



SOLSTICE® 454C (R-454C)

Technical Bulletin

Product: Solstice® 454C

Bulletin#: 1

Application: Solstice® 454C (R-454C) offers fossil free heating with a below 150 GWP refrigerant.



SOLSTICE 454C P-T CHART		
PRESSURE (KPA)	LIQUID (BUBBLE) TEMPERATURE (°C)	VAPOUR (DEW) TEMPERATURE (°C)
100	-45.84	-38.03
150	-36.89	-29.05
200	-30.04	-22.18
250	-24.4	-16.54
300	-19.57	-11.72
350	-15.32	-7.48
400	-11.51	-3.69
450	-8.04	-0.24
500	-4.85	2.92
550	-1.89	5.85
600	0.88	8.59
650	3.48	11.15
700	5.94	13.57
750	8.26	15.87
800	10.48	18.04
850	12.6	20.12
900	14.62	22.11
950	16.57	24.01
1000	18.44	25.84
1050	20.25	27.6
1100	21.99	29.29
1150	23.67	30.93
1200	25.31	32.52
1250	26.89	34.05
1300	28.43	35.54
1350	29.93	36.99
1400	31.38	38.39
1450	32.8	39.76
1500	34.18	41.09
1550	35.54	42.39
1600	36.85	43.65
1650	38.14	44.89
1700	39.41	46.09
1750	40.64	47.27
1800	41.85	48.42
1850	43.04	49.55
1900	44.2	50.66
1950	45.34	51.74
2000	46.46	52.79
2050	47.56	53.83
2100	48.64	54.85
2150	49.71	55.85
2200	50.75	56.83
2250	51.78	57.79

SOLSTICE 454C P-T CHART		
PRESSURE (KPA)	LIQUID (BUBBLE) TEMPERATURE (°C)	VAPOUR (DEW) TEMPERATURE (°C)
2300	52.79	58.73
2350	53.79	59.66
2400	54.77	60.57
2450	55.73	61.47
2500	56.69	62.35
2550	57.63	63.22
2600	58.55	64.07
2650	59.47	64.91
2700	60.37	65.73
2750	61.26	66.54
2800	62.13	67.34
2850	63	68.13
2900	63.86	68.9
2950	64.7	69.67
3000	65.54	70.42
3050	66.37	71.16
3100	67.18	71.88
3150	67.99	72.6
3200	68.79	73.31
3250	69.58	74
3300	70.36	74.68
3350	71.14	75.36
3400	71.9	76.02
3450	72.66	76.67
3500	73.42	77.32
3550	74.16	77.95
3600	74.9	78.57
3650	75.63	79.18
3700	76.36	79.78
3750	77.08	80.37
3800	77.79	80.94
3850	78.51	81.51
3900	79.21	82.06
3950	79.92	82.6
4000	80.62	83.13
4050	81.32	83.64
4100	82.02	84.13
4150	82.73	84.59
4200	83.45	85.03
4250	84.19	85.41
4300	85.02	85.69

