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REPORT

On

Dehumidifiers, Refrigeration Type

GREE ELECTRIC APPLIANCES INC OF ZHUHAI
Zhuhai, Guangdong

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Refrigeration type dehumidifier, Models GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, G17-30ESDEHC, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GRD-E30CH-ESR4, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, KHD20AW, **GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A.**

OBSOLETE PRODUCT: (Retained for reference only)

USL, CNL - Refrigeration type dehumidifier, Models CK051030500.

GENERAL:

These units are self-contained portable refrigeration type dehumidifier with four casters without lock. They are energized through a permanently attached power supply cord.

Installation/operating instructions are provided with each unit.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Products designated USL have been investigated using requirements contained in the standard for Safety of Household and Similar Appliances, Part 1: General Requirements, UL 60335-1 and Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, UL 60335-2-40.

Products designated CNL have been investigated using requirements contained in the Standard for Safety of Household and Similar Appliances, Part 1: General Requirements, CAN/CSA-C22.2 No. 60335-1-11 and Safety of Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, CAN/CSA-C22.2 No. 60335-2-40-12.

"CN" indicates that a component shall bare the C-UL Listing/C-UL Recognition Mark, UL Certification or a CSA Certification Mark. If a CSA Certified component is used in lieu of a UL Certified component, the CSA Certification Mark shall be noted in the individual component description in lieu of the UL CCN.

MODEL NOMENCLATURE:

Model Designation:	G	D	N	30	AZ	-	A	3	E	B	A1	A
Reference Field No.:	1	2	3	4	5		6	7	8	9	10	11

1	G	Gree
2	Product Code	D: Dehumidifier
3	Function Code	N: Normal Function; E: Electric Heater; A: Adjustable Temperature
4	Dehumidification Capacity Code	30: 30 pints/day
5	Series Code	Represented by two capital letters. First one represent product category code and second one represent enclosure code.
6	Power Supply Code	A: 115 V ac, 60 Hz; D: 208/230 V ac, 60 Hz
7	Refrigerant Code	3: R410a; 4: R134a
8	Control Method Code	E: Electronic control; M: Mechanical control
9	Working Ambient Temperature Range	A: 18~32°C, B: 5~32°C
10	Appearance Improvement Code	It maybe any letter with number in A1, A2, ...Z9.
11	Improvement Code	It maybe any letter in A, B, ... Z.

MODEL DIFFERENCE

Model GDN30AZ-A3EBA1B is similar to Model GDN30AZ-A3EBA1A except for refrigeration system.

Model GDN30AZ-A3EBA2B is similar to Model GDN30AZ-A3EBA1B except for front panel assembly (including front unit cabinet and slide rail).

Model CK051030500 is identical to Model GDN30AZ-A3EBA2B except for model designation.

Model G17-30ESDEHC is identical to Model GDN30AZ-A3EBA2B except for model designation.

Model GDN30AZ-A3EBA1C is similar to model GDN30AZ-A3EBA1A except for display circuit. Model GDN30AZ-A3EBA1A is provided with optional temperature sensor on discharging tubing connecting to low-voltage Display PWB.

Model GDN30AZ-A3EBA2C is similar to model GDN30AZ-A3EBA2B except for display circuit. Model GDN30AZ-A3EBA2C is provided with additional temperature sensor on discharging tubing connecting to low-voltage Display PWB.

MODEL DIFFERENCE (CONT'D)

Model GRD-E30CH-ESR4 is identical to Model GDN30AZ-A3EBA2C except for model designation.

Model GDN20AZ-A3EBA1A is similar to Model GDN30AZ-A3EBA1A except for refrigerant system, including compressor, outlet tubing of evaporator coil and inlet tubing of condenser coil.

Refer to the following table for model difference -

New Model	Basic Model	Model Difference
GDN20AZ-A3EBA2A	GDN30AZ-A3EBA2C	Capillary tube and refrigerant charge amount
GDN20AZ-A3EBA4A	GDN20AZ-A3EBA2A	Front Unit Cabinet
GDN20AZ-A3EBA3A	GDN20AZ-A3EBA2A	Front Unit Cabinet
KHD20AW	GDN20AZ-A3EBA3A	Model Designation
GDN22AZ-A3EBA2A	GDN20AZ-A3EBA2A	Condenser, Capillary Tubing and Refrigerant Charge Amount
GDN22AZ-A3EBA3A	GDN20AZ-A3EBA3A	
GDN22AZ-A3EBA4A	GDN20AZ-A3EBA4A	
GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A	GDN22AZ-A3EBA2A	Front Unit Cabinet

GENERAL DESCRIPTION

10 - MARKING:

10-1 Nameplate Marking (See Sec. Gen. for nameplate material, PGDQ2, CN)
(Applicant - Include print of blank nameplate including material
identification information)

