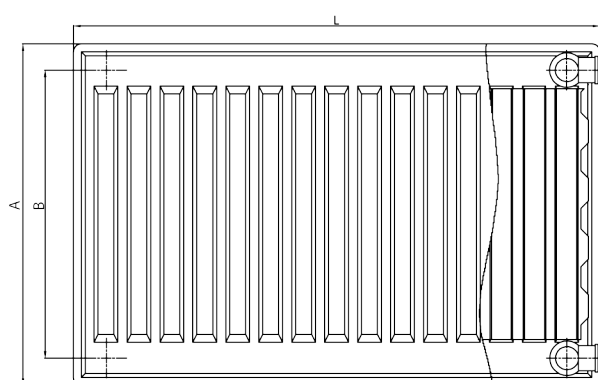


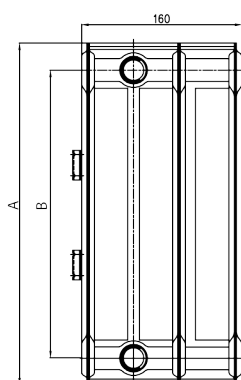
# DONOHUE HEATING SERVICES

## COMPACT DATA SHEETS

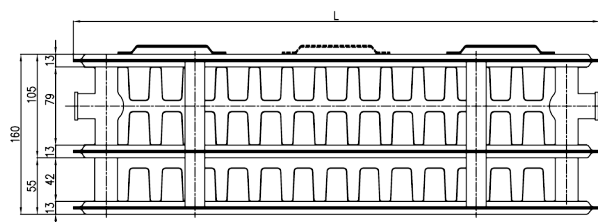
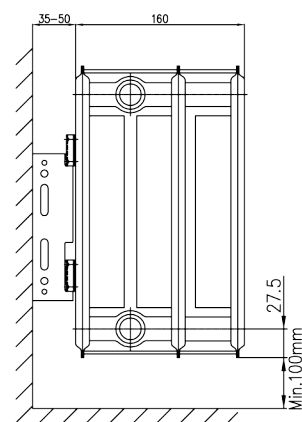
# TYPE 33-DKEK-TRIPLE



Front View



Side View



L=400,.....,3000mm

Top View

| Dimensions (mm) |     | Weight<br>Kg/M | Water Content<br>Lt/M |
|-----------------|-----|----------------|-----------------------|
| A               | B   |                |                       |
| 300             | 245 | 24.30          | 5.00                  |
| 400             | 345 | 30.70          | 6.10                  |
| 500             | 445 | 38.90          | 7.20                  |
| 600             | 545 | 46.00          | 8.30                  |
| 750             | 695 | 63.00          | 9.75                  |
| 900             | 845 | 71.00          | 11.25                 |

Heat output  $\Delta T$  30°C – These outputs indicate radiator performance when using a Geo-Therm appliance (Flow Temperature 55°C / Return Temperature 45°C / Room Temperature 20°C)

Heat output  $\Delta T$  42.5°C – These outputs indicate radiator performance when using a Geo-Therm appliance (Flow Temperature 70°C / Return Temperature 55°C / Room Temperature 20°C)

Heat output  $\Delta T$  50°C – These outputs indicate radiator performance when using a condensing / HE appliance (Flow Temperature 75°C / Return Temperature 65°C / Room Temperature 20°C)

Heat output  $\Delta T$  60°C – These outputs indicate radiator performance when using a non-condensing / SE appliance (Flow Temperature 90°C / Return Temperature 70°C / Room Temperature 20°C)

| TYPE               | A          |          | 300  |        |      | 400  |        |      | 500  |        |      | 600  |        |       | 750  |        |       | 900  |        |       |
|--------------------|------------|----------|------|--------|------|------|--------|------|------|--------|------|------|--------|-------|------|--------|-------|------|--------|-------|
|                    | B          |          | 245  |        |      | 345  |        |      | 445  |        |      | 545  |        |       | 695  |        |       | 845  |        |       |
|                    | $\Delta T$ | °C       | Watt | Kcal/h | BTU  | Watt | Kcal/h | BTU  | Watt | Kcal/h | BTU  | Watt | Kcal/h | BTU   | Watt | Kcal/h | BTU   | Watt | Kcal/h | BTU   |
| 33 - DKEK - TRIPLE | 30         | 55/45/20 | 736  | 634    | 2512 | 935  | 804    | 3189 | 1120 | 963    | 3820 | 1293 | 1113   | 4413  | 1666 | 1434   | 5684  | 1758 | 1513   | 5999  |
|                    | 42.5       | 70/55/20 | 1154 | 993    | 3936 | 1464 | 1260   | 4996 | 1754 | 1510   | 5985 | 2027 | 1744   | 6915  | 1923 | 1655   | 6561  | 2755 | 2371   | 9399  |
|                    | 50         | 75/65/20 | 1431 | 1231   | 4883 | 1816 | 1563   | 6196 | 2176 | 1873   | 7425 | 2514 | 2164   | 8578  | 2984 | 2568   | 10181 | 3417 | 2941   | 11659 |
|                    | 60         | 90/70/20 | 1811 | 1559   | 6179 | 2299 | 1978   | 7844 | 2754 | 2370   | 9397 | 3182 | 2738   | 10857 | 3825 | 3292   | 13051 | 4325 | 3722   | 14757 |

