



Circulation Heaters

Standard (Non-Stock) Circulation Heaters

23 watts/in² (3.6 watts/cm²) — Typical Applications: Lightweight Oils • Degreasing Solutions • Heat Transfer Oils

- * Steel Screw Plug and Steel 150-lb Flanged Heater Sizes
- * Steel Tank

- * Steel Sheath Heating Elements
- * NEMA 1 Terminal Housing

Nominal Pipe Size	Dimensional Drawing Number	KW	Part Number					Approximate Net Weight	
			120V	240V-1Ph (C*)	240V-3Ph (C*)	480V-1Ph (C*)	480V-3Ph (C*)	lbs	kg
1¼" NPT 2 elements	1.1	1.5	CHF01186	CHF01187 (1)	—	—	—	14	6
	1.2	2	CHF01188	CHF01189 (1)	—	—	—	18	8
2½" NPT 3 elements	2.1	3	—	CHF01190 (1)	CHF01191 (1)	CHF01192 (1)	CHF01193 (1)	28	13
	2.1	4.5	—	CHF01194 (1)	CHF01195 (1)	CHF01196 (1)	CHF01197 (1)	29	13
	2.2	6	—	CHF01198 (1)	CHF01199 (1)	CHF01200 (1)	CHF01201 (1)	37	17
	2.3	7.5	—	CHF01202 (1)	CHF01203 (1)	CHF01204 (1)	CHF01205 (1)	45	20
	2.3	9	—	CHF01206 (1)	CHF01207 (1)	CHF01208 (1)	CHF01209 (1)	46	21
3" — 150lb 3 elements	3.1	3	—	CHF01210 (1)	CHF01211 (1)	CHF01212 (1)	CHF01213 (1)	53	24
	3.1	4.5	—	CHF01214 (1)	CHF01215 (1)	CHF01216 (1)	CHF01217 (1)	54	24
	3.2	6	—	CHF01218 (1)	CHF01219 (1)	CHF01220 (1)	CHF01221 (1)	62	28
	3.3	7.5	—	CHF01222 (1)	CHF01223 (1)	CHF01224 (1)	CHF01225 (1)	74	34
	3.3	9	—	CHF01226 (1)	CHF01227 (1)	CHF01228 (1)	CHF01229 (1)	76	34
4" — 150lb 6 elements	4.1	6	—	CHF01230 (1)	CHF01231 (1)	CHF01232 (1)	CHF01233 (1)	78	35
	4.1	9	—	CHF01234 (1)	CHF01235 (1)	CHF01236 (1)	CHF01237 (1)	91	41
	4.2	12	—	CHF01238 (2)	CHF01239 (1)	CHF01240 (1)	CHF01241 (1)	94	43
	4.3	15	—	CHF01242 (2)	CHF01243 (1)	CHF01244 (1)	CHF01245 (1)	117	53
	4.3	18	—	CHF01246 (2)	CHF01247 (1)	CHF01248 (1)	CHF01249 (1)	120	54
	4.4	25	—	—	CHF01250 (2)	CHF01251 (2)	CHF01252 (1)	147	67
	4.4	30	—	—	CHF01253 (2)	CHF01254 (2)	CHF01255 (1)	151	68
5" — 150lb 6 elements	5.2	12	—	CHF01256 (2)	CHF01257 (1)	CHF01258 (1)	CHF01259 (1)	126	57
	5.2	15	—	CHF01260 (2)	CHF01261 (1)	CHF01262 (1)	CHF01263 (1)	128	58
	5.3	18	—	CHF01264 (2)	CHF01265 (1)	CHF01266 (1)	CHF01267 (1)	146	66
	5.3	20	—	CHF01268 (2)	CHF01269 (1)	CHF01270 (1)	CHF01271 (1)	147	67
	5.4	25	—	—	CHF01272 (2)	CHF01273 (2)	CHF01274 (1)	172	78
	5.5	30	—	—	CHF01275 (2)	CHF01276 (2)	CHF01277 (1)	192	87
