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REPORT

on

Air Conditioners, Room

GREE ELECTRIC APPLIANCES INC OF ZHUHAI
ZHUHAI, GUANGDONG 519070 CHINA

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DESCRIPTION

PRODUCT COVERED:

USL, CNL - Portable Air Conditioner, Model GPC08AK-A3NNA1A, GPC06AK-A3NNA1A, GPC10AK-A3NNA1A, GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, G16-10PACSH, G17-8PACSW, G17-10PACSW, G17-8PACSH1, G17-8PACSH, G17-10PACSH, G17-10PACSH1, G17-10PACSHI, GPC05AK-A3NNA2B, GPC06AK-A3NNA2B, GRP-E06SH-R4W, GRP-E06SH-R4, TPAC10S-C116A1, GPC06AK-A3NNA3B, TPAC06S-C116A3, GPC05AK-A3NNA1C, **GPC06AK-A3NNA1C**.

GENERAL:

These units covered by this report are cord connected, air-cooled, portable type, room air conditioner with a hermetically sealed self-contained refrigeration system. The evaporator blower and condenser fan are driven by one coaxial electric motor. Units employ a forced air Condenser. A removable and flexible exhaust "duct" is provided with the unit to discharge hot air out of the conditioned space and a set of window kit is provided with the unit for installation of air exhaust duct to the standard application.

These units covered by this Report have no battery compartment incorporating coin cell batteries of lithium technologies.

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

Products designated USL have been investigated using requirements contained in the Standard for Room Air Conditioners, UL 484.

Products designated CNL have been investigated using requirements contained in CAN/CSA C22.2 No. 117.

"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.

INSTALLATION AND OPERATING INSTRUCTIONS:

Each unit is provided with installation and operating instruction, see ILL. 1 for details.

The instructions include the following wording regarding the use of extension cords: "Do not use an extension cord" or similar words.

MODEL NOMENCLATURE:

Explanation:

G	P	C	10	AK	-	A	3	N	N	A1	A
1	2	3	4	5		6	7	8	9	10	11

1 - G: Gree

2 - P: Portable Type

3 - Model Code:

C: Cooling

4 - Cooling Capacity Code.

10: 10,000 Btu/h

08: 8,000 Btu/h

06: 6,500 Btu/h, 6,000 Btu/h

05: 5,000 Btu/h

5 - Series Code. Represented by two capital letters. First one represent product category code and second one represent different enclosure and construction design.

6 - Power Supply Code.

A: 115 V ac, 60 Hz;

7 - Refrigerant Code.

3: R410a

8 - Frequency.

N: 60Hz

9 - Climate Code.

N: T1 condition

10 - Appearance Improvement Code. It represents front panel design, maybe any letter with number in A1, A2....

11 - Improvement Code. It maybe any letter in A, B, ... Z

MODEL DIFFERENCE:

Model GPC06AK-A3NNA1A is similar to Model GPC08AK-A3NNA1A except for power supply cord and refrigeration system (including compressor, evaporator, condenser and capillary tubing).

Model GPC10AK-A3NNA1A is similar to Model GPC08AK-A3NNA1A except for rating, power supply cord, fan motor and refrigeration system (including compressor and capillary tubing).

GPC08AK-A3NNA2A is similar to Model GPC08AK-A3NNA1A except for the Unit Cabinet appearance and temperature Controller.

GPC10AK-A3NNA2A is similar to Model GPC10AK-A3NNA1A except for the Unit Cabinet appearance and temperature Controller.

Model G16-10PACSH is similar to Model GPC10AK-A3NNA2A except for model designation.

Model G17-8PACSW is identical to Model GPC08AK-A3NNA2A except for model designation.

Model G17-10PACSW is identical to Model GPC10AK-A3NNA1A except for model designation.

Model G17-8PACSH1 is identical to Model GPC08AK-A3NNA2A except for model designation.

Model G17-8PACSH is identical to Model GPC08AK-A3NNA2A except for model designation.

Models G17-10PACSH and G17-10PACSH1 are identical to model GPC10AK-A3NNA2A except for model designation.

Model G17-10PACSHI is identical to Model GPC10AK-A3NNA2A except for model designation.

Model GPC05AK-A3NNA2B is similar to Model GPC08AK-A3NNA2A except for Refrigerant Amount, Compressor, Evaporator and Fan motor.

Model GPC06AK-A3NNA2B is similar to Model GPC10AK-A3NNA2A except for Refrigerant Amount, Compressor, and capillary tube.

Model GRP-E06SH-R4W is identical to Model GPC06AK-A3NNA2B except for model designation.

Model GRP-E06SH-R4 is similar to Model GPC06AK-A3NNA2B except for model designation.

MODEL DIFFERENCE: (CONT'D)

Refer to the following table for model difference.

New Model	Basic Model	Model Difference
TPAC10S-C116A1	GPC10AK-A3NNA1A	Model designation
TPAC06S-C116A3	GPC06AK-A3NNA3B	Model designation
GPC06AK-A3NNA3B	GPC06AK-A3NNA2B	Unit Cabinet, Including Left/Right Side Panel, Unit Front & Unit Rear
GPC05AK-A3NNA1C	GPC05AK-A3NNA2B	Temperature Controller (Main PWB) and Unit Cabinet, Including Left/Right Side Panel, Unit Front & Unit Rear
GPC06AK-A3NNA1C	GPC06AK-A3NNA2B	Refrigerant Mass, Compressor, Temperature Controller and Unit Cabinet, Including Left/Right Side Panel, Unit Front & Unit Rear

Refer to the following table for model similarity -

New Model	Basic Model	Model Similarity
GPC05AK-A3NNA1C	GPC10AK-A3NNA1A	Same Unit Cabinet, Including Left/Right Side Panel, Unit Front & Unit Rear
GPC06AK-A3NNA1C	GPC05AK-A3NNA1C	Same Temperature Controller and Unit Cabinet, Including Left/Right Side Panel, Unit Front & Unit Rear

CONSTRUCTION DETAILS:

10 - MARKING:

10-5 Nameplate Marking Recognized (PGDQ2, CN)

Model	GPC08AK-A3NNA1A, GPC08AK-A3NNA2A, G17-8PACSW, G17-8PACSH1, G17-8PACSH
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount	15.2 oz
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	6.3
A - Heating	N/A
Frequency, Hz	60
Special Comment	@1

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@1	QXA-A058xL130B	Ill. 13	ILL. 14	CT1	YY040-954P02-001

10-5 Nameplate Marking Recognized (PGDQ2, CN)

*

Model	GPC06AK-A3NNA1A
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount	10.9 oz
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	5.6
A - Heating	N/A
Frequency, Hz	60
Special Comment	@2

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@2	QXA-A053xL130A	Ill. 13A	ILL. 14A	CT2	YY040-954P02-001

10-5 Nameplate Marking Recognized (PGDQ2, CN)

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A, G16-10PACSH, G17-10PACSW, G17-10PACSH, G17-10PACSH1, G17-10PACSHI, TPAC10S-C116A1
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount	14.1 oz
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	9.1
A - Heating	N/A
Frequency, Hz	60
Special Comment	@3

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@3	QXA-A081xL130C	Ill. 13	ILL. 14	CT3	YSK50-4L
@3	QXA-A081xL130C	Ill. 13	ILL. 14	CT3	YY050- 954P02-901

10-5 Nameplate Marking Recognized (PGDQ2, CN)

Model	GPC05AK-A3NNA2B, GPC05AK-A3NNA1C
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount	12.3 oz
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	6.6
A - Heating	N/A
Frequency, Hz	60
Special Comment	@4

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@4	QXA-A069xL130A	Ill. 13	ILL. 14A	CT1	YY050-954P02-901, YSK50-4L

10-5 Nameplate Marking Recognized (PGDQ2, CN)

Model	GPC06AK-A3NNA2B, GRP-E06SH-R4W, GRP-E06SH-R4, GPC06AK-A3NNA3B, TPAC06S-C116A3
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount	13.1 oz
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	8.5
A - Heating	N/A
Frequency, Hz	60
Special Comment	@5

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@5	QXA-A083xL130C	Ill. 13	ILL. 14	CT4	YSK50-4L YY050- 954P02-901

10-5 Nameplate Marking Recognized (PGDQ2, CN)

Model	GPC06AK-A3NNA1C
Listee's Name	See Section General
Location	Unit Cabinet, Right or Left Side
Listee's Name	See Cover Page
Refrigerant	
Type	R410A
Amount, Oz.	13.4
Design Pressure	
High Side, psig	550
Low Side, psig	360
Electrical Rating - Cord Connected Units	
V	115
A - Cooling	8.0
A - Heating	N/A
Frequency, Hz	60
Special Comment	@6

Models above assembled with the following critical components:

Nameplate footnote	Compressor	Cond. ILL	Evap. ILL	Capillary Code No.	Fan Motor
@5	YZG-A082AFY2D2	Ill. 13	ILL. 14	CT4	YSK50-4L, YY050- 954P02-901

10-10 Special Marking

Model	All
A. Type	Label, same as nameplate marking
Listee's Name	See Section General
Recognized Designation	See Section General
Location	On the nameplate
Quote Marking A	"CAUTION: Risk of Electric Shock. Disconnect Power Before Servicing!"
Quote Marking B	"A damaged power supply cord must be replaced with a new power supply cord obtained from the product manufacturer and not repaired."
Model	All models which rated 7.5A or above
B. Type	Label, same as nameplate marking
Listee's Name	See Section General
Recognized Designation	See Section General
Location	On the nameplate
Letter Height	Not less than 4.8 mm
Quote Marking C	"Use on Single Outlet Circuit Only."

