

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

2DL3R78K0-TFD

COPELAMETIC® HCFC-22
 DISCUS® COMPRESSOR
 TFD 380/420-3-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-10(3.5)	-5(4.2)	0(5)	5(5.8)	7(6.2)	10(6.8)	12(7.2)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	60 (24) C	9750	12250	15300	18800	20400	22900	24700
	P	5100	5550	6050	6500	6650	6900	7000
	A	11.8	12.6	13.3	14.1	14.3	14.7	15
	M	67.5	83.5	103	125	135	151	162
	E	1.9	2.2	2.5	2.9	3.1	3.3	3.5
	%	69.8	71.5	72.9	73.8	74	74.2	74.3
	55 (22) C	10550	13250	16400	20200	21900	24600	26500
	P	4910	5350	5750	6150	6250	6450	6550
	A	11.5	12.2	12.9	13.5	13.7	14	14.2
	M	70	86.5	106	129	139	154	166
E	2.1	2.5	2.9	3.3	3.5	3.8	4	
%	70.1	71.8	73	73.7	73.8	73.9	73.9	
50 (19) C	11350	14200	17600	21600	23400	26200	28200	
P	4710	5100	5450	5750	5850	5950	6050	
A	11.2	11.8	12.4	12.8	13	13.2	13.4	
M	72	89	109	132	142	158	169	
E	2.4	2.8	3.2	3.8	4	4.4	4.7	
%	70.3	71.8	72.9	73.3	73.4	73.3	73.1	
45 (17) C	12150	15200	18800	23000	24800	27800	29900	
P	4490	4810	5100	5350	5400	5450	5500	
A	10.9	11.4	11.8	12.2	12.3	12.4	12.4	
M	74	91.5	111.5	135	145	161	173	
E	2.7	3.2	3.7	4.3	4.6	5.1	5.5	
%	70.3	71.7	72.5	72.7	72.7	72.4	72	
40 (15) C	13000	16200	20000	24400	26300	29400	31500	
P	4260	4520	4730	4880	4910	4920	4900	
A	10.5	10.9	11.2	11.4	11.5	11.5	11.5	
M	76.5	94	114.5	138	148	164	176	
E	3.1	3.6	4.2	5	5.4	6	6.5	
%	70.1	71.3	71.9	71.8	71.6	71	70.5	
35 (14) C	13850	17200	21200	25800	27800	31000	33500	
P	4000	4200	4340	4400	4390	4350	4290	
A	10.1	10.4	10.6	10.7	10.7	10.6	10.5	
M	78.5	96	117	141	151	168	179	
E	3.5	4.1	4.9	5.9	6.3	7.1	7.8	
%	69.7	70.7	71	70.5	70	69	68.2	
30 (12) C	14750	18300	22400	27200	29300	32500	35000	
P	3720	3860	3920	3890	3850	3740	3630	
A	9.7	9.9	10	9.9	9.9	9.7	9.6	
M	80.5	98.5	119.5	144	154	171	182	
E	4	4.7	5.7	7	7.6	8.7	9.6	
%	69.1	69.8	69.6	68.5	67.7	66.2	64.8	
25 (10) C	15600	19400	23700	28700	31000	34500	37000	
P	3420	3490	3470	3350	3270	3090	2950	
A	9.2	9.4	9.3	9.2	9	8.8	8.6	
M	82.5	101	122.5	147	157	174	185	
E	4.6	5.5	6.8	8.6	9.4	11.1	12.5	
%	68.2	68.5	67.7	65.6	64.2	61.6	59.2	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

C:Capacity(Watts), P:Power(W), A:Current(Amps), M:Mass Flow(g/s), E:COP(W/W), %:Isentropic Efficiency(%)