

⚠ WARNING  **Electrical Shock Hazard**

Failure to adhere to this important safety notice can result in serious injury or death.

- Repairs must be performed by a qualified Service Professional.
- Disconnect power before servicing this product.
- Reconnect all grounding devices after service.
- Replace all parts and panels before operating.

⚠ AVERTISSEMENT  **Risque de choc électrique.**

L'omission d'observer cet avis de sécurité important peut entraîner des blessures sévères voire fatales.

- Les réparations doivent être effectuées par un professionnel qualifié.
- Débranchez l'alimentation électrique avant la réparation.
- Rebranchez tous les dispositifs de mise à la terre après la réparation.
- Remettez toutes les pièces et panneaux en place avant d'utiliser l'appareil.

TECHNICAL DATA
TMNF 16/17/18/19/22
Pub. No. 31-1000431 Rev. 1
12-19 GEA

ELECTRICAL SPECIFICATIONS

Temperature Control (Setting 3) 13.5-25.5°F /(-10.3)-(-3.6)°C
 Defrost Control Adaptive Defrost

NO LOAD PERFORMANCE

Control Position, Setting 3

Temperature of **70°F / 21°C** **90°F / 32°C**
 Refrigerator, °F / °C 33-40 / 0.6-4.4 35-40 / 1.7-4.4
 Freezer, °F / °C (-2)-5 / (-18.9)-(-15) (-2)-2 / (-18.9)-(-16.7)
 Running Time % 30-45% 50-65%

REFRIGERATION SYSTEM

Refrigerant Charge (R600a) refer to table

SPÉCIFICATIONS ÉLECTRIQUES

Commande de température (réglage 3) (-10.3)-(-3.6)°C / 13.5-25.5°F
 Commande de dégivrage Dégivrage adaptatif

RENDEMENT À VIDE

Position de commande, réglage 3

et température de **21°C / 70°F** **32°C / 90°F**
 Aliments réfrigérés °C / °F 0.6-4.4 / 33-40 1.7-4.4 / 35-40
 Aliments sugelés °C / °F (-18.9)-(-15) / (-2)-5 (-18.9)-(-16.7) / (-2)-2

Durée de fonctionnement 30-45% 50-65%

SYSTÈME FRIGORIFIQUE

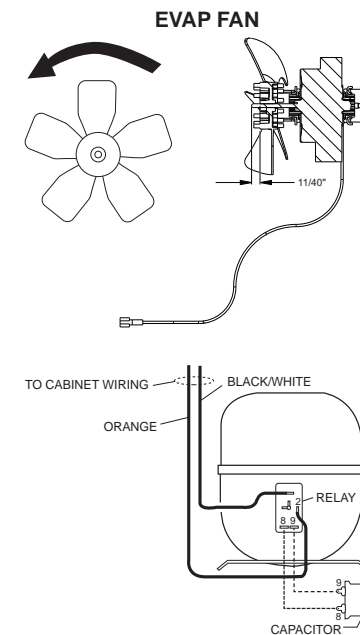
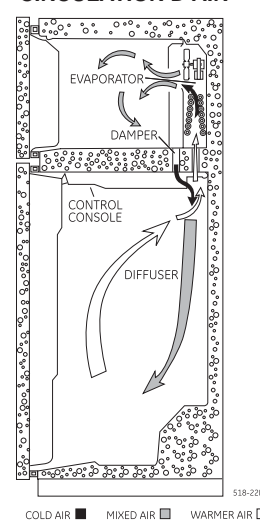
Frigorigène - (R600a) se référer à la table

Model	Charge (R600a)
E16***	45 grams
S16*C***	
S16*D***	
E17***	
S17*D***	
E18***	
S18***	
E19***	
S19***	
E22***	
S22***	
S16*E***	
S17*E***	

LOKRING Connector Information		
Component	Size	GEA Part #
Drier Inlet	4mm x 6mm	WR97X10033
Drier Outlet	2mm x 6mm	WR97X10032
Evaporator Inlet Capillary	2mm x 6mm	WR97X10032
Evaporator Inlet Suction	6mm x 6mm	WR97X10031
Evaporator Outlet	8mm x 8mm	WR97X10021
Compressor Inlet	6mm x 6mm	WR97X10036
Compressor Outlet	5mm x 7mm	WR97X25268
Compressor Process Stub	6mm x 8mm	WR97X10036
Condenser Inlet	5mm x 7mm	WR97X25268
Condenser Outlet	4mm x 6mm	WR97X10033
Heat Exchanger Suction	6mm x 6mm	WR97X10031
Heat Exchanger Capillary	2mm x 6mm	WR97X10032
Hot Gas Loop Inlet	5mm x 6mm	WR97X10034
Hot Gas Loop Outlet	4mm x 6mm	WR97X10033
R600a Filter Drier		WR87X30875
R600a Process Valve		WR87X30876

Compressor	R-C	S-C	Compressor Capacity	Fan Evap.	Fan Cond	
					Sung Shin	Bitron
Embraco ESC36C	9.95 Ohm	11.7 Ohm	430 BTU/hr	∞	78 Ω	∞
Jiaxipera TX1112HY	6.61 Ohm	6.42 Ohm	525 BTU/hr			
Meizhi EZ55H1Y-U	8.25 Ohm	10.44 Ohm	434 BTU/hr			
Meizhi EZ65H1Y-U	6.83 Ohm	6.23 Ohm	503 BTU/hr			
Meizhi EZ59E1A-U	8.79 Ohm	8.28 Ohm	418 BTU/hr			
Jiaxipera TT1110HY	7.62 Ohm	10.44 Ohm	421 BTU/hr			

AIR FLOW/ CIRCULATION D'AIR



Specific Tube Sizes	
Capillary Line	2mm
Evaporator (Copper Line)	6mm
Filter Drier *	6mm
Heat Exchanger	6mm
Hot Gas Loop	4mm
High Side Tube (Case Side)	5mm
Suction Line Tube (Case Side)	6mm

FAULT TABLE		
Fault Sequence	LED Fault Code	Fault Indication
1	1s on/5s off	Refrigerator Thermistor Fault
2	1s on/1s off (repeat 2 times), then 5s off	Defrost Thermistor Fault
3	1s on/1s off (repeat 3 times), then 5s off	3 or more abnormal defrosts
4	1s on/1s off (repeat 4 times), then 5s off	Door Open <1 hour in last 24 hours
No Fault	Off	None

Test/Function	Entry Sequence	Unit Response
Forced Defrost	While connected to power, open the door, press and release the light switch 3 times. The LED lights will flash 2 times after 4 seconds to indicate successful entry into Defrost mode.	The LED lights will flash 2 times after 4 seconds to indicated successful entry into Defrost mode.
		The defrost heater will energize if the refrigerator was in cooling state.
		The refrigerator will enter the Idle/Temperature Control state if the refrigerator was in a Dwell state or the defrost heater was ON.
Sabbath Mode	Turn the control knob to the coldest position "5", press and hold the light switch, turn the control knob to position 3, then release the light switch.	Sabbath mode will terminate after 96 hours.
Service Mode	While the control knob is in the OFF position, press and hold the light switch, followed by turning the control knob to position 3, then releasing the light switch.	The LEDs will turn ON for 1 second and the control board will perform a Power On Self-Test (POST) checking for faults. The POST operation takes less than 2 seconds. After POST, if no thermistor issues exists, the defrost heater is turned ON for 25 seconds. See Fault table for fault indications.

