



Service Manual

Refrigerator/Freezer

Model:
RF217TCRW1

Product Code:
22238



care

231193

PRODUCT INFORMATION

Brand Elba
Voltage 220-240V 50Hz
Model RF217TCRW1
Product Code 22238

RF	Refrigerator
217	Volume (litres)
T	Top-mounted freezer
C	Classic styling
R	Right-hinged door
W	White
1	Version

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CONTENTS

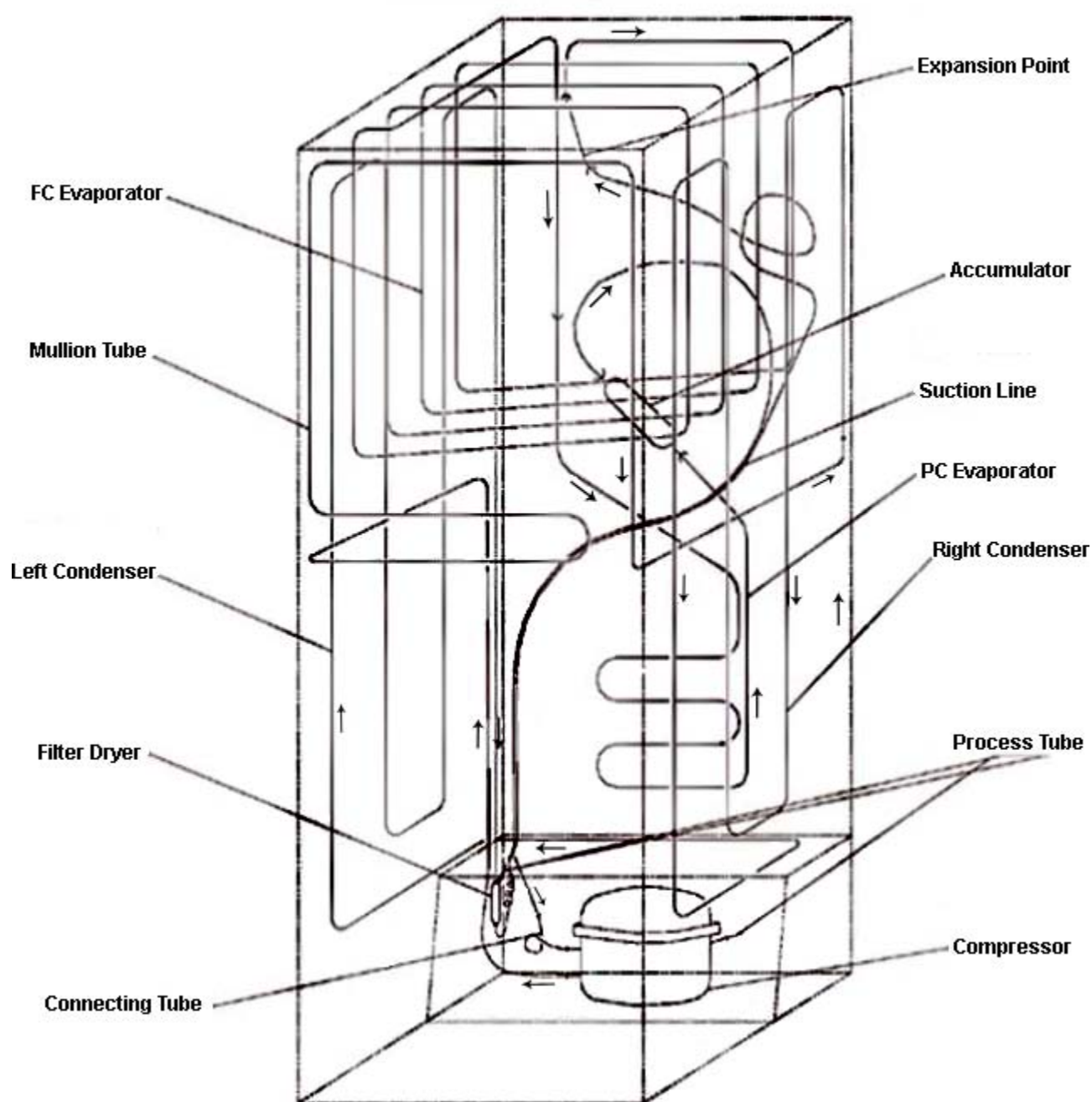
1.	SPECIFICATIONS.....	4
2.	COOLING SYSTEM	5
3.	ELECTRICAL SYSTEM.....	6
4.	TROUBLESHOOTING GUIDE	7

