

商用空调温度对应阻值表

附录一：美的各种温度传感器温度阻值表

美的环境温度(包括室温、室外环境温度等)、管温阻值表(商用、家用一样)

单位: °C--K

室温、管温传感器表

-20	115.266	20	12.6431	60	2.35774	100	0.62973
-19	108.146	21	12.0561	61	2.27249	101	0.61148
-18	101.517	22	11.5	62	2.19073	102	0.59386
-17	96.3423	23	10.9731	63	2.11241	103	0.57683
-16	89.5865	24	10.4736	64	2.03732	104	0.56038
-15	84.219	25	10	65	1.96532	105	0.54448
-14	79.311	26	9.55074	66	1.89627	106	0.52912
-13	74.536	27	9.12445	67	1.83003	107	0.51426
-12	70.1698	28	8.71983	68	1.76647	108	0.49989
-11	66.0898	29	8.33566	69	1.70547	109	0.486
-10	62.2756	30	7.97078	70	1.64691	110	0.47256
-9	58.7079	31	7.62411	71	1.59068	111	0.45957
-8	56.3694	32	7.29464	72	1.53668	112	0.44699
-7	52.2438	33	6.98142	73	1.48481	113	0.43482
-6	49.3161	34	6.68355	74	1.43498	114	0.42304
-5	46.5725	35	6.40021	75	1.38703	115	0.41164
-4	44	36	6.13059	76	1.34105	116	0.4006
-3	41.5878	37	5.87359	77	1.29078	117	0.38991
-2	39.8239	38	5.62961	78	1.25423	118	0.37956
-1	37.1988	39	5.39689	79	1.2133	119	0.36954
0	35.2024	40	5.17519	80	1.17393	120	0.35982
1	33.3269	41	4.96392	81	1.13604	121	0.35042
2	31.5635	42	4.76253	82	1.09958	122	0.3413
3	29.9058	43	4.5705	83	1.06448	123	0.33246
4	28.3459	44	4.38736	84	1.03069	124	0.3239
5	26.8778	45	4.21263	85	0.99815	125	0.31559
6	25.4954	46	4.04589	86	0.96681	126	0.30754
7	24.1932	47	3.88673	87	0.93662	127	0.29974
8	22.5662	48	3.73476	88	0.90753	128	0.29216
9	21.8094	49	3.58962	89	0.8795	129	0.28482
10	20.7184	50	3.45097	90	0.85248	130	0.2777
11	19.6891	51	3.31847	91	0.82643	131	0.27078
12	18.7177	52	3.19183	92	0.80132	132	0.26408
13	17.8005	53	3.07075	93	0.77709	133	0.25757
14	16.9341	54	2.95896	94	0.75373	134	0.25125
15	16.1156	55	2.84421	95	0.73119	135	0.24512
16	15.3418	56	2.73823	96	0.70944	136	0.23916
17	14.6181	57	2.63682	97	0.68844	137	0.23338
18	13.918	58	2.53973	98	0.66818	138	0.22776
19	13.2631	59	2.44677	99	0.64862	139	0.22231

下表适用于除数码压缩机外的美的所有变频压缩机的排气温度(包括 20 或 30HP 数码涡旋中定速压缩机的排气温度阻值)

单位: °C--K

排气温度传感器表

-20	542.7	20	68.66	60	13.59	100	3.702
-19	511.9	21	65.62	61	13.11	101	3.595
-18	483	22	62.73	62	12.65	102	3.492
-17	455.9	23	59.98	63	12.21	103	3.392
-16	430.5	24	57.37	64	11.79	104	3.296
-15	406.7	25	54.89	65	11.38	105	3.203
-14	384.3	26	52.53	66	10.99	106	3.113
-13	363.3	27	50.28	67	10.61	107	3.025
-12	343.6	28	48.14	68	10.25	108	2.941
-11	325.1	29	46.11	69	9.902	109	2.86
-10	307.7	30	44.17	70	9.569	110	2.781
-9	291.3	31	42.33	71	9.248	111	2.704
-8	275.9	32	40.57	72	8.94	112	2.63
-7	261.4	33	38.89	73	8.643	113	2.559
-6	247.8	34	37.3	74	8.358	114	2.489
-5	234.9	35	35.78	75	8.084	115	2.422
-4	222.8	36	34.32	76	7.82	116	2.357
-3	211.4	37	32.94	77	7.566	117	2.294
-2	200.7	38	31.62	78	7.321	118	2.233
-1	190.5	39	30.36	79	7.086	119	2.174
0	180.9	40	29.15	80	6.859	120	2.117
1	171.9	41	28	81	6.641	121	2.061
2	163.3	42	26.9	82	6.43	122	2.007
3	155.2	43	25.86	83	6.228	123	1.955
4	147.6	44	24.85	84	6.033	124	1.905
5	140.4	45	23.89	85	5.844	125	1.856
6	133.5	46	22.89	86	5.663	126	1.808
7	127.1	47	22.1	87	5.488	127	1.762
8	121	48	21.26	88	5.32	128	1.717
9	115.2	49	20.46	89	5.157	129	1.674
10	109.8	50	19.69	90	5	130	1.632
11	104.6	51	18.96	91	4.849		
12	99.69	52	18.26	92	4.703		
13	95.05	53	17.58	93	4.562		
14	90.66	54	16.94	94	4.426		
15	86.49	55	16.32	95	4.294	B(25/50)=3950K+-%	
16	82.54	56	15.73	96	4.167		
17	78.79	57	15.16	97	4.045	R(90 °C)=5K Ω +-3%	
18	75.24	58	14.62	98	3.927		
19	71.86	59	14.09	99	3.812		

