

Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	200900255HZH-001	Original Issued: 16-Dec-2020	Revised: None
Standard(s)	Motor-Operated Massage And Exercise Machines [UL 1647:2015 Ed.6+R:28Jan2020]		
Applicant	NINGBO SHULI HEALTH TECHNOLOGY CO., LTD	Manufacturer	NINGBO SHULI HEALTH TECHNOLOGY CO., LTD
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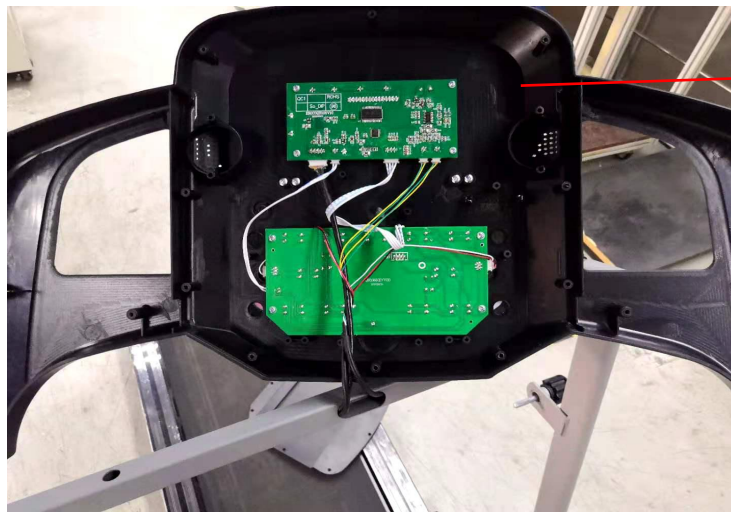
2.0 Product Description	
Product	Treadmill
Brand name	NA
Description	The products covered by the report are treadmills for household indoor use only. The products are provided with an attached flexible power supply cord which is terminated in a molded grounded plug.
Models	KBR-JK106, SKY3123, SKY4232, KBR-JK107, KBR-JK1603E, KBR-JK0805E, KBR-JK106-16, KBR-JK1603E-16, KBR-JK1602, KBR-JK1606, KBR-JK1607-1, KBR-JK1607-2, KBR-JK1607-3, KBR-JK1608, KBR-JK1609, SKY6209
Model Similarity	<p>KBR-JK106, SKY3123, SKY4232, KBR-JK107, KBR-JK1603E, KBR-JK0805E, KBR-JK106-16, KBR-JK1603E-16, KBR-JK1602 are series, they are same only except the control panel and/or different belt size. Belt size of KBR-JK106, SKY3123, SKY4232, KBR-JK107, KBR-JK1603E is approximately 1000mm*355mm, belt size of KBR-JK0805E is approximately 1050mm*360mm, belt size of KBR-JK1602 is approximately 1050mm*380mm, others are approximately 1100mm*380mm.</p> <p>KBR-JK1606, KBR-JK1607-1, KBR-JK1607-2, KBR-JK1607-3, KBR-JK1608, KBR-JK1609, SKY6209 are series, they are same only except the control panel. Belt size of all models are approximately 1050mm*380mm.</p> <p>KBR-JK106 series and KBR-JK1606 are similar except the rated power input and control panel and KBR-JK1606 series have blue-tooth function.</p> <p>KBR-JK106, SKY3123, SKY4232 are all same only except the model no. and the colour.</p> <p>KBR-JK1607-3, SKY6209 are all same only except the model no..</p>
Ratings	<p>120V~, 60Hz,</p> <p>800W for KBR-JK106, SKY3123, SKY4232, KBR-JK107, KBR-JK1603E, KBR-JK0805E, KBR-JK106-16, KBR-JK1603E-16, KBR-JK1602;</p> <p>1100W for KBR-JK1606, KBR-JK1607-1, KBR-JK1607-2, KBR-JK1607-3, KBR-JK1608, KBR-JK1609, SKY6209</p>
Other Ratings	NA

