



HPHWW Series Water to Water Technical Specification Operating Pressure

Cooling Mode

Cooling Mode Operating Pressure (PSIG)

R-22 UNIT						
ENTERING LOAD/EVAP TEMP. °F.	ENTERING SOURCE CONDENSER TEMPERATURE DEG. °F					
	75°F		85°F		95°F	
	SUCTION PRESSURE	DISCHARGE PRESSURE	SUCTION PRESSURE	DISCHARGE PRESSURE	SUCTION PRESSURE	DISCHARGE PRESSURE
65	55-65	175-195	60-70	200-220	60-70	230-250
55	50-60	160-190	50-60	185-215	55-65	230-250
45	40-50	160-190	40-50	180-210	45-44	220-240

R410 UNITS - FULL LOAD						
ENTERING LOAD/EVAP TEMP. °F.	ENTERING SOURCE CONDENSER TEMPERATURE DEG. °F					
	75°F		85°F		95°F	
	SUCTION PRESSURE	DISCHARGE PRESSURE	SUCTION PRESSURE	DISCHARGE PRESSURE	SUCTION PRESSURE	DISCHARGE PRESSURE
65	99-116	290-320	107-123	325-358	107-123	370-400
55	91-107	265-311	91-107	303-350	99-116	370-400
45	96-91	265-311	76-91	295-345	83-99	358-390

Heating Mode

Heating Mode operating Pressures (PSIG)

R-22 UNITS			
ENTERING LOAD DEG. °F	ENTERING SOURCE	SUCTION PRESSURE	DISCHARGE PRESSURE
70°	40	35-45	155-175
	60	55-65	165-185
	80	75-85	175-195
90°	40	40-50	215-235
	60	55-65	220-240
	80	75-95	230-250
110°	40	40-50	280-300
	60	55-65	290-310
	80	80-95	300-320

R410A UNITS - FULL LOAD			
ENTERING LOAD DEG. °F	ENTERING SOURCE	SUCTION PRESSURE	DISCHARGE PRESSURE
70°	40	68-83	255-290
	60	99-116	270-305
	80	130-145	290-325
90°	40	76-91	350-380
	60	99-116	358-390
	80	130-165	370-400
110°	40	76-91	455-480
	60	99-116	470-500
	80	139-165	480-575

NOTE:

Above rating are based on water flow rates stated in specification sheets.

Cooling Mode 2.4 GPM/ton on evaporator side and 10°F Δ T on condensor side

Heating mode conditions are 2.4 GPM/ton on the source side and 10°F Δ T on the load side.

The values are typical and may vary between models.