1. SPECIFICATIONS

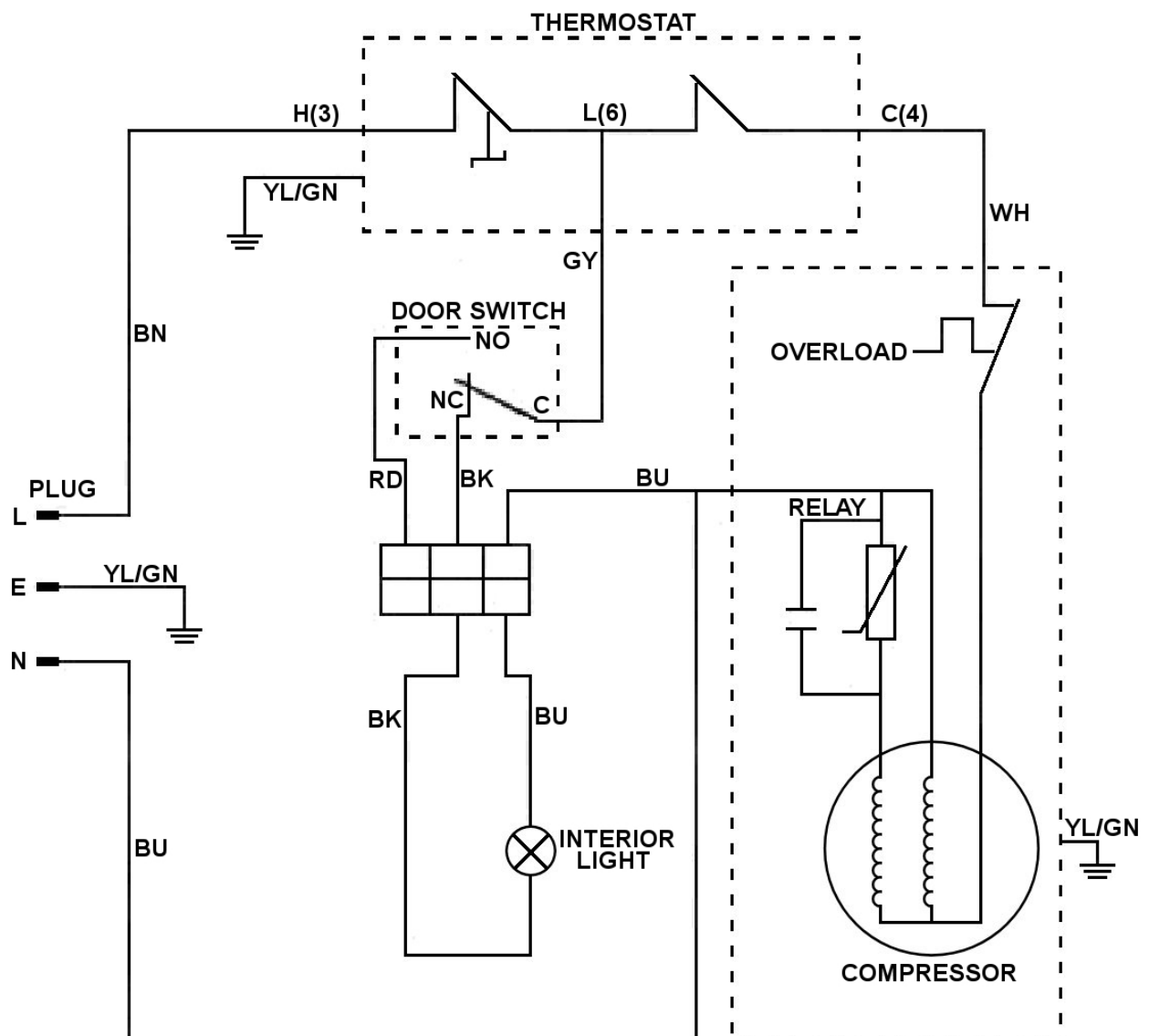
Model	RF217TCRW1
Type of Appliance	Refrigerator with top-mounted freezer
Technical data	
Voltage / frequency V/Hz	230-240 volts / 50 Hz
Refrigerant type	R600a
Refrigerant charge	41 grams
Compressor Specifications	
Make	Wangsheng
Model	WS85YG
Output wattage	98 watts
Run resistance	22.9 ohms
Start resistance	20.8 ohms
Run current	0.66 amps
Run capacitor	4uF
Overload	WS85YG DRB18R61A1: BT46-130A61D2
PTC relay	QP2-15

