

DIFFUSER PANEL (AR-D) PERFORMANCE PERIMETER HEATING OUTPUT BTUH / LF

TABLE PERFORMANCE VALUES FROM CERTIFIED CURVES.

FOR DIFFUSER PANEL WITH 1-1/2" SLOT							
PANEL WIDTH							
ASSEMBLY WIDTH	HEF-A 12"	HEF-A 16" **	HEF-A 18" **	HEF-A 20"	HEF-A 22"	HEF-A 24"	
MEAN WATER TEMPERATURE DEG. F.	120	77	116	118	124	136	148
	125	90	132	137	144	158	173
	130	103	148	156	163	180	197
	135	117	164	175	185	202	220
	140	130	181	194	208	227	246
	145	143	197	213	231	252	270
	150	156	214	232	252	273	295
	155	169	231	251	275	298	320
	160	182	248	270	298	320	343
	165	196	265	290	320	343	367
	170	210	282	309	342	367	392
	175	223	299	328	364	390	416
	180	236	316	348	387	413	440
	185	249	333	367	412	438	465
	190	262	350	386	435	462	489
	195	276	367	407	457	485	514
	200	289	384	428	480	508	538
	205	302	401	449	502	532	562
210	315	419	470	525	556	587	
215	329	437	491	548	580	611	
220	332	455	512	570	602	635	

TOTAL CERTIFIED OUTPUT SHOWN IS PER LINEAL FOOT OF PANEL AT THE PERIMETER OF THE SPACE. OUTPUT IS BASED ON 70°F AIR TEMPERATURE; 67°F AVERAGE UNHEATED SURFACE TEMPERATURE (A.U.S.T.) WITH ONE INCH OF THREE-QUARTER PCF FIBERGLASS BATT INSULATION ON TOP OF THE PANEL AND NATURAL CONVECTION. ACTUAL OUTPUT WITH MINIMUM VENTILATION SIGNIFICANTLY INCREASES PANEL OUTPUT.

*FOR PERFORMANCE WHEN AIR IS BEING SUPPLIED THROUGH DIFFUSER. USE MULTIPLIER IN TABLE BELOW.

** DIFFUSER SLOT NOT CENTERED IN PANEL

* DELIVERED AIR TEMPERATURE MUST BE BELOW ROOM TEMPERATURE.
IF AIR IS DELIVERED THRU 25% OF TOTAL SLOT LENGTH, MULTIPLIER IS 1.20
IF AIR IS DELIVERED THRU 50% OF TOTAL SLOT LENGTH, MULTIPLIER IS 1.25
IF AIR IS DELIVERED THRU 75% OF TOTAL SLOT LENGTH, MULTIPLIER IS 1.30
IF AIR IS DELIVERED THRU 100% OF TOTAL SLOT LENGTH, MULTIPLIER IS 1.35