Listee's Name	Gree Electric Appliances Inc Of Zhuhai
Location	Cabinet side

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, CK051030500, G17-30ESDEHC, GDN30AZ-A3EBA2C, GRD-E30CH-ESR4
V	115	115
Frequency	60	60
Total A	4.3	3.4
Refrigerant, Type	R410A	R410A
Amount, kg	0.15	0.155
Design Pressure		
High Side, MPa	3.6	3.6
Low Side, MPa	2.2	2.2
Special Comments	@1	@2

Models above assembled with the following refrigeration system:

Nameplate footnote	Compressor	Cond. ILL.	Evap. ILL.	Capillary Code No.
@1	YZG- Q036FY2D2T3	ILL. 5	ILL. 6	CT1
@2	YZH- Q031AFY2D2T3	ILL. 5A	ILL. 6A	CT2

Date Code - (See Section General for explanation of date code)

Applicant - include explanation of date code and location.

10-1 Nameplate Marking (See Sec. Gen. for nameplate material, PGDQ2, CN)
(Applicant - Include print of blank nameplate including material
identification information) (Cont'd)

Listee's Name	Gree Electric Appliances Inc Of Zhuhai
Location	Cabinet side

Model	GDN20AZ-A3EBA1A	GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, KHD20AW
V	115	115
Frequency	60	60
Total A	3.7	3.1
Refrigerant, Type	R410A	R410A
Amount, kg	0.14	0.145
Design Pressure		
High Side, MPa	3.6	3.6
Low Side, MPa	2.2	2.2
Special Comments	@3	@4

Models above assembled with the following refrigeration system:

Nameplate footnote	Compressor	Cond. ILL.	Evap. ILL.	Capillary Code No.
@3	YZG-Q033FY2D2	ILL. 5	ILL. 6	CT1
@4	YZH-Q031AFY2D2T3	ILL. 5A	ILL. 6A	CT3

Date Code - (See Section General for explanation of date code)

Applicant - include explanation of date code and location.

10-1 Nameplate Marking (See Sec. Gen. for nameplate material, PGDQ2, CN)
(Applicant - Include print of blank nameplate including material
identification information) (Cont'd)

Listee's Name	Gree Electric Appliances Inc Of Zhuhai
Location	Cabinet side

Model	GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A	
V	115	
Frequency	60	
Total A	3.4	
Refrigerant, Type	R410A	
Amount, kg	0.135	
Design Pressure		
High Side, MPa	3.6	
Low Side, MPa	2.2	
Special Comments	@5	

Models above assembled with the following refrigeration system:

Nameplate footnote	Compressor	Cond. ILL.	Evap. ILL.	Capillary Code No.
@5	YZH- Q031AFY2D2T3	ILL. 5B	ILL. 6A	CT4

Date Code - (See Section General for explanation of date code)

Applicant - include explanation of date code and location.

10-2 Special Marking (PGDQ2, 8)

Model	All
A. Type	Label
Listee's Name	Various
Recognized Designation	Various
Location	Nearby power supply cord entrance
Quote Marking	"A damaged cord must be replaced with one supplied by the unit manufacturer and not repaired" or the equivalent

10-3 Wiring Diagram

*Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN20AZ-A3EBA1A
Location	Control Box
Material	Adhesive backed paper label or equivalent
Illustration	See Ill. 1 for details

Model	GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Location	Control Box
Material	Adhesive backed paper label or equivalent
Illustration	See Ill. 1A for details

Alternate -

Model	GDN30AZ-A3EBA1A, GDN20AZ-A3EBA1A
Location	Control Box
Material	Adhesive backed paper label or equivalent
Illustration	See Ill. 1A for details

20 CABINET AND ENCLOSURES:

20-1 Unit Cabinet

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A
Special Comments	Consist of three parts (Front Unit Cabinet, Rear Unit Cabinet, Top Unit Cabinet); See ILL. 2 (Front Unit Cabinet) and ILL. 3 (Top Unit Cabinet) for details.
Length, mm	340
Depth, mm	250
Height, mm	480
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Openings	
Area (L x W), mm	Air Outlet (on Top Unit Cabinet): 250 x 71; Air Inlet (on Front Unit Cabinet): 250 x 187
Spacing, mm	Air Outlet (on Top Unit Cabinet): 5; Air Inlet (on Front Unit Cabinet): 5;
Minimum distance to fan, mm	Air Outlet (on Top Unit Cabinet): 35; Air Inlet (on Front Unit Cabinet): N/A, Protected by Evaporator
Securement	By screws
Bonding for Grounding	N/A

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20-1 Unit Cabinet (Cont'd)