3.0 Product Photographs

Photo 1 - overall view of KBR-JK106,SKY3123, SKY4232



Photo 2 -control PCB view of KBR-JK106,SKY3123, SKY4232



3.0 Product Photographs

Photo 3 - overall view of KBR-JK107



Photo 4 - control PCB view of KBR-JK107



3.0 Product Photographs

Photo 5 - overall view of KBR-1603E



Photo 6 - control PCB view of KBR-1603E



3.0 Product Photographs

Photo 7 - overall view of KBR-JK0805E



Photo 8 - control PCB view of KBR-JK0805E



3.0 Product Photographs

Photo 9 - overall view of KBR-JK106-16



Photo 10 - control PCB view of KBR-JK106-16



3.0 Product Photographs

Photo 11 - overall view of KBR-1603E-16



Photo 12 - control PCB view of KBR-1603E-16



3.0 Product Photographs

Photo 13 - overall view of KBR-JK1602



Photo 14 - control PCB view of KBR-JK1602



3.0 Product Photographs

Photo 15 - overall view of KBR-JK1606



Photo 16 - control PCB view of KBR-JK1606



3.0 Product Photographs

Photo 17 - overall view of KBR-JK1607-1



Photo 18 - control PCB view of KBR-JK1607-1



3.0 Product Photographs

Photo 19 - overall view of KBR-JK1607-2



Photo 20 - control PCB view of KBR-JK1607-2

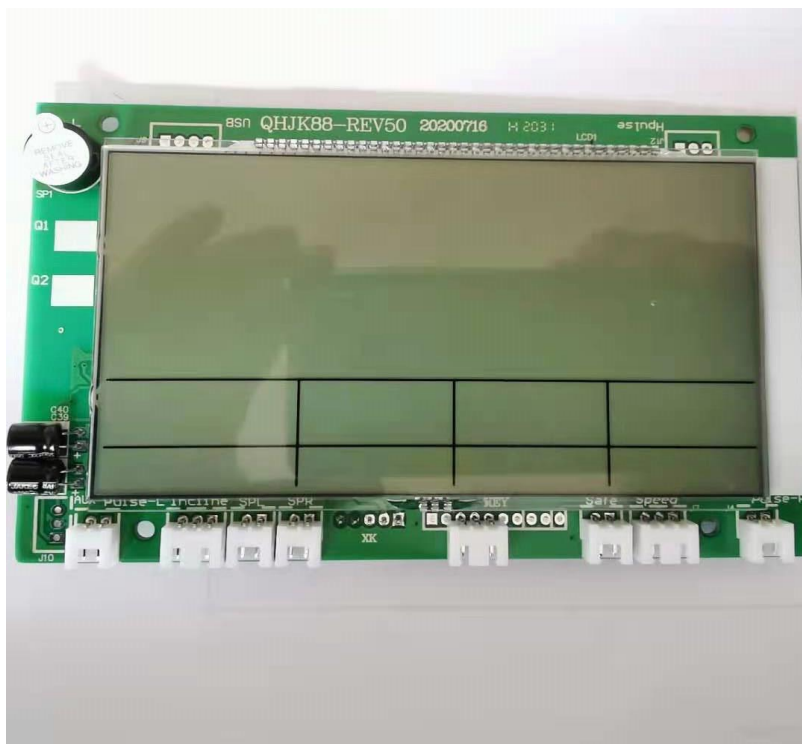


3.0 Product Photographs

Photo 21 - overall view of KBR-JK1607-3, SKY6209



Photo 22 - control PCB view of KBR-JK1607-3, SKY6209



3.0 Product Photographs

Photo 23 - overall view of KBR-JK1608



Photo 24 - control PCB view of KBR-JK1608



3.0 Product Photographs

Photo 25 - overall view of KBR-JK1608



Photo 26 - control PCB view of KBR-JK1609



3.0 Product Photographs

Photo 27 - overall view of all models

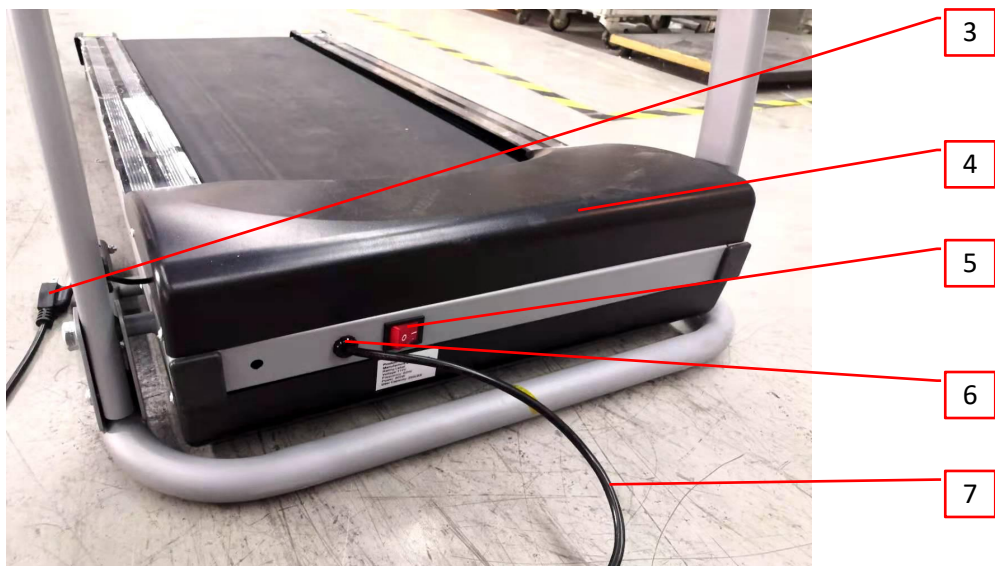
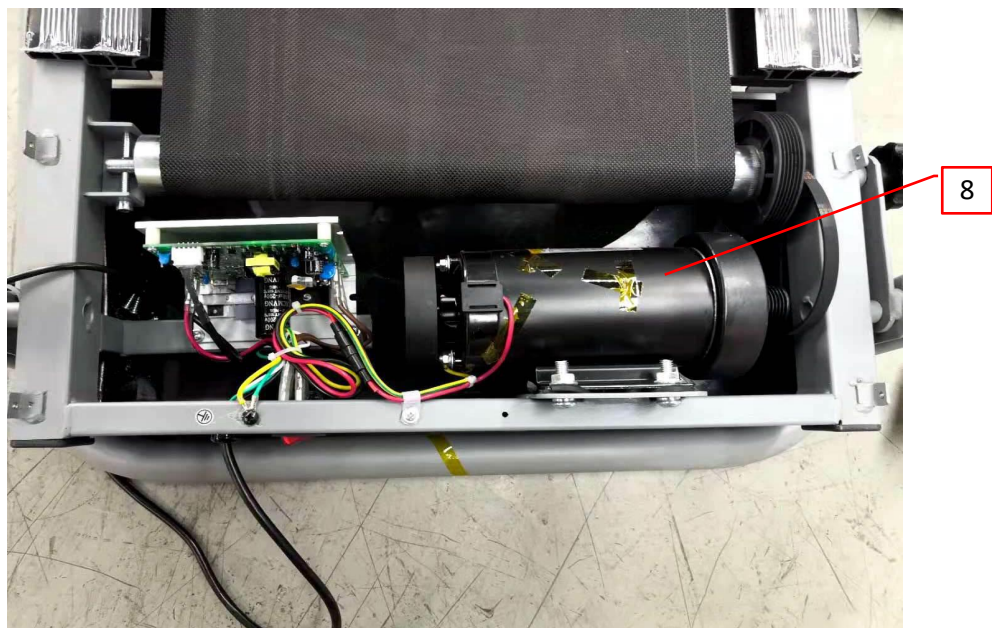