| TYPE<br>33-DKEK |        | HEIGHT   | 300         |      |        | 400         |      |        | 500         |      |        | 600         |      |        | 750         |      |        | 900         |      |        |
|-----------------|--------|----------|-------------|------|--------|-------------|------|--------|-------------|------|--------|-------------|------|--------|-------------|------|--------|-------------|------|--------|
|                 | LENGTH | (*)      | HEAT OUTPUT |      |        | HEAT OUTPUT |      |        | HEAT OUTPUT |      |        | HEAT OUTPUT |      |        | HEAT OUTPUT |      |        | HEAT OUTPUT |      |        |
|                 |        | ΔT       | °C          | Watt | Kcal/h | BTU         | Watt | Kcal/h | BTU         | Watt | Kcal/h | BTU         | Watt | Kcal/h | BTU         | Watt | Kcal/h | BTU         | Watt | Kcal/h |
| 400             | 30     | 55/45/20 | 294         | 253  | 1005   | 374         | 322  | 1275   | 448         | 385  | 1528   | 517         | 445  | 1765   | 666         | 573  | 2274   | 703         | 605  | 2399   |
|                 | 42.5   | 70/55/20 | 461         | 397  | 1574   | 586         | 504  | 1999   | 702         | 604  | 2394   | 811         | 698  | 2766   | 769         | 662  | 2625   | 1102        | 948  | 3760   |
|                 | 50     | 75/65/20 | 572         | 493  | 1953   | 726         | 625  | 2478   | 870         | 749  | 2970   | 1006        | 865  | 3431   | 1194        | 1027 | 4073   | 1367        | 1176 | 4664   |
|                 | 60     | 90/70/20 | 724         | 623  | 2472   | 920         | 791  | 3138   | 1102        | 948  | 3759   | 1273        | 1095 | 4343   | 1530        | 1317 | 5220   | 1730        | 1489 | 5903   |
| 500             | 30     | 55/45/20 | 368         | 317  | 1256   | 467         | 402  | 1594   | 560         | 482  | 1910   | 647         | 557  | 2207   | 833         | 717  | 2842   | 879         | 757  | 2999   |
|                 | 42.5   | 70/55/20 | 577         | 496  | 1968   | 732         | 630  | 2498   | 877         | 755  | 2993   | 1013        | 872  | 3458   | 962         | 827  | 3281   | 1377        | 1185 | 4700   |
|                 | 50     | 75/65/20 | 716         | 616  | 2441   | 908         | 781  | 3098   | 1088        | 936  | 3712   | 1257        | 1082 | 4289   | 1492        | 1284 | 5091   | 1709        | 1470 | 5829   |
|                 | 60     | 90/70/20 | 906         | 779  | 3090   | 1150        | 989  | 3922   | 1377        | 1185 | 4698   | 1591        | 1369 | 5428   | 1913        | 1646 | 6525   | 2163        | 1861 | 7378   |
| 600             | 30     | 55/45/20 | 442         | 380  | 1507   | 561         | 483  | 1913   | 672         | 578  | 2292   | 776         | 668  | 2648   | 1000        | 860  | 3411   | 1055        | 908  | 3599   |
|                 | 42.5   | 70/55/20 | 692         | 596  | 2361   | 879         | 756  | 2998   | 1052        | 906  | 3591   | 1216        | 1047 | 4149   | 1154        | 993  | 3937   | 1653        | 1422 | 5640   |
|                 | 50     | 75/65/20 | 859         | 739  | 2930   | 1090        | 938  | 3718   | 1306        | 1124 | 4455   | 1508        | 1298 | 5147   | 1790        | 1541 | 6109   | 2050        | 1764 | 6995   |
|                 | 60     | 90/70/20 | 1087        | 935  | 3707   | 1379        | 1187 | 4707   | 1652        | 1422 | 5638   | 1909        | 1643 | 6514   | 2295        | 1975 | 7831   | 2595        | 2233 | 8854   |
