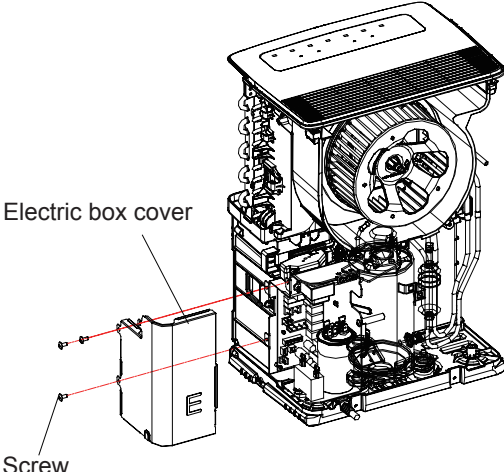
Step	Procedure	
11. Remove discharge pipe and suction pipe		
Unsolder the welding position at the pipe outlet of compressor and the take out the discharge pipe and suction pipe.		
12. Remove compressor and glue cushion		
13. Remove castor	 	

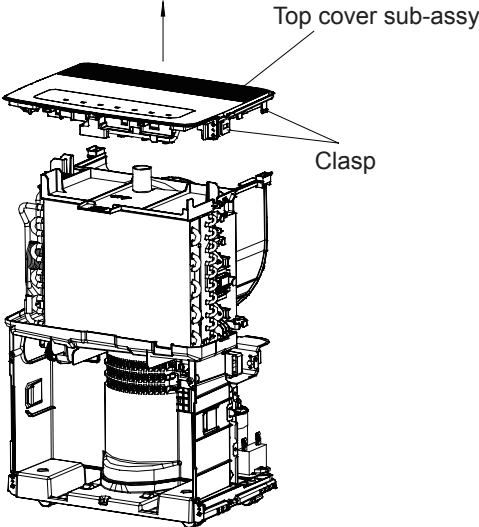
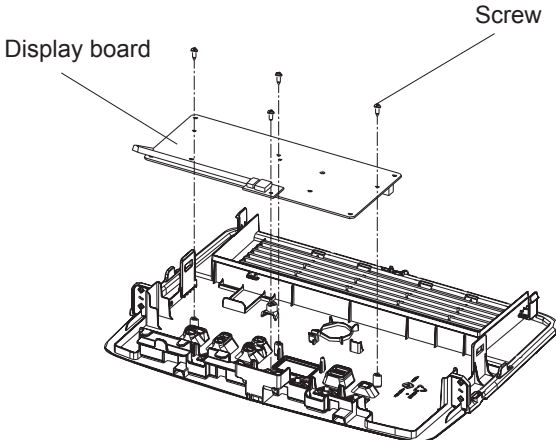
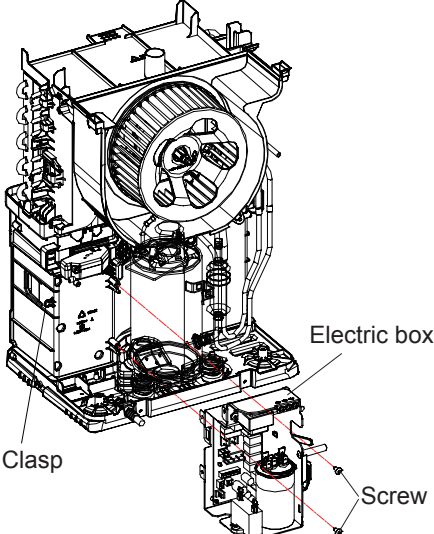
Step	Procedure
14. Remove filter sub-assy Pull out the filter sub-assy	
15. Remove left and right guide rails Loose 4 screws and 2 clasps, and then remove left and right guide rails.	
16. Remove centrifugal blade Loose 1 nut and then take out the centrifugal blade.	

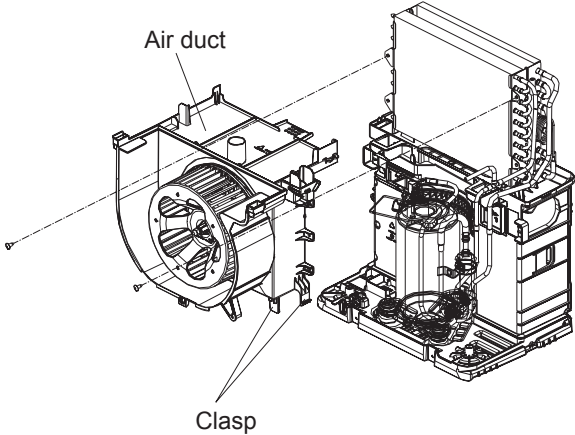
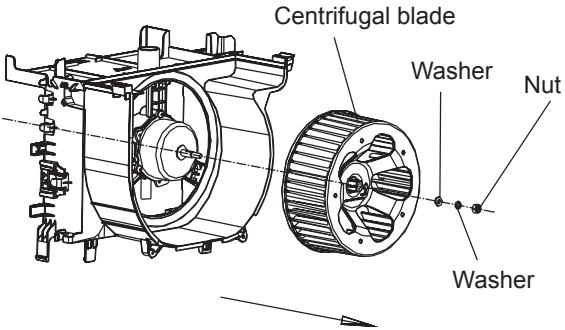
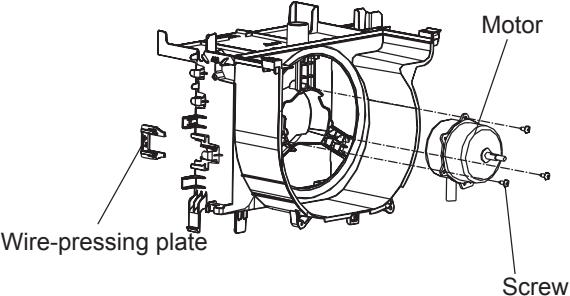
Step	Procedure	
17. Remove motor	Press the wire-pressing plate and then remove it. Loose 3 screws and then remove the motor.	
18. Remove capacity and capacitor clamp, power transformer, fan capacitor and wire-passing groove	a. Loose 1 screw and then take out the capacitor of compressor and capacitor clamp. b. Loose 3 screws and then remove the power transformer, fan capacitor and wire-passing groove.	
19. Remove main board	Press clasps and remove the main board	

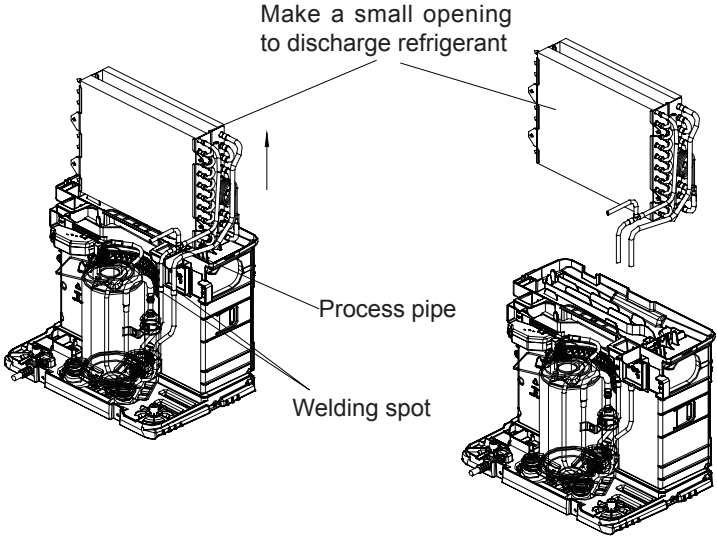
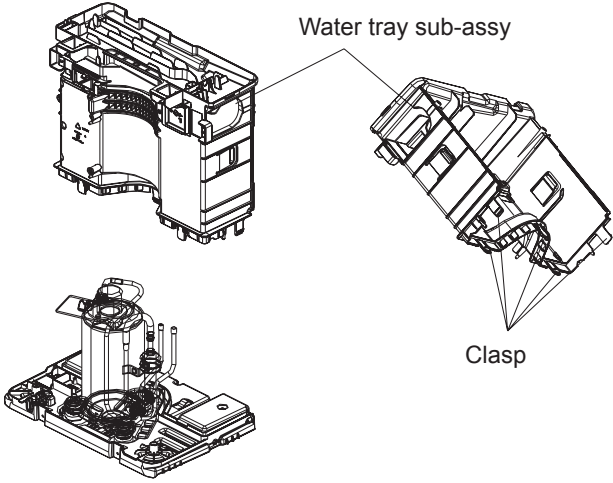
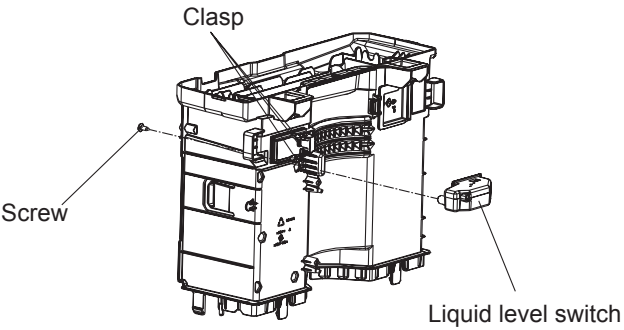
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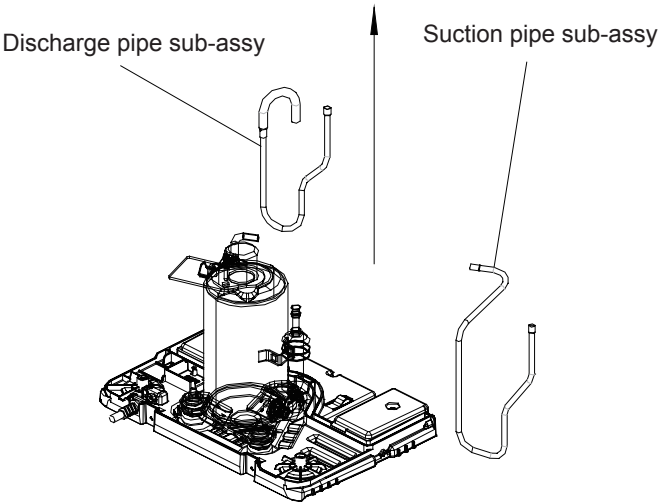
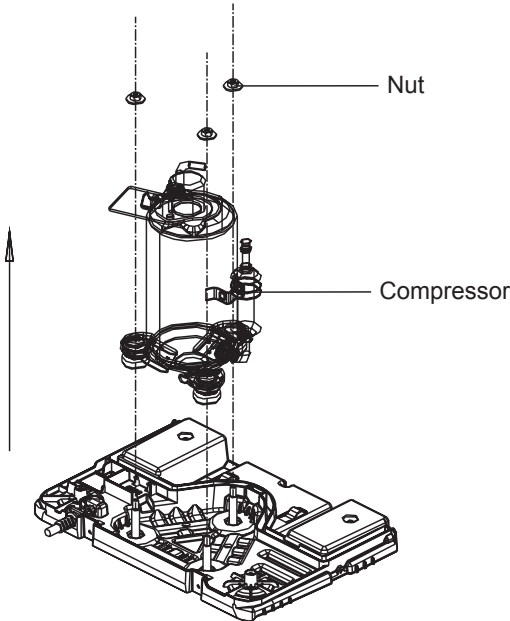
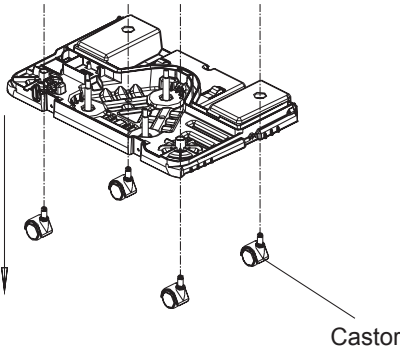
Step	Procedure
1. Remove water tank	Hold the holding position at both sides of the water tank, pull the water tank (arrow direction) and then remove the water tank.  Hold this position to pull it along the arrow direction
2. Remove rear case	Remove 4 screws at the back of the case and 2 screws at both sides, hold the holding position of rear case, pull it outwards and then remove the rear case.  Rear case Screw
3. Remove rear case sub-assy	Remove 4 screws at the front side of the case and 2 screws at the back side, hold the case and then pull it outwards to remove it.  Rear case sub-assy Screw

Step	Procedure	
4. Remove filter sub-assy		
	Hold the handle of filter sub-assy, pull it downwards to let it separate from these 2 grooves on the case, and then remove the filter sub-assy. case, and then remove the filter sub-assy.	
4.1 Remove guide rail		
	Remove 4 screws and then remove the guide rail.	
5. Remove electric box cover sub-assy		
	Remove 3 screws on the electric box cover and then remove the electric box cover.	

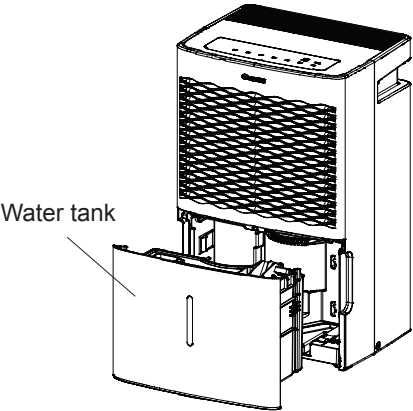
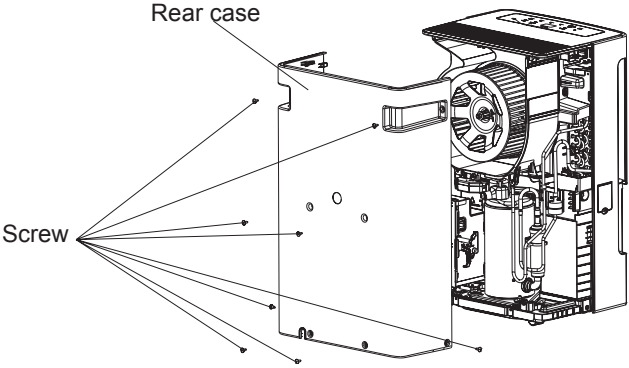
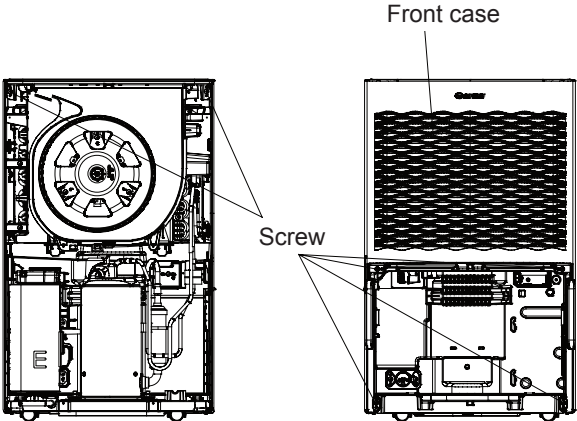
Step	Procedure
6. Remove top cover	Take out the top cover sub-assy to loose 2 clasps at both sides of the top cover sub-assy, loose the connection wires of discharge temperature sensor and display board from all grooves, hold the both sides of top cover sub-assy, pull it upwards and then remove the top cover sub-assy. 
7. Remove display board	Remove 3 screws used for fixing the display board and 2 screw used for fixing the humidity sensor, separate the display board from the clasps, and then remove the display board. 
8. Remove electric box	Pull out all wires connected with the electric elements inside the electric box, remove 2 screws used for connecting the water tray inside the electric box, separate the electric box from the clasps and then remove the electric box. 