Photo 28 - internal view of all models



3.0 Product Photographs

Photo 29 - internal view of all models

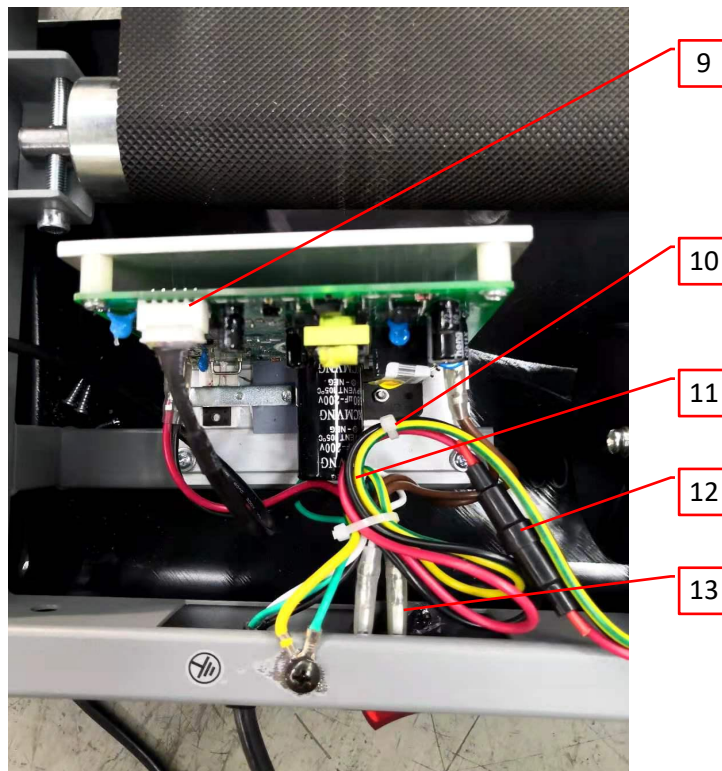
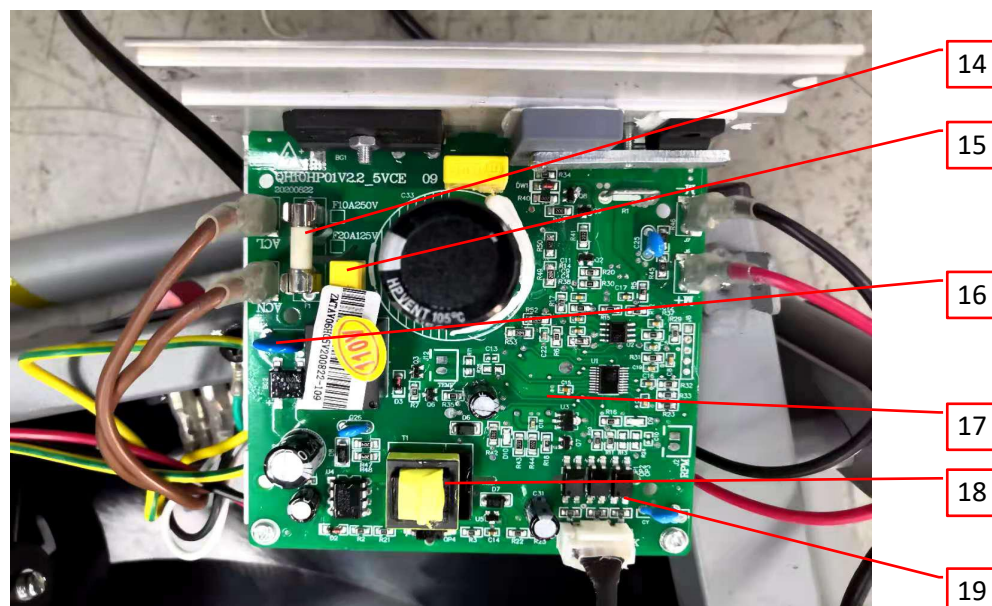