10-20 Wiring Diagram (Not Required)

Model	All
Location	On control enclosure cover
Material	Same as nameplate or Adhesive backed paper label
Comments	See ILL. 2 for details

20 - ENCLOSURES:

20-5 Ultimate Enclosure (Including Casters)

Model	GPC08AK-A3NNA1A, GPC06AK-A3NNA1A, GPC10AK-A3NNA1A, GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC05AK-A3NNA2B, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C
Approximate Physical Size, H x W x D, mm	770 x 315 x 395

20-10 Unit Base Pan

Model	All
Material	Plastic, See Item 30-5
Thickness, mm	Min. 1.5
Bonding for Grounding (Method)	N/A
Chassis Retention in Cabinet	By screws
Means Provided for Condensate Drainage	One hole ID 6.8 mm, At the lower edge of unit base pan (Rear Side)

20-15 Unit Cabinet

Model	GPC08AK-A3NNA1A, GPC06AK-A3NNA1A, GPC10AK-A3NNA1A, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C	
Material	Polymeric, See Item 30-5	
Thickness, mm	Min. 1.5	
Bonding for Grounding (Method)	N/A	
Securement to Chassis	Consist of Left/Right Side Panel, Unit Front, Unit Rear and Unit Top, secured to each other and to Unit Base Pan By screws. See ILL. 4 for Left Side Panel. See ILL. 5 for Right Side Panel. See ILL. 6 for Unit Front. See ILL. 7 for Unit Rear.	
Openings (Condenser Side Inlet)		
Type	Grid	
Location	Unit Rear (Bottom)	Left Side panel (Bottom)
Approximate Area (L x W), mm	250 x 144	250 x 170
Spacing to moving parts, mm	N/A, protected by condenser coil	
Comments (Not for UL Representative's Use)	The temperature of outside surface of the condenser which could be contacted by persons did not exceed 85 °C	
Openings (Condenser Side Discharge)		
Type	Grid	
Location	Unit Rear (Middle)	
Area (L x W) (Diameter), mm	98.5 x 149	
Spacing to moving parts, mm	76.8	
Openings (Evaporator Side Inlet)		
Type	Grid	
Location	Unit Rear (Upper)	Left Side Panel (Upper)
Area (H x W), mm	215 x 170	195 x 138
Spacing to moving parts, mm	N/A, protected by evaporator coil	
Openings (Evaporator Side Discharge)		
Type	Rectangular louvered opening	
Location	Unit Front (Upper)	
Area (H x W) (Diameter), mm	146 x 150	
Spacing to moving parts, mm	72.9	

20-15 Unit Cabinet (Cont'd)

*Model	GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC05AK-A3NNA2B, GPC06AK-A3NNA2B	
Material	Polymeric, See Item 30-5	
Thickness, mm	Min. 1.5	
Bonding for Grounding (Method)	N/A	
Securement to Chassis	Consist of Left/Right Side Panel, Unit Front, Unit Rear and Unit Top, secured to each other and to Unit Base Pan By screws. See ILL. 4A for Left Side Panel. See ILL. 5A for Right Side Panel. See ILL. 6A for Unit Front. See ILL. 7 for Unit Rear.	
Openings (Condenser Side Inlet)		
Type	Grid	
Location	Unit Rear (Bottom)	Left Side panel (Bottom)
Approximate Area (L x W), mm	250 x 144	250 x 170
Spacing to moving parts, mm	N/A, protected by condenser coil	
Comments (Not for UL Representative's Use)	The temperature of outside surface of the condenser which could be contacted by persons did not exceed 85 °C	
Openings (Condenser Side Discharge)		
Type	Grid	
Location	Unit Rear (Middle)	
Area (L x W) (Diameter), mm	98.5 x 149	
Spacing to moving parts, mm	76.8	
Openings (Evaporator Side Inlet)		
Type	Grid	
Location	Unit Rear (Upper)	Left Side Panel (Upper)
Area (H x W), mm	215 x 170	195 x 138
Spacing to moving parts, mm	N/A, protected by evaporator coil	
Openings (Evaporator Side Discharge)		
Type	Rectangular louvered opening	
Location	Unit Front (Upper)	
Area (H x W) (Diameter), mm	146 x 150	
Spacing to moving parts, mm	72.9	

20-15 Unit Cabinet (Cont'd)

Model	GPC06AK-A3NNA3B	
Material	Polymeric, See Sec. 30 for details	
Bonding for Grounding (Method)	N/A	
Special Comments	Consist of five parts (Left/Right Side Panel, Unit Front, Unit Rear and Unit Top); See ILL. 4B for Left Side Panel; See ILL. 5B for Right Side Panel; See ILL. 6B for Unit Front; See ILL. 7A for Unit Rear;	
Securement (Method)	By screws	
Openings (Condenser Side Inlet)		
Type	Grille	
Location	Unit Rear	Right Side Panel
Area (L x W), mm	250 x 170	250 x 144
Spacing, mm	7.4	7.4
Min. Distance to moving parts, mm	N/A, protected by condenser coil	
Comments (Not for UL Representative's Use)	The temperature of outside surface of the condenser which could be contacted by persons did not exceed 85 °C	
Openings (Condenser Side Discharge)		
Type	Grille	
Location	Unit Rear	
Area (L x W), mm	92 x 142	
Spacing, mm	9.2	
Min. Distance to Moving Parts, mm	85 (from Condenser Blower Guarding to Condenser Blower Wheel)	
Openings (Evaporator Side Inlet)		
Type	Rectangular Opening (with detachable Rear Grille)	Grille
Location	Unit Rear	Right Side Panel
Area (L x W), mm	215 x 210	195 x 138
Spacing, mm	N/A	7.7
Min. Distance to Moving Parts, mm	N/A, protected by evaporator coil	
Openings (Evaporator Side Discharge)		
Type	Rectangular louvered opening	
Location	Unit Front	
Area (L x W), mm	146 x 155	
Min. Distance to Moving Parts, mm	40 (from metal Evaporator Blower Guarding to Evaporator Blower wheel)	

20-20 Unit Top

Model	All
Material	Polymeric, See Item 30-5
Securement (Method)	By screws and tabs
Comments	Also served as Control Panel, contains low-voltage operating PWB.

20-25 Filter

Model	All
Material	Polymeric, See Item 30-10

20-30 Control Enclosure

Model	All
Material	Galvanized Steel
Location	Under Unit Top
Thickness, mm	0.75
Assembly	Control Enclosure is composed of Control Box and Control Box Cover secured together by screws.
Size (H x W x D), mm	61.2 x 185.5 x 169.1
Openings, Number	No openings for high-voltage circuit component, minimum size openings for the passage of power supply cords and internal wiring
Corrosion Protection (Method)	Galvanized
Bonding for Grounding (Method)	Grounding conductor of supply cord secured to Control Box by mechanical screw. No other bonding conductor was secured by this screw.
Comments	Totally enclose the Control PWB and Fan Motor Running Capacitor
Illustration	See ILL. 8 for details

20-35 Compressor Running Capacitor Enclosure

Model	All
Material	Galvanized Steel
Location	Unit right side, middle
Thickness, mm	0.75
Assembly	Compressor Running Capacitor Enclosure is composed of two parts, the box and cover, secured together by screws.
Size (H x W x D), mm	80 x 172.5 x 55
Openings, Number	No openings for high-voltage circuit component, minimum size openings for the passage of internal wiring.
Corrosion Protection (Method)	Galvanized
*Bonding for Grounding (Method)	By dedicated bonding wiring (#) to Control Enclosure. No other bonding conductor was secured by this screw.
Comments	Totally enclose the Compressor Running Capacitor. # - The bonding wiring AWG rating was not less than the grounding wiring of the unit supply cord.
Illustration	See ILL. 9 for details