Model	GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN22AZ-A3EBA2A
Special Comments	Consist of three parts (Front Unit Cabinet, Rear Unit Cabinet, Top Unit Cabinet); See ILL. 2A (Front Unit Cabinet) and ILL. 3 (Top Unit Cabinet) for details.
Length, mm	340
Depth, mm	250
Height, mm	480
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Openings	
Area (L x W), mm	Air Outlet (on Top Unit Cabinet): 250 x 71; Air Inlet (on Front Unit Cabinet): 266 x 182
Spacing, mm	Air Outlet (on Top Unit Cabinet): 5; Air Inlet (on Front Unit Cabinet): 5.5;
Minimum distance to fan, mm	Air Outlet (on Top Unit Cabinet): 35; Air Inlet (on Front Unit Cabinet): N/A, Protected by Evaporator
Securement	By screws
Bonding for Grounding	N/A

20-1 Unit Cabinet (Cont'd)

Model	GDN20AZ-A3EBA4A, GDN22AZ-A3EBA4A
Special Comments	Consist of three parts (Front Unit Cabinet, Rear Unit Cabinet, Top Unit Cabinet); See ILL. 2B (Front Unit Cabinet) and ILL. 3 (Top Unit Cabinet) for details.
Length, mm	340
Depth, mm	250
Height, mm	495
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Openings	
Area (L x W), mm	Air Outlet (on Top Unit Cabinet): 250 x 71; Air Inlet (on Front Unit Cabinet): 260 x 185
Spacing, mm	Air Outlet (on Top Unit Cabinet): 5; Air Inlet (on Front Unit Cabinet): 5
Minimum distance to fan, mm	Air Outlet (on Top Unit Cabinet): 35; Air Inlet (on Front Unit Cabinet): N/A, Protected by Evaporator
Securement	By screws
Bonding for Grounding	N/A

20-1 Unit Cabinet (Cont'd)

Model	GDN20AZ-A3EBA3A, GDN22AZ-A3EBA3A
Special Comments	Consist of three parts (Front Unit Cabinet, Rear Unit Cabinet, Top Unit Cabinet); See ILL. 2C (Front Unit Cabinet) and ILL. 3 (Top Unit Cabinet) for details.
Length, mm	340
Depth, mm	250
Height, mm	480
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Openings	
Area (L x W), mm	Air Outlet (on Top Unit Cabinet): 250 x 71; Air Inlet (on Front Unit Cabinet): 241 x 186
Spacing, mm	Air Outlet (on Top Unit Cabinet): 5; Air Inlet (on Front Unit Cabinet): 11
Minimum distance to fan, mm	Air Outlet (on Top Unit Cabinet): 35; Air Inlet (on Front Unit Cabinet): N/A, Protected by Evaporator
Securement	By screws
Bonding for Grounding	N/A

20-2 Unit Base

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Openings	None
Bonding for Grounding	N/A

20-3 Front Grille

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Material	Polymeric, see Sec. 30 for details
Securement	By screws
Special Comment	Integrated with Front Unit Cabinet

20-4 Moving Parts - Guarding

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Material	Polymeric, see Sec. 30 for details
Securement (method)	Integrated with Top Unit Cabinet

20-5 Control Box

Model	All		
Material	Galvanized steel		
Physical Size (L x D x H), mm	105 x 90 x 191		
Material Thickness, mm	Control Box Body - 0.75; Top Cover - 0.75	Control Box Body - 0.75; Top Cover - 0.6	Control Box Body - 0.6; Top Cover - 0.6
Bonding for Grounding	By the grounding lead of power supply cord		
Securement	By screws		
Contained Components	Temperature Controller (Main PWB), Compressor Capacitor, Fan Motor capacitor, Transformer		
Special Comments	Consist of two parts (Control Box Body, Top Cover); Secured to each other by screws; Only minimum size openings for the passage of power supply cords and internal wiring; No other openings when assembled;		
Illustration	Refer to ILL. 4 for details	Refer to ILL. 4A for details	Refer to ILL. 4B for details

20-6 Terminal Cap

Model	All
Material	Galvanized steel
Thickness, mm	1.15
Securement	By a bolt and nut
Location	Over terminal enclosure of compressor
Special Comments	Used as additional cover of compressor terminal

20-7 Unit Drain Pan

Model	All
Material	Polymeric, see Sec. 30 for details
Thickness, mm	See Sec. 30 for details
Securement	Inserted into the slot of Unit Base and also secured by screws
Special Comments	Used to support Condenser Coil, Evaporator Coil and Fan Shroud; Also served as barrier to isolate compressor and Water Bucket

20-8 Water Level Switch Box

Model	All
Material	Polymeric, see sec.30 for details
Securement (Method)	By screws

20-9 Slide Rail

Model	GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Material	Polymeric, see sec.30 for details
Securement (Method)	By screws

30 NONMETALLIC COMPONENTS:

Manufacturer - Provide a description of all nonmetallic materials such as breaker, fan guards, cabinet or door liner light shields, etc. Specify whether or not it is Recognized.