Photo 30 - main PCB view of KBR-JK106 series



3.0 Product Photographs

Photo 31 - main PCB view of KBR-JK1606 series

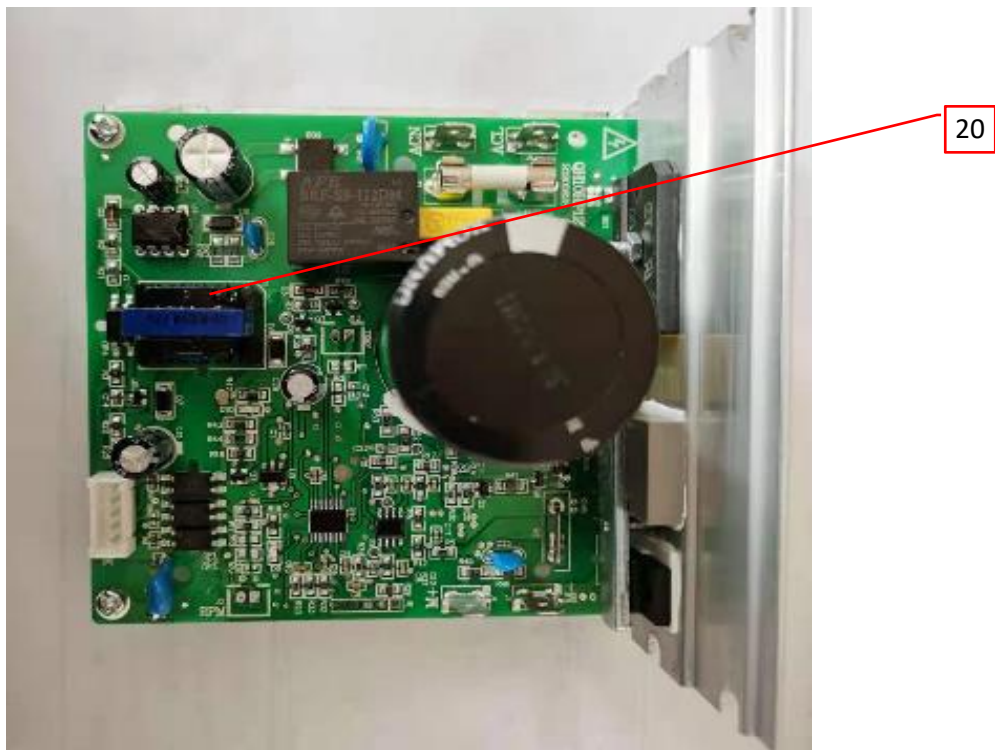
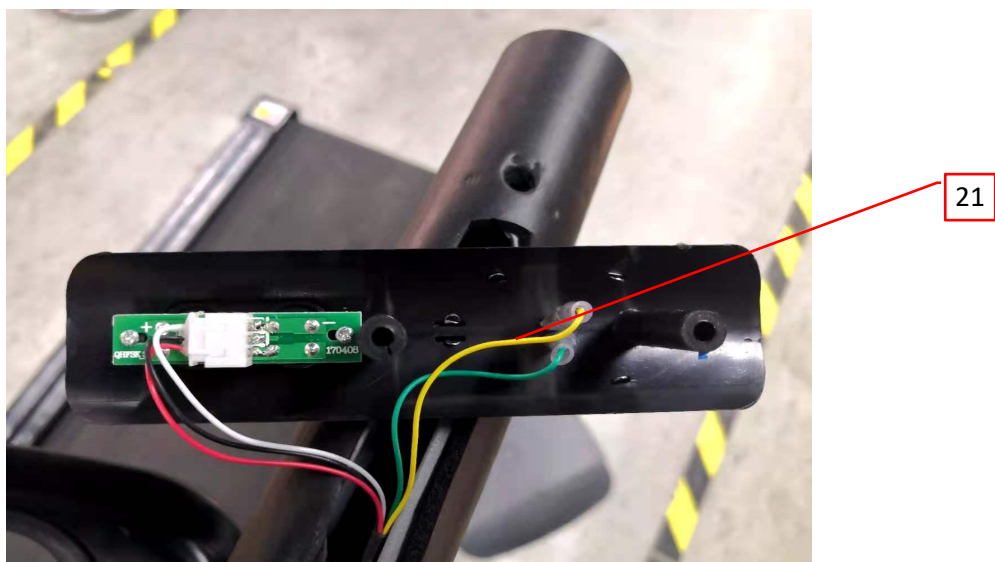


