

### Rating Conditions

11.1 K Superheat  
 8.3 K Subcooling  
 35 °C Ambient Air Over  
 50 Hz Operation

### AIR CONDITIONING

### CRPQ-045E-TFD

COPELAWELD® HFC-407C - Dew Pt.  
 COMPRESSOR  
 TFD 380/420-3-50

Condensing Temperature °C  
 (Sat. Dew Pt. Pressure, bar)      Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (2.1)	-15.0 (2.6)	-10.0 (3.2)	-5.0 (3.9)	0.0 (4.6)	5.0 (5.5)	7.0 (5.8)	10.0 (6.4)	12.0 (6.9)
65.0 (28.4)	C				6,150	8,150	10,400	11,350	12,850	13,950
	P				3,580	4,140	4,650	4,830	5,100	5,250
	A				7.3	8.3	9.3	9.6	10.1	10.4
	M				45.8	59.4	74.5	80.5	90.5	97
	E				1.7	2.0	2.2	2.4	2.5	2.7
60.0 (25.3)	%				67.1	68.2	68.4	68.3	68.0	67.7
	C				6,850	8,950	11,300	12,350	13,950	15,000
	P				3,560	4,060	4,500	4,650	4,860	4,990
	A				7.3	8.2	9.0	9.3	9.7	9.9
	M				47.8	61.3	76	82	92	98.5
55.0 (22.5)	E				1.9	2.2	2.5	2.7	2.9	3.0
	%				66.2	67.1	67.1	67.0	66.6	66.3
	C			5,700	7,650	9,850	12,300	13,350	15,000	16,200
	P			3,030	3,520	3,950	4,320	4,440	4,610	4,710
	A			6.4	7.3	8.0	8.7	8.9	9.2	9.4
50.0 (19.9)	M				37.9	50.1	63.5	78	84	93.5
	E				1.9	2.2	2.5	2.9	3.0	3.3
	%				64.0	65.6	66.2	66.1	65.9	65.4
	C		4,600	6,400	8,450	10,750	13,300	14,400	16,200	17,400
	P		2,540	3,020	3,450	3,810	4,110	4,210	4,330	4,400
45.0 (17.5)	A				5.7	6.4	7.2	7.8	8.3	8.7
	M				29.4	40.3	52.4	65.5	80	86
	E				1.8	2.1	2.5	2.8	3.2	3.4
	%				61.5	63.9	65.1	65.4	65.0	64.7
	C		5,250	7,100	9,250	11,650	14,350	15,500	17,400	18,600
40.0 (15.4)	P		2,560	2,980	3,340	3,640	3,870	3,940	4,030	4,070
	A				5.7	6.4	7.0	7.5	8.0	8.2
	M				31.9	42.7	54.6	67.5	82	88
	E				2.0	2.4	2.8	3.2	3.7	3.9
	%				62.0	63.7	64.5	64.5	63.8	63.3
C	4,160	5,900	7,850	10,050	12,600	15,400	16,600	18,500	19,900	
35.0 (13.5)	P	2,140	2,550	2,910	3,200	3,440	3,610	3,650	3,700	3,710
	A	5.1	5.7	6.3	6.8	7.2	7.4	7.5	7.6	7.6
	M	24.7	34.3	44.9	56.7	70	84	90.5	100	107
	E	2.0	2.3	2.7	3.1	3.7	4.3	4.6	5.0	5.4
	%	59.5	62.1	63.3	63.7	63.3	62.3	61.6	60.4	59.4
C	4,750	6,500	8,550	10,850	13,500	16,400	17,700	19,700	21,100	
30.0 (11.8)	P	2,150	2,500	2,800	3,040	3,210	3,310	3,330	3,340	3,320
	A	5.1	5.7	6.1	6.5	6.8	6.9	7.0	7.0	7.0
	M	26.8	36.3	46.9	58.7	71.5	86	92.5	102	109
	E	2.2	2.6	3.1	3.6	4.2	5.0	5.3	5.9	6.4
	%	59.8	61.7	62.5	62.6	61.8	60.3	59.4	57.7	56.3
C	5,250	7,100	9,250	11,650	14,350	17,400	18,800	20,900	22,300	
30.0 (11.8)	P	2,130	2,430	2,660	2,840	2,950	2,990	2,990	2,950	2,910
	A	5.1	5.5	5.9	6.2	6.4	6.4	6.4	6.3	6.3
	M	28.6	38	48.5	60.3	73.5	88	94	104	111
	E	2.5	2.9	3.5	4.1	4.9	5.8	6.3	7.1	7.7
	%	59.3	60.7	61.3	61.0	59.8	57.5	56.3	53.9	52.0

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

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