Note: Assembly drawings may be helpful in illustrating the location of nonmetallic material with regard to wiring, fan motors, heaters, controls, etc. to aid in determining the appropriate flammability tests for materials.

30-1 Nonmetallic Components

MODEL	All
Front Unit Cabinet	Recognized (QMFZ2, CN)
Listee	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Front Unit Cabinet - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360
Alternate Front Unit Cabinet - Same as above except	
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Minimum Flammability Rating/RTI, °C	HB/80
Rear Unit Cabinet	Recognized (QMFZ2, CN)
Listee	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Rear Unit Cabinet - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360
Alternate Rear Unit Cabinet - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	PC/ABS, 2540(f2)
Alternate Rear Unit Cabinet - Same as above except	
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Minimum Flammability Rating/RTI, °C	HB/80
Top Unit Cabinet	Recognized (QMFZ2, CN)
Listee	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Top Unit Cabinet - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360
Alternate Top Unit Cabinet - Same as above except	
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Minimum Flammability Rating/RTI, °C	HB/80

30-1 Nonmetallic Components (Cont'd)

MODEL	All
Unit Base	Recognized (QMFZ2, CN)
Listee	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Unit Base - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360
Alternate Unit Base - Same as above except	
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Minimum Flammability Rating/RTI, °C	HB/80
Unit Drain Pan	Recognized (QMFZ2, CN)
Listee	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Unit Drain Pan - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360

30-1 Nonmetallic Components (Cont'd)

MODEL	All
Water Level Swtich Box	Recognized (QMFZ2, CN)
Listee	Various
Material Designation	Various
Thickness, mm	Any required for V-0
Minimum Flammability Rating	V-0

MODEL	GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Slide Rail	Recognized (QMFZ2, CN)
Listee	Various
Material Designation	Various
Thickness, mm	Any required
Minimum Flammability Rating	V-0

30-1 Nonmetallic Components (Cont'd)

Model	All
Blower Wheel	Recognized (QMFZ2)
Listee's Name	Any recognized
Material Designation	Any recognized (ABS)
Thickness, mm	2.5
* Minimum Flammability Rating	HB
Fan Shroud	Recognized (QMFZ2)
Listee's Name	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS, HF-606
Thickness, mm	2.0
Minimum Flammability Rating/RTI, °C	V-0/60
Alternate Fan Shroud - Same as above except	
Listee	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS, 3360
Alternate Fan Shroud - Same as above except	
Listee's Name	ZHUHAI GREE NEW MATERIALS CO LTD (E494416)
Material Designation	ABS, AB001F
Water Bucket	Recognized (QMFZ2, CN)
Listee's Name	Various
Material Designation	Various
Thickness, mm	Any required
Minimum Flammability Rating	HB
Air Filter	Recognized (QMFZ2, CN)
Listee's Name	Various
Material Designation	Various
Thickness, mm	Any required
Minimum Flammability Rating	HB

Note: Line voltage wiring is isolated from HB and HBF rated materials unless the wiring is rated VW-1.

30-1 Nonmetallic Components (Cont'd)

Model	GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Fan Shroud - Alternate	Recognized (QMFZ2, CN)
Listee's Name	SANSHUI CITY GOLD LAKE ENGINEERING PLASTIC CO LTD (E200174)
Material Designation	ABS, PA-6001
Thickness, mm	2.0
Minimum Flammability Rating/RTI, °C	V-2/60
Alternate Fan Shroud - Same as above except the following -	
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Minimum Flammability Rating/RTI, (C	HB/80
Unit Drain Pan - Alternate	Recognized (QMFZ2, CN)
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Thickness, mm	2.5
Minimum Flammability Rating/RTI, °C	HB/80
Slide Rail - Alternate	Recognized (QMFZ2, CN)
Listee	NINGBO LG YONGXING CHEMICAL CO LTD(E203955)
Material Designation	ABS, HI-121H
Thickness, mm	Min. 2.0
Minimum Flammability Rating	HB/80

40 REFRIGERATION SYSTEM:

40-1 Compressor (Recognized SLIS2, CN)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C
Listee's Name	XIAN QINGAN REFRIGERATION EQUIPMENT CO LTD
Designation	YZG-Q036FY2D2T3
UL File No./Issued Date	SA32170/2006-09-29
Electrical Rating	
V, Hz, Phase	115, 60, 1
LRA	16
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter
Components of compressor Assembly ((Not for UL Representative's use)	
Terminal Enclosure	R/C (QMFZ2, CN), Rated 5VA, RTI 155°C.
Gasket Under Terminal Enclosure	R/C (QMFZ2, CN), min Rated HB, min RTI 130°C.

