

Rating Conditions

18.3 °C Return Gas
 0 K Subcooling
 95 °C Ambient Air Over

50 Hz Operation

HIGH TEMPERATURE

CR38K6E-TFD

COPELAWELD® HFC-404A
 COMPRESSOR
 TFD 380/420-3-50

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

		-18.0(3.2)	-14.0(3.7)	-13.0(3.9)	-12.0(4)	-11.0(4.2)	-8.0(4.6)	-6.0(4.9)	-2.0(5.6)
55.0 (25.7)	C	1,620	2,300	2,480	2,660	2,850	3,430	3,850	4,760
	P	1,420	1,740	1,820	1,895	1,970	2,190	2,330	2,590
	A	3.6	4.0	4.1	4.2	4.2	4.5	4.7	5.0
	M	15.9	22.7	24.5	26.3	28.2	34.3	38.7	48.6
	E	1.1	1.3	1.4	1.4	1.4	1.6	1.7	1.8
	%	56.7	59.9	60.4	60.9	61.2	62.1	62.6	63.4
50.0 (23)	C	2,100	2,880	3,090	3,300	3,520	4,190	4,670	5,720
	P	1,530	1,820	1,890	1,960	2,030	2,220	2,340	2,570
	A	3.7	4.0	4.1	4.2	4.3	4.5	4.7	5.0
	M	19	26.1	28	30	32	38.4	43	53.3
	E	1.4	1.6	1.6	1.7	1.7	1.9	2.0	2.2
	%	59.1	62.1	62.6	63.0	63.3	64.1	64.5	65.0
45.0 (20.4)	C	2,590	3,470	3,700	3,930	4,180	4,940	5,490	6,660
	P	1,595	1,860	1,920	1,980	2,040	2,210	2,310	2,500
	A	3.8	4.1	4.1	4.2	4.3	4.5	4.6	4.9
	M	21.6	29.1	31.1	33.1	35.2	41.9	46.7	57.3
	E	1.6	1.9	1.9	2.0	2.1	2.2	2.4	2.7
	%	60.6	63.4	63.9	64.3	64.6	65.3	65.6	66.0
41.0 (18.6)	C	2,980	3,940	4,190	4,440	4,710	5,540	6,130	7,410
	P	1,625	1,865	1,920	1,975	2,030	2,170	2,260	2,420
	A	3.8	4.1	4.1	4.2	4.3	4.4	4.6	4.8
	M	23.4	31.2	33.3	35.4	37.6	44.4	49.4	60.2
	E	1.8	2.1	2.2	2.3	2.3	2.6	2.7	3.1
	%	61.3	64.1	64.5	64.9	65.2	65.9	66.1	66.4
36.0 (16.5)	C	3,490	4,530	4,810	5,090	5,380	6,290	6,940	8,340
	P	1,635	1,840	1,890	1,935	1,980	2,100	2,180	2,300
	A	3.8	4.0	4.1	4.2	4.2	4.4	4.5	4.6
	M	25.7	33.7	35.9	38	40.3	47.3	52.4	63.6
	E	2.1	2.5	2.6	2.6	2.7	3.0	3.2	3.6
	%	62.1	64.7	65.1	65.4	65.7	66.2	66.4	66.4
31.0 (14.5)	C	4,030	5,160	5,450	5,760	6,070	7,060	7,770	9,290
	P	1,615	1,795	1,835	1,875	1,910	2,010	2,060	2,140
	A	3.8	4.0	4.0	4.1	4.1	4.2	4.3	4.4
	M	27.8	36.1	38.3	40.6	42.8	50.1	55.3	66.6
	E	2.5	2.9	3.0	3.1	3.2	3.5	3.8	4.3
	%	62.7	65.0	65.3	65.5	65.7	66.1	66.1	65.8
26.0 (12.7)	C	4,600	5,810	6,130	6,460	6,790	7,860	8,610	10,250
	P	1,585	1,735	1,765	1,795	1,825	1,895	1,930	1,975
	A	3.8	3.9	4.0	4.0	4.0	4.1	4.2	4.2
	M	30.2	38.6	40.9	43.1	45.5	52.8	58.1	69.6
	E	2.9	3.4	3.5	3.6	3.7	4.2	4.5	5.2
	%	63.2	65.0	65.2	65.3	65.4	65.4	65.2	64.4
21.0 (11.1)	C	5,220	6,500	6,840	7,190	7,550	8,680	9,490	11,250
	P	1,540	1,660	1,685	1,705	1,725	1,770	1,790	1,795
	A	3.7	3.8	3.9	3.9	3.9	4.0	4.0	4.0
	M	32.7	41.3	43.6	45.9	48.2	55.7	61	72.6
	E	3.4	3.9	4.1	4.2	4.4	4.9	5.3	6.3
	%	63.4	64.5	64.6	64.6	64.5	64.0	63.5	61.8

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