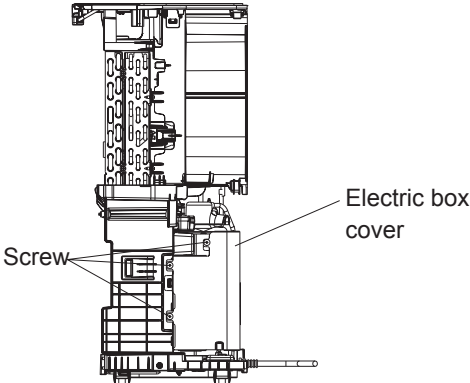
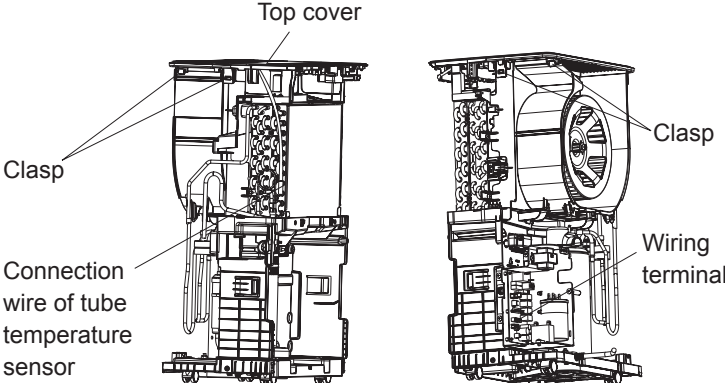
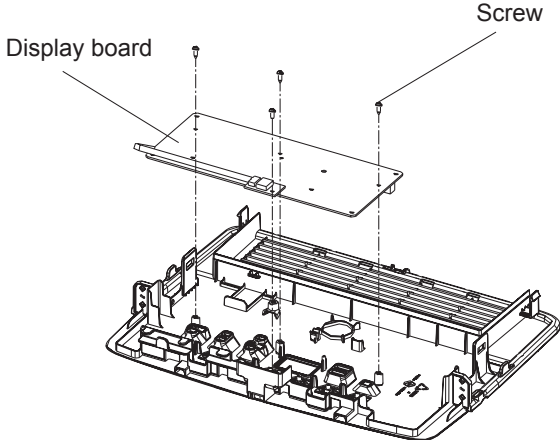
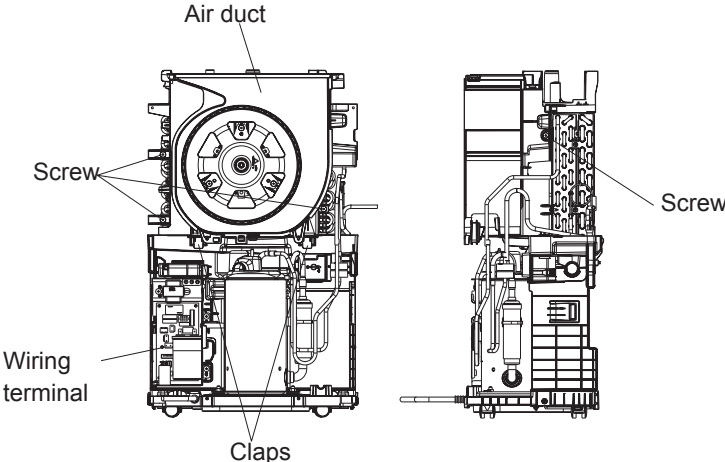
Step		
9. Remove air duct		
	Remove 3 screws used for fixing the water tray and 3 screws used for fixing the condenser and the evaporator, pull the air duct upwards to let it separate from 2 clasps at both sides and then the air duct can be removed.	
10. Remove centrifugal blade		
	Remove the nuts used for fixing the blade at the end of motor shaft, 2 washers, and then pull out the blade along the motor shaft to remove the blade sub-assy.	
11. Remove motor		
	Pull out the wire-pressing plate, remove 3 screws used for fixing the motor and then remove the motor.	

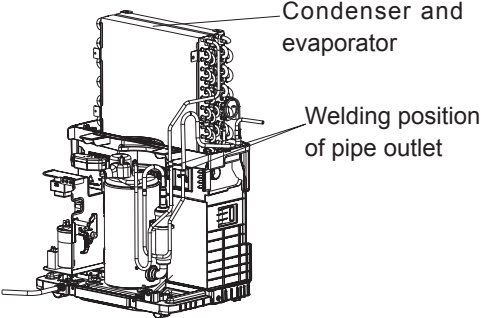
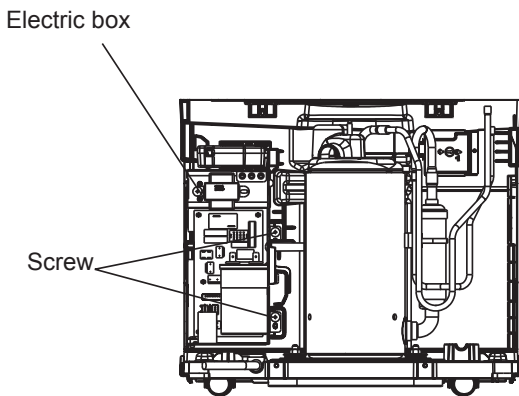
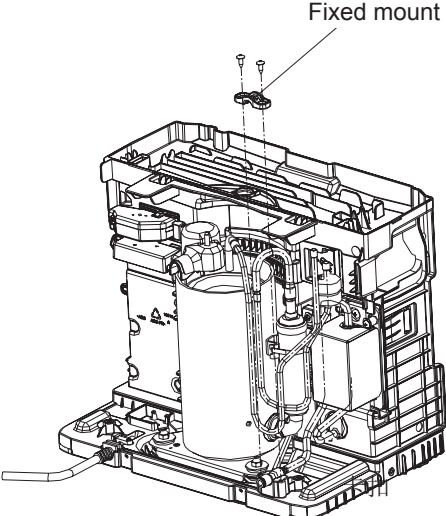
Step	
12. Remove condenser and evaporator Make a small opening at the end of process pipe to discharge the refrigerant inside the system. Separate the connection pipe of condenser and evaporator from the discharge pipe and the suction pipe, and then remove the evaporator and the condenser.	 Make a small opening to discharge refrigerant Process pipe Welding spot
13. Remove water tray sub-assy Loose 5 clasps connecting with the chassis and then the water tray can be removed.	 Water tray sub-assy Clasp
14. Remove liquid level switch sub-assy Remove 1 screw on the liquid level switch, loose 4 clasps connecting the water tray and then remove the liquid level switch sub-assy.	 Clasp Screw Liquid level switch

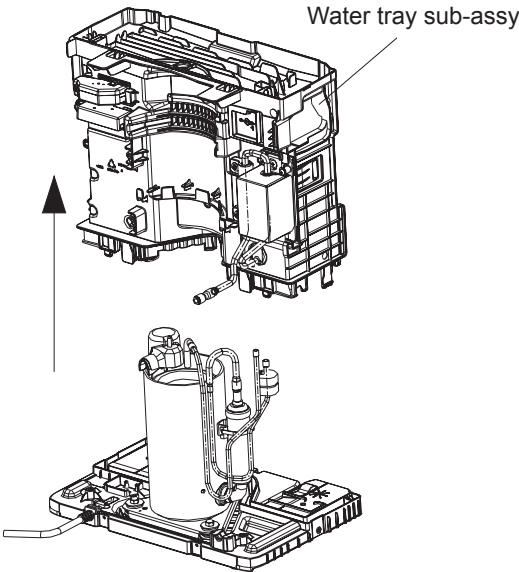
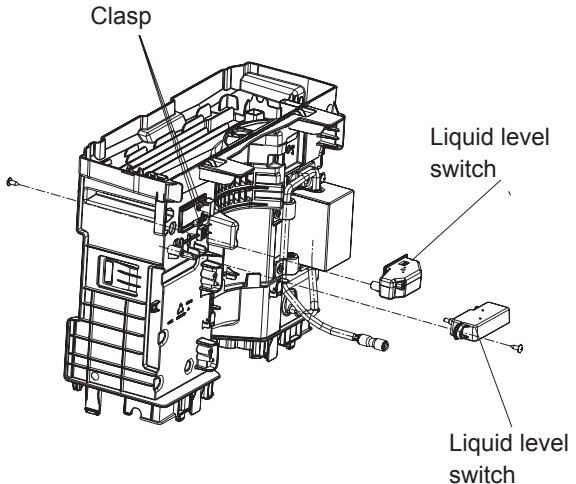
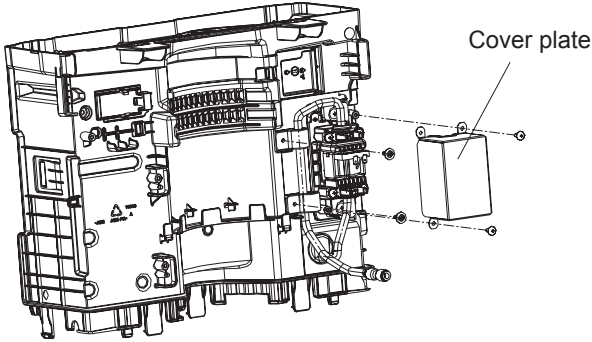
Step		
15.Remove discharge pipe and suction pipe		
	Weld the suction pipe and the discharge pipe at the welding position of suction outlet and discharge outlet of compressor.	
16. Remove compressor and its fittings		
	Remove 3 nuts used for fixing the compressor, lift the compressor upwards and the remove the compressor.	
17. Remove castor		
	Pull out the castors forcibly to remove it. There are 4 castors. Please remove them according to above procedures in turn.	

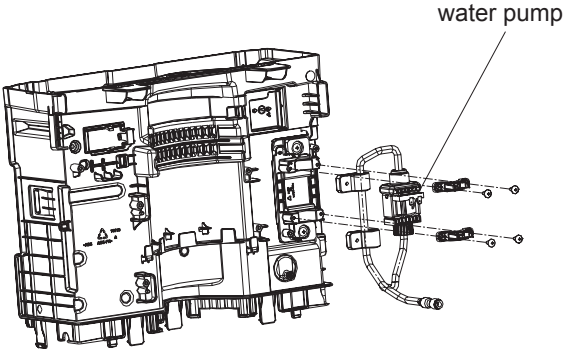
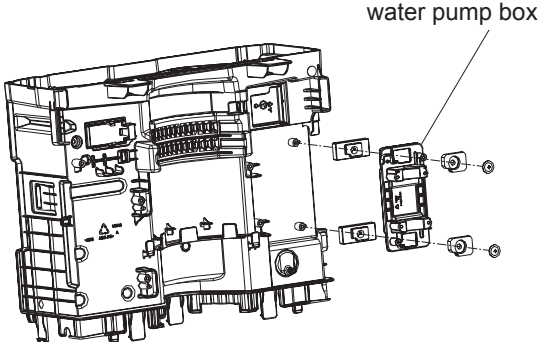
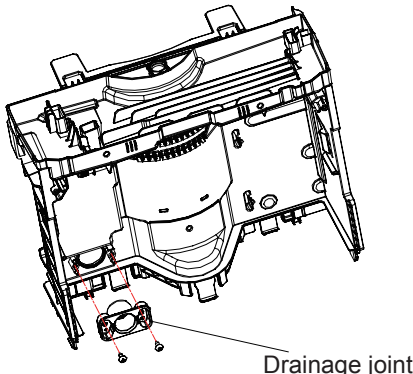
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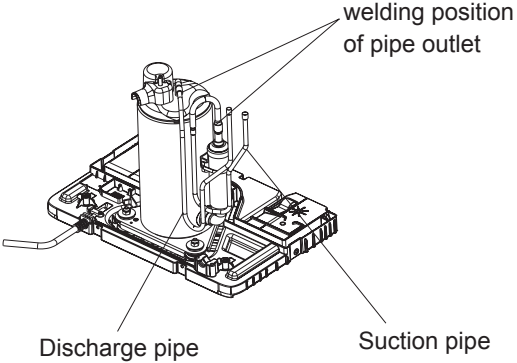
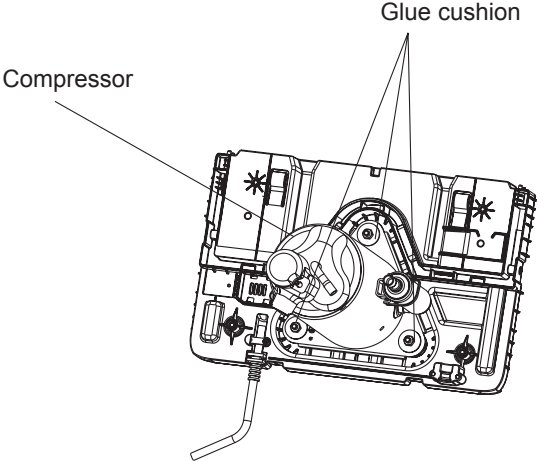
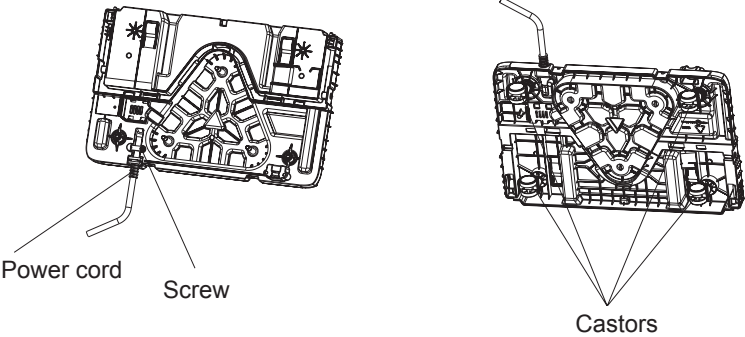
Step	Procedure
1. Disassembly diagram of unit Draw out the water tank	
2. Remove rear case Loose 8 screws on rear case and then remove the rear case.	
3. Remove front case Loose 6 screws on the front case, and then remove the front case.	

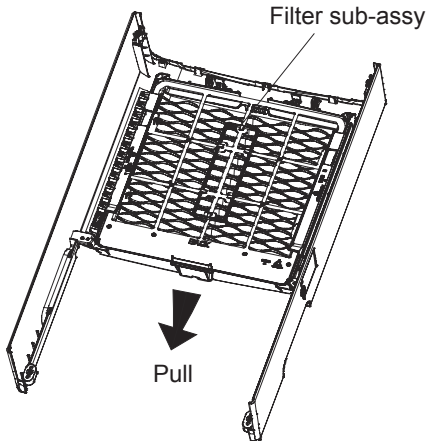
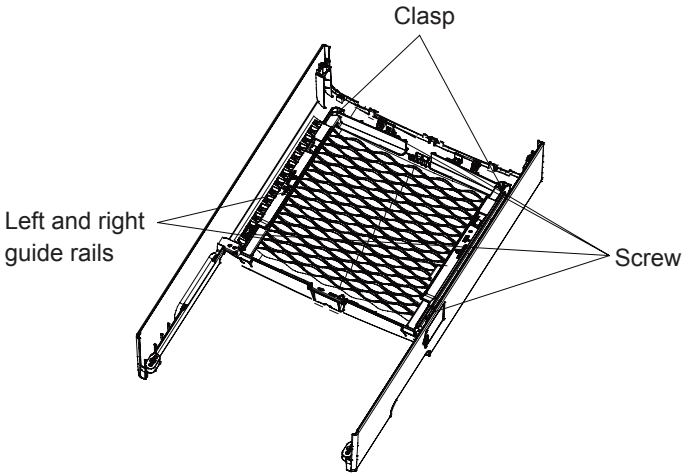
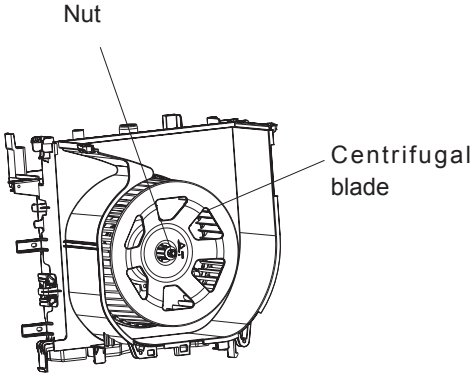
Step	Procedure	
4. Remove electric box cover	Loose 3 screws on the electric box cover, and then remove the electric box cover.	 Electric box cover Screw
5. Remove top cover		
6. Remove display board	Loose connection wires of tube temperature sensor, pull out the wiring terminal, loose 4 clasps on the top cover and then remove the top cover.	 Top cover Clasp Connection wire of tube temperature sensor Clasp Wiring terminal
7. Remove air duct		
8. Remove display board	Remove 3 screws used for fixing the display board and 1 screw used for fixing the humidity sensor, separate the display board from the clasp and then remove the display board.	 Display board Screw
9. Remove air duct	Pull out the wiring terminal, loose motor wire, loose 4 screws and 4 clasps used for fixing the air duct, and then remove the air duct.	 Air duct Screw Wiring terminal Claps Screw

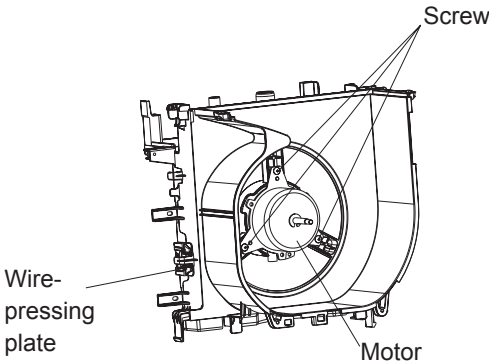
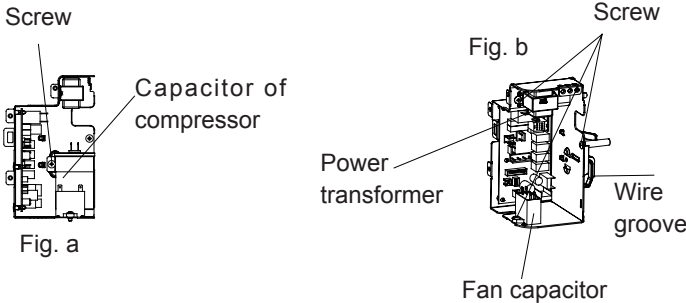
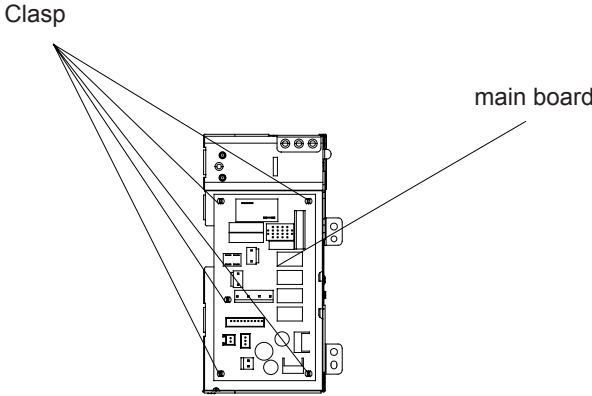
Step	Procedure
8. Remove condenser and evaporator	
Unsolder the welding position of connection pipe position of condenser and evaporator and then remove the condenser and the evaporator.	
9. Remove electric box	
Pull out all wires connected with the electric box, loose 2 screws and then remove the electric box.	
10.1 Remove fixed mount	
Remove screws and then remove the fixing mount.	