40-2 Overload Protector

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C
Employed with Compressor	YZG-Q036FY2D2T3
Listee's Name	CHANGZHOU CHANGRONG ELECTRICAL APPLIANCE CO LTD
Model or Designation	HPA-416
Internal or External?	Internal

40-5 Run Capacitor (Recognized CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C
Employed with Compressor	YZG-Q036FY2D2T3
Type	Oil Filled
Listee's Name	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	25, 250, T70
Minimum AFC Rating	5000
Location	Within Control Box
Container Material	Aluminum or steel
Corrosion Protection	Inherent
Mounting (+)	Minimum 14.3 mm clearance
Retention means	Secured by a metal strap and screw

(+) - No obstruction located in front of cover.

40-1 Compressor (Recognized SLIS2, CN) (Cont'd)

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Listee's Name	XIAN QINGAN REFRIGERATION EQUIPMENT CO LTD
Designation	YZH-Q031AFY2D2T3
UL File No./Issued Date	SA32170/2006-09-29
Electrical Rating	
V, Hz, Phase	115, 60, 1
LRA	14
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter
Components of compressor Assembly ((Not for UL Representative's use)	
Terminal Enclosure	R/C (QMFZ2, CN), Rated 5VA, RTI 155°C.
Gasket Under Terminal Enclosure	R/C (QMFZ2, CN), min Rated HB, min RTI 130°C.

40-2 Overload Protector

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Employed with Compressor	YZH-Q031AFY2D2T3
Listee's Name	ChangZhou ChangRong Electrical APPLIANCE COLTD
Model or Designation	HPA-414
Internal or External?	Internal

40-5 Run Capacitor (Recognized CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Employed with Compressor	YZH-Q031AFY2D2T3
Type	Oil Filled
Listee's Name	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	25, 250, T70
Minimum AFC Rating	5000
Location	Within Control Box
Container Material	Aluminum or steel
Corrosion Protection	Inherent
Mounting (+)	Minimum 14.3 mm clearance
Retention means	Secured by a metal strap and screw

(+) - No obstruction located in front of cover.

40-1 Compressor (Recognized SLIS2, CN) (Cont'd)

Model	GDN20AZ-A3EBA1A
Listee's Name	XIAN QINGAN REFRIGERATION EQUIPMENT CO LTD
Designation	YZG-Q033FY2D2
UL File No./Issued Date	SA32170/2017-11-23
Electrical Rating	
V, Hz, Phase	115, 60, 1
LRA	14
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter
Components of compressor Assembly ((Not for UL Representative's use)	
Terminal Enclosure	R/C (QMFZ2, CN), Rated 5VA, RTI 155°C.
Gasket Under Terminal Enclosure	R/C (QMFZ2, CN), min Rated HB, min RTI 130°C.

40-2 Overload Protector

Model	GDN20AZ-A3EBA1A
Employed with Compressor	YZG-Q033FY2D2
Listee's Name	CHANGZHOU CHANGRONG ELECTRICAL APPLIANCE CO LTD (E237353)
Model or Designation	HPA-415
Internal or External?	Internal

40-5 Run Capacitor (Recognized CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN20AZ-A3EBA1A
Employed with Compressor	YZG-Q033FY2D2
Type	Oil Filled
Listee's Name	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	25, 250, T70
Minimum AFC Rating	5000
Location	Within Control Box
Container Material	Aluminum or steel
Corrosion Protection	Inherent
Mounting (+)	Minimum 14.3 mm clearance
Retention means	Secured by a metal strap and screw

(+) - No obstruction located in front of cover.

50 REFRIGERATION SYSTEM: (Refrigerant Containing Components)

50-1 Condenser (Fin and Tube Types)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A
Manufacturer	Gree Electric Appliances Inc Of Zhuhai
No. Tubes High	10
No. Tubes Deep	2
Physical Size of Finned Section, W x H x D, mm	245 x 190.5 x 22.8
Tubing Material	Copper
Tubing OD, mm	5.0
Tubing Wall Thickness, mm	0.23
Return Bend Tubing OD, mm	5.0
Return Bend Wall Thickness, mm	0.41
Fins per Inch	18
Bonding for Grounding (Method)	Through copper tubing to compressor
Product Line Test Pressure, MPa (Minimum)	3.6
Illustration	Refer to ILL. 5 for details

50-1 Condenser (Fin and Tube Types) (Cont'd)

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A
Manufacturer	Gree Electric Appliances Inc Of Zhuhai
No. Tubes High	8, 8, 10
No. Tubes Deep	3
Physical Size of Finned Section, W x H x D, mm	245 x 190.5 x 34.2
Tubing Material	Copper
Tubing OD, mm	5.0
Tubing Wall Thickness, mm	0.23
Return Bend Tubing OD, mm	5.0
Return Bend Wall Thickness, mm	0.41
Fins per Inch	18
Bonding for Grounding (Method)	Through copper tubing to compressor
Product Line Test Pressure, MPa (Minimum)	3.6
Illustration	Refer to ILL. 5A for details

