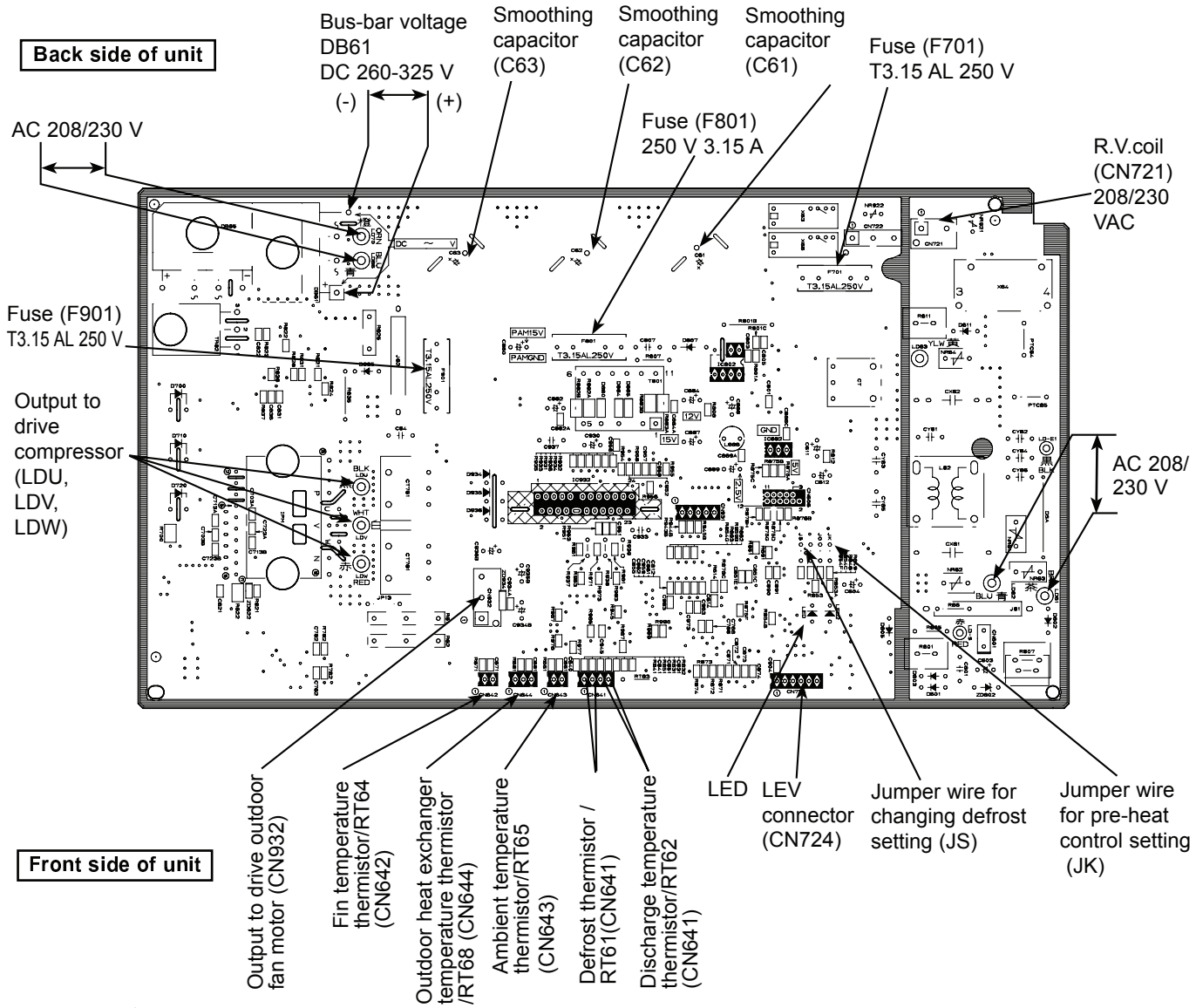
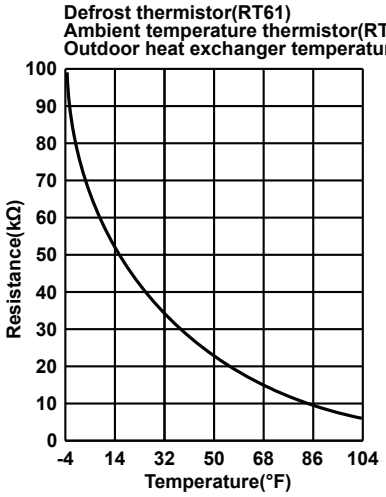
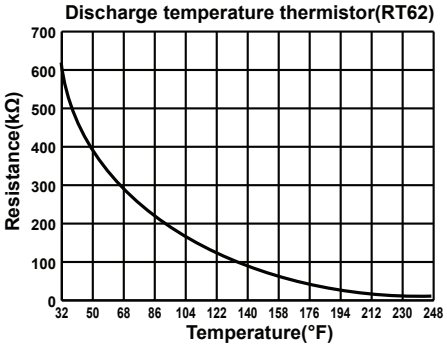
10-6. TEST POINT DIAGRAM AND VOLTAGE