20-45 Moving Parts - Guarding

Model	All
Evaporator Blower	
Material	Polymeric Louver and Metal Grid
Comments	protected by 1 layer of vertical louvers, 1 layer of horizontal louvers and 1 layer of metal grid Distance between each vertical louvers, 23 mm; Distance between each horizontal louvers, 23 mm; Metal Grid size, see ILL. 10
Securement (Method)	Secured by snap-fit and hooks
Spacing to moving parts	72.9
Condenser Side Blower	
Material	Polymeric, See Item 30-5, Unit Cabinet
Comments	Integral part of Unit Rear
Spacing to moving parts	76.8

20-50 Water motor impeller enclosure

Model	All
Material	Polymeric, See Item 30-10
Securement (Method)	By screws

20-55 Rear Grille

Model	GPC06AK-A3NNA3B
Material	Polymeric, See Sec. 30 for details
Area of openings (L x W), mm	170 x 217
Spacing, mm	7.6
Location	Unit Rear
Special Comments	Snap fit into Unit Rear; Used for the rear side air inlet of evaporator
Illustration	See ILL. 19 for details

30 - NONMETALLIC COMPONENTS:

30-5 Machine Compartment

Model	All
Unit Cabinet (Left/Right Side Panel, Unit Front, Unit Rear)	Recognized (QMFZ2, CN)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	ABS
Type Designation	HI-121H
Minimum Thickness Used, mm.	1.5
Flammability Classification (Minimum Required)	HB
Unit Cabinet (Left/Right Side Panel, Unit Front, Unit Rear) - Alternate - Same as above except the following	
Listee's Name	CHI MEI CORPORATION (E56070)
Material	PS
Type Designation	PH-888G
RTI, °C	50

Model	All
Unit Top	Recognized (QMFZ2, CN)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	ABS
Type Designation	HI-121H
Minimum Thickness Used, mm.	1.5
Flammability Classification (Minimum Required)	HB
Unit Top - Alternate - Same as above except the following	
Listee's Name	CHI MEI CORPORATION (E56070)
Material	PS
Type Designation	PH-888G
RTI, °C	50

Model	All
Unit Base Pan	Recognized (QMFZ2, CN)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	ABS
Type Designation	HI-121H
Minimum Thickness Used, mm.	1.5
Flammability Classification (Minimum Required)	HB

30-10 Room Air Handling Compartment

Model	All
Condenser Blower Wheel	Recognized (QMFZ2, CN)
Listee's Name	Various
Material Designation	Various
* Minimum Thickness Used, mm	3.0
Flammability Classification (Minimum Required)	HB
Comments	Refer to ILL. 11 for Condenser blower wheel
Condenser Fan Shroud	Recognized (QMFZ2, CN)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	HI-121H
Minimum Thickness Used, mm	1.5
Flammability Classification (Minimum Required)	HB

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's Name	CHI MEI CORPORATION (E56070)
Material Designation	PA-777D
Minimum Thickness Used, mm	1.5
Flammability Classification (Minimum Required)	HB
Condenser Fan Shroud - Alternate - Same as above except the following	
Listee's Name	CHI MEI CORPORATION (E56070)
Material	PS
Type Designation	PH-888G
RTI, °C	50

Model	All
Air Duct	Recognized (QMFZ2, 8)
Listee's Name	Various
Material Designation	Various
Minimum Thickness, mm	Minimum thickness required for HB
Flammability Classification (Minimum Required)	HB

Model	All
Water motor impeller enclosure	Recognized (QMFZ2, 8)
Listee's Name	Various
Material Designation	Various
Minimum Thickness, mm	Minimum thickness required for HB
Flammability Classification (Minimum Required)	HB

30-10 Room Air Handling Compartment (CONT'D)

Model	All
Evaporator Blower Wheel	Recognized (QMFZ2)
Listee's Name	Various
Material Designation	Various (ABS)
* Minimum Thickness Used, mm	2.5
Flammability Classification (Minimum Required)	HB
Comments	Refer to ILL. 12 for Evaporator blower wheel
Evaporator Blower Scroll	Recognized (QMFZ2)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	HI-121H
Minimum Thickness Used, mm	1.5
Flammability Classification (Minimum Required)	HB
Evaporator Blower Scroll - Alternate - Same as above except the following	
Listee's Name	CHI MEI CORPORATION (E56070)
Material	PS
Type Designation	PH-888G
RTI, °C	50
Evaporator Drain Pan	Recognized (QMFZ2, 8)
Listee's Name	Various
Material Designation	Various
Minimum Thickness, mm	Minimum thickness required for HBF or HF-1
Flammability Classification (Minimum Required)	HBF or HF-1

Model	All
Moving Parts Guarding - Evaporator Side (louvers)	Recognized (QMFZ2)
Listee's Name	NINGBO LG YONGXING CHEMICAL CO LTD (E203955)
Material Designation	HI-121H
Minimum Thickness Used, mm	1.5
Flammability Classification (Minimum Required)	HB
Moving Parts Guarding - Evaporator Side (louvers) - Alternate - Same as above except the following	
Listee's Name	CHI MEI CORPORATION (E56070)
Material	PS
Type Designation	PH-888G
RTI, °C	50

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30-10 Room Air Handling Compartment (CONT'D)

Model	All
Control Panel	Recognized (QMFZ2, 8)
Listee's Name	Various
Material Designation	Various
Minimum Thickness Used, mm	Any required value for HB
Flammability Classification (Minimum Required)	HB

Model	All
Filter	Recognized (QMFZ2, 8)
Listee's Name	Various
Material Designation	Various
Type Designation	Various
Minimum Thickness Used, mm	Minimum thickness required for HB
Flammability Classification (Minimum Required)	HB

Model	All
Main board supporting plate	Recognized (QMFZ2, 8)
Listee's Name	KINGFA SCI & TECH CO LTD (E171666)
Material Designation	ABS
Type Designation	HF-630
Minimum Thickness Used, mm	2.0
Flammability Classification (Minimum Required)	5VA
HAI	0
CTI	0
HWI	4 (Also rated V-0)
RTI	60 °C

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's Name	SILVER AGE ENGINEERING PLASTICS (DONGGUAN) CO LTD (E225348)
Material Designation	ABS
Type Designation	3370
Minimum Thickness Used, mm	2.0
Flammability Classification (Minimum Required)	5VA
HAI/CTI/HWI/RTI	0/1/2/90 °C

30-10 Room Air Handling Compartment (CONT'D)

Main Board Supporting Plate - ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's Name	SANSHUI CITY GOLD LAKE ENGINEERING PLASTIC CO LTD (E200174)
Material Designation	ABS
Type Designation	PA-6005A
Minimum Thickness Used, mm	3.0
Flammability Classification (Minimum Required)	5VA
HAI/CTI/HWI/RTI	0/1/0/ 60 °C

Model	GPC06AK-A3NNA3B
Rear Grille	Recognized (QMFZ2, CN)
Listee's Name	Various
Material Designation	Various
Minimum Thickness Used, mm.	Min. required for HB
Flammability Classification (Minimum Required)	HB

40 - REFRIGERATION SYSTEM:

40-5 Condenser

Model	GPC08AK-A3NNA1A, GPC10AK-A3NNA1A, GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC05AK-A3NNA2B, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C	
Manufacturer	Gree Electric Appliances Inc Of Zhuhai	
Number Tubes High	14	14
Number Tubes Deep	2	1
Physical Size, Finned Section, mm (L x W x D)	"L" shape, See ILL. 13 for details	
Tubing Material	Copper	
Tubing OD, mm	5	
Tubing Wall Thickness, mm	0.23	
Return Bend OD, mm	5	
Return Bend Thickness, mm	0.41	
Corrosion Protection	Inherent	
Bonding for Grounding (Method)	Through tubing to Compressor	
Product Line Test Pressure, psig (Minimum) (For reference only)	550	

40-5 Condenser (Cont'd)

Model	GPC06AK-A3NNA1A	
Manufacturer	Gree Electric Appliances Inc Of Zhuhai	
Special Comments	Consist of two parts	
Part No.	Part 1	Part 2
Number Tubes High	10	10
Number Tubes Deep	2	1
Physical Size, Finned Section, mm (L x W x H)	237 x 200 x 266.7 ("L" shape)	200 x 173 x 266.7 ("L" shape)
Tubing Material	Copper	
Tubing OD, mm	5	5
Tubing Wall Thickness, mm	0.23	0.23
Return Bend OD, mm	5	5
Return Bend Thickness, mm	0.41, 0.5	0.5
Corrosion Protection	Inherent	
Bonding for Grounding (Method)	Through tubing to Compressor	
Product Line Test Pressure, psig (Minimum) (For reference only)	550	
Illustration	See ILL. 13A for details	