Step	Procedure	
10.2 Remove water tray		
10.3 Remove liquid level switch		
10. Remove cover plate		

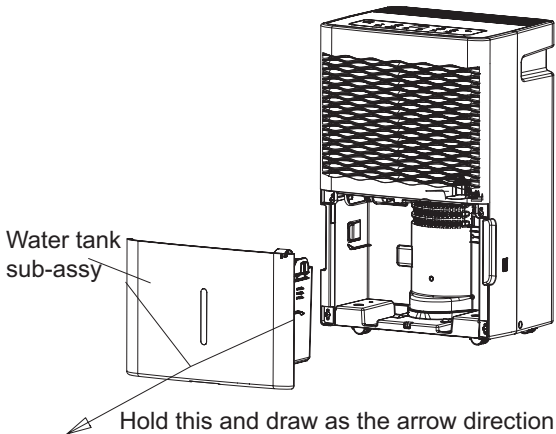
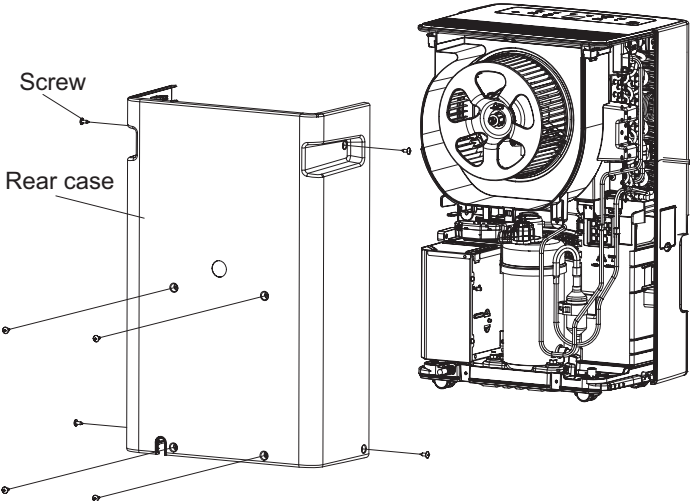
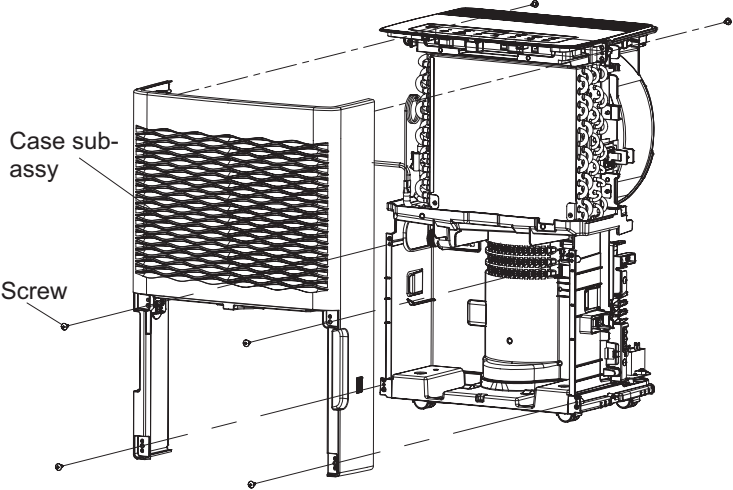
Step	Procedure
10.5 Remove water pump	 water pump
10.6 Remove water pump box	 water pump box
10.7 Remove drainage joint	 Drainage joint

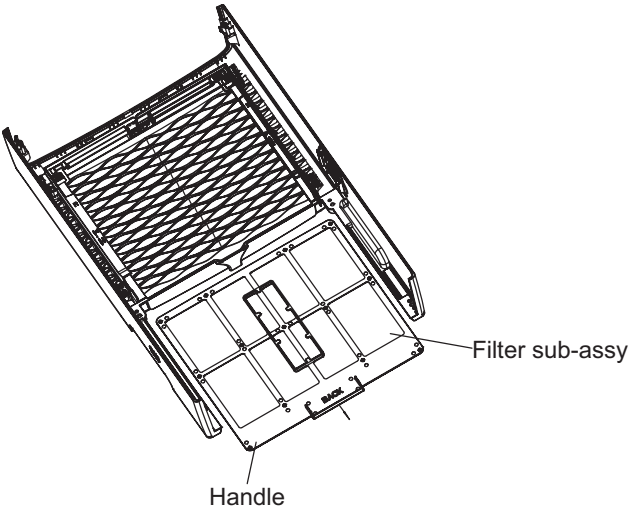
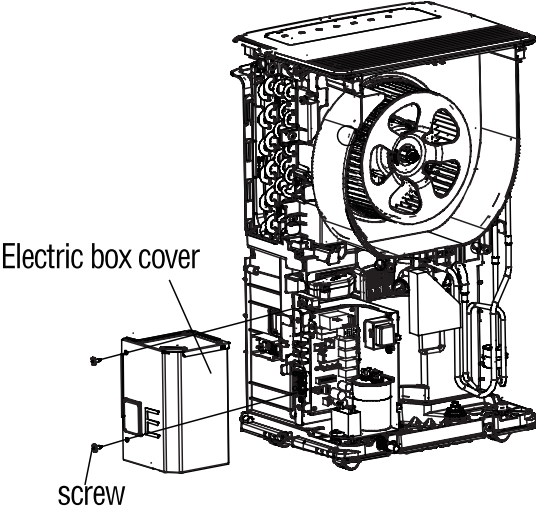
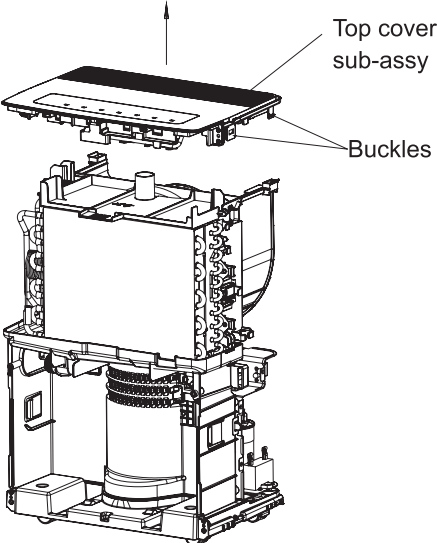
Step	Procedure	
11. Remove discharge pipe and suction pipe sub-assy	Solder the welding position at the pipe outlet of compressor and then remove the discharge pipe and the suction pipe sub-assy.	 welding position of pipe outlet Discharge pipe Suction pipe
12. Remove compressor and glue cushion		
13. Remove castors	Loose 1 screw, remove the power cord, turn over the chassis sub-assy and the pull out 4 castors.	 Compressor Glue cushion  Power cord Screw Castors

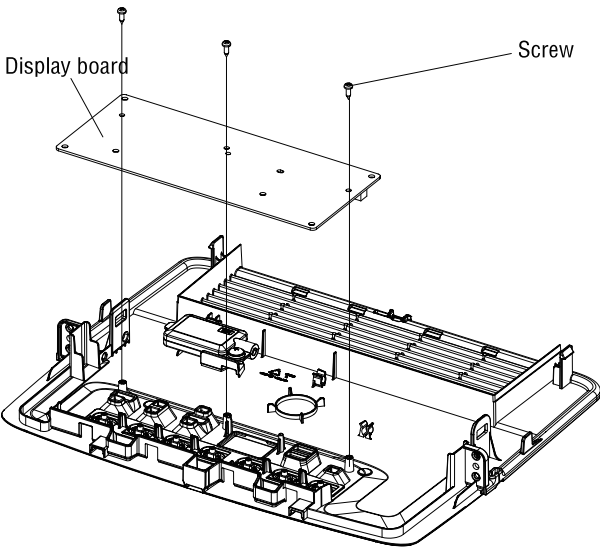
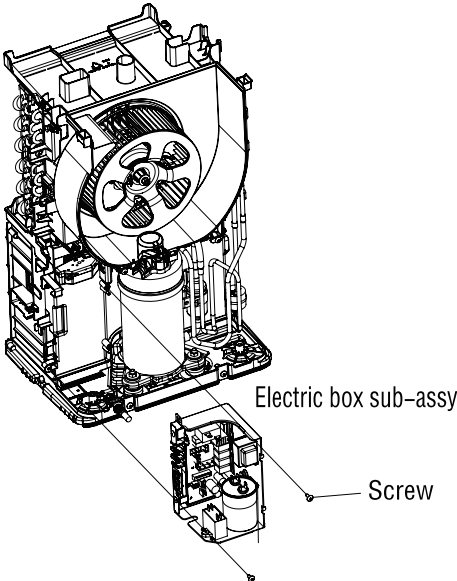
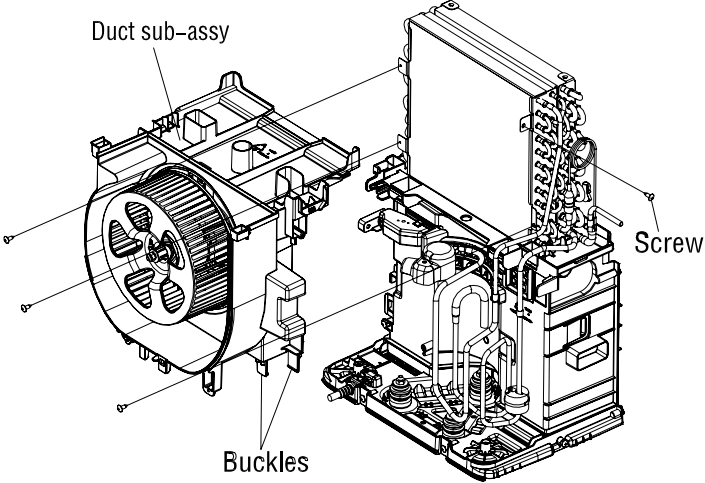
Step	Procedure
14. Remove filter sub-assy Pull out the filter sub-assy	 Filter sub-assy Pull
15. Remove left and right guide rails Loose 4 screw and 2 clasps and then remove left and right guide rails.	 Clasp Left and right guide rails Screw
16. Remove centrifugal blade Loose 2 nut and then take out the centrifugal blade.	 Nut Centrifugal blade

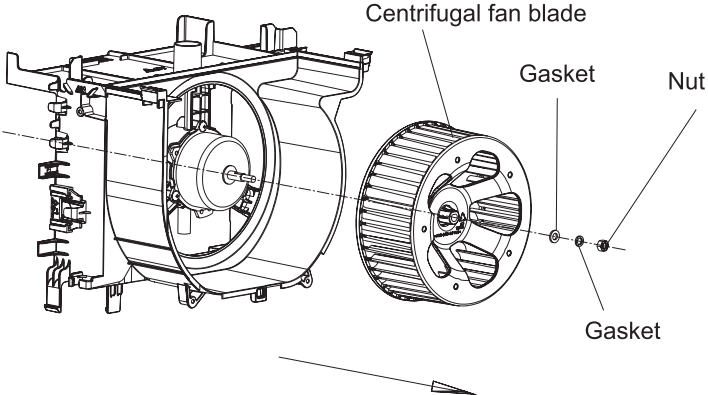
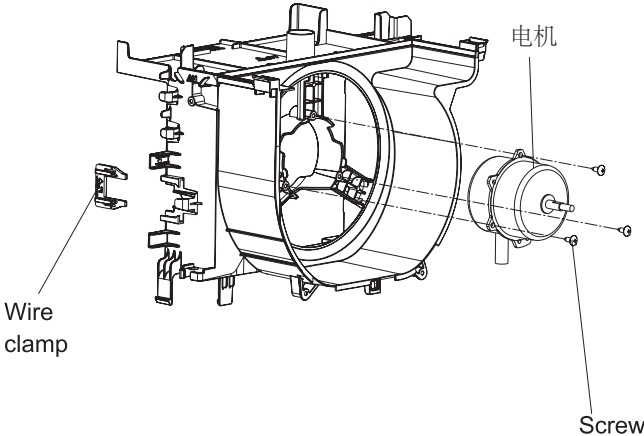
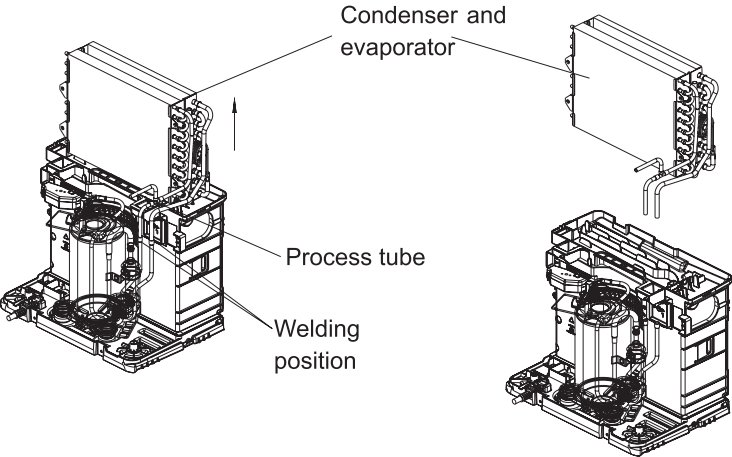
Step	Procedure	
17. Remove motor	Press the wire-pressing plate and then remove it, loose 3 screws and then remove the motor.	
18.Remove capacity and capacitor clamp, power transformer, fan capacitor and wire-passing groove	a. Loose 1 screw and then take out the capacitor of compressor and capacitor clamp. b. Loose 3 screws and then remove the power transformer, fan capacitor and wire-passing groove.	
19. Remove main board	Press 5 clasps and then remove the main board.	

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Step	Procedure
1. Remove water tank Hold the holding position at both sides of water tank, pull out the water tank (arrow direction) and then remove the water tank.	 Water tank sub-assy Hold this and draw as the arrow direction
2. Remove rear case Remove 4 screws at the back of case and 4 screws on both sides, hold the holding position at the rear case, pull it outwards and then remove the rear case.	 Screw Rear case
3. Remove case sub-assy Remove 4 screws at the front side of case and 2 screws at the back side, hold the case, pull it outwards and then remove the case.	 Case sub-assy Screw

Step	Procedure	
4. Remove filter sub-assy	Hold the handle of filter sub-assy to pull it downwards to separate it from 2 grooves on the case, and then remove the filter sub-assy.	
5. Remove electric box cover sub-assy		
6. Remove top cover sub-assy	Take out the top cover sub-assy, loose 2 clasps at both side of top cover sub-assy, separate connection wires of discharge temperature sensor and display board from all grooves, hold both sides of top cover sub-assy, pull it upwards and then remove the top cover sub-assy.	
		