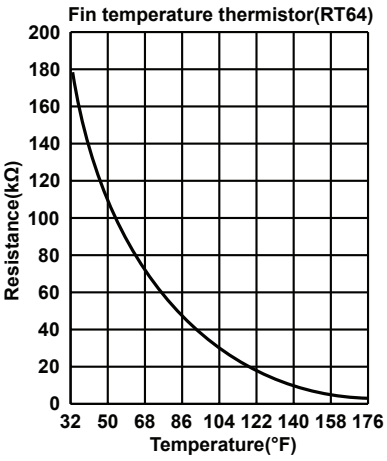
1. Inverter P.C. board

SUZ-KA09NA SUZ-KA12NA SUZ-KA15NA

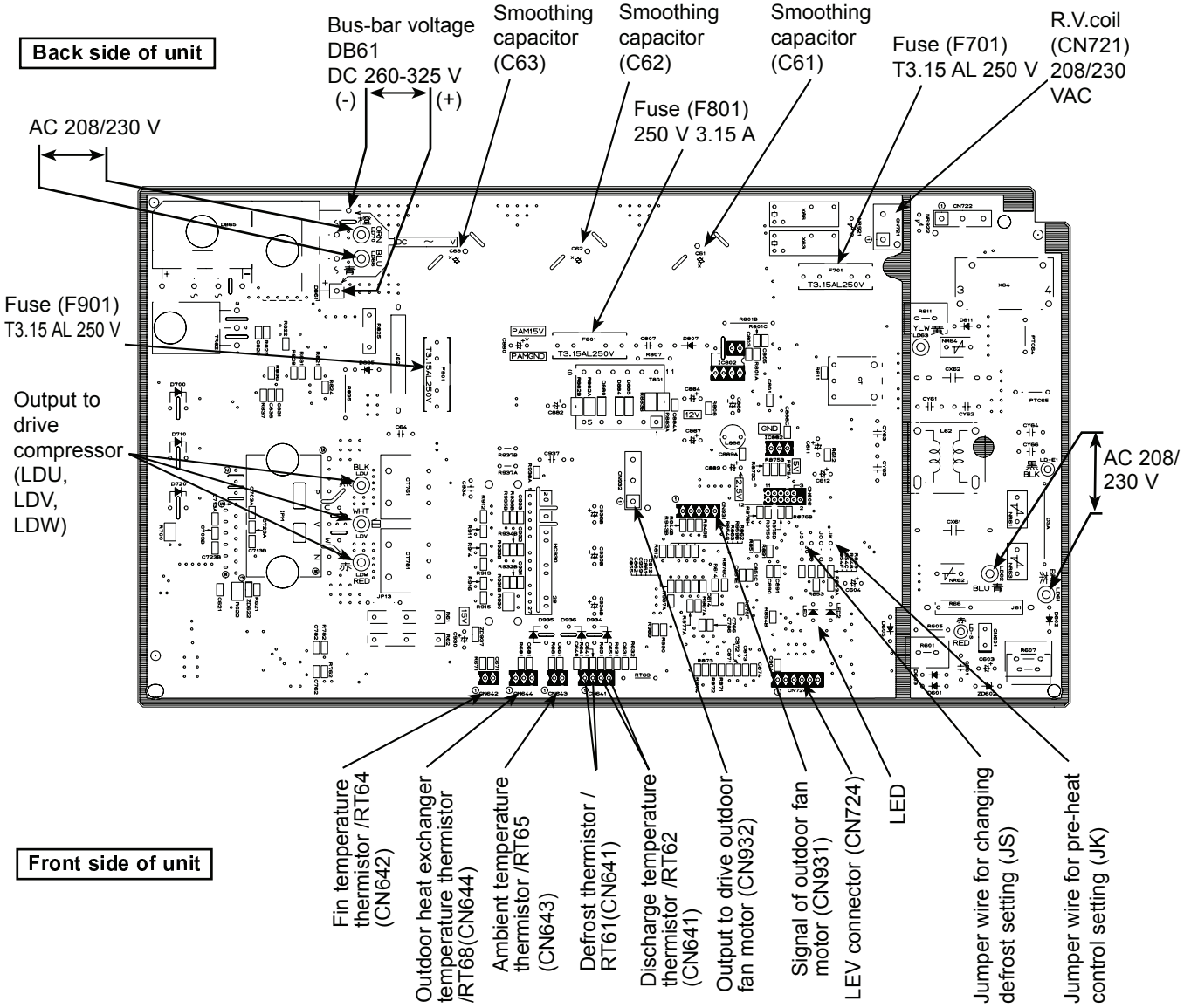


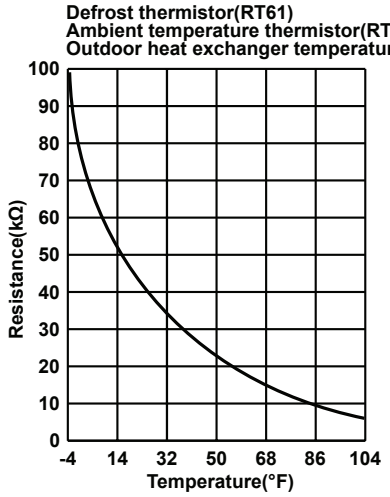


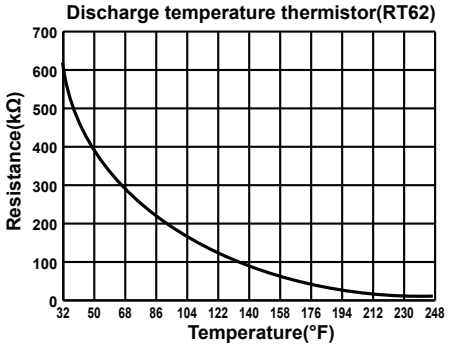


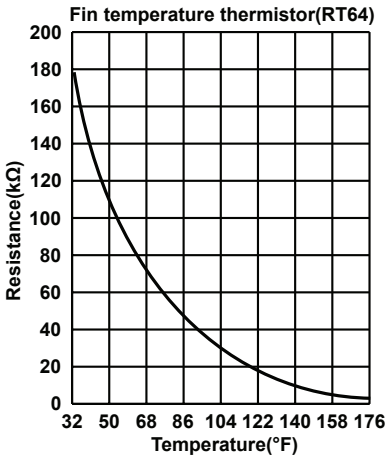


SUZ-KA18NA


Back side of unit
Bus-bar voltage DB61 DC 260-325 V
(-)
(+)
Smoothing capacitor (C63)
Smoothing capacitor (C62)
Smoothing capacitor (C61)
Fuse (F701) T3.15 AL 250 V
R.V.coil (CN721) 208/230 VAC
Fuse (F801) 250 V 3.15 A
AC 208/230 V
Fuse (F901) T3.15 AL 250 V
Output to drive compressor (LDU, LDV, LDW)
AC 208/ 230 V
Front side of unit
Fin temperature thermistor /RT64 (CN642)
Outdoor heat exchanger temperature thermistor /RT68(CN644)
Ambient temperature thermistor /RT65 (CN643)
Defrost thermistor / RT61(CN641)
Discharge temperature thermistor /RT62 (CN641)
Output to drive outdoor fan motor (CN932)
Signal of outdoor fan motor (CN931)
LEV connector (CN724)
LED
Jumper wire for changing defrost setting (JS)
Jumper wire for pre-heat control setting (JK)


Defrost thermistor(RT61)
Ambient temperature thermistor(RT65)
Outdoor heat exchanger temperature thermistor(RT68)
Resistance(kΩ)
100
90
80
70
60
50
40
30
20
10
0
-4 14 32 50 68 86 104
Temperature(°F)


Discharge temperature thermistor(RT62)
Resistance(kΩ)
700
600
500
400
300
200
100
0
32 50 68 86 104 122 140 158 176 194 212 230 248
Temperature(°F)


Fin temperature thermistor(RT64)
Resistance(kΩ)
200
180
160
140
120
100
80
60
40
20
0
32 50 68 86 104 122 140 158 176
Temperature(°F)