

DETERMINING WATTAGE REQUIREMENTS FOR ENCLOSURE HEATERS

TEMPERATURE RISE FROM MINIMUM EXPECTED AMBIENT TEMPERATURE TO DESIRED ENCLOSURE TEMPERATURE (°F)															
Enclosure Surface Area—Square Feet	20		40		60		80		100		120		140		
	50	670	160	1340	320	2010	480	2680	640	3350	800	4020	960	4690	1120
	40	540	130	1075	260	1610	385	2145	515	2680	640	3220	770	3755	900
	30	405	100	805	195	1210	290	1610	385	2010	480	2415	580	2815	675
	25	335	80	670	160	1005	240	1340	320	1675	400	2010	480	2345	560
	20	270	65	540	130	805	195	1075	260	1340	320	1610	385	1880	450
	15	205	50	405	100	605	145	805	195	1005	240	1210	290	1410	340
	10	135	35	270	65	405	100	540	130	670	160	805	195	940	225
	9	120	30	245	60	365	90	485	115	605	145	725	175	845	205
	7.5	100	25	200	50	300	75	400	100	500	125	600	150	700	175
	6	80	20	160	40	245	60	325	80	405	100	485	115	565	135
	5	70	20	135	35	205	50	270	65	335	80	405	100	470	115
	4	55	15	110	30	160	55	215	55	270	65	320	80	375	90
	3	40	10	80	20	120	30	160	40	200	50	240	60	280	70
	2	30	10	55	15	90	20	110	30	135	35	165	40	190	45

Required wattage — Double above values in areas with extreme wind factors.
 uninsulated cabinet
 insulated cabinet

Match above values from chart to a standard Enclosure Heater. Use multiple heaters where necessary.