Photo 32 - function PCB view of models with Measuring heart rate function



4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
2	1	Enclosure	LG CHEM (TIANJIN) ENGINEERING PLASTICS CO LTD	LUPOL GP-1007F(#)	PP, V-2, HWI(3), HAI(2), RTI(120,120,120). thickness: 1.5mm min. Secured with bottom cover by screws.	UR
			YUYAO ZHONGFA ENGINEERING PLASTICS CO LTD	FR-58+	PP, V-0, HWI(4), HAI(0), RTI(110,105,110). thickness: 1.5mm min.	UR
3	2	Handle frame and Framework	Various	Various	Steel, min. thickness 1.0mm	NR
27	3	Plug	Various	Various	NEMA 5-15P, 125V, 10A	UL, ETL
27	4	Bottom cover	LG CHEM (TIANJIN) ENGINEERING PLASTICS CO LTD	LUPOL GP-1007F(#)	PP, V-2, HWI(3), HAI(2), RTI(120,120,120). thickness: 1.5mm min. Secured by screws on the metal support that is welded on container bottom.	UR
			YUYAO ZHONGFA ENGINEERING PLASTICS CO LTD	FR-58+	PP, V-0, HWI(4), HAI(0), RTI(110,105,110). thickness: 1.0mm min.	UR
27	5	Switch	Various	RK1-01	16A 250V/AC T100	UR
27	6	Cord anchorage	Shenzhen Hongyu Electrical Co Ltd.	6N-4	Used as Insulating Strain-Relief Bushing. Secured by snap-in.	UR
27	7	Power cord	Various	SPT-2	300V, 105°C, 18AWG x 3, min length 1.8m.	UL, ETL
			Various	SJT	300V, 105°C, 18AWG x 3, min length 1.8m.	UL, ETL
28	8	Motor 1	Ningbo Linghao Motor Co.,Ltd	82—53—70	DC90V, 400W. Class A. Secured to metal bracket by screws. For KBR-JK106 series.	See 5.0
28	8a	alternative motor 1	Ningbo Fenghua City Heng Jin Motor Company Limited	ZYT80-10	DC90V, 400W, Class A. Secured to metal bracket by screws. Alternative for KBR-JK106 series.	See 5.0

4.0 Critical Components						
Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
28	8b	Motor 2	Ningbo Fenghua City Heng Jin Motor Company Limited	ZYT82- I -90V	DC90V, 550W, Class A. Secured to metal bracket by screws. For KBR-JK1606 series.	See 5.0
29	9	Multi-pin Connector on PCB	Various	Various	Stitch Length 2.54mm.	UR
29	10	Cable tie	Various	Various	Min.80°C.	UR
29	11	Internal wiring	Various	1015	600V,105°C,18AWG	UR
				3122	300V,200°C,18AWG	UR
29	12	Fuse	Dongguan Senlin Electronic Co.,Ltd	BTC	250V, 15A. Secured by mechanical ways.	UR
			Dongguan Better Electronics Technology Co., Ltd.,	524	250V, 15A. Secured by mechanical ways.	UR
29	13	Quick-connect Connector	Various	Various	Suitable for gauge of wire. Provided with sleeving, minimum 105°C, 300 V	UR
30	14	Fuse on PCB	Various	Various	AC250V, 15A. soldered on PCB.	UR
30	15	X2 Capacitor	DONGGUAN CHAMPION ELECTRONIC TECHNOLOGY CO LTD.	MPX	Rated 275V, 0.1μF, -40/+110, soldered on PCB.	UR
			Tenta Electric Industrial Co. Ltd.	MPX	Rated 275V, 0.1μF, -40/+110, soldered on PCB.	UR
30	16	Varistor	Various	Various	Rated 240V, MLV=1150, soldered on PCB.	UR
30	17	PCB	Various	Various	V-0, Min. thickness: 1.6mm. Min. 120°C. Secured to bracket by screws.	UR

4.0 Critical Components

Photo #	Item no. ¹	Name	Manufacturer/ trademark ²	Type / model ²	Technical data and securement means	Mark(s) of conformity ³
30	18	Transformer	NINGBO HUAYU ELECTRONICS CO.,LTD.	EE16 QH1605V001	Input: 110V, output: 5V. Class A. soldered on PCB. For KBR-JK106 series.	UR
			SHENZHEN HAIYUAN ELECTRONIC TECHNOLOGY CO.,LTD.	EE16 QH1605V001	Input: 110V, output: 5V. Class A. soldered on PCB. For KBR-JK106 series.	NR
30	19	Optical Coupler	Various	Various	Double protection optical isolators, providing 3750 Vac isolation.	UR
31	20	Transformer	NINGBO HUAYU ELECTRONICS CO.,LTD.	EE19 QHEE912V	Input: 110V, output: 12V. Class A. soldered on PCB. For KBR-JK1606 series.	UR
			SHENZHEN HAIYUAN ELECTRONIC TECHNOLOGY CO.,LTD.	EE19 QHEE912V	Input: 110V, output: 12V. Class A. soldered on PCB. For KBR-JK1606 series.	NR
32	21	Internal Wires for PCB	Various	2464	AWM, rated 300V, 80°C, 26AWG.	UR
1	22	Label(not shown)	Various	Various	rated at least -40~+80°C, suitable for applicable surface.	UR

NOTES:

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.

2) "Various" means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components						
INSULATED COIL						
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model		
28	8	Motor 1	Ningbo Linghao Motor Co.,Ltd	82—53—70		
Electrical Rating: DC90V, 400W				Insulation class A		
Component Standard used:		UL 1004-1:2012 Ed.2+R:05Nov2020 UL 1004-3:2015 Ed.2+R:31Jan2018				
MATERIALS LIST						
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information			
Insulating Tape	BONDTEC PACIFIC CO LTD	W20×239	Rated 155°C.			
Bobbin	E I DUPONT DE NEMOURS & CO INC	103FHS(+)	PA66, V-2, HWI=4, HAI=0, RTI(130, 110, 125), Min. thickness: 1.5mm.			
Winding	ZheJiang Hongbo Technology Co.,Ltd.D	QZY-2 180L	Rated 180°C. Polyurethane film coated magnet wire.			
Lead Wire	Various	1015	18-22AWG, 600V, 105°C.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (AWG or mm ²)	Wire Type	Turns	Volts	Amps	AC resistance (Ω) +/- 10%:
Rotor Windings	0.21mm	see above	-	-	-	57
VERIFICATION PROCESS						
Frequency: Annual	Test Site: Hangzhou (quote required)		Number of samples to test: 1			
Test Name	Test Parameters					
Winding resistance	See resistance per winding above.					
Dielectric Strength	Apply voltage Between			Test Voltage		Test Time
	Primary to core			1240V		60s

