



Circulation Heaters

Standard (Non-Stock) Circulation Heaters

60 watts/in² (9.3 watts/cm²) — Typical Applications: Clean Water

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

- * Copper 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 | 3 | CHF01859 | CHF01860 (1) | — | — | — | 14 | 6 |
| | 1.1 | 4 | — | CHF01861 (1) | — | — | — | 14 | 6 |
| | 1.2 | 5 | — | CHF01862 (1) | — | — | — | 17 | 8 |
| | 1.2 | 6 | — | CHF01863 (1) | — | — | — | 18 | 8 |
| 2½" NPT 3 elements | 2.1 | 6 | — | CHF01864 (1) | CHF01865 (1) | CHF01866 (1) | CHF01867 (1) | 26 | 12 |
| | 2.1 | 7.5 | — | CHF01868 (1) | CHF01869 (1) | CHF01870 (1) | CHF01871 (1) | 26 | 12 |
| | 2.1 | 9 | — | CHF01872 (1) | CHF01873 (1) | CHF01874 (1) | CHF01875 (1) | 27 | 12 |
| | 2.2 | 12 | — | — | CHF01877 (1) | CHF01878 (1) | CHF01879 (1) | 34 | 15 |
| | 2.2 | 15 | — | — | CHF01881 (1) | CHF01882 (1) | CHF01883 (1) | 35 | 16 |
| | 2.3 | 18 | — | — | CHF01885 (1) | CHF01886 (1) | CHF01887 (1) | 43 | 20 |
| 3"-150lb 3 elements | 3.1 | 6 | — | CHF01888 (1) | CHF01889 (1) | CHF01890 (1) | CHF01891 (1) | 52 | 24 |
| | 3.1 | 9 | — | CHF01892 (1) | CHF01893 (1) | CHF01894 (1) | CHF01895 (1) | 53 | 24 |
| | 3.2 | 12 | — | — | CHF01896 (1) | CHF01897 (1) | CHF01898 (1) | 61 | 28 |
| | 3.2 | 15 | — | — | CHF01899 (1) | CHF01900 (1) | CHF01901 (1) | 67 | 30 |
| | 3.3 | 18 | — | — | CHF01902 (1) | CHF01903 (1) | CHF01904 (1) | 74 | 34 |
| 4"-150lb 6 elements | 4.1 | 12 | — | CHF01905 (2) | CHF01906 (1) | CHF01907 (1) | CHF01908 (1) | 77 | 35 |
| | 4.1 | 18 | — | CHF01909 (2) | CHF01910 (1) | CHF01911 (1) | CHF01912 (1) | 79 | 36 |
| | 4.2 | 24 | — | CHF01913 (2) | CHF01914 (2) | CHF01915 (2) | CHF01916 (1) | 92 | 42 |
| | 4.2 | 30 | — | — | CHF01917 (2) | CHF01918 (2) | CHF01919 (1) | 94 | 43 |
| | 4.3 | 36 | — | — | CHF01920 (2) | CHF01921 (2) | CHF01922 (1) | 117 | 53 |
| | 4.3 | 50 | — | — | — | — | CHF01923 (2) | 121 | 55 |
| | 4.4 | 60 | — | — | — | — | CHF01924 (2) | 145 | 66 |
| 5"-150lb 6 elements | 5.1 | 24 | — | CHF01925 (2) | CHF01926 (2) | CHF01927 (2) | CHF01928 (1) | 115 | 52 |
| | 5.1 | 30 | — | — | CHF01929 (2) | CHF01930 (2) | CHF01931 (1) | 117 | 53 |
| | 5.2 | 36 | — | — | CHF01932 (2) | CHF01933 (2) | CHF01934 (1) | 128 | 58 |
| | 5.3 | 50 | — | — | — | — | CHF01935 (2) | 167 | 76 |
| | 5.4 | 60 | — | — | — | — | CHF01936 (2) | 196 | 89 |
| 5"-150lb 9 elements | 5.1 | 36 | — | — | CHF01937 (3) | CHF01938 (3) | CHF01939 (3) | 120 | 54 |
| | 5.1 | 45 | — | — | CHF01940 (3) | CHF01941 (3) | CHF01942 (3) | 122 | 55 |
| | 5.2 | 54 | — | — | CHF01943 (3) | CHF01944 (3) | CHF01945 (3) | 134 | 61 |
| | 5.3 | 75 | — | — | — | — | CHF01946 (3) | 176 | 80 |
| | 5.4 | 90 | — | — | — | — | CHF01947 (3) | 197 | 89 |
| 6"-150lb 12 elements | 6.1 | 24 | — | CHF01948 (2) | CHF01949 (2) | CHF01950 (2) | CHF01951 (1) | 125 | 57 |
| | 6.1 | 36 | — | CHF01952 (3) | CHF01953 (2) | CHF01954 (2) | CHF01955 (1) | 129 | 59 |
| | 6.2 | 48 | — | — | CHF01956 (4) | CHF01957 (3) | CHF01958 (2) | 153 | 69 |
| | 6.2 | 60 | — | — | CHF01959 (4) | CHF01960 (3) | CHF01961 (2) | 157 | 71 |
| | 6.3 | 72 | — | — | CHF01962 (4) | — | CHF01963 (2) | 196 | 89 |
| | 6.3 | 100 | — | — | — | — | CHF01964 (2) | 204 | 93 |
| | 6.4 | 120 | — | — | — | — | CHF01965 (4) | 246 | 112 |
| 6"-150lb 15 elements | 6.1 | 30 | — | CHF01966 (3) | CHF01967 (5) | CHF01968 (3) | CHF01969 (1) | 128 | 58 |
| | 6.1 | 45 | — | CHF01970 (5) | CHF01971 (5) | CHF01972 (3) | CHF01973 (5) | 133 | 60 |
| | 6.2 | 60 | — | — | CHF01974 (5) | CHF01975 (3) | CHF01976 (5) | 158 | 72 |
| | 6.2 | 75 | — | — | CHF01977 (5) | CHF01978 (5) | CHF01979 (5) | 163 | 74 |
| | 6.3 | 90 | — | — | CHF01980 (5) | — | CHF01981 (5) | 202 | 92 |
| | 6.3 | 125 | — | — | — | — | CHF01982 (5) | 213 | 97 |
| | 6.4 | 150 | — | — | — | — | CHF01983 (5) | 257 | 117 |
| 8"-150lb 18 elements | 8.1 | 50 | — | — | CHF01984 (3) | CHF01985 (3) | CHF01986 (2) | 210 | 95 |
| | 8.2 | 75 | — | — | CHF01987 (6) | — | CHF01988 (2) | 238 | 108 |
| | 8.3 | 100 | — | — | CHF01989 (6) | — | CHF01990 (3) | 266 | 121 |
| | 8.4 | 125 | — | — | CHF01991 (6) | — | CHF01992 (6) | 294 | 133 |
| | 8.5 | 150 | — | — | — | — | CHF01993 (6) | 326 | 148 |
| | 8.6 | 175 | — | — | — | — | CHF01994 (6) | 358 | 162 |
| | 8.7 | 200 | — | — | — | — | CHF01995 (6) | 391 | 177 |

(C*) = Number of Branch Circuits per heater