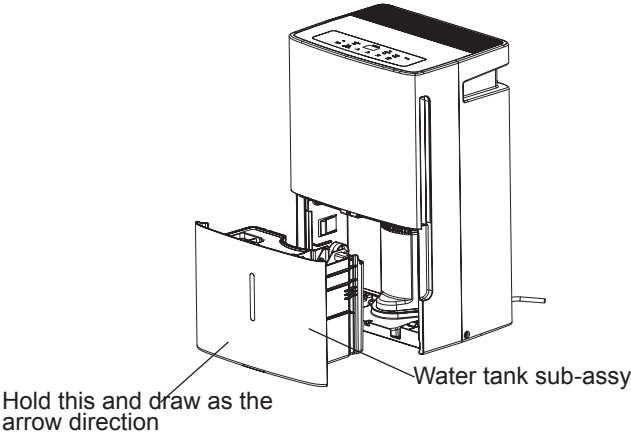
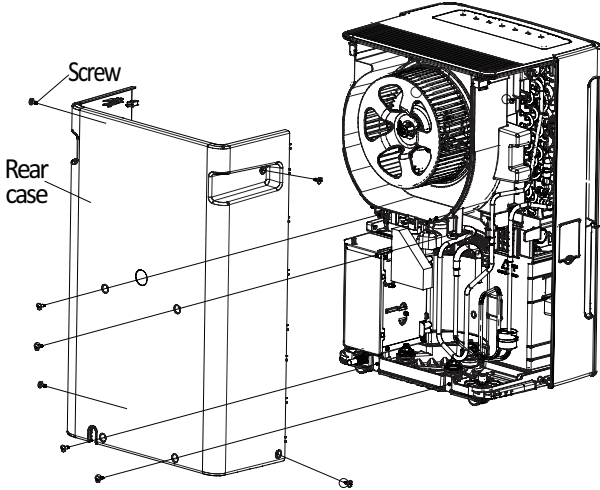
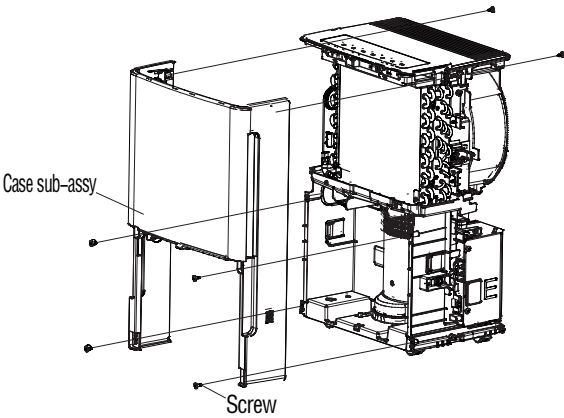
Step	Procedure
7. Remove display board	
Remove 3 screws used for fixing the display board to loose the clasps of display board, and then the display board can be removed.	
8. Remove electric box	
Pull out all wires connecting electric elements inside the electric box, remove 2 screws connecting the water tray inside the electric box, loose the clasps inside the electric box and then remove the electric box.	
9. Remove air duct	
Remove 4 screws fixing evaporator and condenser, lift the air duct to make it loose from 2 clasps on both sides and then remove the air duct.	

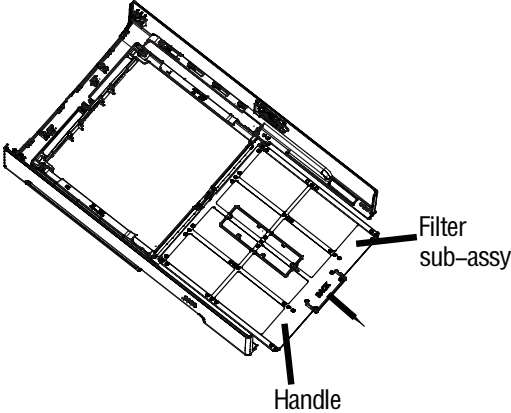
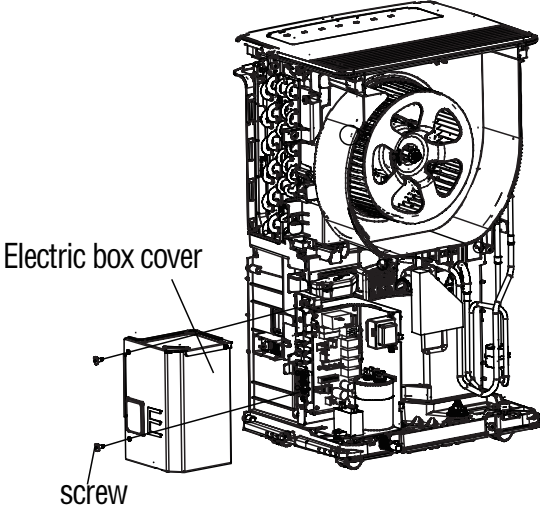
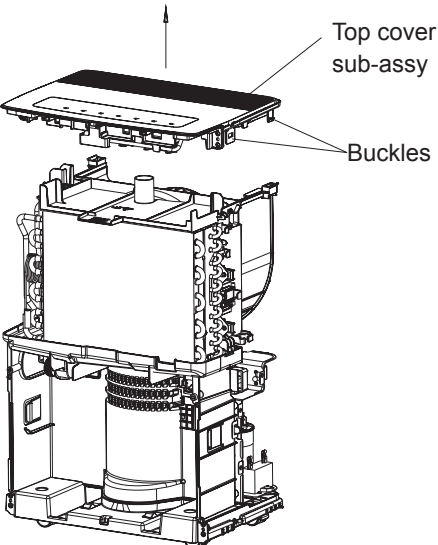
Step	Procedure	
10. Remove centrifugal blade		
	Remove nuts fixing the blade at the end of motor shaft, 2 gaskets, pull out the blade along the motor shaft and then remove the blade sub-assy.	
11. Remove motor		
	Pull out the wire-pressing plate, remove 3 screws fixing the motor and then remove the motor.	
12. Remove condenser and evaporator		
	Make a small opening at the end of process pipe to discharge the refrigerant inside the system. Separate the connection pipe of condenser and evaporator from the discharge pipe and the suction pipe, and then remove the evaporator and the condenser.	

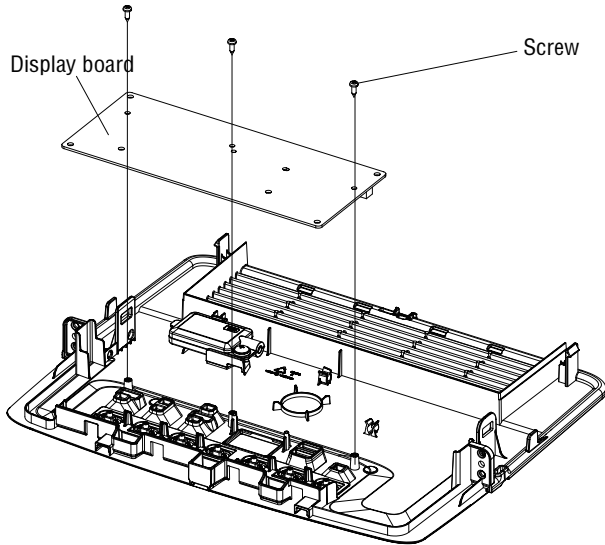
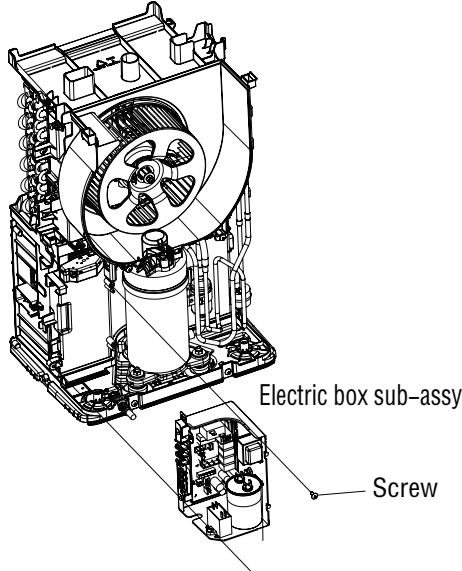
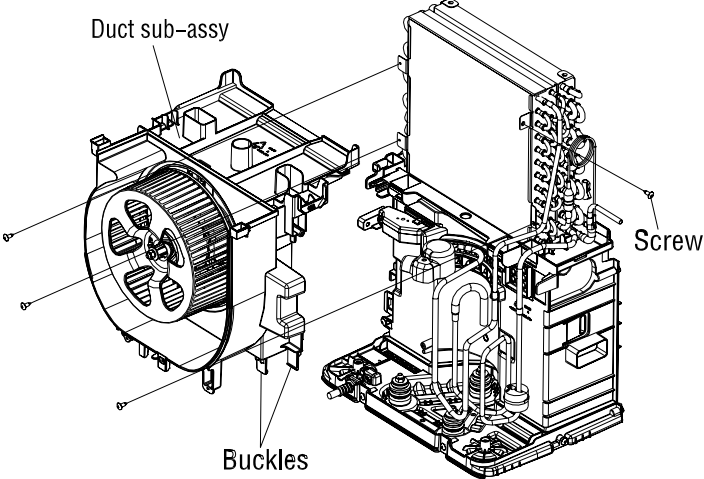
Step	Procedure
13. Remove water tray sub-assy	Loose 5 clasps at the water tray and the remove the water tray.
14. Remove liquid level switch sub-assy	Remove 1 screw of liquid level switch, loose 4 clasps connecting the water tray and then remove the liquid level switch sub-assy.
15. Remove suction pipe sub-assy and discharge pipe sub-assy	Weld the suction pipe and discharge pipe at the welding position of suction outlet and discharge outlet of compressor.

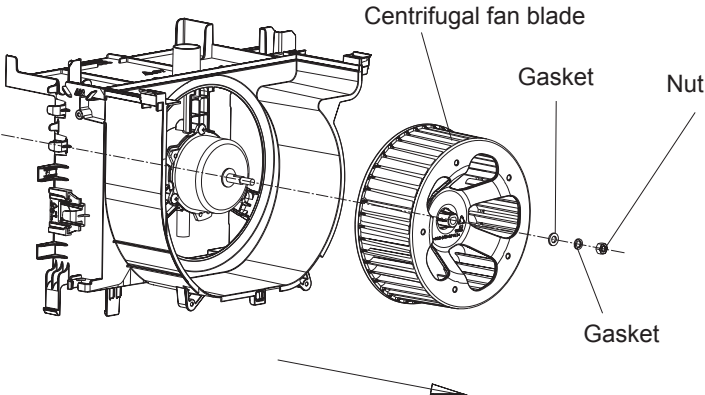
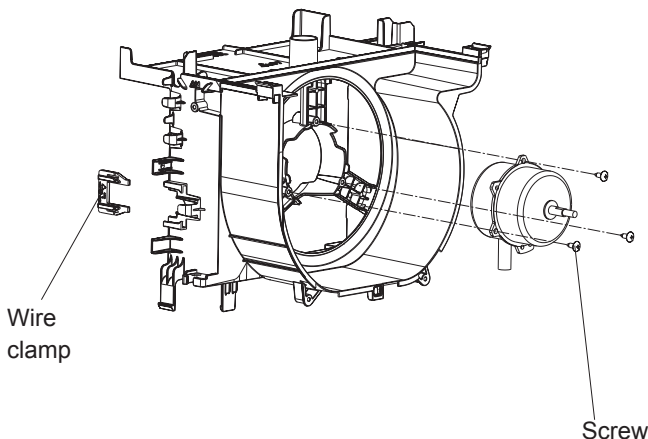
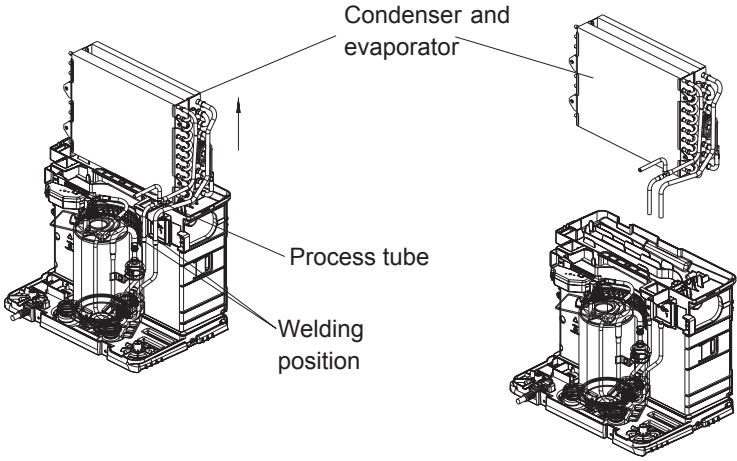
Step	Procedure	
16. Remove compressor and its fittings	Remove 2 nuts fixing the compressor, lift the compressor and then remove the compressor.	
		Nut Compressor
17. Remove castors	Pull out the castors and then remove the castors. There are 4 castors. Please remove the castors according to above procedures in turn.	
		Truckles

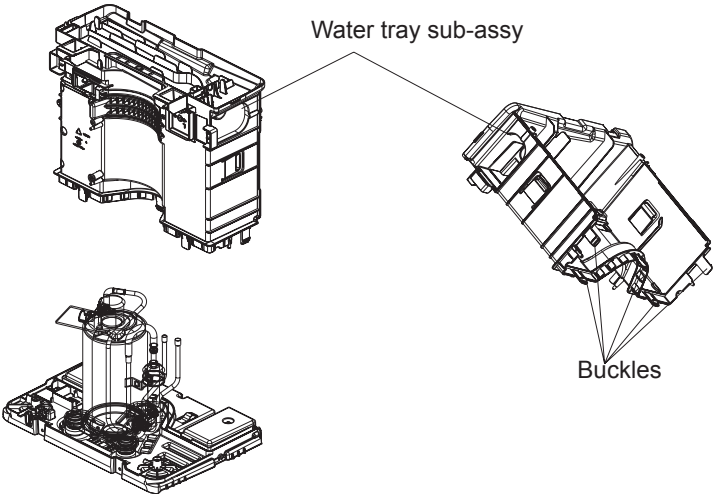
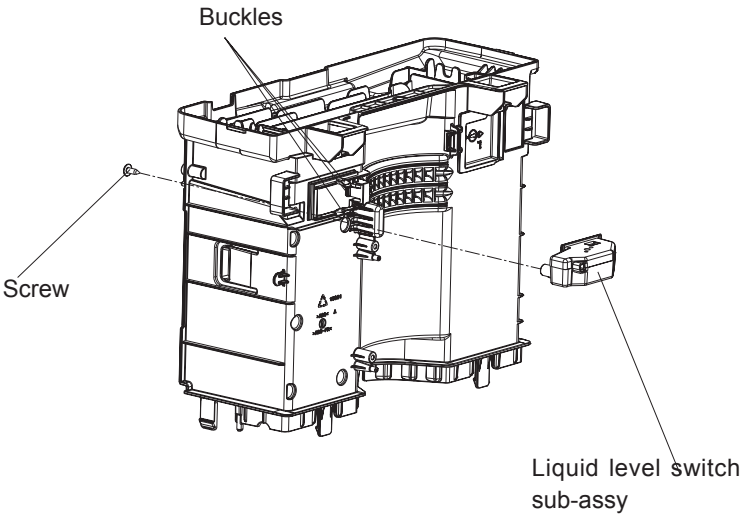
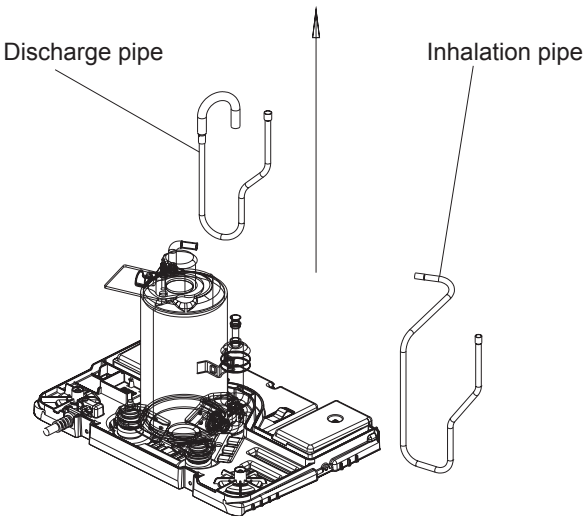
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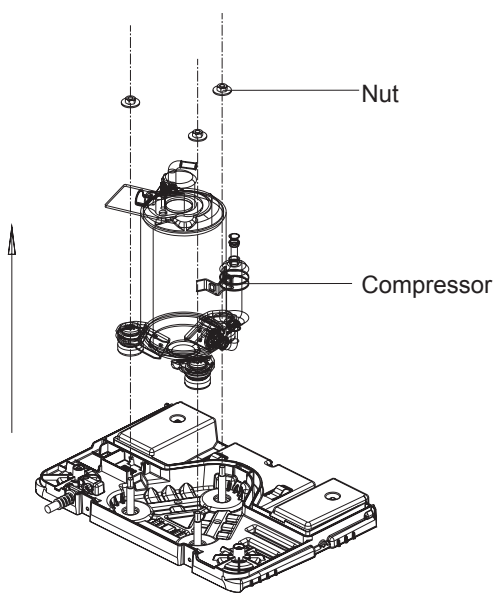
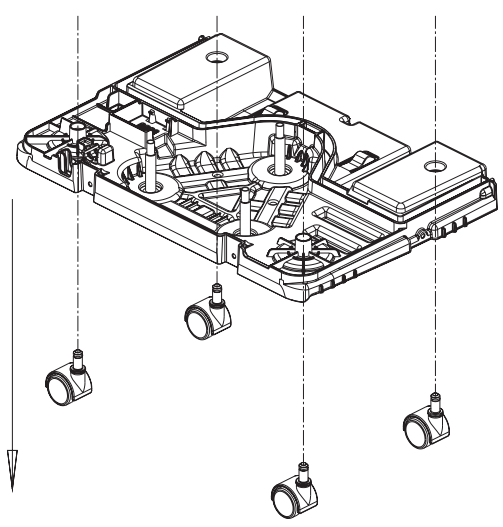
Step	Procedure
1. Remove water tank sub-assy Hold two hand-clasps in two sides of water tank, and then draw out the water tank sub-assy (as shown as the arrow direction), and remove it out.	 Water tank sub-assy Hold this and draw as the arrow direction
2. Remove the rear case Unscrew the 4 screws in the back of case and 5 screws in two sides, hold the handle of rear case, and then draw it out.	 Screw Rear case
3. Remove rear case sub-assy Unscrew the 4 screws in the back of case and 5 screws in two sides, hold the handle of rear case, and then draw it out.	 Case sub-assy Screw