5.0 Critical Unlisted CEC Components**INSULATED COIL**

Photo #	Item no.	Name	Manufacturer/Trademark	Type / model
28	8a	alternative motor 1	Ningbo Fenghua City Heng Jin Motor Company Limited	ZYT80-10
Electrical Rating: DC90V 400W				Insulation class A
Component Standard used: UL 1004-1:2012 Ed.2+R:05Nov2020 UL 1004-3:2015 Ed.2+R:31Jan2018				

MATERIALS LIST

Component	Manufacturer	Type/model	Dimensions/thickness/assembly information
Insulating Tape	BONDTEC PACIFIC CO LTD	W22×180	Rated 155°C.
Bobbin	E I DUPONT DE NEMOURS & CO INC	103FHS(+)	PA66, V-2, HWI=4, HAI=0, RTI(130, 110, 125), Min. thickness: 1.5mm.
Winding	ZheJiang Hongbo Technology Co.,Ltd.D	QZ-130L	Rated 180°C. Polyurethane film coated magnet wire.
Lead Wire	Various	1015	18-22AWG, 600V, 105°C.

WINDING(S) RESISTANCE

Winding Designation	Wire Size (AWG or mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Rotor Windings	0.28mm	see above	-	-	-	52

VERIFICATION PROCESS

Frequency: Annual	Test Site: Hangzhou (quote required)	Number of samples to test: 1	
Test Name	Test Parameters		
Winding resistance	See resistance per winding above.		
Dielectric Strength	Apply voltage Between	Test Voltage	Test Time
	Primary to core	1240V	60s

5.0 Critical Unlisted CEC Components						
INSULATED COIL						
Photo #	Item no.	Name	Manufacturer/Trademark	Type / model		
28	8b	motor 2	Ningbo Fenghua City Heng Jin Motor Company Limited	ZYT82- I -90V		
Electrical Rating: DC90V 550W				Insulation class A		
Component Standard used:				UL 1004-1:2012 Ed.2+R:05Nov2020 UL 1004-3:2015 Ed.2+R:31Jan2018		
MATERIALS LIST						
Component	Manufacturer	Type/model	Dimensions/thickness/assembly information			
Insulating Tape	BONDTEC PACIFIC CO LTD	W22×180	Rated 155°C.			
Bobbin	E I DUPONT DE NEMOURS & CO INC	103FHS(+)	PA66, V-2, HWI=4, HAI=0, RTI(130, 110, 125), Min. thickness: 1.5mm.			
Winding	ZheJiang Hongbo Technology Co.,Ltd.D	QZ-130L	Rated 180°C. Polyurethane film coated magnet wire.			
Lead Wire	Various	1015	18-22AWG, 600V, 105°C.			
WINDING(S) RESISTANCE						
Winding Designation	Wire Size (AWG or mm ²)	Wire Type	Turns	Volts	Amps	DC resistance (Ω) +/- 10%:
Rotor Windings	0.35mm	see above	-	-	-	38
VERIFICATION PROCESS						
Frequency: Annual	Test Site: Hangzhou (quote required)		Number of samples to test: 1			
Test Name	Test Parameters					
Winding resistance	See resistance per winding above.					
Dielectric Strength	Apply voltage Between		Test Voltage		Test Time	
	Primary to core		1240V		60s	

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, minimum spacing (1.6mm) are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity, and between such current-carrying parts and dead-metal parts or low voltage isolated circuits
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a non-metallic enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord.
6. Polarized Connection - N/A
7. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets.
8. Schematics - N/A
9. Markings - The product is marked on a labeling system as described in item no. 22 of Section 4.0 as follows: applicant's name, model number, date of manufacturer, electrical ratings. Refer to Illustration No(s). 1 for details.
10. Cautionary Markings - The following are required: Refer to Illustration No(s). 1-1b for details.
11. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer. Refer to Illustration No(s). 2-2b for details.

7.0 Illustrations

Illustration 1 - Marking

(KBR-JK106 as representative)



note: only model no. and rated power input different.