40-10 Evaporator

Model

GPC08AK-A3NNA1A, GPC10AK-A3NNA1A,
 GPC08AK-A3NNA2A, GPC10AK-A3NNA2A,
 GPC06AK-A3NNA2B, GPC06AK-A3NNA3B,
GPC06AK-A3NNA1C

Manufacturer

Gree Electric Appliances Inc Of
 Zhuhai

Number Tubes High

12

Number Tubes Deep

2

Physical Size, Finned Section, mm

"L" shape, See ILL. 14 for details

Tubing Material

Copper

Tubing OD, mm

7

Tubing Wall Thickness, mm

0.25

Return Bend OD, mm

7

Return Bend Thickness, mm

0.41

Corrosion Protection

Inherent

Bonding for Grounding (Method)

Through tubing to compressor

Production Line Test Pressure, psig
 (Minimum) (For reference only)

360

40-10 Evaporator (Cont'd)

Model	GPC06AK-A3NNA1A, GPC05AK-A3NNA2B, GPC05AK-A3NNA1C
Manufacturer	Gree Electric Appliances Inc Of Zhuhai
Number Tubes High	12, 8
Number Tubes Deep	2
Physical Size, Finned Section, mm (L x W x H)	225 x 212 x 228.6 ("L" shape)
Tubing Material	Copper
Tubing OD, mm	7
Tubing Wall Thickness, mm	0.25
Return Bend OD, mm	7
Return Bend Thickness, mm	0.41, 0.5
Corrosion Protection	Inherent
Bonding for Grounding (Method)	Through tubing to compressor
Production Line Test Pressure, psig (Minimum) (For reference only)	360
Illustration	See ILL. 14A for details

40-15 Pressure Relief

Model	All
Means Provided	Brazed Joint
Location	Refrigeration Tubing

40-20 Accumulator - Integral Part of Recognized Compressor

40-35 Refrigerant Control

Model	GPC08AK-A3NNA1A, GPC08AK-A3NNA2A, GPC05AK-A3NNA2B, GPC05AK-A3NNA1C	GPC06AK-A3NNA1A
Capillary Tube - No. Provided	1	1
Material	Copper	Copper
ID, mm	1.0	1.24
Wall Thickness, mm	0.65	0.58
Length, mm	400	750
Capillary Code No. (Not for field inspection use)	CT1	CT2

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A	GPC06AK-A3NNA2B, GPC06AK-A3NNA3B, GPC06AK-A3NNA1C
Capillary Tube - No. Provided	1	1
Material	Copper	Copper
ID, mm	1.24	1.24
Wall Thickness, mm	0.58	0.58
Length, mm	750	900
Capillary Code No. (Not for field inspection use)	CT3	CT4

40-40 Refrigeration System Joints

Model	All
Method of Joining	Brazed

50 - MOTOR - COMPRESSOR ASSEMBLY:

50-5 Compressor Recognized (SLIS2)

Model	GPC08AK-A3NNA1A, GPC08AK-A3NNA2A
Method of Joining	Brazing
Listee's Name	ZHUHAI LANDA COMPRESSOR CO LTD
Designation	QXA-A058xL130B
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	5.0
LRA	26
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (16 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	Changzhou Changrong Electrical Appliance Co., Ltd. (E237353)
Designation	HPA-322
Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, 8)

Model	GPC08AK-A3NNA1A, GPC08AK-A3NNA2A
Employed with Compressor	QXA-A058xL130B
Type	Oil filled
Listee's Name	See Section General
Designation	See Section General
Rating, uF, V	40, min. 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	See Section General
Terminal Enclosure	None
Location	Inside of Compressor Running Capacitor Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 15.9 mm clearance
Retention	Fixed by metal strap and one screw

++ - No obstruction located in front of cover.

50-5 Compressor Recognized (SLIS2) (Cont'd)

Model	GPC06AK-A3NNA1A
Method of Joining	Brazing
Listee's Name	ZHUHAI LANDA COMPRESSOR CO LTD (SA10212)
Designation	QXA-A053xL130A
UL File No./Issued Date	SA44218/2008-04-18
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	5.0
LRA	26
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (16 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	Changzhou Changrong Electrical Appliance Co., Ltd. (E237353)
Designation	HPA-322
*Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, CN)

Model	GPC06AK-A3NNA1A
Employed with Compressor	QXA-A053xL130A
Type	Oil Filled
Listee's Name	Various
Designation	Various
Rating, uF, V min.	40, 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	Inherent
Terminal Enclosure	None
Location	Within Control Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 14.3 mm clearance
Retention	Tab and metal strap

++ - No obstruction located in front of cover.

50-5 Compressor Recognized (SLIS2) (Cont'd)

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A
Method of Joining	Brazing
Listee's Name	ZHUHAI LANDA COMPRESSOR CO LTD (SA10212)
Designation	QXA-A081xL130C
UL File No./Issued Date	SA44218/2008-04-18
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	8.0
LRA	41
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (14 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	Ubukata Industries Co., Ltd. (E85460)
Designation	UP3QE03XX-T46
Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, CN)

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A
Employed with Compressor	QXA-A081xL130C
Type	Oil Filled
Listee's Name	Various
Designation	Various
Rating, uF, V min.	50, 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	Inherent
Terminal Enclosure	None
Location	Within Control Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 14.3 mm clearance
Retention	Tab and metal strap

++ - No obstruction located in front of cover.

50-5 Compressor Recognized (SLIS2)

Model	GPC05AK-A3NNA2B, GPC05AK-A3NNA1C
Method of Joining	Brazing
Listee's Name	ZHUHAI LANDA COMPRESSOR CO LTD (SA10212)
Designation	QXA-A069xL130A
UL File No./Issued Date (for reference only)	SA44218/2008-04-18
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	6.2
LRA	29
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (16 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	Ubukata Industries Co.,Ltd.(E85460)
UP30E05XX-T56	UP30E05XX-T56
Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, 8)

Model	GPC05AK-A3NNA2B, GPC05AK-A3NNA1C
Employed with Compressor	QXA-A069xL130A
Type	Oil filled
Listee's Name	See Section General
Designation	See Section General
Rating, uF, V	50, min. 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	See Section General
Terminal Enclosure	None
Location	Inside of Compressor Running Capacitor Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 14.3 mm clearance
Retention	Fixed by metal strap and one screw

++ - No obstruction located in front of cover.

50-5 Compressor Recognized (SLIS2) (Cont'd)

Model	GPC06AK-A3NNA2B, GPC06AK-A3NNA3B
Method of Joining	Brazing
Listee's Name	ZHUHAI LANDA COMPRESSOR CO LTD (SA10212)
Designation	QXA-A083xL130C
UL File No./Issued Date	SA44218/2008-04-18
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	8.0
LRA	41
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (14 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	Ubukata Industries Co., Ltd. (E85460)
Designation	UP3QE03XX-T46
Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, CN)

Model	GPC06AK-A3NNA2B, GPC06AK-A3NNA3B
Employed with Compressor	QXA-A083xL130C
Type	Oil Filled
Listee's Name	Various
Designation	Various
Rating, uF, V min.	50, 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	Inherent
Terminal Enclosure	None
Location	Within Control Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 14.3 mm clearance
Retention	Tab and metal strap

++ - No obstruction located in front of cover.

50-5 Compressor Recognized (SLIS2) (Cont'd)

Model	GPC06AK-A3NNA1C
Method of Joining	Brazing
Listee's Name	XIAN QINGAN REFRIGERATION EQUIPMENT CO LTD
Designation	YZG-A082AFY2D2
UL File No./Issued Date	SA32170/2017-11-23
Electrical Rating	
Volts	115
RLA (Not for Field Representative Use)	7.4
LRA	35
Phase	1
Cycle	60
Thermal Protection Marking	Thermally Protected
Bonding for Grounding (Method)	By a dedicated bonding wire (14 AWG) to control enclosure

50-10 Overload Protector (+) - Internal

Listee's Name	ChangZhou ChangRong Electrical APPLIANCE CO LTD (E237353)
Designation	HPA-632
Location	Inside Compressor Shell

(+) - Part of Recognized motor-compressor assembly. Protector may be provided by motor-compressor manufacturer or be obtained from the manufacturer.

