



Commissioning Checklist:

- Vacuum pulled below 500 microns
- Vacuum hold test passed
- Nitrogen purge used during brazing
- Service valves fully open
- Refrigerant charge weighed in
- Superheat verified
- Subcooling verified
- Airflow verified
- Pressures recorded

R32- Refrigerant Charging Calculations

DHVAC-3T - Factory Charge 8lbs - 15ft Lineset - Add .7oz per foot

DHVAC-5T - Factory Charge 11lbs - 15ft Lineset - Add 1.35oz per foot

DHVAC-10T - Factory Charge 18lbs - 15ft Lineset - Add 2oz per foot

Field Reference Targets (Grow Room 75°F / 55% RH)

Typical R32 grow room operation:

Suction: 118–145 PSI

Head Pressure: 360–450 PSI

Evap Saturation: ~45–52°F

Condensing Temp: ~95–105°F

TriCleanAir – R32 Pressure-Temperature (PT) Chart (PSIG)

Low Zone (<300)	Normal (300–450)	High (>450)
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LOW SIDE (20–75°F)

HIGH SIDE (75–140°F)

Sat Temp (°F)	Pressure (PSIG)	Sat Temp (°F)	Pressure (PSIG)
20	14	75	161
25	26	80	190
30	37	85	223
35	46	90	262
40	55	95	308
45	65	100	360
50	75	105	420
55	87	110	488
60	101	115	564
65	117	120	650
70	137	125	746
75	161	130	853

R32 SUPERHEAT CHART

Legend

LOW	TARGET	HIGH
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Target 10°F

Outdoor DB ↓ / Indoor WB →	55	60	65	70	75	80	85	90	95	100	105
55	3	8	13	18	23	28	33	38	43	48	53
60	2	8	12	18	22	28	32	38	42	48	52
65	2	7	12	17	22	27	32	37	42	47	52
70	2	6	12	16	22	26	32	36	42	46	52
75	1	6	11	16	21	26	31	36	41	46	51
80	0	6	10	16	20	26	30	36	40	46	50
85	0	5	10	15	20	25	30	35	40	45	50
90	0	4	10	14	20	24	30	34	40	44	50
95	-1	4	9	14	19	24	29	34	39	44	49
100	-2	4	8	14	18	24	28	34	38	44	48
105	-2	3	8	13	18	23	28	33	38	43	48

R32 SUBCOOLING CHART

Legend

LOW	TARGET	HIGH
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Target 9°F

Outdoor DB ↓ / Indoor DB →	55	60	65	70	75	80	85	90	95	100	105
55	8	7	7	6	6	5	5	4	4	3	3
60	8	8	7	6	6	6	5	4	4	4	3
65	8	8	7	7	6	6	5	5	4	4	3
70	9	8	8	7	7	6	6	5	5	4	4
75	9	9	8	8	7	7	6	6	5	5	4
80	10	9	9	8	8	7	7	6	6	5	5
85	10	10	9	8	8	8	7	6	6	6	5
90	10	10	9	9	8	8	7	7	6	6	5
95	11	10	10	9	9	8	8	7	7	6	6
100	11	11	10	10	9	9	8	8	7	7	6
105	12	11	11	10	10	9	9	8	8	7	7

Cultivated Solutions For Optimal Growth

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