5" — 150lb 9 elements	5.2	18	—	CHF01278 (3)	CHF01279 (1)	CHF01280 (1)	CHF01281 (1)	132	60
	5.2	23	—	CHF01282 (3)	CHF01283 (3)	CHF01284 (1)	CHF01285 (1)	135	61
	5.3	27	—	CHF01286 (3)	CHF01287 (3)	CHF01288 (3)	CHF01289 (1)	154	70
	5.4	38	—	—	CHF01290 (3)	CHF01291 (3)	CHF01292 (1)	183	83
	5.5	45	—	—	CHF01293 (3)	CHF01294 (3)	CHF01295 (3)	205	93
6" — 150lb 12 elements	6.1	12	—	CHF01296 (1)	CHF01297 (1)	CHF01298 (1)	CHF01299 (1)	127	58
	6.2	18	—	CHF01300 (2)	CHF01301 (1)	CHF01302 (1)	CHF01303 (1)	152	69
	6.2	24	—	CHF01304 (2)	CHF01305 (2)	CHF01306 (1)	CHF01307 (1)	157	71
	6.3	30	—	CHF01308 (2)	CHF01309 (2)	CHF01310 (2)	CHF01311 (1)	197	89
	6.3	36	—	CHF01312 (3)	CHF01313 (2)	CHF01314 (2)	CHF01315 (1)	202	92
	6.4	50	—	—	CHF01316 (4)	CHF01317 (3)	CHF01318 (2)	249	113
6" — 150lb 15 elements	6.4	60	—	—	CHF01319 (4)	CHF01320 (3)	CHF01321 (2)	257	117
	6.1	15	—	CHF01322 (3)	CHF01323 (1)	CHF01324 (1)	CHF01325 (1)	130	59
	6.2	23	—	CHF01326 (3)	CHF01327 (5)	CHF01328 (1)	CHF01329 (1)	156	71
	6.2	30	—	CHF01330 (3)	CHF01331 (5)	CHF01332 (3)	CHF01333 (1)	163	74
	6.3	38	—	CHF01334 (5)	CHF01335 (5)	CHF01336 (3)	CHF01337 (1)	204	93
	6.3	45	—	CHF01338 (5)	CHF01339 (5)	CHF01340 (3)	CHF01341 (5)	211	96
	6.4	63	—	—	CHF01342 (5)	CHF01343 (3)	CHF01344 (5)	260	118
	6.4	75	—	—	CHF01345 (5)	CHF01346 (5)	CHF01347 (5)	270	122
	8.2	30	—	CHF01348 (3)	CHF01349 (2)	CHF01350 (2)	CHF01351 (1)	241	109
	8.3	40	—	—	CHF01352 (2)	CHF01353 (2)	CHF01354 (1)	272	123
8" — 150lb 18 elements	8.4	50	—	—	CHF01355 (3)	CHF01356 (3)	CHF01357 (2)	300	136
	8.5	60	—	—	CHF01358 (3)	CHF01359 (3)	CHF01360 (2)	334	151
	8.6	70	—	—	CHF01361 (6)	CHF01362 (3)	CHF01363 (2)	367	166
	8.7	80	—	—	CHF01364 (6)	—	CHF01365 (2)	402	182
	8.2	40	—	CHF01366 (4)	CHF01367 (2)	CHF01368 (2)	CHF01369 (1)	253	115
8" — 150lb 24 elements	8.3	53	—	—	CHF01370 (4)	CHF01371 (3)	CHF01372 (2)	287	130
	8.4	67	—	—	CHF01373 (4)	CHF01374 (3)	CHF01375 (2)	318	144
	8.5	80	—	—	CHF01376 (4)	CHF01377 (4)	CHF01378 (2)	356	161
	8.6	93	—	—	CHF01379 (8)	CHF01380 (6)	CHF01381 (4)	392	178
	8.7	107	—	—	CHF01382 (8)	—	CHF01383 (4)	428	194

(C*) = Number of Branch Circuits per heater

NOTE: Nominal Pipe Size 8" and larger are 20 watts/in² (3.1 watts/cm²)

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