50-25 Running Capacitor - Recognized (CYWT2, CN)

Model	GPC06AK-A3NNA1C
Employed with Compressor	YZG-A082AFY2D2
Type	Oil Filled
Listee's Name	Various
Designation	Various
Rating, uF, V min.	50, 250
Minimum AFC Rating	5000
Container Material	Aluminum or Steel
Corrosion Protection	Inherent
Terminal Enclosure	None
Location	Within Control Enclosure
Terminal Orientation	Horizontal
Mounting ++	Minimum 14.3 mm clearance
Retention	Tab and metal strap

++ - No obstruction located in front of cover.

60 - FAN MOTOR ASSEMBLY:

60-5 Fan Motor - Recognized (XEWR2)

Model	GPC08AK-A3NNA1A, GPC06AK-A3NNA1A, GPC08AK-A3NNA2A
Use	Coaxial Fan Motor
Listee's Name	ZHUHAI KAIBANG MOTOR MFG CO LTD (E257969)
Model No.	YD45X-1
Recognized Designation	YY040-954P02-001
UL File No./Report Issued Date (for reference only)	E470671/2012-07-12
Rating (V, W, A)	115, 40, 0.86
Overheating Protection (Not for UL Representative's Use)	
Type	Thermally protected
Listee's Name	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD (E214731)
Recognized Designation	BR-A
Ventilation Openings	None (Enclosed Type)
Mounting	By screws
Bonding for Grounding (Method)	By a dedicated bonding wire (20 AWG) to control enclosure

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A, GPC06AK-A3NNA2B, GPC05AK-A3NNA2B, GPC06AK-A3NNA3B, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C
Use	Coaxial Fan Motor
Listee's Name	ZHUHAI CITY TONGDE ELECTRIC EQUIPMENT CO LTD (E345714)
Model No.	YD50A-L
Recognized Designation	YSK50-4L
UL File No./Report Issued Date (for reference only)	E345714/2013-03-13
Rating (V, W, A)	115, 50, 0.81
Overheating Protection (Not for UL Representative's Use)	
Type	Thermally protected
Listee's Name	JIANGSU CHANGSHENG ELECTRIC APPLIANCE CO LTD (E214731)
Recognized Designation	BR-A
Ventilation Openings	None (Enclosed Type)
Mounting	By screws
Bonding for Grounding (Method)	By a dedicated bonding wire (20 AWG) to control enclosure

60-5 Fan Motor - Recognized (XEWR2) (CONT'D)

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A, GPC06AK-A3NNA2B, GPC05AK-A3NNA2B, GPC06AK-A3NNA3B, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C
Use	Coaxial Fan Motor
Listee's Name	ZHUHAI KAIBANG MOTOR MFG CO LTD (E257969)
Model No.	YD50A-L
Recognized Designation	YY050-954P02-901
UL File No./Report Issued Date (for reference only)	E470671/2013-08-08
Rating (V, W, A)	115, 50, 1.2
Overheating Protection (Not for UL Representative's Use)	
Type	Thermally protected
Listee's Name	CHANGZHOU CHANGHONG TONGLI ELECTRICAL APPLIANCE CO LTD (E309547)
Recognized Designation	KW-A1
Ventilation Openings	None (Enclosed Type)
Mounting	By screws
Bonding for Grounding (Method)	By a dedicated bonding wire (20 AWG) to control enclosure

60-10 Fan Motor Capacitor - Recognized (CYWT2) Dual Type, See 50-25

Model	GPC08AK-A3NNA1A, GPC06AK-A3NNA1A, GPC10AK-A3NNA1A, GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B, GPC06AK-A3NNA1C
Employed with Fan Motor	YY040-954P02-001, YSK50-4L, YY050- 954P02-901
Type	Dry
Listee's Name	See Section General
Designation	See Section General
Rating, uF, V	10, min. 250
Container Material	Polymeric
Corrosion Protection	See Section General
Terminal Enclosure	None
Location	Inside Control Enclosure
Mounting	By screws

60-20 Water Motor - Recognized (XEIT2, 8)

Model	All
Use	Splash condensing water to condenser by impeller
Listee's Name	Zhuhai Kaibang Motor Mfg Co Ltd (E314091)
Recognized Designation	YJF61/16-1 (SN03V)
Rating (V, W, Hz)	115, 0.67, 60
Overheating Protection (Not for UL Representative's Use)	
Type	Impedance protected
Ventilation Openings	None
Mounting	Secured to base pan by screws
Bonding for Grounding (Method)	Through bonding wire to control enclosure.
Special Comments	The motor's encapsulant wrapped by plastic enclosure

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's Name	ZHUHAI KAIBANG MOTOR MFG CO LTD (E314091)
Recognized Designation	YJF61/16-6 (SN03K by manufacturer)
UL File No./Report Issued Date (for reference only)	E470672/2015-04-23
Rating (V, W, Hz)	115, 0.32, 60
Overheating Protection (Not for UL Representative's Use)	
Ventilation Openings	Impedance protected
Mounting	None
Bonding for Grounding (Method)	Secured to base pan by screws Through bonding wire to control enclosure.
Special Comments	The winding part is totally enclosed by the motor's encapsulation
Encapsulation (Not for Field Representative Use)	FOSHAN SHUNDE LI CHANG HARDWARE ELECTRONIC COMPOSITE MATERIAL CO LTD (E347031), LC900, Minimum Thickness 1.5 mm, 5VA

70 - ELECTRICAL COMPONENTS:

Model	All	GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC05AK- A3NNA2B, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B	GPC05AK-A3NNA1C, GPC06AK-A3NNA1C
Controller Model	M701F1Q	M701F1R (#)	M701F1BCJ (\$)
*Class 2 Power Supply	Within the main board (See Item 110 for details)		
High Voltage Circuit Board (Main PWB)			
Manufacturer	GREE Electric Appliances Inc. of Zhuhai		
Populated Components:			
Printed Wiring Board	R/C (ZPMV2), Rated V-2, 105°C, suitable for direct support Current-Carrying Parts.		
Compressor and Water Motor Relay	R/C (NLDX2, 8), XIAMEN HONGFA ELECTROACOUSTIC CO LTD (EE134517), Type JQX-102F, 1 hp, 120 V ac, 100K cycles Or (NLDX2, 8), Omron Corp. (E41643), Type G4A-1A-E, Rated 1-1/2 hp, 120 Vac, 100K cycles. Or (NLDX2, 8), Dongguan Sanyou Electrical Appliances Co., Ltd. (E190598), Type SFK-112DM, Rated 1 HP, 120 V ac, 100K cycles. Or (NLDX2, 8), DONGGUAN CHUROD ELECTRONICS CO LTD (E341422), Type CHF-V-112DA2, Rated 240V ac, 2 Hp, 100K cycles Or (NLDX2, 8), Song Chuan Precision Co., Ltd. (E88991), Type 891WP-1A-C, Rated 18 FLA, 98 LRA, 240Vac, 30K cycles. Or (NLDX2, 8), Tyco Electronics (Shenzhen) CO. Ltd. (E58304), Type EF00-1A2-D012-F, Rated 20A FLA/70A LRA, 240Vac, 50K cycles.		

- Controller model M701F1R is similar to model M701F1Q except for low voltage operating control circuit (no safety function). PCB layout was not changed.

(\$) - Temperature Controller (Main PWB) M701F1BCJ is similar to M701F1Q except for software.

70 - ELECTRICAL COMPONENTS: (CONT'D)

(Table Cont'D)

*Model	All	GPC08AK-A3NNA2A, GPC10AK-A3NNA2A, GPC05AK- A3NNA2B, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B	GPC05AK-A3NNA1C, GPC06AK-A3NNA1C
Controller Model	M701F1Q	M701F1R (#)	M701F1BCJ (\$)
Fan Motor Relay	R/C (NLDX2, 8), Xiamen Hongfa Electroacoustic Co., Ltd. (E134517), Type JZC-32F, Rated 1/6 HP, 250 V ac, 100K cycles. Or (NLDX2, 8), Dongguan Sanyou Electrical Appliances Co. Ltd (E190598), Type SJ-S-112DM, Rated 1/3 Hp, 240 V ac, 30k cycles. Or R/C (NLDX2, 8), DONGGUAN CHUROD ELECTRONICS CO LTD (E341422), Type A1-S-112DA, Rated 125/250/277 V ac, 1/6 HP, 100K cycles; Or (NLDX2, 8), SONG CHUAN PRECISION CO., LTD. (E88991), Type 307-1AH-C, Rated 1/4 HP, 250 V ac, 30K Cycles. Or (NRNT2, 8), Tyco electronics (Shenzhen) co. Ltd (E82292), Type OJE-SS-112DM, Rated 1/10 HP, 120 V ac, 100K cycles; 1/6 HP, 240 V ac, 100K cycles; 10 LRA/1.5 FLA, 120 V ac, 100K cycles.		
Low Voltage Display Board			
Printed Wiring Board	R/C (ZPMV2)		

- Controller model M701F1R is similar to model M701F1Q except for low voltage operating control circuit (no safety function). PCB layout was not changed.