Step	Procedure	
4. Remove the filter sub-assy	Hold the handle of filter sub-assy and draw it down to remove it from the two slots, and then remove it out.	 Filter sub-assy Handle
5. Remove the electric box cover		
6. Remove top cover sub-assy	Lift the top cover sub-assy and depart it from the two buckles in left and right sides, unwind the wires of air discharge temperature sensor and wires of display board from all the slots, and then hold the two sides of top cover and draw it out.	 Electric box cover screw
	 Top cover sub-assy Buckles	

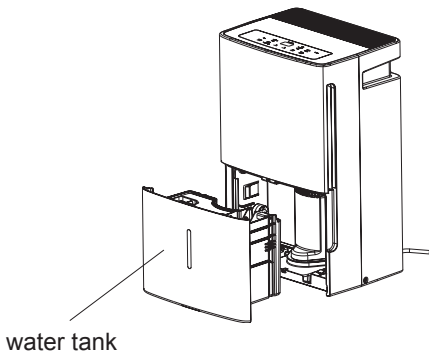
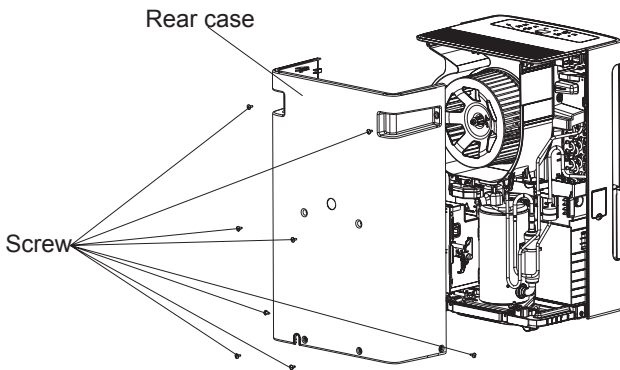
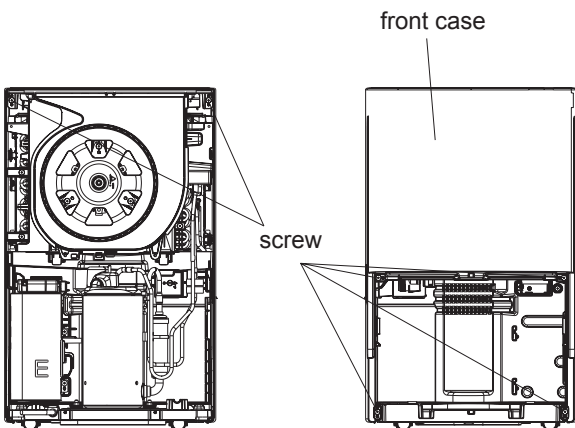
Step	Procedure
7. Remove the display board	 Display board Screw
8. Remove electric box sub-assy	 Electric box sub-assy Screw
9. Remove the duct sub-assy	 Duct sub-assy Buckles Screw

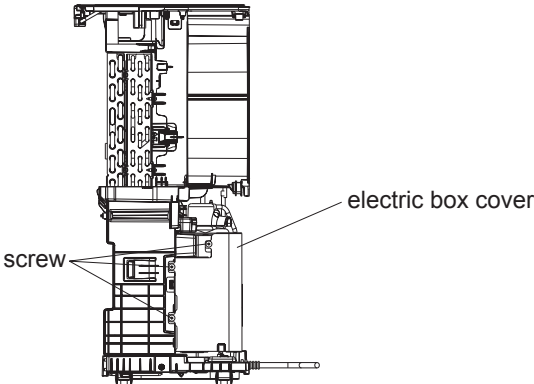
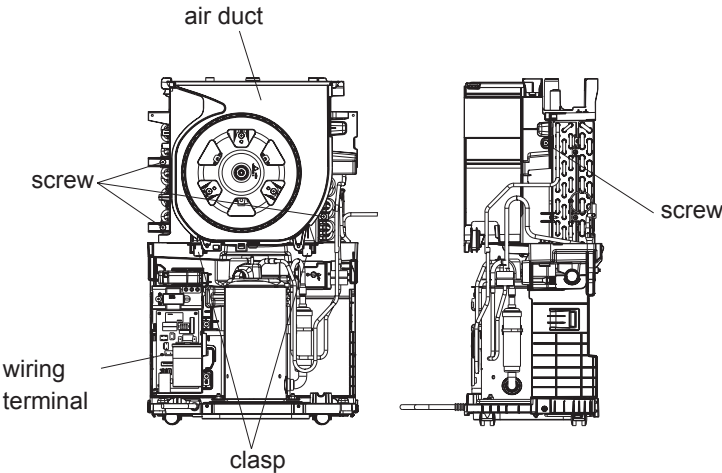
Step	Procedure	
10. Remove centrifugal fan blade		
	Unscrew the nut and two gaskets for fixing the fan blade in the motor shaft, draw the fan blade along the direction of motor shaft, and then remove the fan blade and sub-assy.	
11. Remove the motor		
	First pull out the wire clamp, and then unscrew the 3 screws for fixing the motor, and then take apart the motor.	
12. Remove the condenser and evaporator		
	Open an aperture in the end of process tube, and discharge the refrigerant inside the system. Divide the connecting pipe between the condenser and evaporator from the welding position of condenser, and then remove the condenser and evaporator.	

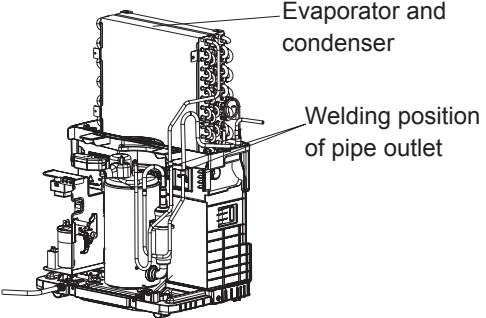
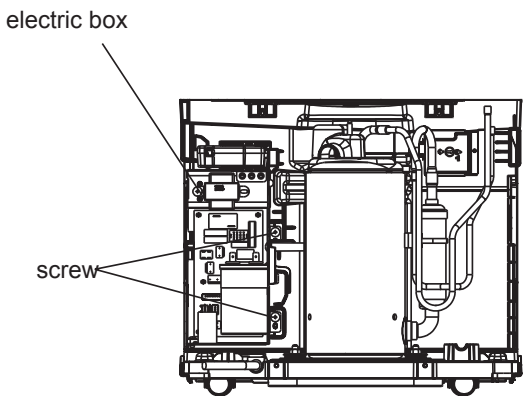
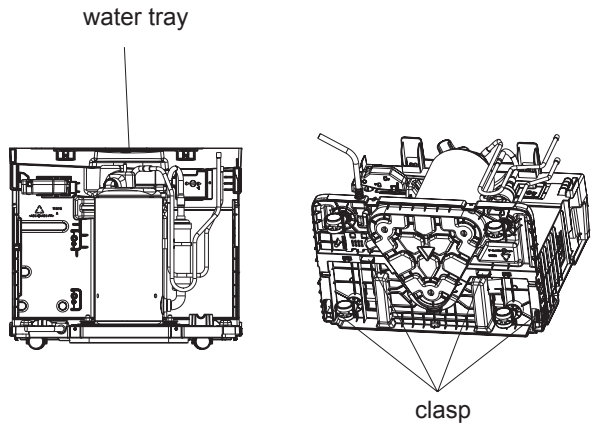
Step	Procedure
13. Remove water tray sub-assy	 Water tray sub-assy Buckles Unscrew 1 screw for connecting water tray and the chassis, unbuckle the buckles for fixing the chassis, and then take apart the water tray sub-assy.
14. Remove liquid level switch sub-assy	 Buckles Screw Liquid level switch sub-assy Unscrew 1 screw of liquid level switch, unbuckle the 4 buckles for fixing the water tray, and then take apart the liquid level switch sub-assy.
15. Remove inhalation pipe and discharge pipe	 Discharge pipe Inhalation pipe From the welding position of inhalation pipe and discharge pipe of compressor, and then take apart the inhalation pipe and discharge pipe.

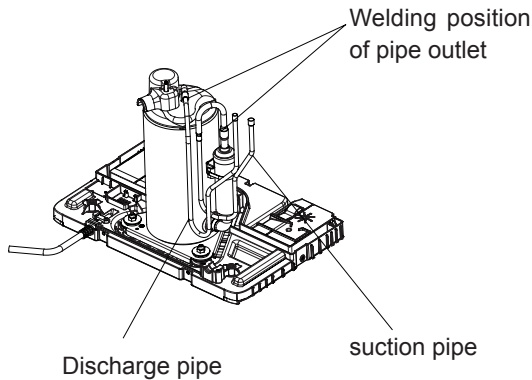
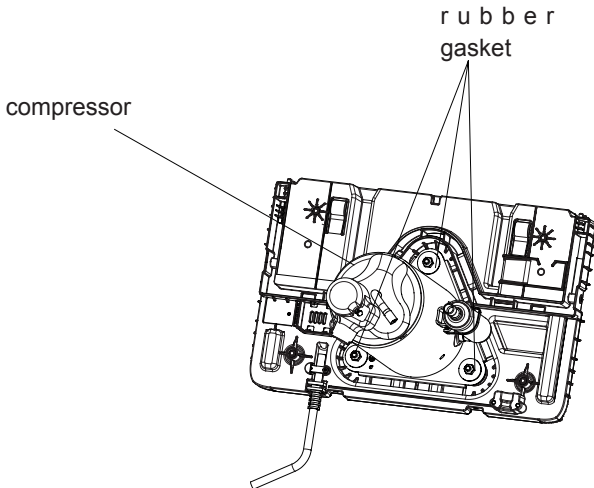
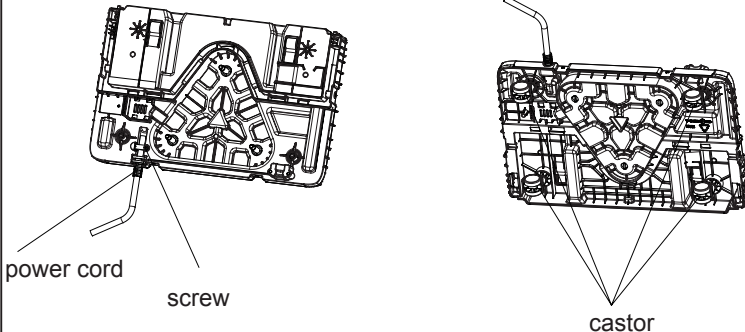
Step	Procedure	
16. Remove the compressor and its fittings	Unscrew 3 nuts for fixing the compressor, lift the compressor and take it apart.	
17. Remove the truckles		
	Pull out the truckles hard, the 4 truckles can be removed.	

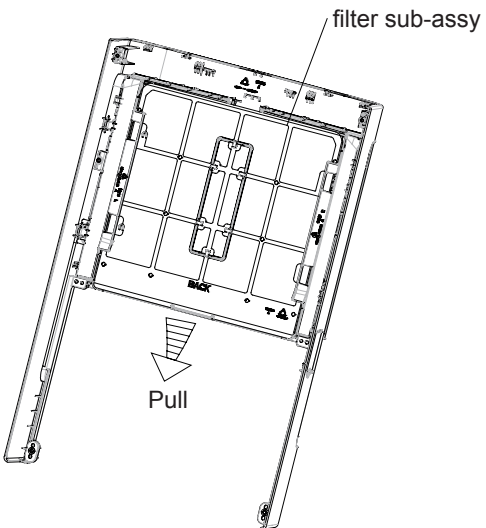
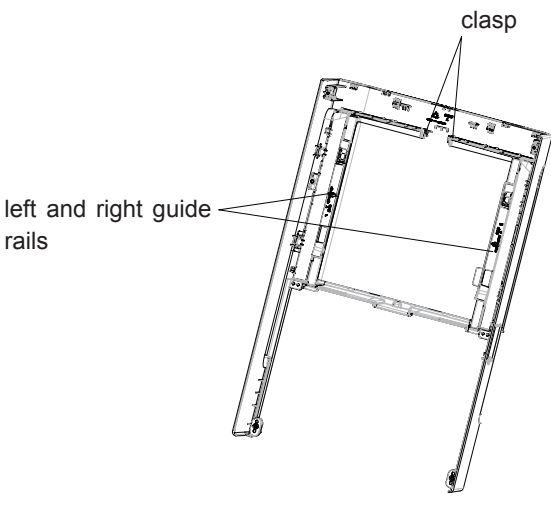
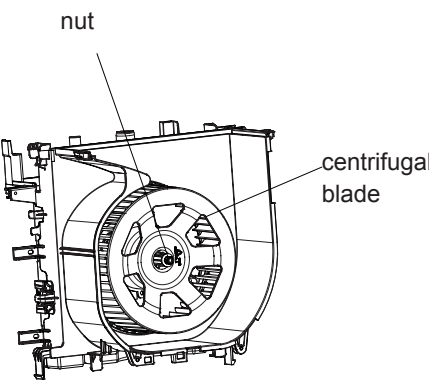
GDN50BA-A3EBA2D

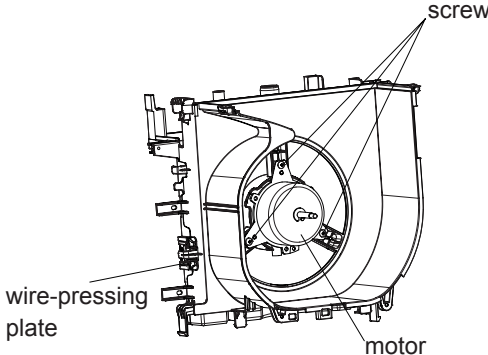
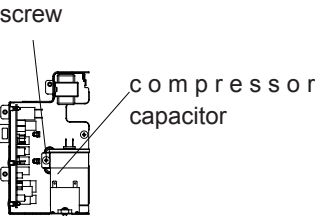
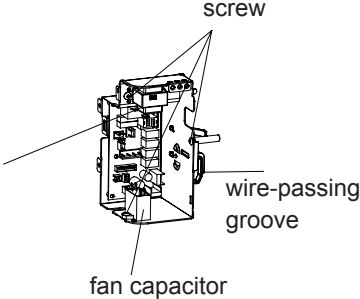
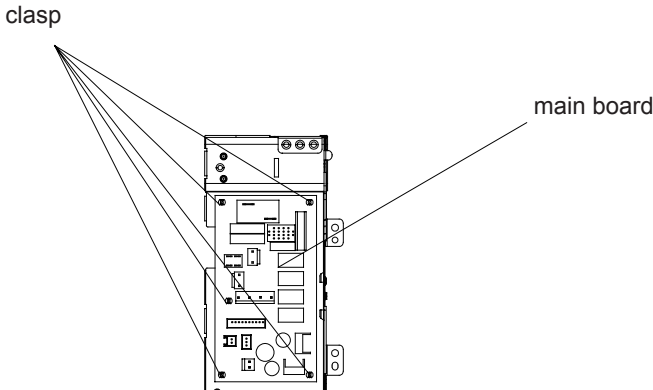
Step	Procedure
1. Disassembly drawing of complete unit Draw out the water tank	 water tank
2. Remove rear case Loose 8 screws on the rear case and the remove the rear case.	 Rear case Screw
3. Disassemble the front case Loose 6 screws on the front case and then disassemble the front case.	 front case screw

Step	Procedure	
4. Disassemble electric box cover	Loose 3 screws on the electric box cover and then disassemble the electric box cover.	
5. Disassemble top cover		
6. Disassemble air duct	Pull out the wiring terminal, loose the motor wire and 4 screws and 4 clasps at the air duct, and then take out the air duct.	

Step	Procedure
7. Disassemble condenser and evaporator Weld the connecting pipe of evaporator and condenser, and then take out the evaporator and the condenser.	
8. Disassemble electric box Pull out all wires connected with the electric box, loose 2 screws and then disassemble the electric box.	
9. Disassemble water tray Loose 4 clasps at the water tray and then disassemble the water tray.	

