



# CR41K Q-PFT

Refrigerant: **R 22**

**50 Hz**

Air Over: 35°C

Suction Superheat: 11.1K

Liquid Subcooling: 8.3K

		Refrigeration Capacity kW					Evaporating Temperature °C			
		-20	-15	-10	-5	0	5	7	10	12.5
Condensing Temp. °C	30	3.46	4.83	6.53	8.53	10.81	13.30	14.39	16.03	17.46
	35	3.11	4.37	5.98	7.88	10.05	12.48	13.51	15.09	16.50
	40	2.76	3.93	5.42	7.22	9.30	11.61	12.60	14.14	15.48
	45	.	3.49	4.89	6.59	8.56	10.75	11.72	13.19	14.47
	50	.	.	4.37	5.95	7.79	9.90	10.81	12.22	13.45
	55	.	.	3.87	5.33	7.06	9.05	9.90	11.25	12.42
	60	.	.	.	4.75	6.36	8.20	9.02	10.28	11.40
	65	.	.	.	.	5.65	7.38	8.15	9.35	10.40

### COP

		-20	-15	-10	-5	0	5	7	10	12.5
30	1.93	2.44	3.01	3.66	4.40	5.22	5.58	6.16	6.69	
35	1.71	2.13	2.64	3.22	3.85	4.56	4.86	5.35	5.81	
40	1.51	1.88	2.32	2.82	3.37	3.98	4.24	4.65	5.03	
45	.	1.66	2.05	2.48	2.95	3.47	3.71	4.06	4.37	
50	.	.	1.80	2.17	2.58	3.04	3.23	3.53	3.80	
55	.	.	1.58	1.90	2.26	2.65	2.81	3.07	3.30	
60	.	.	.	1.67	1.97	2.30	2.45	2.66	2.86	
65	.	.	.	.	1.71	2.00	2.12	2.31	2.48	

### Power kW

		-20	-15	-10	-5	0	5	7	10	12.5
30	1.79	1.98	2.17	2.33	2.46	2.55	2.58	2.60	2.61	
35	1.82	2.05	2.26	2.45	2.61	2.74	2.78	2.82	2.84	
40	1.82	2.09	2.34	2.56	2.76	2.92	2.97	3.04	3.08	
45	.	2.10	2.39	2.66	2.90	3.10	3.16	3.25	3.31	
50	.	.	2.43	2.74	3.02	3.26	3.35	3.46	3.54	
55	.	.	2.45	2.81	3.13	3.42	3.52	3.66	3.77	
60	.	.	.	2.85	3.23	3.57	3.69	3.86	3.99	
65	.	.	.	.	3.31	3.70	3.84	4.05	4.20	

### Current at 220V A

		-20	-15	-10	-5	0	5	7	10	12.5
30	12.63	13.07	13.56	14.04	14.46	14.79	14.89	14.98	15.00	
35	12.69	13.26	13.86	14.46	15.00	15.44	15.57	15.73	15.81	
40	12.66	13.37	14.11	14.85	15.52	16.09	16.28	16.52	16.66	
45	.	13.40	14.30	15.20	16.03	16.75	17.00	17.32	17.54	
50	.	.	14.42	15.49	16.50	17.40	17.72	18.15	18.45	
55	.	.	14.45	15.73	16.93	18.03	18.42	18.97	19.36	
60	.	.	.	15.88	17.31	18.62	19.11	19.78	20.28	
65	.	.	.	.	17.63	19.18	19.76	20.57	21.19	

### Refrigerant Mass Flow g/s

		-20	-15	-10	-5	0	5	7	10	12.5
30	19.41	26.75	35.71	46.10	57.73	70.40	75.72	83.94	90.96	
35	18.00	25.07	33.81	44.04	55.57	68.19	73.51	81.73	88.78	
40	16.60	23.36	31.85	41.89	53.27	65.81	71.10	79.31	86.37	
45	.	21.64	29.84	39.64	50.85	63.26	68.53	76.70	83.75	
50	.	.	27.80	37.33	48.32	60.58	65.80	73.91	80.93	
55	.	.	25.75	34.97	45.71	57.77	62.92	70.97	77.93	
60	.	.	.	32.57	43.02	54.86	59.93	67.87	74.77	
65	.	.	.	.	40.29	51.85	56.83	64.65	71.46	

Nominal Performance Values (±5%) based on minimum 24 hours run-in. Subject to change without notice.