(\$ - Temperature Controller (Main PWB) M701F1BCJ is similar to M701F1Q except for software.

80 - INTERNAL WIRING:

80-5 Types

Recognized (AVLV2, CN) appliance wiring material(1), Listed cords or Listed insulated wiring as described below. Wiring which is color-coded green or green with one or more yellow stripes is employed on grounding conductors only.

Unless specified otherwise, all wiring rate VW-1 or FT-1 (for CUL only).

Model - All

Key No.	Wire Type (2)	Wire Style No. (3)	Minimum Wire Size AWG	Insulation (4)		
				Minimum Wall Thickness, mm	Minimum Temperature Rating, °C	Minimum Rating, V
1)	AWM	1015	20	0.76	105	600
2	AWM	1015	16	0.76	105	600
3	AWM	1015	18	0.76	105	600
4	AWM	1015	14	0.76	105	600
5	AWM	3173	14	0.76	125	600

(1) - Acceptable for refrigeration use.

(2) - Appliance wiring material, cord type or Listed wire type.

(3) - Applies only to Recognized appliance wiring material.

(4) - Information on the voltage and temperature ratings for the insulation of wiring that has a marked National Electrical Code Type designation need not be provided.

80-10 Wiring Methods

Model - GPC08AK-A3NNA1A, GPC08AK-A3NNA2A, GPC05AK-A3NNA2B, **GPC05AK-A3NNA1C**

Wiring is employed as follows:

No. From Previous Page	Specify the electrical components connected to the wiring described		Specify all details of wire routing including locations and types of clamps, means of isolating from combustible materials, Recognized splice and wire connecting lead terminations, etc.
Key No.	From	To	Details
1	Fan Motor	Capacitor	Wiring covered with braid or Recognized (YDPU2) PVC insulated tubing and tied by Cable Tie. Wiring routed to avoid contacting any heating element and uninsulated live parts. Wiring is spaced away from sharp edge and terminated in Quick Connect Terminal (RFWV 2, 8) or cluster receptacle (ECBT2, 8).
1	Fan Motor	Main PWB	
1	Water Motor	Main PWB	
2	Compressor	Compressor Capacitor	
2	Compressor	Main PWB	
2	Compressor Capacitor	Compressor Relay	

Model - GPC06AK-A3NNA1A

Wiring is employed as follows:

No. From Previous Page	Specify the electrical components connected to the wiring described		Specify all details of wire routing including locations and types of clamps, means of isolating from combustible materials, Recognized splice and wire connecting lead terminations, etc.
Key No.	From	To	Details
1	Fan Motor	Capacitor	Wiring covered with braid or Recognized (YDPU2) PVC insulated tubing and tied by Cable Tie. Wiring routed to avoid contacting any heating element and uninsulated live parts. Wiring is spaced away from sharp edge and terminated in Quick Connect Terminal (RFWV 2, 8) or cluster receptacle (ECBT2, 8).
1	Fan Motor	Main PWB	
1	Water Motor	Main PWB	
3	Compressor	Compressor Capacitor	
3	Compressor	Main PWB	
3	Compressor Capacitor	Compressor Relay	

80-10 Wiring Methods

Model - GPC10AK-A3NNA1A, GPC10AK-A3NNA2A, GPC06AK-A3NNA2B, GPC06AK-A3NNA3B,
GPC06AK-A3NNA1C

Wiring is employed as follows:

No. From Previous Page	Specify the electrical components connected to the wiring described		Specify all details of wire routing including locations and types of clamps, means of isolating from combustible materials, Recognized splice and wire connecting lead terminations, etc.
Key No.	From	To	Details
1	Fan Motor	Capacitor	Wiring covered with braid or Recognized (YDPU2) PVC insulated tubing and tied by Cable Tie. Wiring routed to avoid contacting any heating element and uninsulated live parts. Wiring is spaced away from sharp edge and terminated in Quick Connect Terminal (RFWV 2, 8) or cluster receptacle (ECBT2, 8).
1	Fan Motor	Main PWB	
1	Water Motor	Main PWB	
4 or 5	Compressor	Compressor Capacitor	
4 or 5	Compressor	Main PWB	
4 or 5	Compressor Capacitor	Compressor Relay	

90 - SUPPLY CONNECTIONS:

90-5 Cord Connected Unit

Model	GPC08AK-A3NNA1A, GPC08AK-A3NNA2A, GPC05AK-A3NNA2B, GPC05AK-A3NNA1C		
Power Supply Cord Set	R/C ELGN2		
Manufacturer	SHANGHAI ELE MFG CORP (E250451)		
Type	0651513LY		
Comment	Note: The LCDI enclosure shall be constructed of a 5V material.		
Size, AWG	16 AWG, 3 conductor		
Style No.	JLL301-16		
Attachment Plug Cap Rating, V, A	125, 15		
Power Supply Cord Set Rating, V, A	120, 13		
Strain Relief Means	By strain relief clamp fixed to Condenser Fan Shroud. Refer to ILL. 18 for details		
Cord Length, ft	6	Minimum	10 Maximum
Grounding Conductor Color	Green With or Without One or More Yellow Stripes		
Securement of Grounding Conductor			
Location	Control Enclosure		
Means	Mechanical screw with star washer		
Comments (Not for UL Representative's Use)	<p>The LCDI enclosure shall be constructed of a 5V material.</p> <p>One additional shrinkable tubing (YDPU2) used to fully enclose the spilt point of power supply cord. The extension length from the spilt point to front/rear direction should be at least 6.4 mm.</p>		

90-5 Cord Connected Unit (Cont'd)

Model	GPC06AK-A3NNA1A
Power Supply Cord Set with LCDI	Recognized ELGN2
Listee's Name	SHANGHAI ELE MFG CORP
UL File No./Issued Date	E250451/2007-08-17
Recognized Designation	0651510LY
Size, AWG	18 x 3
Style No.	JLL301-18
Attachment Plug Cap Rating, V, A (Not for UL Representative's Use)	125, 15
Power Supply Cord Set Rating, V, A	120, 10
Strain Relief Means	By strain relief clamp fixed to Condenser Fan Shroud. Refer to ILL. 18A for details
Cord Length, ft	6 Minimum 10 Maximum
Grounding Conductor Color	Green With or Without One or More Yellow Stripes
Securement of Grounding Conductor Location	Control Enclosure
Means	Mechanical screw with star washer
Comments (Not for UL Representative's Use)	The LCDI enclosure shall be constructed of a 5V material. One additional shrinkable tubing (YDPU2) used to fully enclose the spilt point of power supply cord. The extension length from the spilt point to front/rear direction should be at least 6.4 mm.

90-5 Cord Connected Unit (Cont'd)

Model	GPC10AK-A3NNA1A, GPC10AK-A3NNA2A, GPC06AK-A3NNA2B, GPC05AK-A3NNA2B, GPC06AK-A3NNA3B, GPC05AK-A3NNA1C, GPC06AK-A3NNA1C		
Power Supply Cord Set with LCDI	Recognized ELGN2		
Listee's Name	SHANGHAI ELE MFG CORP		
UL File No./Issued Date	E250451/2007-08-17		
Recognized Designation	0651515LY		
Size, AWG	14 x 3		
Style No.	JLL301		
Attachment Plug Cap Rating, V, A (Not for UL Representative's Use)	125, 15		
Power Supply Cord Set Rating, V, A	120, 15		
Strain Relief Means	By strain relief clamp fixed to Condenser Fan Shroud. Refer to ILL. 18 for details		
Cord Length, ft	4	Minimum	10 Maximum
Grounding Conductor Color	Green With or Without One or More Yellow Stripes		
Securement of Grounding Conductor			
Location	Control Enclosure		
Means	Mechanical screw with star washer		
Comments (Not for UL Representative's Use)	The LCDI enclosure shall be constructed of a 5V material. One additional shrinkable tubing (YDPU2) used to fully enclose the spilt point of power supply cord. The extension length from the spilt point to front/rear direction should be at least 6.4 mm.		