7.0 Illustrations

Illustration 1a - Warnings

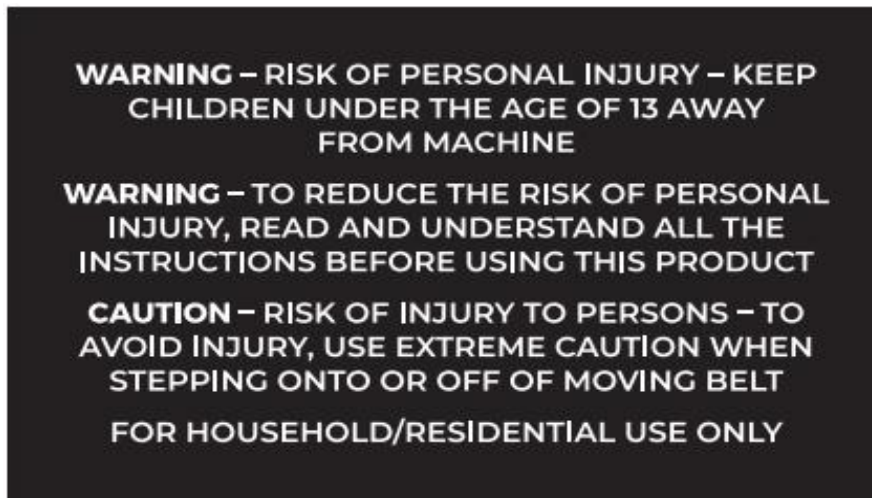
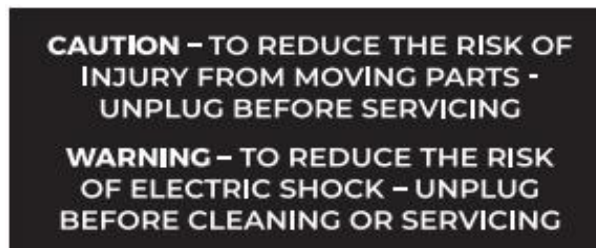


Illustration 1b - Warnings (continued)



7.0 Illustrations

Illustration 2 - Manual (Complete manual including specification, safety instruction, installation, use and maintenance of the product should be included in the end product, the safety instruction listed as follows)

WARNINGS

IMPORTANT SAFETY INSTRUCTIONS

- When using an electrical appliance, basic precautions should always be followed, including the following:
- Read all instructions before using (this appliance).
- **DANGER** – To reduce the risk of electric shock:
 - 1) Always unplug this appliance from the electrical outlet immediately after using and before cleaning.
- **WARNING** – To reduce the risk of burns, fire, electric shock, or injury to persons:
 - 1) An appliance should never be left unattended when plugged in. Unplug from outlet when not in use, and before putting on or taking off parts.
 - 2) Do not operate under blanket or pillow. Excessive heating can occur and cause fire, electric shock, or injury to persons.
 - 3) Close supervision is necessary when this appliance is used by, on, or near children, invalids, or disabled persons.
 - 4) Use this appliance only for its intended use as described in this manual. Do not use attachments not recommended by the manufacturer.
 - 5) Never operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the appliance to a service center for examination and repair.
 - 6) Do not carry this appliance by supply cord or use cord as a handle.
 - 7) Keep the cord away from heated surfaces.
 - 8) Never operate the appliance with the air openings blocked. Keep the air openings free of lint, hair, and the like.
 - 9) Never drop or insert any object into any opening.
 - 10) Do not use outdoors.
 - 11) Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
 - 12) To disconnect, turn all controls to the off position, then remove plug from outlet.
 - 13) **WARNING:** Connect this appliance to a properly grounded outlet only. See Grounding Instructions.
 - 14) This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Keep children under the age of 13 away from this machine.
 - 15) **WARNING:**
 - i) Do not use the appliance in close proximity to loose clothing or jewelry.
 - ii) Keep long hair away from the appliance while in use
 - 16) For Household/Residential Use Only
 - 17) **CAUTION** – Risk of Injury to Persons – To Avoid Injury, use extreme caution when stepping onto or off of a moving belt.
 - 18) **WARNING** – Risk of personal injury – Keep children under the age of 13 away from machine.

7.0 Illustrations**Illustration 2a - Manual (continued)**

WARNINGS

GROUNDING INSTRUCTIONS

This product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

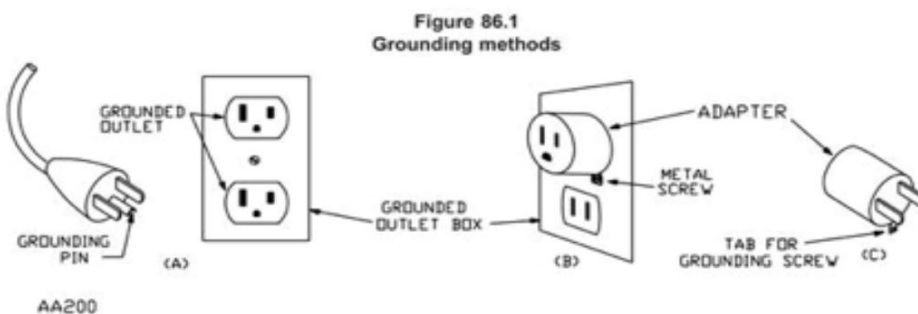
DANGER – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

For a grounded, cord-connected product rated less than 15 A and intended for use on a nominal 120-V supply circuit, the instructions in either (1) or (2):

1) This product is for use on a nominal 120-V circuit, and has a grounding plug that looks like the plug illustrated in sketch A in Figure 86.1. A temporary adapter that looks like the adapter illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available.

The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

2) This product is for use on a nominal 120-V circuit and has a grounding plug that looks like the plug illustrated in sketch A in Figure 86.1. Make sure that the product is connected to an outlet having the same configuration as the plug. No adapter should be used with this product.



7.0 Illustrations

Illustration 2b - Manual (continued)

! NOTICE

Please retain these instructions for future reference.



- Do not stand on or use any part of this item as a step ladder.
- Firmly secure all bolts, screws and knobs before use.
- Reconfirm that all bolts, screws, and knobs are secure every 90 days.
- Do not use or store this item in the proximity of open flame or flammable/combustible chemicals.
- If any parts are missing, broken, damaged, or worn, stop using this product until repairs are made and/or factory replacement parts are installed.
- Do not use this item in a way inconsistent with the manufacturer's instructions as this could void the product warranty.
- This product contains small parts for assembly. Keep small children and pets away while assembling this product.