下表只适用于数码压缩机的排气温度（部分机型已取消）

数码排气温度阻值表：（表中 Ratio 中数值乘以 86K 后即为实际的阻值）

Temp.	Ratio	Temp.	Ratio	Temp.	Ratio
-40 °C	33.60000	-1 °C	3.43670	38 °C	0.57740
-39 °C	31.44900	0 °C	3.26540	39 °C	0.55460
-38 °C	29.45200	1 °C	3.10300	40 °C	0.53270
-37 °C	27.59700	2 °C	2.94980	41 °C	0.51170
-36 °C	25.87300	3 °C	2.80520	42 °C	0.49180
-35 °C	24.27000	4 °C	2.66860	43 °C	0.47270
-34 °C	22.76100	5 °C	2.53960	44 °C	0.45440
-33 °C	21.35700	6 °C	2.41710	45 °C	0.43700
-32 °C	20.05100	7 °C	2.30130	46 °C	0.42030
-31 °C	18.83400	8 °C	2.19180	47 °C	0.40420
-30 °C	17.70000	9 °C	2.08830	48 °C	0.38890
-29 °C	16.63420	10 °C	1.99030	49 °C	0.37430
-28 °C	15.64040	11 °C	1.89720	50 °C	0.36030
-27 °C	14.71340	12 °C	1.80900	51 °C	0.34690
-26 °C	13.84820	13 °C	1.72550	52 °C	0.33400
-25 °C	13.04020	14 °C	1.64640	53 °C	0.32170
-24 °C	12.28070	15 °C	1.57140	54 °C	0.30990
-23 °C	11.57100	16 °C	1.50000	55 °C	0.29860
-22 °C	10.90750	17 °C	1.43230	56 °C	0.28780
-21 °C	10.28680	18 °C	1.36810	57 °C	0.27740
-20 °C	9.70600	19 °C	1.30710	58 °C	0.26750
-19 °C	9.15880	20 °C	1.24930	59 °C	0.25790
-18 °C	8.64630	21 °C	1.19420	60 °C	0.24880
-17 °C	8.16620	22 °C	1.14180	61 °C	0.24000
-16 °C	7.71620	23 °C	1.09210	62 °C	0.23150
-15 °C	7.29400	24 °C	1.04490	63 °C	0.22350
-14 °C	6.89570	25 °C	1.00000	64 °C	0.21570
-13 °C	6.52190	26 °C	0.95710	65 °C	0.20830
-12 °C	6.17110	27 °C	0.91640	66 °C	0.20110
-11 °C	5.84150	28 °C	0.87760	67 °C	0.19430
-10 °C	5.53190	29 °C	0.84070	68 °C	0.18760
-9 °C	5.23920	30 °C	0.80560	69 °C	0.18130
-8 °C	4.96400	31 °C	0.77200	70 °C	0.17520
-7 °C	4.70520	32 °C	0.74010	71 °C	0.16930
-6 °C	4.46170	33 °C	0.70960	72 °C	0.16370
-5 °C	4.23240	34 °C	0.68060	73 °C	0.15820
-4 °C	4.01530	35 °C	0.65300	74 °C	0.15300
-3 °C	3.81090	36 °C	0.62660	75 °C	0.14800
-2 °C	3.61820	37 °C	0.60140	76 °C	0.14310
Temp.	Ratio	Temp.	Ratio	Temp.	Ratio

