

Power dissipation values

According to EN 62208, IEC 62208 and IEC 60890

What is acceptable according to EN 62208, IEC 62208 and IEC 60890

- ❖ For common electrical applications, a temperature rise of 50K is generally accepted. If the rise is above 50K, a larger enclosure should be chosen. More volume results in a decrease of the temperature rise.
- ❖ The absolute temperature in °C in the enclosure is the sum of the ambient temperature in °C and the temperature rise in K. According to the standards, the absolute temperature is max. 70°C.

FIBOX CAB SL

Ambient temperature Tamb 35 °C

1. Rear installed against the wall
2. Front, right and upperside free
3. Front and upperside free
4. Frontside free and upperside not free

Size	Max wattage [W]				Size	Max wattage [W]			
	1.	2.	3.	4.		1.	2.	3.	4.
300x200x150	27	25	22	19	600x600x250	127	119	111	98
200x300x150	26	25	23	19	600x600x300	140	131	122	105
300x300x150	35	32	30	26	600x600x400	164	153	140	118
300x300x210	43	39	36	30	800x600x210	149	140	132	120
300x300x250	48	44	40	32	800x600x250	161	150	140	127
400x300x150	44	41	38	34	800x600x300	176	163	150	135
400x300x210	53	48	44	39	800x600x400	205	189	172	150
400x300x250	58	53	48	41	1000x600x250	194	181	168	155
500x300x210	63	58	52	47	1000x600x300	211	196	180	164
300x400x150	43	41	39	4	1000x600x400	246	225	205	183
300x400x210	52	48	45	38	1200x600x250	228	212	197	183
300x400x250	57	53	49	40	1200x600x300	247	228	210	193
400x400x150	54	51	48	43	1200x600x400	286	262	236	215
400x400x210	63	60	56	48	600x800x250	158	150	142	124
400x400x250	70	65	60	51	600x800x300	172	163	154	132
400x400x300	79	73	66	56	800x800x210	185	177	168	153
500x400x210	76	70	65	57	800x800x250	199	189	179	161
500x400x250	84	78	71	62	800x800x300	215	203	190	168
500x400x300	93	85	78	66	800x800x400	249	232	215	186
600x400x210	88	82	75	67	1000x800x250	240	227	214	196
600x400x250	97	89	82	73	1000x800x300	259	243	228	206
600x400x300	107	98	88	78	1000x800x400	297	276	255	225
800x400x210	113	104	95	87	1200x800x250	280	264	249	231
800x400x250	123	113	102	93	1200x800x300	302	282	264	242
800x400x300	136	123	111	100	1200x800x400	344	319	294	265
1000x400x250	149	136	123	114					
1000x400x300	164	149	133	122					
500x500x210	89	83	78	69					
500x500x300	107	100	92	79					
600x500x210	102	96	89	80					
600x500x250	113	105	97	85					
600x500x300	123	114	105	92					
700x500x250	127	118	109	97					
400x600x210	85	82	78	66					
400x600x250	95	89	84	70					
400x600x300	104	98	92	75					
500x600x300	122	114	106	91					
600x600x210	118	111	105	93					