16 SEER HEAT PUMP CHARGING PROCEDURES

1- UNITS ARE FACTORY CHARGED WITH R410A FOR 15 FEET OF LINE SET, AS MARKED ON THE NAMEPLATE.

2- ADD OR REMOVE 0.6 OZ FOR EVERY FOOT OF LINE SET DIFFERENT THAN 15 FEET.

3- CHECK FOR PROPER AIR FLOW AND RUN THE SYSTEM FOR 20-30 MINUTES BEFORE ADJUSTING CHARGE.

4- CHARGE THE SYSTEM BY WEIGHT IF AMBIENT TEMPERATURE IS BELOW 65°F.

5- CHARGE BY WEIGHT AND/OR FOLLOW THE VARIOUS METHODS LISTED BELOW IF AMBIENT TEMPERATURE IS ABOVE 65°F.

MODELS	24	36	48	60
TABLE 1 - SUBCOOLING METHOD (TXV SYSTEM) ± 1 °F				
OUTDOOR TEMP (°F)	*LIQUID LINE SATURATION TEMPERATURE MINUS LIQUID LINE TEMPERATURE*			
95	8	3	9(5 W/BCE4)	8(6 W/BCE4)
TABLE 2 - APPROACH METHOD (TXV SYSTEM) ± 1 °F				
	LIQUID LINE TEMPERATURE MINUS OUTDOOR AMBIEMT TEMPERATURE			
TEMP (°F)	8	7	8	8
TABLE 3 - COOLING OPERATING PRESSURES (FOR REFERENCE)				
OUTDOOR TEMP (°F)	LOW CAPACITY HIGH / LOW PRESSURES (PSI)			
65	232/146	200/135	235/144	225/138
75	264/148	250/138	268/145	264/141
85	307/149	270/140	310/147	305/142
95	353/151	300/142	356/148	352/146
105	403/153	350/145	407/150	405/148
115	460/155	400/148	466/152	459/150
	HIGH / LOW PRESSURES (PSI)			
65	240/143	230/130	244/140	241/134
75	279/145	270/135	283/141	280/136
85	322/147	320/138	326/144	324/137
95	371/149	350/140	374/147	373/138
105	423/151	420/142	427/148	425/142
115	485/154	480/145	491/151	486/146
TABLE 4 - HEATING OPERATING PRESSURES (FOR REFERENCE)				
OUTDOOR TEMP (°F)	LOW CAPACITY HIGH / LOW PRESSURE(PSI)			
40	337/93	330/100	369/75	351/63
50	322/117	335/120	366/114	335/92
	HIGH CAPACITY HIGH / LOW PRESSURE (PSI)			
20	279/62	295/60	311/58	308/59
30	288/76	310/75	334/72	323/70
40	302/93	320/90	354/89	318/69
50	306/112	335/115	381/108	329/82

ALL MEASUREMENTS ARE AT THE SERVICE VALVES AND ARE BASED ON 80db/67wb INDOOR TEMPERATURE. SUBCOOLING AND APPROACH VALUES ARE AT HIGH CAPACITY STAGE.