77 °C	0.13850	116 °C	0.04372	155 °C	0.01620
78 °C	0.13400	117 °C	0.04248	156 °C	0.01584
79 °C	0.12970	118 °C	0.04128	157 °C	0.01549
80 °C	0.12550	119 °C	0.04012	158 °C	0.01515
81 °C	0.12150	120 °C	0.03900	159 °C	0.01482
82 °C	0.11770	121 °C	0.03793	160 °C	0.01450
83 °C	0.11400	122 °C	0.03690	161 °C	0.01418
84 °C	0.11040	123 °C	0.03590	162 °C	0.01388
85 °C	0.10700	124 °C	0.03494	163 °C	0.01358
86 °C	0.10370	125 °C	0.03400	164 °C	0.01328
87 °C	0.10050	126 °C	0.03315	165 °C	0.01300
88 °C	0.09740	127 °C	0.03233	166 °C	0.01275
89 °C	0.09440	128 °C	0.03153	167 °C	0.01250
90 °C	0.09150	129 °C	0.03075	168 °C	0.01226
91 °C	0.08885	130 °C	0.03000	169 °C	0.01203
92 °C	0.08610	131 °C	0.02926	170 °C	0.01180
93 °C	0.08355	132 °C	0.02854	171 °C	0.01157
94 °C	0.08108	133 °C	0.02784	172 °C	0.01134
95 °C	0.07870	134 °C	0.02716	173 °C	0.01112
96 °C	0.07641	135 °C	0.02650	174 °C	0.01091
97 °C	0.07420	136 °C	0.02586	175 °C	0.01070
98 °C	0.07206	137 °C	0.02525	176 °C	0.01049
99 °C	0.07000	138 °C	0.02465	177 °C	0.01029
100 °C	0.06800	139 °C	0.02407	178 °C	0.01009
101 °C	0.06612	140 °C	0.02350	179 °C	0.00989
102 °C	0.06430	141 °C	0.02295	180 °C	0.00970
103 °C	0.06255	142 °C	0.02242	181 °C	0.00949
104 °C	0.06085	143 °C	0.02190	182 °C	0.00928
105 °C	0.05920	144 °C	0.02139	183 °C	0.00908
106 °C	0.05760	145 °C	0.02090	184 °C	0.00889
107 °C	0.05605	146 °C	0.02039	185 °C	0.00870
108 °C	0.05456	147 °C	0.01990	186 °C	0.00853
109 °C	0.05310	148 °C	0.01942	187 °C	0.00837
110 °C	0.05170	149 °C	0.01895	188 °C	0.00821
111 °C	0.05027	150 °C	0.01850	189 °C	0.00805
112 °C	0.04889	151 °C	0.01801	190 °C	0.00790
113 °C	0.04755	152 °C	0.01754		
114 °C	0.04625	153 °C	0.01708		
115 °C	0.04500	154 °C	0.01663		

贴片感温头温度阻值表（目前用在 KJR-04B 和 KJR-07B 上，用于感受室温）

-40 °C	2848	2 °C	291.9	44 °C	45.61
-39 °C	2688	3 °C	277.8	45 °C	43.87
-38 °C	2539	4 °C	264.5	46 °C	42.2
-37 °C	2397	5 °C	251.9	47 °C	40.6
-36 °C	2265	6 °C	240	48 °C	39.08
-35 °C	2139	7 °C	228.7	49 °C	37.61
-34 °C	2022	8 °C	218	50 °C	36.21
-33 °C	1910	9 °C	207.8	51 °C	34.87
-32 °C	1806	10 °C	198.2	52 °C	33.59
-31 °C	1707	11 °C	189	53 °C	32.36
-30 °C	1614	12 °C	180.3	54 °C	31.18
-29 °C	1526	13 °C	172.1	55 °C	30.05
-28 °C	1444	14 °C	164.3	56 °C	28.96
-27 °C	1365	15 °C	156.8	57 °C	27.93
-26 °C	1292	16 °C	149.8	58 °C	26.93
-25 °C	1222	17 °C	143.1	59 °C	25.97
-24 °C	1157	18 °C	136.7	60 °C	25.06
-23 °C	1095	19 °C	130.6	61 °C	24.18
-22 °C	1037	20 °C	124.9	62 °C	23.33
-21 °C	981.5	21 °C	119.4	63 °C	22.52
-20 °C	929.5	22 °C	114.2	64 °C	21.74
-19 °C	878.9	23 °C	109.2	65 °C	20.99
-18 °C	831.4	24 °C	104.5	66 °C	20.27
-17 °C	786.7	25 °C	100	67 °C	19.58
-16 °C	744.7	26 °C	95.74	68 °C	18.92
-15 °C	705	27 °C	91.69	69 °C	18.28
-14 °C	667.8	28 °C	87.83	70 °C	17.67
-13 °C	632.8	29 °C	84.15	71 °C	17.08
-12 °C	599.7	30 °C	80.65	72 °C	16.51
-11 °C	568.5	31 °C	77.31	73 °C	15.97
-10 °C	539.2	32 °C	74.13	74 °C	15.44
-9 °C	511.5	33 °C	71.1	75 °C	14.94
-8 °C	485.3	34 °C	68.21	76 °C	14.45
-7 °C	460.7	35 °C	65.45	77 °C	13.98
-6 °C	437.4	36 °C	62.82	78 °C	13.53
-5 °C	415.4	37 °C	60.31	79 °C	13.1
-4 °C	394.7	38 °C	57.91	80 °C	12.68
-3 °C	375.1	39 °C	55.62		
-2 °C	356.5	40 °C	53.43		
-1 °C	339	41 °C	51.34		
0 °C	322.4	42 °C	49.35		
1 °C	306.7	43 °C	47.44		