Step	Procedure
10. Disassemble discharge pipe and suction pipe	
	Weld the pipe outlet of compressor and then remove the discharge pipe and suction pipe.  Welding position of pipe outlet Discharge pipe suction pipe
11. Disassemble compressor and rubber gasket	
	Loose 3 nuts on the compressor and then remove the compressor and the glue gasket.  compressor rubber gasket
12. Remove castor	
	Loose 1 screw, remove the power cord, turn over the chassis sub-assy and then pull out 4 castors.  power cord screw castor

Step	Procedure
13. remove filter sub-assy	
Pull out the filter sub-assy	
14. Remove left and right guide rails	
Loose 4 screws, press 2 clasps and then remove left and right guide rails.	
15. Remove centrifugal blade	
Loose one nut and the take out the centrifugal blade.	

Step	Procedure
16. Remove motor	
	Press the wire-pressing plate and disassemble it. Loose 3 screws and then remove the motor. 
17. Remove capacitor, capacitor clamp, fan capacitor and the wire-passing groove	
	a. loose 1 screw and then take out the compressor capacitor and the capacitor clamp; b. loose 2 screws, and then disassemble the fan capacitor and the wire-passing groove.  
18. Remove main board	
	Loose 1 screw, press the clasp and then remove the main board. 

Appendix:

Appendix 1: Reference Sheet of Celsius and Fahrenheit

Conversion formula for Fahrenheit degree and Celsius degree: $T_f = T_c \times 1.8 + 32$

Set temperature

Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)
61	60.8	16	69/70	69.8	21	78/79	78.8	26
62/63	62.6	17	71/72	71.6	22	80/81	80.6	27
64/65	64.4	18	73/74	73.4	23	82/83	82.4	28
66/67	66.2	19	75/76	75.2	24	84/85	84.2	29
68	68	20	77	77	25	86	86	30

Ambient temperature

Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)	Fahrenheit display temperature (°F)	Fahrenheit (°F)	Celsius(°C)
32/33	32	0	55/56	55.4	13	79/80	78.8	26
34/35	33.8	1	57/58	57.2	14	81	80.6	27
36	35.6	2	59/60	59	15	82/83	82.4	28
37/38	37.4	3	61/62	60.8	16	84/85	84.2	29
39/40	39.2	4	63	62.6	17	86/87	86	30
41/42	41	5	64/65	64.4	18	88/89	87.8	31
43/44	42.8	6	66/67	66.2	19	90	89.6	32
45	44.6	7	68/69	68	20	91/92	91.4	33
46/47	46.4	8	70/71	69.8	21	93/94	93.2	34
48/49	48.2	9	72	71.6	22	95/96	95	35
50/51	50	10	73/74	73.4	23	97/98	96.8	36
52/53	51.8	11	75/76	75.2	24	99	98.6	37
54	53.6	12	77/78	77	25			

Appendix 2: Resistance Table of Temperature Sensor

Resistance Table of Ambient Temperature Sensor (15K)

Temp.(°F)	Resistance(kΩ)	Temp.(°F)	Resistance(kΩ)	Temp.(°F)	Resistance(kΩ)	Temp.(°F)	Resistance(kΩ)
-2.2	138.1	68.0	18.75	138.2	3.848	208.4	1.071
-0.4	128.6	69.8	17.93	140.0	3.711	210.2	1.039
1.4	121.6	71.6	17.14	141.8	3.579	212.0	1.009
3.2	115	73.4	16.39	143.6	3.454	213.8	0.98
5.0	108.7	75.2	15.68	145.4	3.333	215.6	0.952
6.8	102.9	77.0	15	147.2	3.217	217.4	0.925
8.6	97.4	78.8	14.36	149.0	3.105	219.2	0.898
10.4	92.22	80.6	13.74	150.8	2.998	221.0	0.873
12.2	87.35	82.4	13.16	152.6	2.896	222.8	0.848
14.0	82.75	84.2	12.6	154.4	2.797	224.6	0.825
15.8	78.43	86.0	12.07	156.2	2.702	226.4	0.802
17.6	74.35	87.8	11.57	158.0	2.611	228.2	0.779
19.4	70.5	89.6	11.09	159.8	2.523	230.0	0.758
21.2	66.88	91.4	10.63	161.6	2.439	231.8	0.737
23.0	63.46	93.2	10.2	163.4	2.358	233.6	0.717
24.8	60.23	95.0	9.779	165.2	2.28	235.4	0.697
26.6	57.18	96.8	9.382	167.0	2.206	237.2	0.678
28.4	54.31	98.6	9.003	168.8	2.133	239.0	0.66
30.2	51.59	100.4	8.642	170.6	2.064	240.8	0.642
32.0	49.02	102.2	8.297	172.4	1.997	242.6	0.625
33.8	46.6	104.0	7.967	174.2	1.933	244.4	0.608
35.6	44.31	105.8	7.653	176.0	1.871	246.2	0.592
37.4	42.14	107.6	7.352	177.8	1.811	248.0	0.577
39.2	40.09	109.4	7.065	179.6	1.754	249.8	0.561
41.0	38.15	111.2	6.791	181.4	1.699	251.6	0.547
42.8	36.32	113.0	6.529	183.2	1.645	253.4	0.532
44.6	34.58	114.8	6.278	185.0	1.594	255.2	0.519
46.4	32.94	116.6	6.038	186.8	1.544	257.0	0.505
48.2	31.38	118.4	5.809	188.6	1.497	258.8	0.492
50.0	29.9	120.2	5.589	190.4	1.451	260.6	0.48
51.8	28.51	122.0	5.379	192.2	1.408	262.4	0.467
53.6	27.18	123.8	5.197	194.0	1.363	264.2	0.456
55.4	25.92	125.6	4.986	195.8	1.322	266.0	0.444
57.2	24.73	127.4	4.802	197.6	1.282	267.8	0.433
59.0	23.6	129.2	4.625	199.4	1.244	269.6	0.422
60.8	22.53	131.0	4.456	201.2	1.207	271.4	0.412
62.6	21.51	132.8	4.294	203.0	1.171	273.2	0.401
64.4	20.54	134.6	4.139	204.8	1.136	275.0	0.391
66.2	19.63	136.4	3.99	206.6	1.103	276.8	0.382

Resistance Table of Tube Temperature Sensors (20K)

Temp.(°F)	Resistance(kΩ)		Temp.(°F)	Resistance(kΩ)		Temp.(°F)	Resistance(kΩ)		Temp.(°F)	Resistance(kΩ)
-2.2	181.4		68.0	25.01		138.2	5.13		208.4	1.427
-0.4	171.4		69.8	23.9		140.0	4.948		210.2	1.386
1.4	162.1		71.6	22.85		141.8	4.773		212.0	1.346
3.2	153.3		73.4	21.85		143.6	4.605		213.8	1.307
5.0	145		75.2	20.9		145.4	4.443		215.6	1.269
6.8	137.2		77.0	20		147.2	4.289		217.4	1.233
8.6	129.9		78.8	19.14		149.0	4.14		219.2	1.198
10.4	123		80.6	18.13		150.8	3.998		221.0	1.164
12.2	116.5		82.4	17.55		152.6	3.861		222.8	1.131
14.0	110.3		84.2	16.8		154.4	3.729		224.6	1.099
15.8	104.6		86.0	16.1		156.2	3.603		226.4	1.069
17.6	99.13		87.8	15.43		158.0	3.481		228.2	1.039
19.4	94		89.6	14.79		159.8	3.364		230.0	1.01
21.2	89.17		91.4	14.18		161.6	3.252		231.8	0.983
23.0	84.61		93.2	13.59		163.4	3.144		233.6	0.956
24.8	80.31		95.0	13.04		165.2	3.04		235.4	0.93
26.6	76.24		96.8	12.51		167.0	2.94		237.2	0.904
28.4	72.41		98.6	12		168.8	2.844		239.0	0.88
30.2	68.79		100.4	11.52		170.6	2.752		240.8	0.856
32.0	65.37		102.2	11.06		172.4	2.663		242.6	0.833
33.8	62.13		104.0	10.62		174.2	2.577		244.4	0.811
35.6	59.08		105.8	10.2		176.0	2.495		246.2	0.77
37.4	56.19		107.6	9.803		177.8	2.415		248.0	0.769
39.2	53.46		109.4	9.42		179.6	2.339		249.8	0.746
41.0	50.87		111.2	9.054		181.4	2.265		251.6	0.729
42.8	48.42		113.0	8.705		183.2	2.194		253.4	0.71
44.6	46.11		114.8	8.37		185.0	2.125		255.2	0.692
46.4	43.92		116.6	8.051		186.8	2.059		257.0	0.674
48.2	41.84		118.4	7.745		188.6	1.996		258.8	0.658
50.0	39.87		120.2	7.453		190.4	1.934		260.6	0.64
51.8	38.01		122.0	7.173		192.2	1.875		262.4	0.623
53.6	36.24		123.8	6.905		194.0	1.818		264.2	0.607
55.4	34.57		125.6	6.648		195.8	1.736		266.0	0.592
57.2	32.98		127.4	6.403		197.6	1.71		267.8	0.577
59.0	31.47		129.2	6.167		199.4	1.658		269.6	0.563
60.8	30.04		131.0	5.942		201.2	1.609		271.4	0.549
62.6	28.68		132.8	5.726		203.0	1.561		273.2	0.535
64.4	27.39		134.6	5.519		204.8	1.515		275.0	0.521
66.2	26.17		136.4	5.32		206.6	1.47		276.8	0.509

Temp (°F)	Resistance(kΩ)		Temp (°F)	Resistance(kΩ)		Temp (°F)	Resistance(kΩ)		Temp (°F)	Resistance(kΩ)
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Temp.(T)	Resistance(R1)	Temp.(T)	Resistance(R1)	Temp.(T)	Resistance(R1)	Temp.(T)	Resistance(R1)
-20.2	853.5	50.0	98	120.2	18.34	190.4	4.754
-18.4	799.8	51.8	93.42	122.0	17.65	192.2	4.609
-16.6	750	53.6	89.07	123.8	16.99	194.0	4.469
-14.8	703.8	55.4	84.95	125.6	16.36	195.8	4.334
-13.0	660.8	57.2	81.05	127.4	15.75	197.6	4.204
-11.2	620.8	59.0	77.35	129.2	15.17	199.4	4.079
-9.4	580.6	60.8	73.83	131.0	14.62	201.2	3.958
-7.6	548.9	62.6	70.5	132.8	14.09	203.0	3.841
-5.8	516.6	64.4	67.34	134.6	13.58	204.8	3.728
-4.0	486.5	66.2	64.33	136.4	13.09	206.6	3.619
-2.2	458.3	68.0	61.48	138.2	12.62	208.4	3.514
-0.4	432	69.8	58.77	140.0	12.17	210.2	3.413
1.4	407.4	71.6	56.19	141.8	11.74	212.0	3.315
3.2	384.5	73.4	53.74	143.6	11.32	213.8	3.22
5.0	362.9	75.2	51.41	145.4	10.93	215.6	3.129
6.8	342.8	77.0	49.19	147.2	10.54	217.4	3.04
8.6	323.9	78.8	47.08	149.0	10.18	219.2	2.955
10.4	306.2	80.6	45.07	150.8	9.827	221.0	2.872
12.2	289.6	82.4	43.16	152.6	9.489	222.8	2.792
14.0	274	84.2	41.34	154.4	9.165	224.6	2.715
15.8	259.3	86.0	39.61	156.2	8.854	226.4	2.64
17.6	245.6	87.8	37.96	158.0	8.555	228.2	2.568
19.4	232.6	89.6	36.38	159.8	8.268	230.0	2.498
21.2	220.5	91.4	34.88	161.6	7.991	231.8	2.431
23.0	209	93.2	33.45	163.4	7.726	233.6	2.365
24.8	198.3	95.0	32.09	165.2	7.47	235.4	2.302
26.6	199.1	96.8	30.79	167.0	7.224	237.2	2.241
28.4	178.5	98.6	29.54	168.8	6.998	239.0	2.182
30.2	169.5	100.4	28.36	170.6	6.761	240.8	2.124
32.0	161	102.2	27.23	172.4	6.542	242.6	2.069
33.8	153	104.0	26.15	174.2	6.331	244.4	2.015
35.6	145.4	105.8	25.11	176.0	6.129	246.2	1.963
37.4	138.3	107.6	24.13	177.8	5.933	248.0	1.912
39.2	131.5	109.4	23.19	179.6	5.746	249.8	1.863
41.0	125.1	111.2	22.29	181.4	5.565	251.6	1.816
42.8	119.1	113.0	21.43	183.2	5.39	253.4	1.77
44.6	113.4	114.8	20.6	185.0	5.222	255.2	1.725
46.4	108	116.6	19.81	186.8	5.06	257.0	1.682
48.2	102.8	118.4	19.06	188.6	4.904	258.8	1.64

Resistance Table of Ambient Temperature Sensor (100K)

Temp(°F)	Resistance(kΩ)	Temp(°F)	Resistance(kΩ)	Temp(°F)	Resistance(kΩ)	Temp(°F)	Resistance(kΩ)
-4.0	925.998	64.4	136.845	132.8	28.638	201.2	7.918
-2.2	876.141	66.2	130.752	134.6	27.600	203.0	7.676
-0.4	829.261	68.0	124.961	136.4	26.606	204.8	7.443
1.4	785.155	69.8	119.456	138.2	25.652	206.6	7.218
3.2	743.636	71.6	114.221	140.0	24.737	208.4	7.000
5.0	704.532	73.4	109.242	141.8	23.858	210.2	6.790
6.8	667.688	75.2	104.506	143.6	23.016	212.0	6.587
8.6	632.956	77.0	100.000	145.4	22.207	213.8	6.391
10.4	600.201	78.8	95.711	147.2	21.430	215.6	6.201
12.2	569.300	80.6	91.629	149.0	20.684	217.4	6.018
14.0	540.135	82.4	87.742	150.8	19.697	219.2	5.842
15.8	512.601	84.2	84.041	152.6	19.279	221.0	5.671
17.6	486.596	86.0	80.515	154.4	18.617	222.8	5.505
19.4	462.029	87.8	77.155	156.2	17.981	224.6	5.346
21.2	438.812	89.6	73.954	158.0	17.370	226.4	5.191
23.0	416.865	91.4	70.902	159.8	16.782	228.2	5.042
24.8	396.114	93.2	67.993	161.6	16.217	230.0	4.898
26.6	376.487	95.0	65.218	163.4	15.673	231.8	4.758
28.4	357.918	96.8	62.572	165.2	15.150	233.6	4.624
30.2	340.348	98.6	60.017	167.0	14.646	235.4	4.493
32.0	323.717	100.4	57.637	168.8	14.141	237.2	4.367
33.8	307.972	102.2	55.337	170.6	13.695	239.0	4.245
35.6	293.062	104.0	53.141	172.4	13.245	240.8	4.127
37.4	278.941	105.8	51.043	174.2	12.813	242.6	4.012
39.2	265.562	107.6	49.040	176.0	12.396	244.4	3.902
41.0	252.886	109.4	47.126	177.8	11.995	246.2	3.795
42.8	240.871	111.2	45.296	179.6	11.608	248.0	3.691
44.6	229.482	113.0	43.548	181.4	11.235	249.8	3.591
46.4	218.684	114.8	41.876	183.2	10.876	251.6	3.494
48.2	208.443	116.6	40.276	185.0	10.530	253.4	3.400
50.0	198.729	118.4	38.747	186.8	10.196	255.2	3.309
51.8	189.514	120.2	37.283	188.6	9.874	257.0	3.221
53.6	180.769	122.0	35.882	190.4	9.564	258.8	3.136
55.4	172.469	123.8	34.541	192.2	9.265	260.6	3.053
57.2	164.590	125.6	33.257	194.0	8.976	262.4	2.973
59.0	157.109	127.4	32.027	195.8	8.697	264.2	2.896
60.8	150.005	129.2	30.849	197.6	8.428	266.0	2.821
62.6	143.256	131.0	29.720	199.4	8.169	267.8	2.748