- PC evaporator behind the evaporator (wet wall evaporator).
- FC tank made of ABS.
- Suction line on the left-hand side of the compressor, process pipe on the right.
- Internal joints are not serviceable.

2. COOLING SYSTEM



3. ELECTRICAL SYSTEM



4. TROUBLESHOOTING GUIDE

Problem	Possible Cause	What To Do
The refrigerator does not get cold at all.	Not plugged in.	Plug in
	Is the circuit breaker tripped or fuse blown?	Put on the home circuit breaker or change the fuse.
	Is the refrigerator temperature control set to "off"?	Set the temperature control knob to "4".
The refrigerator does not get cold enough.	Is the refrigerator control dial set too high?	Set it to a colder temperature.
	Is the refrigerator placed in direct sunlight or near heat source?	Move the refrigerator to suitable location.
	Is the door closed completely?	Close the door completely.
	Is the door opened too frequently or for long periods?	Open the door less often.
	Does the door gasket seal properly?	Ensure the gasket seal is intact.
	Is the refrigerator overloaded?	Load less food into it.
The food in the refrigerator is frozen	Is the refrigerator control dial set too low?	Set it to a warmer temperature.
	Is the ambient temperature too low?	
The sides of the cabinet are hot, resulting in condensation.	Hot-pipe is installed in two sides of refrigerator, in order to reduce cooling times and conserve energy	Normal state.
	Condensation can occur when you leave the door open for a long time.	Normal state.
Vibrations	The refrigerator is not level and firm.	Place the refrigerator in a level location.
The refrigerator is noisy.	Bubbling noise from refrigerant circulation.	Normal state.
	Contraction and expansion of the insulation inside the walls may cause popping and cracking.	Normal state.
	Is the refrigerator unstable or touching the wall?	Ensure refrigerator is level and away from walls.
	Is the refrigerator not level?	Adjust the refrigerator.
The door does not close properly.	Were the doors not properly installed?	Ensure the doors are installed properly.
	Is the door gasket dirty or distorted?	Clean and flatten the door gasket.

Problem	Possible Cause	What To Do
The lamp does not work.	Is the circuit breaker tripped or fuse blown?	Put on the home circuit breaker or change the fuse.
	Is the refrigerator door closed completely?	Ensure the door closes completely.
The compressor runs continuously.	Is the ambient temperature too high?	
	Is the temperature controller in the FC or in the PC is set too cold?	Set it at correct position.
	Too much food is loaded into the refrigerator, resulting in insufficient space for airflow.	Load less food into the refrigerator.
The compressor runs continuously.	The door does not close completely or the gasket does not seal properly.	Ensure door closes completely and gasket seals correctly.
	Door is opened too frequently.	Limit number of times door is opened.