50-1 Condenser (Fin and Tube Types) (Cont'd)

Model	GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Manufacturer	Gree Electric Appliances Inc Of Zhuhai
No. Tubes High	10
No. Tubes Deep	3
Physical Size of Finned Section, W x H x D, mm	245 x 190.5 x 34.2
Tubing Material	Copper
Tubing OD, mm	5.0
Tubing Wall Thickness, mm	0.23
Return Bend Tubing OD, mm	5.0
Return Bend Wall Thickness, mm	0.41
Fins per Inch	18
Bonding for Grounding (Method)	Through copper tubing to compressor
Product Line Test Pressure, MPa (Minimum)	3.6
Illustration	Refer to ILL. 5B for details

50-2 Evaporator (Fin and Tube Type)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A
Manufacturer	GREE ELECTRIC APPLIANCES INC OF ZHUHAI
No. Tubes High	10
No. Tubes Deep	1
Physical Size of Finned Section, W x H x D, mm	245 x 190.5 x 12.7
Tubing Material	Copper
Tubing OD, mm	7
Tubing Wall Thickness, mm	0.25
Return Bend OD, mm	7
Return Bend Wall Thickness, mm	0.41
Fins per Inch	18
Bonding	Through copper tubing to compressor
Product Line Test Pressure, MPa (Minimum)	2.2
Illustration	Refer to ILL. 6 for details

50-2 Evaporator (Fin and Tube Type) (Cont'd)

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Manufacturer	GREE ELECTRIC APPLIANCES INC OF ZHUHAI
No. Tubes High	10
No. Tubes Deep	2
Physical Size of Finned Section, W x H x D, mm	245 x 190.5 x 25.4
Tubing Material	Copper
Tubing OD, mm	7
Tubing Wall Thickness, mm	0.25
Return Bend OD, mm	7
Return Bend Wall Thickness, mm	0.41
Fins per Inch	18
Bonding	Through copper tubing to compressor
Product Line Test Pressure, MPa (Minimum)	2.2
Illustration	Refer to ILL. 6A for details

50-3 Accumulator - Integrated Part of R/C Compressor

50-4 Refrigerant Control

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C	
Capillary Tube - No. Provided	1	1	
Material	Copper	Copper	
ID, mm	0.9	1.0	
Wall Thickness, mm	0.55	0.65	
Length, mm	700	550	
Capillary Code (Not for UL Representative's use)	CT1	CT2	

Model	GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A	GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Capillary Tube - No. Provided	1	1
Material	Copper	Copper
ID, mm	1.0	0.9
Wall Thickness, mm	0.65	0.55
Length, mm	600	600
Capillary Code (Not for UL Representative's use)	CT3	CT4

50-6 Interconnecting Tubing (See Sec. Gen.)

50-7 Method of Joining Tubing and Components - See Sec. Gen.

60 MOTORS:

60-1 Fan Motor (Recognized XEWR2, CN)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Listee's Name	ZHUHAI KAIBANG MOTOR MFG CO LTD (E257969)
Model No.	CF16Y-1
Recognized Designation	YY011-704P01-001
UL File No./Issued Date	E470671/2013-08-08
Rating V, A, W, Hz	115, 0.33, 11, 60
Overheating Protection	Thermally protected
Listee's Name	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD (E214731)
Model Designation	18AM-B
Motor Type	Enclosed
Mounting	Secured to Fan Shroud by screws
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter

60-2 Fan Capacitor (Recognized CZDS2, CN or CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Employed with Fan Motor	YY011-704P01-001
Type	Dry
Listee	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	5, 250, T70
Location	Within Control Box
Securement	By one screw and two tabs

60-1 Fan Motor (Recognized XEWR2, CN) - Cont'd

Alternate -

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A
Listee's Name	ZHONG SHAN NAN-FENG ELECTRICAL MACHINERY CO LTD
Model No.	CF16Y-1
Recognized Designation	YY011-704PL01-001
UL File No./Issued Date	E256306/2013-04-26
Rating V, A, W, Hz	115, 0.3, 11, 60
Overheating Protection	Thermally protected
Listee's Name	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD (E214731)
Model Designation	BR-A
Motor Type	Enclosed
Mounting	Secured to Fan Shroud by screws
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter

60-2 Fan Capacitor (Recognized CZDS2, CN or CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1C, GDN20AZ-A3EBA1A
Employed with Fan Motor	YY011-704PL01-001
Type	Dry
Listee	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	5, 250, T70
Location	Within Control Box
Securement	By one screw and two tabs

