

MODEL 225B
PREFERRED™ SERIES 15 HEAT PUMP
WITH PURON® REFRIGERANT
1-1/2 TO 5 NOMINAL TONS



Heating Check Chart


HEAT PUMP CHARGING INSTRUCTIONS																
For use with units using R-410A refrigerant																
FIELD OPERATING PRESSURE CHARGING TABLE FIXED RESTRICTOR (HIGH PRESSURE @ VAPOR VALVE, SUCTION PRESSURE @ SUCTION SERVICE PORT)										REQUIRED LIQUID LINE TEMPERATURE						
UNIT	INDOOR DRY BULB	OUTDOOR TEMP. °F DRY BULB/WET BULB								Liquid Pressure at Service Valve (PSIG)	Required Subcooling Temperature (°F)					
		60/57	50/47	40/38	30/28	20/18	10/9	0/-1	6		8	10	12	14	16	
018	60°	HIGH	302	292	281	264	246	234	221							
		SUCT	107	100	93	80	66	56	45							
	70°	HIGH	350	336	321	301	281	268	254							
		SUCT	114	105	95	81	67	56	45							
	80°	HIGH	401	382	362	342	321	305	289							
		SUCT	118	107	95	82	68	57	45							
024	60°	HIGH	376	346	315	286	256	240	224							
		SUCT	128	114	99	84	68	55	42							
	70°	HIGH	421	386	350	321	291	275	259							
		SUCT	133	116	99	84	69	56	43							
	80°	HIGH	468	428	387	360	333	316	298							
		SUCT	136	118	99	85	70	58	45							
030	60°	HIGH	288	278	268	251	234	222	210							
		SUCT	103	97	90	78	65	54	43							
	70°	HIGH	329	317	304	287	270	257	244							
		SUCT	109	101	93	80	67	55	43							
	80°	HIGH	376	360	344	326	308	292	276							
		SUCT	114	104	94	81	67	56	45							
036	60°	HIGH	292	284	275	260	244	233	221							
		SUCT	89	85	80	71	62	52	41							
	70°	HIGH	340	331	322	303	284	269	254							
		SUCT	97	92	87	77	66	54	42							
	80°	HIGH	393	382	370	347	323	306	289							
		SUCT	104	99	93	80	66	55	43							
042	60°	HIGH	338	315	292	270	248	233	218							
		SUCT	116	103	90	76	61	49	37							
	70°	HIGH	383	357	331	306	280	266	251							
		SUCT	120	106	92	77	62	50	38							
	80°	HIGH	431	401	370	344	318	301	284							
		SUCT	124	109	93	78	62	51	39							
048	60°	HIGH	334	310	285	265	244	232	219							
		SUCT	114	100	85	72	59	49	38							
	70°	HIGH	381	353	325	303	281	267	252							
		SUCT	119	104	88	74	60	50	39							
	80°	HIGH	424	394	364	343	321	305	288							
		SUCT	122	106	90	76	61	51	40							
060	60°	HIGH	348	322	295	272	249	235	220							
		SUCT	119	104	89	75	60	49	38							
	70°	HIGH	385	359	333	310	287	270	252							
		SUCT	121	106	90	76	61	50	38							
	80°	HIGH	431	400	369	348	326	308	290							
		SUCT	124	108	92	77	62	51	40							
* If PressureGuard™ kit is installed, it will not allow pressures to stabilize at these conditions. To check the charge at these ambients operate in cooling or lower the indoor dry bulb temperature.																
<div>⚠ CAUTION</div> <div>1. Compressor damage may occur if system is over-charged. 2. Carefully recover refrigerant from this unit before final disposal or when servicing. 3. Never vent refrigerant to atmosphere. Use approved recovery equipment.</div>																
<div>OPERATION</div> <div>To check system operation during Heating or Cooling cycle use the appropriate table. Table indicates whether a correct relationship exists between system operating pressure and air temperature entering indoor and outdoor units. If pressure and temperature do not match on chart, system refrigerant charge may not be correct or other system abnormalities may exist. Do not use table to adjust refrigerant charge. When charging is necessary during heating season, weigh in total charge as indicated on unit rating plate. Rating plate charge is for systems with 15 ft. of line-set. Adjust charge 0.6 oz of refrigerant per foot of 3/8" liquid connecting tubing. Remove any refrigerant remaining in system before recharging if the system has lost complete charge, evacuate and recharge by weight.</div>																
<div> 337778-101 REV. A</div>																

Fig. 1 – 225B 1-1/2 - 5 Tons

