

Performance Test Data for Mortuary room

Date of report July 5, 2019

	Section
MODEL	Mortuary room
Period of Performance Test	July 3, 2019 - July 4, 2019



MODEL	Mortuary room
Power supply	220V x 60HZ x 1 Ph
Inner capacity	Liter
Product dimension Outside	870L×2275D×1770H cabinet
Composition of unit	Description
Compressor	FF112HAK
Condenser Coil	3/8"x4Rx10Sx250L(t.p4mm)
Evaporator Coil	3/8"x8Rx8Sx185L(t.p4mm)
Condenser Motor	9W x 4P
Evaporator Motor	6W x 4P
Condenser Fan	230 x 4B
Evaporator Fan	180 x 5B
Capillary Tube	0.96(I.D) x 1,400L
Refrigerant volume	430g (R134a)
Usage	Mortuary refrigerator
Remarks	Performance Test

*** Refrigerant volume determining test data (Model: Mortuary room)**

No.	Beating point	Refrigerant volume (as of July 3)				PCB Setting			
		430				Set	4		
	Humidity	60				/3	0		
61	Ambient temperature	32.6				rd	2		
62	Comp. body	65.1				c2	5		
63	Comp. out	83.8				c3	3		
64	Comp. in	67.1				d0	0		
65	Cond. Half	42.5				d1	4		
66	Cond. Out	41.0				dt	16		
67	Evap.in	-13.7				dp	20		
68	Evap. Half	-13.5				dd	2		
69	Evap. Out	-14.1				F0	1		
70	Comp. in	16.2				F1	10		
71	Inner cabine-center (upper left)	0.5				F2	1		
72	Inner cabine-center (md md)	-3.2				F3	0		
73	Inner cabine-center (lower right)	-4.6							
74	Inner cabine-front (lower left)	-2.8							
75	Inner cabine-front (md md)	-0.9							
76	Inner cabine-front ((upper right)	-2.6							
77	sensor	-4.8							
-	low pressure	6PSI							
-	high pressure	148PSI							
-	Comp Current	2.87A							
-	Operating Current	3.19A							

*** Test Run data (Model: Mortuary room)**

1. TEST SPEC: 220V/60Hz/1Ph. Refrigerant R134a (430g)
2. CAREL SETTING: 4°C
3. TEST CONDITION : 32°C LAB / 60%
4. POSITION OF THE SENSOR : SUCTION OPENING OF THE CABINE
5. OPERATING RATE : 49.7%

No.	Beating point	On	Off	AVERAGE
		Humidity	60	60
61	Ambient temperature	32.1	31.9	32.0
62	Comp. body	56.0	54.9	55.4
63	Comp. out	76.1	47.7	61.9
64	Comp. in	63.2	39.0	51.1
65	Cond. Half	42.8	31.5	37.1
66	Cond. Out	40.3	28.6	34.4
67	Evap.in	-8.7	15.0	3.1
68	Evap. Half	-4.0	0.7	-1.6
69	Evap. Out	0.9	1.1	1.0
70	Comp. in	21.3	33.3	27.3
71	Inner cabine-center (upper left)	8.5	8.8	8.6
72	Inner cabine-center (md md)	5.4	5.8	5.6
73	Inner cabine-center (lower right)	5.2	5.6	5.4
74	Inner cabine-front (lower left)	5.6	5.9	5.7
75	Inner cabine-front (md md)	7.8	8.4	8.1
76	Inner cabine-front ((upper right)	5.8	6.1	5.9
77	sensor	3.7	6.5	5.1
-	low pressure	9PSI	28PSI	-
-	high pressure	157PSI	120PSI	-
-	Operating (4Cycle)	1205 s	1217 s	49.7%

Chart (July 3)

[Comp Current :3.06A Operating Current : 3.4A]