60-1 Fan Motor (Recognized XEWR2, CN) - Cont'd

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Listee's Name	ZHONG SHAN NAN-FENG ELECTRICAL MACHINERY CO LTD
Model No.	CF16Y-1
Recognized Designation	YY011-704PL01-001
UL File No./Issued Date	E256306/ 2013-04-26
Rating V, A, W, Hz	115, 0.3, 11, 60 (Winding Cu, Insulation Class A)
Overheating Protection	Thermally protected
Listee's Name	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD (E214731)
Model Designation	BR-A
Motor Type	Enclosed
Mounting	Secured to Fan Shroud by screws
Bonding for Grounding	A dedicated bonding wire identified by color combination green/yellow (18 AWG) secured to control box by a mechanical screw with 4 mm thread diameter

60-2 Fan Capacitor (Recognized CZDS2, CN or CYWT2, CN) (See Sec. Gen. for Spacings)

Model	GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Employed with Fan Motor	YY011-704PL01-001
Type	Dry
Listee	Various
Model No.	Various
Rating, uF, V min., Ambient Temperature	5, 250, T70
Location	Within Control Box
Securement	By one screw and two tabs

70 ELECTRICAL COMPONENTS:

70-1 Switches

Model	All
Use (Loads Controlled)	Water Level
Manufacturer	Various
Model Number	Various
Electrical Rating	125 V, 16 A
Location/Enclosure	Behind Water Bucket
Special Comments	Electrically located in low voltage circuit power supplied by Class 2 transformer. No safety function.

70-2 Transformer - R/C (XOKV2, CN)

Model	All
Listee's Name	DONGGUAN CITY DAZHONG ELEC CO LTD DONGGUAN CITY WANXING ELEC FTY
Model Designation	35X15D(1)
UL File No./Issued Date	E218861/2006-08-21
Rating	Primary - 110-120 V, 60 Hz; Secondary - 11.8 V, 250 mA
Securement	By screws

Alternative:

Model	All
Listee's Name	SHENZHEN JINGQUANHUA ELECTRONICS CO LTD
Model Designation	DB-EI35-5051A
UL File No./Issued Date	E221053/2012-02-23
Rating	Primary - 120 V, 60 Hz; Secondary - 11.8 V, 250 mA
Securement	By screws

70-3 Temperature Controller

Model	All	
Main PWB		
Manufacturer	Gree Electric Appliances Inc Of Zhuhai	
Model No.	M10101AH	
Circuit Schematic	High voltage circuit shall not differ from ILL. 7	High voltage circuit shall not differ from ILL. 7A
PWB Layout	PWB layout shall not differ from ILL. 8	PWB layout shall not differ from ILL. 8A
Printed Wiring Board	R/C (ZPMV2, CN), Rated V-0, 130°C, Suitable for direct support of live parts	
Populated Components on M10101AH (Main PWB) -		
Compressor Relay (1 provided)	<p>R/C (NLDX2, 8), XIAMEN HONGFA ELECTROACOUSTIC CO LTD (E134517), Type JQX-102F, Rated 1 HP, 120V ac, 100K cycles, T85;</p> <p>Or R/C (NLDX2, 8), SONG CHUAN PRECISION CO LTD (E88991), Type 891WP-1A-C, Rated 18 FLA, 98 LRA, 240 Vac, 30K cycles, T65;</p> <p>Or R/C (NLDX2, 8), DONGGUAN SANYOU ELECTRICAL APPLIANCES CO LTD (E190598), Type SFK-112DM, Rated 1 HP, 120 V ac, 100K cycles, T80;</p> <p>Or R/C (NLDX2, 8), DONGGUAN CHUROD ELECTRONICS CO LTD (E341422), Type CHF-V-112DA2, Rated 240 V ac, 2 Hp, 100K cycles, T85;</p> <p>R/C (NLDX2, 8), OMRON CORP (E41643), Model G4A-1A-E-CN, Rated 1-1/2 hp, 120 Vac, Cycles 100,000;</p>	
Fan Motor Relay (3 provided)	<p>R/C (NLDX2, 8), XIAMEN HONGFA ELECTROACOUSTIC CO LTD (E134517), Type JZC-32F, Rated 1/10 HP, 125 V ac, 100K cycles, T70;</p> <p>Or R/C (NLDX2, CN), DONGGUAN SANYOU ELECTRICAL APPLIANCES CO LTD (E190598), Type SJ-S-112DM, Rated 1/3 HP, 240 V ac, 30K Cycles, T105;</p> <p>Or R/C (NLDX2, CN), DONGGUAN CHUROD ELECTRONICS CO LTD (E341422), Model A1-S-112DA, Rated 125 V ac, 1/6 HP, 100K cycles, T85;</p> <p>R/C (NLDX2,8), SONG CHUAN PRECISION CO LTD (E88991), Model 307-1AH-C, rated 1/4 HP, 250V, 30K Cycles;</p> <p>R/C (NRNT2, 8), Tyco Electronics (Shenzhen) Co., LTD (E82292), Model OJE-SS-112DM, 120 V ac, 10 LRA/1.5 FLA, 100K Cycles, T85;</p>	
Fuse (FU1)	R/C (JDYX2, CN), Rated 120 V Min., 3.15 A	
Varistor (RV1)	R/C (VZCA2, CN), Rated 385 V Min.	
X Capacitor (C1)	R/C (FOWX2, CN), Rated 275 V Min., 0.01 uF	
Display PWB - Low voltage		
Printed Wiring Board	R/C (ZPMV2), Rated V-0	
Humidity PWB - Low voltage		
Printed Wiring Board	R/C (ZPMV2), Rated V-0	