CAUTION DURING USE

Please do not exceed the weight limitations of this item.

- Place the machine on flat ground. Do not use it in the following places:
 - Outdoors
 - Slanted ground
 - Direct sunlight
 - Near heat sources like a heater/fireplace
 - Places with excessive noise
 - Enclosed spaces or areas without proper air circulation.
- Errors may appear if the power supply is not stable. Do not plug into the same wall outlet as computers, air conditioners, etc.
- Be careful of children or other objects while folding and unfolding the machine.
- Do not start the machine when it is folded.
- Make sure the running belt is fastened before use.
- Do not put the machine near wet objects or water. Errors may occur if item gets wet.
- Do not place any objects 6 feet behind the machine.
- Do not stand on running belt when starting the machine.
- Stop immediately at the first sign of nausea.
- Increase treadmill speed slowly; do not immediately jump to an increased pace.
- Do not stand on belt while adjusting.
- Wear athletic shoes and athletic clothing when using this machine.
- Children, elderly, pregnant women, and patients recovering from injuries or surgery are prohibited to use the machine.
- Clip the safety key onto your clothing during use.
- Firmly hold the railings during use.
- Do not place any objects on the machine.
- Please turn off machine and unplug after using.
- Unplug when moving the machine or changing parts.

SAVE THESE INSTRUCTIONS

8.0 Test Summary			
Evaluation Period	7-Sep-2020 to 10-Dec-2020		Project No. 200900255HZH
Sample Rec. Date	7-Sep-2020	Condition Prototype	Sample ID. 1200907-03-010 ~ 012
Test Location	Intertek Testing Services Zhejiang Ltd., Hangzhou Branch 16 No. 1 Ave., Xiasha Economic Development District, Hangzhou 310018, China		
Test Procedure	Testing Lab		
Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.			
The following tests were performed:			
Test Description	UL 1647:2015 Ed.6+R:28Jan2020 /Clause		
Operating controls	27.3		
Stability	38		
Motion Simulation Appliances	43		
Leakage-Current Test	45		
Leakage Current Following Humidity Conditioning	46		
Starting-Current Test	47		
Input Test	48		
Temperture Test	49		
Surface-Temperature Test	50		
Dielectric Voltage-Withstand Test	52		
Switch and Control Test	58		
Operational Test	63		
Abnormal-Operation Test	64		
Permanence of Marking Test	65		
Polymeric Enclosure Tests	66		
Polymeric Materials Used as Structural Support	67		
Emergency Stop Switch Endurance Test	71		
Treadmill Belt Speed Test	72		
Thermoplastic Motor Insulation Systems	76		
Test Description	UL 1310:2018 Ed.7+R:16Aug2019 /Clause		
Maximum Output Voltage Test	28		
Maximum Input Test	29		
Output Current and Power Test	30		
Dielectric Voltage Withstand Test	34		
Abnormal Tests	39		
Test Description	UL 1004-1:2012 Ed.2+R:05Nov2020 UL 1004-3:2015 Ed.2+R:31Jan2018 /Clause		
Dielectric-Voltage Withstand Test	37		
Locked-Rotor Temperature Test	8		
Test Description	UL 746C:2018 Ed.7 /Clause		
Resistance to Impact	22		
Mold Stress Relief Distortion	29		
Strain-Relief Test After Mold Stress-Relief Distortion	31		
8.1 Signatures			
A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.			
Completed by:	Luis Liu	Reviewed by:	Harrison Yao
Title:	Engineer	Title:	Reviewer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings

The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.

BASIC LISTEE	NINGBO SHULI HEALTH TECHNOLOGY CO., LTD
Address	Building 3 NO.66 Lane 520 Tongning Road, Jiangbei, Ningbo, Zhejiang, 315000
Country	P.R.China
Product	Treadmill

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	
MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments at

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

- 1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
- 2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
- 3) a control number issue by Intertek
- 4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, "Conforms to" shall appear with the standard number along with the word, "Standard". Example: "Conforms to ANSI/UL Std. XX."

For Canadian standards, the words "Certified to CAN/CSA Standard CXX No. XX." shall be used, or abbreviated, "Certified to CXX No. XX."

Can be used together when both standards are used.

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use.

The facsimile need not have a control number. A control number will be issued **after signed Certification**

Agreements have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be conducted by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek components to be tested and/or evaluated at least once annually, more often for certain components, as part of the certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific lab shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:
Intertek Testing Services Shanghai Limited
ETL Component Evaluation Center
Building No. 86, 1198 Qinzhou Road (North)
Shanghai 200233, China
Attn: Ms. Angela Han

Sample Disposition: Due to the destructive nature of the testing, all samples will be destroyed after conclusion of testing unless, the manufacturer specifically requests the return of the samples. If a request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test
Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.

The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contactors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.

The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.

If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:

- 1 - a voltmeter in the primary circuit;
- 2 - a selector switch marked to indicate the test potential; or
- 3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.

In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
All products covered by this Report.	1240V	60 s
	or	
	1488V	1 s

11.2 Grounding Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.

If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

12.0 Revision Summary

The following changes are in compliance with the declaration of Section 8.1:

[illegible]