COMPONENT ACCEPTANCE PROGRAM

110 SWITCH MODE POWER SUPPLY PWB

*CLASS 2 POWER SUPPLY, INCORPORATED, MODEL M701F1Q, M701F1R **OR M701F1BCJ**

110-1 RATING

Model	Input			Output	
	Vac	Hz	mA	Vdc	mA
M701F1Q, M701F1R, M701F1BCJ	120	60	820	12	650

110-10 PRINTED WIRING BOARD (PWB)

Model	M701F1Q, M701F1R, M701F1BCJ	
Material	Polymeric, see Sec. 30 for details	
R/C CCN	ZPMV2	
Physical Size, L x W (mm)	148 x 112	
Flammability rating	V-0	
Temperature rating	105°C min.	
Material Thickness, (mm)	1.5	
Circuit Schematic	See ILL. 15 for details	See ILL. 15A for details
components and trace layout	See ILL. 16 for details	See ILL. 16A for details
Main PWB Model (Not populated components)	GRJ701-A5 (Version 1.4)	GRJ701-A5 (Version 2.3)
comment	Suitable for direct support of uninsulated live parts	
Marking	Paint-stenciled on PWB	

110-15 CURRENT FUSE

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	JDYX2/8
Listee's name	HOLLYLAND CO LTD (E156471)
Model name	50CT
Rating	3.15 A, 250 Vac
Part name on PWB	FUSE1

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	WALTER ELECTRONIC CO LTD (E56092)
Model name	TSC

Listee's name	DONGGUAN BETTER ELECTRONICS TECHNOLOGY CO LTD (E300003)
Type	524

110-20 NTC

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	XGPU2/8
Listee's name	THINKING ELECTRONIC INDUSTRIAL CO LTD (E138827)
Model name	Type SCK-055
Rating	240 V, 5 A
Part name on PWB	RT1
Comment	Secured on PWB by soldering

110-30 SPD

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	VZCA2/8
Listee's name	CHENGDU TIEDA ELECTRONIC CO LTD (E334320)
Model name	MYN15-621KM
Rating	385 Vac
Part name on PWB	RV201

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH (E325462)
Model name	FNR-14K621

110-35 ACROSS-THE-LINE CAPACITOR

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	FOWX2/8
Listee's name	XIAMEN FARATRONIC CO LTD (E186600)
Model name	MKP62
Rating	0.1 μ F, 275 Vac, 110°C
Part name on PWB	C19, C212

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	ANHUI XINYANG ELECTRONICS CO LTD (E351243)
Model name	MKP

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	OKAYA ELECTRIC INDUSTRIES CO LTD (E47474)
Model name	LE104

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	FOSHAN CITY XINYUAN ELECTRONIC CO LTD (E318581)
Model name	MKP-X2
Rating	0.1 μ F, 275 V ac, 105°C

Listee's name	YANGZHOU NISSEI ELECTRONICS CO LTD (E351313)
Model name	MP1
Rating	0.1 μF, 275 Vac, 110°C

110-40 BLEEDER RESISTOR

Model	M701F1Q, M701F1R, M701F1BCJ
Rating	1 M ohm, 0.5 W
Part name on PWB	R10

110-45 FIXED CAPACITOR

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	FOWX2
Listee's name	DONGGUAN OKAYA ELECTRIC CO LTD
Model name	SE1201
Rating	0.1 μ F, 120 ohm, 275V
Part name on PWB	RC201, RC202

110-50 LINE CHOKE (L1)

Model	M701F1Q, M701F1R, M701F1BCJ
A Core	
Material	Ferrite
Core dimension	u-u type, 20 x 14 x 4.5 mm
B Winding	
Material	Enameled Copper Wire
Winding diameter	0.27 mm
Turns	100
Comment	Wounded over bobbin
C Bobbin	
Material	PBT
R/C CCN	QMFZ2
Rating	V-0, 75°C, CTI=2
Min. thickness	0.45 mm
Overall dimension (LxDxH)	15.5 x 13.7 x 13.7
D Bobbin Holder	
Material	PMC
R/C CCN	QMFZ2
Rating	V-0, 150°C
Min. thickness	0.5 mm

Alternate -

Model	M701F1Q, M701F1R, M701F1BCJ
Type	LB0522
Manufacturer	Qingdao Yunlu Energy Technology Co., Ltd.
Consisted of the following - Not for Field Representative Use:	
Bobbin	R/C (QMFZ2), CHANG CHUN PLASTICS CO LTD (E59481), PBT Material, Type 4130, rated V-0, 120°C, HWI - 4, HAI - 0, CTI - 2, min. 0.9 mm thickness. Maintain min. 2.4 mm spacing between L and N windings
Bobbin Holder	R/C (QMFZ2), CHANG CHUN PLASTICS CO LTD (E59481), PMC, type T375J, rated V-0, 150°C, min. 0.45 mm thickness
Windings	R/C (OBMW2), Two provided. Enameled copper wire, each measures 0.3 mm diameter, 86 turns.

110-50 LINE CHOKE (L1) - CONT'D

Alternate -

Model	M701F1Q, M701F1R, M701F1BCJ
Type	SF2022A-05220
Manufacturer	SHENZHEN YAMAXI ELECTRONICS CO LTD
Consisted of the following - Not for Field Representative Use:	
Bobbin	R/C (QMFZ2), CHANG CHUN PLASTICS CO LTD (E59481), PMC, type T375J, rated V-0, 150°C, CTI - 3, HWI -1, HAI - 0, min. 0.84 mm thickness. Maintain min. 2.4 mm spacing between L and N windings
Bobbin Holder	R/C (QMFZ2), CHANG CHUN PLASTICS CO LTD (E59481), PMC, type T375J, rated V-0, 150°C, min. 0.45 mm thickness
Windings	R/C (OBMW2), Two provided. Enameled copper wire, each measures 0.27 mm diameter, 100 turns

110-55 ANTENNA-COUPPLING CAPACITORS (Y-CAPACITOR)

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	FOWX2, 8 or CSA certificated
Listee's name	TDK-EPC CORPORATION (E37861)
Model name	CD222M
Rating	2.2 nF, 250 Vac, 125°C
Part name on PWB	C23, C9

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	MURATA MFG CO LTD (E37921)
Model name	KX

ALTERNATIVE - SAME AS ABOVE EXCEPT

LISTEE'S NAME	TDK CORPORATION (E37861)
MODEL NAME	CD472 or CD472M
RATING	4.7 nF, 250 VAC, 125°C

ALTERNATIVE - SAME AS ABOVE EXCEPT

LISTEE'S NAME	HAOHUA ELECTRONIC CO (E233106)
MODEL NAME	CT7
RATING	4.7 nF, 250 VAC, 125°C

ALTERNATIVE - SAME AS ABOVE EXCEPT

LISTEE'S NAME	MURATA MFG CO LTD (E37921)
MODEL NAME	KX472 or KX472M
RATING	4.7 nF, 250 VAC, 125°C

LISTEE'S NAME	ZHAOQING INFORMED ELECTRONICS FACTORY CO LTD (E499664)
MODEL NAME	CD472M
RATING	4.7 nF, 400 V ac, 125°C

LISTEE'S NAME	XIAMEN WANMING ELECTRONICS CO LTD (E221839)
MODEL NAME	HJ472M
RATING	4.7 nF, 400 V ac, 125°C

110-60 OPTICAL ISOLATOR

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	FPQU2, CSA Certified
Listee's name	Sharp Corp Electronic Components and Devices Group (E64380)
Model name	PC817
isolation voltage	5000 V
Part name on PWB	U14

ALTERNATIVE - SAME AS ABOVE EXCEPT

Listee's name	AVAGO TECHNOLOGIES PTE LTD(E55361)
Model name	HCPL-817

110-65 bridge rectifier diode

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	QQQX2
Listee's name	Various
Model name	Various
Rating	1.5 A, 600 V
Part name on PWB	Z1

Alternate - Same as above except the following:

Model	M701F1Q, M701F1R, M701F1BCJ
R/C	QQIJ2, 8
Listee's name	SHINDENGEN HK CO LTD (E490257)
Type	S1NBC80 (NC 80)
Rating	1.5 A, 800 V

110-70 Voltage regulator

Model	M701F1Q, M701F1R, M701F1BCJ
Model name	MC7805CTG(1A)
Manufacturer	Fairchild
Part name on PWB	V172

110-75 Integrated Circuit

Model	M701F1Q, M701F1R, M701F1BCJ
Model name	TNY277PN
Manufacturer	POWER INTEGRATION, INC
Part name on PWB	U1