Temp(°F)	Resistance(kΩ)		Temp(°F)	Resistance(kΩ)		Temp(°F)	Resistance(kΩ)		Temp(°F)	Resistance(kΩ)
269.6	2.678		323.6	1.312		377.6	0.705		431.6	0.384
271.4	2.610		325.4	1.284		379.4	0.691		433.4	0.376
273.2	2.543		327.2	1.256		381.2	0.677		435.2	0.369
275.0	2.479		329.0	1.229		383.0	0.664		437.0	0.362
276.8	2.417		330.8	1.203		384.8	0.650		438.8	0.355
278.6	2.357		332.6	1.178		386.6	0.637		440.6	0.348
280.4	2.229		334.4	1.153		388.4	0.625		442.4	0.341
282.2	2.242		336.2	1.129		390.2	0.612		444.2	0.335
284.0	2.187		380.0	1.105		392.0	0.600		446.0	0.328
285.8	2.134		339.8	1.082		393.8	0.588		447.8	0.322
287.6	2.082		341.6	1.060		395.6	0.576		449.6	0.317
289.4	2.032		343.4	1.038		397.4	0.565		451.4	0.311
291.2	1.983		345.2	1.017		399.2	0.553		453.2	0.305
293.0	1.936		347.0	0.996		401.0	0.542		455.0	0.300
294.8	1.890		348.8	0.975		402.8	0.531		456.8	0.295
296.6	1.846		350.6	0.956		404.6	0.521		458.6	0.290
298.4	1.803		352.4	0.936		406.4	0.510		460.4	0.285
300.2	1.761		354.2	0.917		408.2	0.500		462.2	0.281
302.0	1.720		356.0	0.899		410.0	0.490		464.0	0.276
303.8	1.680		357.8	0.881		411.8	0.480		465.8	0.272
305.6	1.642		359.6	0.863		413.6	0.470		467.6	0.269
307.4	1.605		361.4	0.845		415.4	0.461		469.4	0.265
309.2	1.568		363.2	0.828		417.2	0.451		471.2	0.261
311.0	1.533		365.0	0.812		419.0	0.442		473.0	0.258
312.8	1.499		366.8	0.796		420.8	0.433		474.8	0.255
314.6	1.466		368.6	0.780		422.6	0.425		476.6	0.253
316.4	1.433		370.4	0.764		424.4	0.416		478.4	0.250
318.2	1.402		372.2	0.749		426.2	0.408		480.2	0.248
320.0	1.371		374.0	0.734		428.0	0.400		482.0	0.246
321.8	1.341		375.8	0.719		429.8	0.392		/	/

Appendix 3: Resistance Value Table of Humidity Sensor

HIS-06 temperature and humidity characteristic 41°F~57.2°F

Relative humidity	Temperature(°F)										Unit:KΩ
%RH	41°F	42.8°F	44.6°F	46.4°F	48.2°F	50°F	51.8°F	53.6°F	55.4°F	57.2°F	
90	5.35	4.92	4.55	4.23	3.95	3.70	3.47	3.25	3.05	2.87	
89	5.80	5.33	4.93	4.58	4.27	4.00	3.74	3.51	3.29	3.09	
88	6.29	5.77	5.33	4.95	4.62	4.32	4.03	3.78	3.54	3.32	
87	6.82	6.25	5.77	5.36	4.99	4.66	4.35	4.08	3.82	3.58	
86	7.40	6.78	6.25	5.80	5.40	5.04	4.70	4.40	4.11	3.85	
85	8.03	7.35	6.78	6.28	5.84	5.45	5.09	4.75	4.45	4.16	
84	8.71	7.97	7.35	6.81	6.33	5.91	5.50	5.14	4.80	4.49	
83	9.44	8.65	7.97	7.39	6.87	6.41	5.96	5.56	5.19	4.84	
82	10.25	9.39	8.65	8.02	7.46	6.96	6.47	6.03	5.62	5.24	
81	11.13	10.19	9.40	8.71	8.10	7.56	7.03	6.54	6.09	5.68	
80	12.09	11.07	10.21	9.46	8.80	8.21	7.62	7.08	6.59	6.13	
79	13.14	12.03	11.09	10.28	9.57	8.93	8.28	7.70	7.16	6.66	
78	14.27	13.07	12.05	11.17	10.40	9.70	8.99	8.35	7.75	7.20	
77	15.50	14.20	13.10	12.14	11.30	10.55	9.78	9.07	8.43	7.83	
76	16.84	15.43	14.24	13.21	12.30	11.48	10.64	9.87	9.16	8.51	
75	18.31	16.78	15.49	14.37	13.38	12.50	11.58	10.75	9.98	9.26	
74	19.91	18.25	16.85	15.64	14.57	13.62	12.62	11.72	10.89	10.12	
73	21.67	19.87	18.35	17.04	15.88	14.84	13.71	12.67	11.72	10.84	
72	23.61	21.66	20.00	18.57	17.31	16.18	14.98	13.90	12.89	11.96	
71	25.78	23.64	21.84	20.27	18.89	17.66	16.35	15.16	14.06	13.05	
70	28.15	25.82	23.85	22.15	20.65	19.30	17.91	16.63	15.46	14.37	
69	30.78	28.24	26.10	24.24	22.60	21.13	19.60	18.19	16.91	15.71	
68	33.69	30.92	28.58	26.55	24.76	23.16	21.48	19.94	18.53	17.22	
67	36.90	33.88	31.33	29.11	27.16	25.42	23.56	21.86	20.29	18.85	
66	40.45	37.16	34.37	31.96	29.84	27.93	25.83	23.92	22.15	20.52	
65	44.38	40.78	37.74	35.11	32.78	30.70	28.42	26.34	24.42	22.65	
64	48.75	44.81	41.48	38.59	36.05	33.77	31.24	28.93	26.80	24.83	
63	53.64	49.31	45.65	42.48	39.68	37.17	34.34	31.74	29.36	27.15	
62	59.14	54.36	50.32	46.82	43.73	40.97	37.83	34.96	32.32	29.87	
61	65.31	60.02	55.55	51.68	48.26	45.20	41.70	38.51	35.58	32.86	
60	72.27	66.40	61.43	57.13	53.33	49.94	46.07	42.53	39.28	36.27	
59	80.13	73.58	68.04	63.25	59.01	55.23	50.94	47.03	43.43	40.10	
58	88.92	81.61	75.43	70.08	65.36	61.14	56.40	52.08	48.11	44.43	
57	98.86	90.68	83.77	77.78	72.50	67.78	62.49	57.67	53.23	49.12	
56	112.59	102.79	94.50	87.33	81.00	75.33	69.42	64.03	59.07	54.48	
55	122.69	112.51	103.91	96.45	89.88	84.00	77.42	71.41	65.88	60.76	
54	137.09	125.76	116.19	107.89	100.57	94.03	86.69	79.99	73.82	68.11	
53	153.46	140.88	130.25	121.03	112.91	105.64	97.26	89.61	82.58	76.06	
52	172.19	158.19	146.35	136.10	127.05	118.96	109.52	100.90	92.97	85.63	
51	193.69	178.04	164.81	153.36	143.25	134.21	123.35	113.43	104.31	95.86	
50	218.48	200.85	185.94	173.02	161.63	151.44	139.14	127.90	117.57	108.01	
49	247.23	227.16	210.19	195.49	182.52	170.92	156.84	143.98	132.15	121.20	
48	278.74	256.20	237.15	220.64	206.08	193.06	177.34	163.00	149.80	137.58	
47	315.50	289.95	268.35	249.64	233.14	218.37	200.56	184.30	169.34	155.49	
46	357.93	328.94	304.43	283.20	264.47	247.72	227.57	209.18	192.25	176.59	
45	406.44	373.72	346.05	322.08	300.94	282.03	259.22	238.40	219.24	201.51	
44	463.66	426.44	394.96	367.70	343.66	322.14	296.25	272.62	250.87	230.74	
43	531.25	488.59	452.53	421.28	393.73	369.08	339.44	312.38	287.50	264.45	
42	611.22	562.01	520.40	484.35	452.55	424.11	390.24	359.31	330.86	304.52	
41	707.78	650.29	601.68	559.58	522.44	489.21	450.38	414.92	382.31	352.11	
40	823.98	756.22	698.93	649.30	605.53	566.37	521.46	480.46	442.74	407.81	
39	962.72	882.62	814.90	756.23	704.48	658.19	604.79	556.03	511.18	469.66	

38	1128.50	1033.61	953.39	883.90	822.61	767.78	704.83	647.37	594.51	545.56
37	1325.87	1213.40	1118.31	1035.94	963.29	898.30	823.48	755.17	692.34	634.16
36	1563.51	1430.14	1317.38	1219.71	1133.55	1056.48	967.04	885.39	810.28	740.74
35	1855.67	1695.83	1560.69	1443.63	1340.37	1248.00	1140.34	1042.06	951.64	867.93
34	2213.60	2020.33	1856.92	1715.37	1590.51	1478.82	1349.81	1232.04	1123.70	1023.39
33	2665.63	2426.92	2225.10	2050.27	1896.06	1758.12	1605.77	1466.69	1338.74	1220.28
32	3230.73	2933.36	2681.95	2464.17	2272.06	2100.23	1916.82	1749.39	1595.37	1452.76
31	3962.78	3585.59	3266.69	2990.44	2746.77	2528.80	2308.12	2106.66	1921.33	1749.74
30	4915.40	4431.65	4022.65	3668.35	3355.84	3076.30	2801.20	2550.06	2319.03	2105.13
29	6180.16	5548.66	5014.73	4552.22	4144.26	3779.32	3431.59	3114.13	2822.10	2551.72
28	7874.08	7035.10	6325.74	5711.27	5169.27	4684.43	4243.82	3841.57	3471.54	3128.95
27	10162.49	9029.08	8070.80	7240.70	6508.50	5853.53	5293.25	4781.75	4311.22	3875.57
26	13243.42	11702.63	10399.92	9271.46	8276.08	7385.69	6658.01	5993.68	5382.56	4816.75
25	17366.01	15270.67	13499.09	11964.48	10610.86	9400.00	8447.52	7577.98	6778.07	6037.48
24	22845.46	20023.30	17637.20	15570.26	13747.10	12116.22	10866.57	9725.72	8676.25	7704.59
23	30130.06	26367.98	23187.18	20431.85	18001.48	15827.43	14156.73	12631.50	11228.43	9929.38
22	39673.45	34712.87	30518.76	26885.65	23681.03	20814.39	18624.92	16626.08	14787.33	13084.91
21	51880.00	45447.42	40008.75	35297.56	31142.00	27424.72	24504.12	21837.82	19385.06	17114.16
20	68057.37	59623.21	52492.24	46315.10	40866.49	35992.53	32084.71	28517.14	25235.30	22196.79

HIS-06 temperature and humidity characteristic 59°F~75.2°F

Unit:KΩ

Relative humidity	Temperature(°F)									
%RH	59°F	60.8°F	62.6°F	64.4°F	66.2°F	68°F	69.8°F	71.6°F	73.4°F	75.2
90	2.70	2.56	2.43	2.31	2.19	2.08	1.99	1.91	1.83	1.75
89	2.91	2.76	2.61	2.48	2.35	2.23	2.13	2.04	1.95	1.86
88	3.12	2.96	2.80	2.66	2.52	2.39	2.28	2.18	2.08	1.98
87	3.36	3.18	3.01	2.85	2.70	2.56	2.44	2.33	2.22	2.12
86	3.61	3.42	3.23	3.06	2.90	2.75	2.62	2.50	2.38	2.27
85	3.90	3.69	3.49	3.30	3.12	2.95	2.81	2.67	2.54	2.42
84	4.20	3.97	3.76	3.55	3.36	3.18	3.03	2.88	2.74	2.61
83	4.52	4.28	4.05	3.83	3.63	3.43	3.26	3.10	2.94	2.79
82	4.89	4.63	4.38	4.14	3.92	3.71	3.52	3.33	3.16	2.99
81	5.29	5.00	4.73	4.48	4.24	4.01	3.80	3.60	3.42	3.23
80	5.70	5.39	5.10	4.83	4.57	4.33	4.10	3.88	3.68	3.48
79	6.19	5.85	5.53	5.22	4.94	4.67	4.41	4.17	3.94	3.72
78	6.69	6.32	5.96	5.63	5.32	5.02	4.75	4.49	4.24	4.01
77	7.27	6.85	6.46	6.09	5.74	5.41	5.11	4.83	4.56	4.31
76	7.90	7.44	7.00	6.59	6.20	5.83	5.51	5.21	4.92	4.65
75	8.60	8.08	7.60	7.14	6.71	6.30	5.95	5.62	5.30	4.99
74	9.40	8.82	8.28	7.77	7.29	6.83	6.45	6.09	5.74	5.41
73	10.02	9.44	8.89	8.38	7.89	7.43	7.01	6.60	6.21	5.84
72	11.10	10.43	9.79	9.19	8.63	8.09	7.62	7.17	6.74	6.33
71	12.10	11.36	10.67	10.02	9.40	8.82	8.31	7.82	7.36	6.92
70	13.36	12.52	11.72	10.98	10.27	9.60	9.03	8.49	7.97	7.48
69	14.60	13.67	12.79	11.97	11.19	10.45	9.82	9.23	8.66	8.11
68	16.00	14.96	13.99	13.07	12.20	11.37	10.68	10.02	9.39	8.78
67	17.50	16.35	15.27	14.26	13.30	12.39	11.61	10.86	10.15	9.47
66	19.00	17.76	16.60	15.51	14.47	13.49	12.64	11.83	11.05	10.31
65	21.00	19.59	18.26	17.01	15.82	14.70	13.76	12.86	12.01	11.19
64	23.00	21.43	19.96	18.57	17.25	16.00	14.98	14.00	13.06	12.16
63	25.10	23.38	21.77	20.24	18.80	17.44	16.31	15.24	14.22	13.24
62	27.60	25.66	23.84	22.13	20.51	18.97	17.73	16.55	15.42	14.34
61	30.33	28.17	26.14	24.23	22.42	20.71	19.37	18.10	16.88	15.72
60	33.47	31.05	28.78	26.64	24.62	22.70	21.24	19.84	18.50	17.23
59	37.00	34.31	31.77	29.39	27.13	24.99	23.37	21.83	20.36	18.95
58	41.00	38.00	35.18	32.52	30.00	27.61	25.82	24.11	22.47	20.90
57	45.30	41.99	38.88	35.95	33.18	30.54	28.59	26.72	24.94	23.24

56	50.20	46.55	43.12	39.89	36.83	33.93	31.76	29.69	27.71	25.82
55	56.00	51.92	48.08	44.47	41.05	37.80	35.35	33.02	30.79	28.65
54	62.80	58.20	53.88	49.80	45.95	42.29	39.51	36.87	34.34	31.92
53	70.00	64.95	60.21	55.74	51.51	47.50	44.33	41.31	38.42	35.65
52	78.80	73.12	67.79	62.76	58.00	53.49	49.86	46.40	43.10	39.94
51	88.00	81.79	75.97	70.47	65.27	60.34	56.11	52.08	48.23	44.54
50	99.10	92.12	85.57	79.39	73.55	68.00	63.15	58.52	54.10	49.86
49	111.00	103.28	96.04	89.20	82.74	76.61	70.94	65.54	60.38	55.44
48	126.20	117.27	108.88	100.97	93.48	86.38	79.89	73.71	67.79	62.13
47	142.60	132.48	122.97	114.00	105.52	97.48	90.16	83.18	76.51	70.12
46	162.00	150.38	139.46	129.16	119.43	110.19	101.62	93.45	85.64	78.17
45	185.00	171.49	158.81	146.85	135.53	124.80	115.00	105.66	96.74	88.20
44	212.00	196.23	181.41	167.45	154.23	141.70	130.18	119.19	108.69	98.64
43	243.00	224.65	207.41	191.15	175.78	161.19	148.03	135.48	123.49	112.01
42	280.00	258.38	238.08	218.93	200.82	183.64	168.64	154.32	140.65	127.56
41	324.00	298.37	274.29	251.59	230.12	209.75	192.53	176.11	160.43	145.41
40	375.30	344.95	316.43	289.55	264.12	240.00	220.30	201.52	183.57	166.39
39	431.00	395.97	363.07	332.05	302.71	274.87	251.94	230.08	209.19	189.19
38	500.00	458.51	419.54	382.80	348.04	315.07	289.04	264.21	240.49	217.78
37	580.00	531.11	485.18	441.88	400.92	362.06	332.09	303.52	276.21	250.07
36	676.00	618.14	563.79	512.55	464.08	418.09	383.52	350.57	319.07	288.92
35	790.00	721.80	657.74	597.34	540.20	486.00	445.77	407.41	370.75	335.66
34	930.00	848.96	772.84	701.08	633.19	568.78	521.38	476.19	433.01	391.66
33	1110.00	1011.10	918.19	830.60	747.75	669.14	613.58	560.59	509.97	461.49
32	1320.00	1201.45	1090.09	985.09	885.78	791.56	725.62	662.75	602.68	545.17
31	1590.00	1444.80	1308.40	1179.80	1058.15	942.75	863.43	787.81	715.55	646.36
30	1906.00	1731.91	1568.38	1414.20	1268.36	1130.00	1034.60	943.64	856.73	773.51
29	2300.00	2089.81	1892.37	1706.22	1530.13	1363.08	1244.55	1131.54	1023.56	920.17
28	2810.00	2550.31	2306.37	2076.38	1858.82	1652.43	1505.84	1366.07	1232.52	1104.65
27	3470.00	3144.23	2838.22	2549.70	2276.79	2017.87	1836.86	1664.27	1499.35	1341.45
26	4290.00	3885.50	3505.53	3147.28	2808.41	2486.92	2253.64	2031.21	1818.67	1615.18
25	5348.00	4843.01	4368.65	3921.40	3498.35	3097.00	2802.48	2521.66	2253.33	1996.42
24	6800.00	6152.28	5543.84	4970.19	4427.56	3912.77	3538.27	3181.20	2840.01	2513.33
23	8720.00	7888.61	7107.64	6371.32	5674.82	5014.05	4529.95	4068.38	3627.32	3205.04
22	11500.00	10371.38	9311.21	8311.65	7366.14	6469.15	5839.63	5239.39	4665.85	4116.71
21	15000.00	13512.80	12115.79	10798.65	9552.74	8370.76	7546.29	6760.17	6009.01	5289.82
20	19368.00	17441.37	15631.58	13925.26	12311.23	10780.00	9716.41	8702.31	7733.29	6805.52