80 INTERNAL WIRING:

80-1 Wiring Method

Except as follows, see Sec. Gen. for complete wiring details.

- A. Compressor leads are No. 18 AWG (UL 1015), rated 105°C.
- B. Fan motor leads are No. 20 or 22 AWG (UL 1015), rated 105°C.
- C. All wiring is rated VW-1, 300 V minimum.
- D. The internal leads as indicated below are covered by one layer of R/C (YDPU2, CN) insulating sleeving with min. thickness as indicated below. Insulating sleeving is secured in place by cable tie and used for isolating when these leads contact with high voltage leads.
 - 0.5 mm thick sleeving for Internal leads connecting Main PWB and Display Board (PWB);
 - 0.5 mm thick sleeving for Internal leads connecting Water Level Switch
 - only for models provided with temperature sensor on discharging tubing - 0.25 mm thick sleeving for Internal leads connecting temperature sensor on discharging tubing;
- E. The internal leads as indicated below are additionally covered by one layer of R/C (YDPU2, CN) shrinkable insulating sleeving with min thickness as indicated below. These sleeving are placed nearby the termination of leads (connector).
 - 0.25 mm thick sleeving for Internal leads connecting Main PWB and Display Board (PWB);
 - 0.25 mm thick sleeving for Internal leads connecting Water Level Switch

90 ELECTRICAL SUPPLY CONNECTION:

90-1 Cord Connected Unit

Model	GDN30AZ-A3EBA1A, GDN30AZ-A3EBA1B, GDN30AZ-A3EBA2B, GDN30AZ-A3EBA1C, GDN30AZ-A3EBA2C, GDN20AZ-A3EBA1A, GDN20AZ-A3EBA2A, GDN20AZ-A3EBA4A, GDN20AZ-A3EBA3A, GDN22AZ-A3EBA2A, GDN22AZ-A3EBA3A, GDN22AZ-A3EBA4A
Power Supply Cord (with plug)	Any Listed (ELBZ,7)
Flexible Cord Type	SJT
Size, AWG No., Minimum	3 x 18
Attachment Plug Cap	
Rating (V, A)	125, 15
Cord Length(+), m	1.5 minimum, 3 maximum
Strain Relief Means	Cable clamp screwed to Unit Base, refer to ILL. 9 for details
Means to prevent pushback displacement	Integrated bushing of power supply cord blocked by the rib integrated with Unit Base
Grounding Conductor Color	Green with one or more yellow stripes.
Securement of Grounding Conductor	
Location	Control Box
Securement of Means	4 mm thread diameter of mechanical screw with star washer

+ - Measured between the attachment plug and (1) any point at which the cord exits the product cabinet or (2) the last strain relief, whichever is shorter.

100 ADDITIONAL COMPONENTS:

Model	All
Cluster Connectors - Recognized (ECBT2, CN), suitable for size and type of wires used.	
Quick Connectors - Recognized (RFVW2, CN), suitable for size and type of wires used.	
Tubing/Sleeving - Recognized (YDFU2, CN), VW-1, suitable for size and type of wires used.	

Figures

The following figures represent all models unless otherwise specified.

Fig.	Description
1	Front Side
2	Left Side
3	Rear Side
4	Right Side
5	Top Side
6	Internal View - A
7	Internal View - B
8	Internal View - C
9	Control Box
10	Main PWB - Top Layer
11	Main PWB - Bottom Layer

The following figures represent Models with Appearance Improvement Code "A2".

Fig.	Description
12	Front Side
13	Front Panel Assembly

The following figures represent Models with Appearance Improvement Code "A3".

Fig.	Description
12A	Front Side

Illustrations

ILL.	Description
1, 1A	Wiring Diagram
*2, 2A-2C	Front Unit Cabinet
3	Top Unit Cabinet
4, 4A-4B	Control Box
5, 5A-5B	Condenser
6, 6A	Evaporator
7,7A	Circuit Schematic
8,8A	PWB Layout
9	Strain Relief
10, 10A	Instruction Manual