110-80 Electrolytic Capacitors

Model	M701F1Q, M701F1R, M701F1BCJ
Part name on PWB / Rating	C20 / 22 μ F, 450 V, 105°C
Part name on PWB / Rating	C21 / 470 μ F, 25 V, 105°C
Part name on PWB / Rating	C173 / 470 μ F, 25 V, 105°C
Part name on PWB / Rating	C175 / 470 μ F, 25 V, 105°C
Part name on PWB / Rating	C24 / 10 μ F, 50 V, 105°C

110-85 Resistor

Model	M701F1Q, M701F1R, M701F1BCJ
Part name on PWB / Rating	R7 / 130 Kohm, 3 W

110-90 Diodes

Model	M701F1Q, M701F1R, M701F1BCJ
Part name on PWB / Rating	D1 / 1 A, 200 V
Part name on PWB / Rating	D5 / 1 A, 800 V
Part name on PWB / Rating	D14 / 4 A, 200 V

110-95 Inductor

Model	M701F1Q, M701F1R, M701F1BCJ
Part name on PWB / Rating	L2 / 10 μ H
A Core	
Material	Ferrite
Core dimension	3 mm diameter, 7.5 mm high
B Winding	
Material	Enameled Copper Wire
Winding diameter	0.45 mm
Turns	18.5
Comments	Overall sleeved by Shrinkable Tubing, R/C (YDPU2/8), rated 300 V, 125°C, VW-1

110-100 Quick connect terminals

Model	M701F1Q, M701F1R, M701F1BCJ
R/C CCN	Various
Model name	Various
Comment	Quick connect terminal shall be Listed with integral detent or locking type, suitable for the type, size and number of conductors and applied using the tool recommended by the connector manufacturer.

110-110 Transformer

Model	M701F1Q, M701F1R, M701F1BCJ
Model name (Cat. No.)	EE19-8P
Type of construction	Open
Part name on PWB	T1
A Core	
Material	Ferrite
Construction	E-E construction
Core dimension (LXDXH)	19.4 mm x 21.4 mm x 4.9 mm
B Primary Winding (N5, N3, N2, N1)	
R/C CCN	OBMW2
Material	Magnet copper wire
Rating	130 °C
Winding diameter/ Turns	See ILL. 17
C Triple Insulated Wire (N4)	
R/C CCN	OBJT2
Listee's name	Shenzhen Darun Science And Technology Co Ltd (E335841)
Model name	DRTIW-B
Rating	130 °C
Winding diameter/ Turns	See ILL. 17
Alternative - Same as above except below	
Listee's name	Dah Jin Technology Co., Ltd.(E236542)
Model name	TLW-B
D Bobbin	
R/C CCN	QMFZ2
Listee's name	CHANG CHUN PLASTICS CO LTD (E59481)
Model name	T375J
Material	Phenolic Molding Compound
Color	Black or brown
Rating/Temperature rating	V-0/150°C
Min. thickness	0.80 mm
E. Insulation tape in winding	
R/C CCN	OANZ2
Listee's name	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD (E165111)
Model name	CT-280
Rating	130°C
Material	Polyethylene terephthalate film insulating tapes
Min. thickness	0.06
F. Primary Crossover Lead Insulation	
Material	Same as item E
Layer	1
G. Tubing	
R/C CCN	YDPU2
Listee's Name	Changyuan Electronics (Shenzhen) Co Ltd (E180908)
Model Name	CB-TT-L
Rating	150V, 200 C

110-110 Transformer (CONT'D Table)

Model	M701F1Q, M701F1R, M701F1BCJ		
Model name (Cat. No.)	EE19-8P		
H. Insultions of transformer			
Location	No. of Layers	Material	Total Thickness (mm)
N5 outer-wrap	2	Insulating Tape	0.12
N4 to N5	2	Insulating Tape	0.12
N3 to N4	2	Insulating Tape	0.12
N2 to N3	2	Insulating Tape	0.12
N1 to N2	2	Insulating Tape	0.12
N1 to Core	1	Insulating Tape	0.06
	-	Bobbin	0.9
Each lead out of primary and secondary windings is covered by tubing, R/C (YDPU2), rated minimum 150 V, 200°C.			

110-110 Transformer - Alternate

<p>Model designation of Main PWB</p>	<p>M701F1Q, M701F1R, M701F1BCJ</p>																															
<p>Transformer (T1)</p>	<p>Type EE19-08PA, manufactured by GREE XIN YUAN ELECTRONIC CO LTD (SHENZHEN JINGQUANHUA ELECTRONICS CO LTD). See ILL. 17A for details. Consisted of the following - Not for Field Representative's Use:</p> <p>A. Core - Ferrite, E-E type, measured 19.1 by 19.0 by 4.5 mm. Outer wrapped by two layers of Insulation Tape.</p> <p>B. Primary Windings (P1, P2, P3) - R/C (OBM2), magnet copper wire, rated 130°C, layer wound.</p> <p>C. Primary Windings (P5) - R/C (OBJT2), Triple Insulated Wire, FURUKAWA ELECTRIC CO LTD (E206440), Type TEX-E, Rated 130°C; Or R/C (OBJT2), Triple Insulated Wire, KBI COSMOLINK CO., LTD. (E213764), Type TIW-M, Rated 130°C. Or R/C (OBJT2), Triple Insulated Wire, SHENZHEN JIUDING NEW MATERIAL CO LTD (E357999), Type DTFW-B, Rated 130°C.</p> <p>D. Secondary Windings (S4) - R/C (OBJT2), Triple Insulated Wire, FURUKAWA ELECTRIC CO LTD (E206440), Type TEX-E, Rated 130°C; Or R/C (OBJT2), Triple Insulated Wire, KBI COSMOLINK CO., LTD. (E213764), Type TIW-M, Rated 130°C. Or R/C (OBJT2), Triple Insulated Wire, SHENZHEN JIUDING NEW MATERIAL CO LTD (E357999), Type DTFW-B, Rated 130°C.</p> <p>E. Bobbin - R/C (QMFZ2), CHANG CHUN PLASTICS CO LTD (E59481), PMC, Type T375J, black or brown, Rated V-0, 150°C, min. 0.95 mm thick.</p> <p>F. Insulation Tape - R/C (OANZ2), JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD (E165111), Polyethylene terephthalate film insulating tapes, Type CT(*), Yellow Color Only, Rated 130°C, min. 0.06 mm thick.</p> <p>G. Transformer insulation provided as follows:</p> <table border="1" data-bbox="527 1129 1356 1354"> <thead> <tr> <th>Location</th> <th>Material</th> <th>Layers</th> <th>Total Thickness (mm)</th> </tr> </thead> <tbody> <tr> <td>P5 outer-wrap</td> <td>Insulation Tape</td> <td>2</td> <td>0.12</td> </tr> <tr> <td>S4 to P5</td> <td>Insulation Tape</td> <td>2</td> <td>0.12</td> </tr> <tr> <td>P3 to S4</td> <td>Insulation Tape</td> <td>2</td> <td>0.12</td> </tr> <tr> <td>P2 to P3</td> <td>Insulation Tape</td> <td>2</td> <td>0.12</td> </tr> <tr> <td>P1 to P2</td> <td>Insulation Tape</td> <td>2</td> <td>0.12</td> </tr> <tr> <td rowspan="2">P1 to Core</td> <td>Insulation Tape</td> <td>1</td> <td>0.06</td> </tr> <tr> <td>Bobbin</td> <td>-</td> <td>0.95</td> </tr> </tbody> </table>	Location	Material	Layers	Total Thickness (mm)	P5 outer-wrap	Insulation Tape	2	0.12	S4 to P5	Insulation Tape	2	0.12	P3 to S4	Insulation Tape	2	0.12	P2 to P3	Insulation Tape	2	0.12	P1 to P2	Insulation Tape	2	0.12	P1 to Core	Insulation Tape	1	0.06	Bobbin	-	0.95
Location	Material	Layers	Total Thickness (mm)																													
P5 outer-wrap	Insulation Tape	2	0.12																													
S4 to P5	Insulation Tape	2	0.12																													
P3 to S4	Insulation Tape	2	0.12																													
P2 to P3	Insulation Tape	2	0.12																													
P1 to P2	Insulation Tape	2	0.12																													
P1 to Core	Insulation Tape	1	0.06																													
	Bobbin	-	0.95																													

Figure Index

The following figures represent all models unless otherwise specified.

Fig.	Note
1	Front View
2	Rear View
3	Internal View, right side
4	Internal View, Control Enclosure
5	Top surface of Main control
6	Bottom Surface of main control

The following figures represent Model GPC06AK-A3NNA3B

FIG.	View
7	Front Side
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9	Left Side
10	Rear Side
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