HIS-06 temperature and humidity characteristic 77°F~93.2°F

Unit:KΩ

Relative humidity	Temperature(°F)									
%RH	77°F	78.8°F	80.6°F	82.4°F	84.2°F	86°F	87.8°F	89.6°F	91.4°F	93.2°F
90	1.68	1.62	1.57	1.52	1.47	1.42	1.37	1.33	1.28	1.24
89	1.78	1.72	1.66	1.61	1.55	1.50	1.45	1.40	1.36	1.31
88	1.89	1.83	1.76	1.70	1.65	1.59	1.54	1.49	1.44	1.39
87	2.02	1.95	1.88	1.81	1.74	1.68	1.63	1.57	1.52	1.47
86	2.16	2.08	2.00	1.93	1.85	1.78	1.72	1.66	1.61	1.55
85	2.30	2.21	2.13	2.05	1.97	1.89	1.82	1.76	1.70	1.64
84	2.48	2.38	2.28	2.19	2.10	2.01	1.94	1.87	1.80	1.73
83	2.65	2.54	2.43	2.33	2.24	2.14	2.06	1.98	1.91	1.83
82	2.83	2.71	2.60	2.49	2.38	2.28	2.19	2.11	2.02	1.94
81	3.06	2.93	2.80	2.67	2.55	2.44	2.34	2.24	2.15	2.06
80	3.28	3.14	3.00	2.86	2.73	2.60	2.49	2.38	2.28	2.18
79	3.51	3.35	3.20	3.05	2.91	2.78	2.65	2.54	2.42	2.31
78	3.78	3.61	3.44	3.28	3.12	2.97	2.83	2.70	2.57	2.45
77	4.06	3.87	3.69	3.51	3.34	3.17	3.03	2.88	2.74	2.61
76	4.38	4.17	3.97	3.77	3.58	3.40	3.23	3.07	2.92	2.77
75	4.70	4.47	4.25	4.04	3.84	3.64	3.46	3.28	3.11	2.94
74	5.09	4.83	4.59	4.35	4.12	3.90	3.70	3.51	3.32	3.14

73	5.49	5.21	4.94	4.68	4.43	4.19	3.97	3.75	3.54	3.34
72	5.93	5.62	5.33	5.04	4.77	4.50	4.26	4.02	3.80	3.57
71	6.49	6.13	5.79	5.46	5.14	4.84	4.57	4.32	4.07	3.83
70	7.00	6.61	6.24	5.88	5.53	5.20	4.91	4.63	4.35	4.09
69	7.59	7.16	6.75	6.35	5.96	5.59	5.27	4.97	4.67	4.38
68	8.20	7.73	7.28	6.84	6.42	6.01	5.67	5.34	5.01	4.70
67	8.82	8.32	7.83	7.36	6.91	6.47	6.10	5.74	5.38	5.04
66	9.60	9.03	8.49	7.96	7.46	6.97	6.57	6.18	5.80	5.43
65	10.40	9.78	9.18	8.61	8.06	7.52	7.08	6.65	6.24	5.84
64	11.30	10.62	9.96	9.33	8.72	8.13	7.65	7.19	6.74	6.30
63	12.30	11.55	10.82	10.12	9.45	8.80	8.27	7.75	7.26	6.78
62	13.30	12.49	11.71	10.96	10.23	9.53	8.96	8.41	7.87	7.35
61	14.60	13.69	12.81	11.97	11.15	10.36	9.73	9.12	8.53	7.96
60	16.00	14.99	14.02	13.08	12.17	11.30	10.61	9.94	9.29	8.66
59	17.60	16.48	15.40	14.35	13.35	12.38	11.61	10.87	10.15	9.46
58	19.40	18.15	16.95	15.79	14.68	13.60	12.75	11.93	11.13	10.36
57	21.60	20.18	18.81	17.49	16.22	14.99	14.05	13.14	12.26	11.41
56	24.00	22.40	20.86	19.37	17.94	16.55	15.50	14.48	13.50	12.54
55	26.60	24.81	23.10	21.44	19.84	18.30	17.13	16.00	14.90	13.83
54	29.60	27.59	25.66	23.81	22.01	20.28	18.96	17.69	16.46	15.26
53	33.00	30.74	28.57	26.48	24.46	22.52	21.04	19.62	18.24	16.90
52	36.90	34.35	31.90	29.53	27.25	25.05	23.38	21.77	20.21	18.69
51	41.00	38.18	35.47	32.86	30.34	27.90	26.03	24.22	22.46	20.76
50	45.80	42.62	39.55	36.60	33.75	31.00	28.91	26.89	24.93	23.03
49	50.70	47.20	43.83	40.59	37.45	34.43	32.08	29.81	27.61	25.47
48	56.70	52.72	48.90	45.21	41.66	38.22	35.62	33.10	30.67	28.30
47	64.00	59.37	54.91	50.61	46.46	42.46	39.57	36.78	34.07	31.45
46	71.00	65.89	60.97	56.22	51.65	47.23	43.99	40.85	37.81	34.86
45	80.00	74.13	68.48	63.03	57.78	52.70	49.02	45.46	42.00	38.65
44	89.00	82.54	76.32	70.33	64.54	58.96	54.75	50.69	46.74	42.92
43	101.00	93.48	86.25	79.28	72.55	66.06	61.28	56.65	52.17	47.82
42	115.00	106.23	97.79	89.66	81.81	74.23	68.69	63.33	58.14	53.10
41	131.00	120.81	111.01	101.56	92.44	83.64	77.33	71.23	65.31	59.57
40	149.90	138.01	126.56	115.53	104.88	94.60	87.37	80.37	73.58	66.99
39	170.00	156.52	143.54	131.04	118.97	107.32	99.08	91.11	83.38	75.88
38	196.00	180.09	164.79	150.04	135.81	122.06	112.71	103.65	94.88	86.37
37	225.00	206.61	188.92	171.87	155.41	139.52	128.86	118.54	108.53	98.82
36	260.00	238.50	217.80	197.86	178.62	160.04	147.90	136.16	124.77	113.73
35	302.00	276.83	252.61	229.27	206.76	185.00	170.96	157.37	144.19	131.41
34	352.00	322.66	294.42	267.21	240.96	215.59	199.30	183.53	168.24	153.40
33	415.00	380.13	346.58	314.24	283.04	252.90	233.57	214.84	196.70	179.09
32	490.00	448.82	409.19	371.01	334.16	298.57	275.69	253.53	232.06	211.23
31	580.00	531.32	484.48	439.35	395.79	353.72	326.76	300.66	275.37	250.83
30	693.69	634.81	578.16	523.57	470.89	420.00	387.67	356.36	326.02	296.58
29	821.00	751.60	684.82	620.48	558.38	498.40	459.39	421.61	385.00	349.49
28	982.00	898.01	817.20	739.32	664.18	591.58	544.87	499.65	455.82	413.29
27	1190.00	1085.85	985.63	889.06	795.87	705.85	649.51	594.96	542.09	490.80
26	1420.00	1297.43	1179.49	1065.83	956.17	850.22	781.68	715.32	651.00	588.59
25	1750.00	1597.27	1450.30	1308.67	1172.02	1040.00	954.91	872.53	792.68	715.22
24	2200.00	2005.83	1818.99	1638.94	1465.21	1297.38	1189.66	1085.37	984.29	886.22
23	2800.00	2551.47	2312.32	2081.87	1859.50	1644.68	1506.06	1371.84	1241.75	1115.55
22	3590.00	3270.74	2963.54	2667.51	2381.86	2105.90	1925.97	1751.75	1582.89	1419.07
21	4600.00	4191.56	3798.54	3419.81	3054.38	2701.33	2467.06	2240.24	2020.39	1807.10
20	5915.63	5385.23	4874.84	4383.03	3908.47	3450.00	3152.84	2865.12	2586.25	2315.70

HIS-06 Characteristic of temperature and humidity 95°F~113°F

Unit:KΩ

Relative humidity	Temperature(°F)										
%RH	95°F	96.8°F	98.6°F	100.4°F	102.2°F	104°F	105.8°F	107.6°F	109.4°F	111.2°F	113°F
90	1.20	1.17	1.14	1.11	1.08	1.05	1.02	1.00	0.98	0.95	0.93
89	1.27	1.23	1.20	1.16	1.13	1.10	1.07	1.05	1.02	1.00	0.97
88	1.34	1.30	1.26	1.22	1.19	1.15	1.12	1.09	1.07	1.04	1.02
87	1.42	1.37	1.33	1.29	1.25	1.21	1.18	1.15	1.12	1.09	1.06
86	1.50	1.45	1.40	1.36	1.31	1.27	1.24	1.20	1.17	1.14	1.11
85	1.58	1.53	1.48	1.43	1.38	1.33	1.29	1.26	1.23	1.19	1.16
84	1.67	1.61	1.56	1.50	1.45	1.40	1.36	1.32	1.29	1.25	1.21
83	1.76	1.70	1.64	1.58	1.52	1.47	1.43	1.39	1.35	1.31	1.27
82	1.86	1.79	1.73	1.66	1.60	1.54	1.50	1.45	1.41	1.37	1.33
81	1.97	1.90	1.82	1.75	1.69	1.62	1.57	1.53	1.48	1.44	1.40
80	2.08	2.00	1.93	1.85	1.78	1.71	1.66	1.61	1.56	1.51	1.46
79	2.20	2.12	2.03	1.95	1.88	1.80	1.74	1.69	1.64	1.59	1.54
78	2.33	2.24	2.15	2.07	1.98	1.90	1.84	1.78	1.72	1.67	1.61
77	2.48	2.38	2.28	2.18	2.09	2.00	1.94	1.87	1.81	1.75	1.69
76	2.62	2.51	2.41	2.31	2.21	2.12	2.05	1.98	1.91	1.84	1.78
75	2.78	2.67	2.56	2.45	2.34	2.24	2.16	2.09	2.01	1.94	1.87
74	2.96	2.84	2.71	2.60	2.48	2.37	2.29	2.20	2.12	2.04	1.97
73	3.14	3.01	2.88	2.75	2.63	2.51	2.42	2.33	2.24	2.15	2.07
72	3.36	3.21	3.06	2.92	2.78	2.65	2.55	2.46	2.36	2.27	2.18
71	3.60	3.44	3.28	3.12	2.97	2.82	2.71	2.61	2.50	2.40	2.30
70	3.83	3.65	3.48	3.32	3.16	3.00	2.88	2.77	2.65	2.54	2.43
69	4.10	3.91	3.73	3.55	3.37	3.20	3.07	2.94	2.82	2.70	2.58
68	4.40	4.19	3.99	3.79	3.60	3.41	3.27	3.13	2.99	2.86	2.73
67	4.71	4.49	4.27	4.06	3.85	3.65	3.49	3.34	3.19	3.05	2.90
66	5.08	4.83	4.59	4.36	4.13	3.91	3.74	3.57	3.41	3.25	3.09
65	5.45	5.19	4.93	4.68	4.44	4.20	4.01	3.83	3.65	3.47	3.30
64	5.88	5.59	5.31	5.04	4.78	4.52	4.31	4.11	3.91	3.72	3.53
63	6.31	6.00	5.70	5.41	5.13	4.85	4.63	4.41	4.20	4.00	3.80
62	6.84	6.50	6.17	5.84	5.53	5.22	4.98	4.75	4.52	4.30	4.09
61	7.40	7.03	6.66	6.31	5.97	5.63	5.37	5.12	4.88	4.64	4.41
60	8.05	7.64	7.24	6.86	6.48	6.11	5.83	5.55	5.28	5.01	4.76
59	8.78	8.33	7.89	7.46	7.05	6.64	6.33	6.02	5.72	5.43	5.14
58	9.61	9.10	8.61	8.13	7.66	7.20	6.86	6.52	6.19	5.87	5.56
57	10.58	10.00	9.43	8.88	8.34	7.82	7.44	7.08	6.72	6.36	6.02
56	11.61	10.96	10.33	9.71	9.11	8.53	8.11	7.70	7.30	6.91	6.53
55	12.80	12.07	11.36	10.68	10.00	9.35	8.88	8.42	7.97	7.53	7.10
54	14.10	13.29	12.50	11.73	10.98	10.25	9.72	9.21	8.70	8.21	7.73
53	15.60	14.68	13.78	12.90	12.05	11.22	10.63	10.06	9.50	8.96	8.42
52	17.22	16.18	15.18	14.20	13.24	12.31	11.66	11.02	10.40	9.79	9.19
51	19.10	17.93	16.79	15.68	14.59	13.54	12.81	12.10	11.40	10.72	10.05
50	21.18	19.87	18.60	17.36	16.15	14.97	14.14	13.33	12.54	11.77	11.01
49	23.40	21.97	20.57	19.21	17.89	16.60	15.65	14.73	13.82	12.94	12.08
48	26.00	24.35	22.75	21.20	19.68	18.20	17.17	16.16	15.18	14.21	13.27
47	28.90	27.06	25.28	23.54	21.85	20.20	19.03	17.88	16.77	15.68	14.61
46	32.00	29.95	27.96	26.03	24.14	22.30	21.00	19.74	18.50	17.29	16.11
45	35.40	33.16	30.99	28.87	26.81	24.80	23.33	21.90	20.50	19.14	17.80
44	39.20	36.71	34.29	31.93	29.64	27.40	25.79	24.21	22.67	21.17	19.70

43	43.60	40.77	38.02	35.35	32.74	30.20	28.45	26.73	25.06	23.43	21.83
42	48.20	45.06	42.00	39.02	36.13	33.30	31.40	29.55	27.74	25.97	24.25
41	54.00	50.43	46.97	43.59	40.30	37.10	34.98	32.92	30.90	28.93	27.00
40	60.60	56.63	52.78	49.02	45.36	41.80	39.36	36.98	34.66	32.39	30.17
39	68.60	64.04	59.61	55.30	51.10	47.00	44.23	41.53	38.89	36.31	33.78
38	78.10	72.70	67.45	62.33	57.35	52.50	49.44	46.45	43.54	40.69	37.90
37	89.40	82.99	76.75	70.68	64.76	59.00	55.58	52.24	48.98	45.80	42.68
36	103.00	95.43	88.06	80.89	73.91	67.10	63.17	59.33	55.59	51.93	48.35
35	119.00	110.35	101.94	93.75	85.77	78.00	73.18	68.47	63.88	59.39	55.00
34	139.00	129.32	119.90	110.73	101.80	93.10	86.80	80.66	74.66	68.80	63.07
33	162.00	149.97	138.28	126.90	115.81	105.00	98.24	91.63	85.19	78.89	72.73
32	191.00	176.44	162.29	148.50	135.08	122.00	114.10	106.40	98.87	91.52	84.34
31	227.00	209.28	192.04	175.27	158.93	143.00	133.62	124.46	115.52	106.79	98.25
30	268.00	247.75	228.05	208.88	190.20	172.00	160.04	148.37	136.97	125.83	114.95
29	315.00	291.16	267.97	245.41	223.43	202.00	187.96	174.26	160.88	147.81	135.03
28	372.00	342.25	313.32	285.16	257.73	231.00	215.94	201.25	186.90	172.88	159.17
27	441.00	404.50	369.01	334.45	300.80	268.00	251.39	235.18	219.35	203.88	188.76
26	528.00	484.54	442.27	401.13	361.06	322.00	301.66	281.81	262.43	243.49	224.98
25	640.00	590.21	541.79	494.65	448.75	404.00	375.91	348.49	321.72	295.57	270.00
24	791.00	735.73	681.97	629.64	578.68	529.00	486.67	445.36	405.02	365.60	327.08
23	993.00	926.97	862.74	800.23	739.35	680.00	621.22	563.85	507.84	453.11	399.61
22	1260.00	1171.18	1084.80	1000.72	918.82	839.00	766.05	694.86	625.34	557.42	491.03
21	1600.00	1476.79	1356.97	1240.33	1126.73	1016.00	929.53	845.14	762.74	682.23	603.53
20	2053.00	1880.43	1712.58	1549.22	1390.09	1235.00	1131.26	1030.03	931.17	834.59	740.18



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