# CR41KQE -PFT

Refrigerant: **R 407C**

50 Hz

Mid-Point Data

Suction Superheat: 11.1K

Liquid Subcooling: 8.3K

Air Over: 35°C

	Refrigeration Capacity kW					Evaporating Temperature °C				
	-20	-15	-10	-5	0	5	7	10	12.5	
30	3.47	4.95	6.68	8.70	11.10	13.86	15.12	17.11	18.90	
35	2.96	4.37	6.04	7.97	10.23	12.89	14.09	16.00	17.73	
40	2.49	3.81	5.37	7.19	9.34	11.87	13.00	14.83	16.49	
45	.	3.28	4.74	6.45	8.44	10.84	11.90	13.62	15.21	
50	.	.	4.13	5.68	7.56	9.79	10.78	12.42	13.89	
55	.	.	3.57	4.98	6.68	8.73	9.64	11.16	12.54	
60	.	.	.	4.31	5.83	7.68	8.53	9.93	11.19	
65	.	.	.	.	5.01	6.65	7.41	8.67	9.84	

	COP								
	-20	-15	-10	-5	0	5	7	10	12.5
30	1.99	2.53	3.12	3.78	4.55	5.41	5.79	6.36	6.87
35	1.71	2.20	2.74	3.32	3.96	4.71	5.02	5.52	5.93
40	1.47	1.91	2.39	2.90	3.46	4.08	4.35	4.77	5.14
45	.	1.66	2.08	2.53	3.01	3.55	3.78	4.14	4.46
50	.	.	1.81	2.19	2.62	3.09	3.29	3.60	3.87
55	.	.	1.58	1.91	2.26	2.67	2.84	3.11	3.34
60	.	.	.	1.66	1.96	2.30	2.45	2.68	2.88
65	.	.	.	.	1.69	1.97	2.09	2.29	2.47

	Power kW								
	-20	-15	-10	-5	0	5	7	10	12.5
30	1.74	1.96	2.14	2.30	2.44	2.56	2.61	2.69	2.75
35	1.73	1.98	2.20	2.40	2.58	2.74	2.81	2.90	2.99
40	1.70	1.99	2.25	2.48	2.70	2.91	2.99	3.11	3.21
45	.	1.98	2.28	2.55	2.80	3.05	3.15	3.29	3.41
50	.	.	2.28	2.59	2.89	3.17	3.28	3.45	3.59
55	.	.	2.26	2.61	2.95	3.27	3.40	3.59	3.75
60	.	.	.	2.60	2.97	3.34	3.48	3.70	3.88
65	.	.	.	.	2.97	3.38	3.54	3.78	3.98

	Current at 220V A								
	-20	-15	-10	-5	0	5	7	10	12.5
30	12.81	13.30	13.79	14.25	14.68	15.08	15.23	15.43	15.59
35	12.75	13.34	13.94	14.53	15.11	15.67	15.89	16.20	16.46
40	12.66	13.35	14.06	14.77	15.50	16.22	16.50	16.93	17.28
45	.	13.32	14.13	14.97	15.84	16.71	17.07	17.60	18.04
50	.	.	14.14	15.11	16.11	17.14	17.56	18.19	18.73
55	.	.	14.09	15.16	16.30	17.48	17.96	18.70	19.32
60	.	.	.	15.13	16.39	17.72	18.27	19.10	19.81
65	.	.	.	.	16.38	17.85	18.45	19.39	20.18

	Refrigerant Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12.5
30	18.86	26.47	35.09	44.96	56.34	69.50	75.32	84.68	93.12
35	16.85	24.43	33.01	42.85	54.22	67.35	73.17	82.53	90.96
40	14.91	22.37	30.84	40.58	51.85	64.89	70.67	79.98	88.37
45	.	20.34	28.63	38.19	49.28	62.16	67.87	77.08	85.39
50	.	.	26.40	35.70	46.54	59.18	64.79	73.86	82.05
55	.	.	24.19	33.16	43.68	55.99	61.47	70.36	78.39
60	.	.	.	30.60	40.72	52.63	57.96	66.61	74.45
65	.	.	.	.	37.70	49.14	54.28	62.65	70.26

Nominal Performance Values (±5%) based on minimum 24 hours run-in. Subject to change without notice.