

COOLING PRESSURE TABLE

For optimum performance, system charge should be weighed in according to Unit Rating Plate. System performance may be verified by referencing the data below that is based on 80db/67wb degree F return air.

Checking Pressure

1. To read liquid pressure attach high side pressure hose of gage to liquid service port.
2. To read suction pressure attach low side pressure hose of gage to suction service port.
3. Cover compressor access opening. Allow unit to stabilize before taking pressure readings.

80 DB/67 WB DEG. F RETURN AIR		AIR TEMPERATURE ENTERING OUTDOOR COIL, DEG F											
COOLING INPUT (1000 BTU)	PRESSURE	65°	70°	75°	80°	82°	85°	90°	95°	100°	105°	110°	115°
24	SUCTION	130	134	138	141	143	145	147	151	153	154	155	156
30		130	133	136	139	140	141	144	145	148	150	152	153
36		131	134	136	139	140	141	144	145	148	150	152	153
42		139	140	141	143	143	144	146	147	150	152	153	154
48		140	141	143	144	145	146	147	148	150	151	152	153
60		133	134	135	136	136	137	139	140	142	143	145	146
24	LIQUID	236	255	275	294	302	316	341	362	388	408	440	466
30		254	274	294	314	322	337	363	383	412	435	466	491
36		260	281	303	324	333	348	374	394	423	446	478	505
42		238	259	280	302	310	324	347	367	393	413	445	472
48		248	268	289	309	317	332	357	380	406	427	462	491
60		245	265	284	304	312	327	352	373	401	423	454	479

HEATING PRESSURE TABLE

70 DEG. F RETURN AIR		AIR TEMPERATURE ENTERING OUTDOOR COIL, DEG. F												
COOLING INPUT (1000 BTU)	PRESSURE	0°	5°	10°	17°	20°	25°	30°	35°	40°	47°	50°	55°	60°
24	SUCTION	33	41	49	60	65	73	81	89	97	108	113	121	129
30		31	38	45	55	59	66	74	81	88	98	102	109	117
36		34	41	48	58	62	69	77	84	91	101	105	112	120
42		34	42	49	60	65	72	80	88	95	106	111	118	126
48		34	41	48	58	62	69	77	84	91	101	105	112	120
60		30	37	44	54	58	65	73	80	87	97	101	108	116
24	LIQUID	249	256	263	272	276	283	289	296	303	312	316	323	329
30		246	253	260	270	274	281	288	295	302	312	316	323	330
36		258	265	272	281	285	292	298	305	312	321	325	332	338
42		259	266	274	284	288	296	303	310	318	328	332	340	347
48		258	266	274	285	290	298	306	314	322	333	338	346	354
60		272	281	290	302	307	316	325	334	343	355	360	369	378