| 700             | 30     | 55/45/20 | 515         | 443  | 1758   | 654         | 563  | 2232   | 784         | 674  | 2674   | 905         | 779  | 3089   | 1166        | 1004 | 3979   | 1231        | 1059 | 4199   |
|                 | 42.5   | 70/55/20 | 807         | 695  | 2755   | 1025        | 882  | 3497   | 1228        | 1057 | 4190   | 1419        | 1221 | 4841   | 1346        | 1158 | 4593   | 1928        | 1660 | 6580   |
|                 | 50     | 75/65/20 | 1002        | 862  | 3418   | 1271        | 1094 | 4337   | 1523        | 1311 | 5197   | 1760        | 1514 | 6004   | 2089        | 1798 | 7127   | 2392        | 2058 | 8161   |
|                 | 60     | 90/70/20 | 1268        | 1091 | 4325   | 1609        | 1385 | 5491   | 1928        | 1659 | 6578   | 2227        | 1917 | 7600   | 2678        | 2304 | 9136   | 3028        | 2605 | 10330  |
| 800             | 30     | 55/45/20 | 589         | 507  | 2009   | 748         | 643  | 2551   | 896         | 771  | 3056   | 1035        | 891  | 3531   | 1333        | 1147 | 4548   | 1407        | 1210 | 4799   |
|                 | 42.5   | 70/55/20 | 923         | 794  | 3149   | 1171        | 1008 | 3997   | 1403        | 1208 | 4788   | 1621        | 1395 | 5532   | 1538        | 1324 | 5249   | 2204        | 1897 | 7519   |
|                 | 50     | 75/65/20 | 1145        | 985  | 3906   | 1453        | 1250 | 4957   | 1741        | 1498 | 5940   | 2011        | 1731 | 6862   | 2387        | 2054 | 8145   | 2734        | 2352 | 9327   |
|                 | 60     | 90/70/20 | 1449        | 1247 | 4943   | 1839        | 1583 | 6275   | 2203        | 1896 | 7517   | 2546        | 2191 | 8686   | 3060        | 2633 | 10441  | 3460        | 2978 | 11806  |
| 900             | 30     | 55/45/20 | 663         | 570  | 2261   | 841         | 724  | 2870   | 1008        | 867  | 3438   | 1164        | 1002 | 3972   | 1499        | 1290 | 5116   | 1582        | 1362 | 5399   |
|                 | 42.5   | 70/55/20 | 1038        | 893  | 3542   | 1318        | 1134 | 4497   | 1579        | 1359 | 5387   | 1824        | 1570 | 6224   | 1731        | 1489 | 5905   | 2479        | 2134 | 8459   |
|                 | 50     | 75/65/20 | 1288        | 1108 | 4394   | 1634        | 1407 | 5577   | 1958        | 1685 | 6682   | 2263        | 1947 | 7720   | 2686        | 2311 | 9163   | 3075        | 2647 | 10493  |
|                 | 60     | 90/70/20 | 1630        | 1403 | 5561   | 2069        | 1781 | 7060   | 2479        | 2133 | 8457   | 2864        | 2465 | 9771   | 3443        | 2963 | 11746  | 3893        | 3350 | 13281  |
| 1000            | 30     | 55/45/20 | 736         | 634  | 2512   | 935         | 804  | 3189   | 1120        | 963  | 3820   | 1293        | 1113 | 4413   | 1666        | 1434 | 5684   | 1758        | 1513 | 5999   |
|                 | 42.5   | 70/55/20 | 1154        | 993  | 3936   | 1464        | 1260 | 4996   | 1754        | 1510 | 5985   | 2027        | 1744 | 6915   | 1923        | 1655 | 6561   | 2755        | 2371 | 9399   |
|                 | 50     | 75/65/20 | 1431        | 1231 | 4883   | 1816        | 1563 | 6196   | 2176        | 1873 | 7425   | 2514        | 2164 | 8578   | 2984        | 2568 | 10181  | 3417        | 2941 | 11659  |
|                 | 60     | 90/70/20 | 1811        | 1559 | 6179   | 2299        | 1978 | 7844   | 2754        | 2370 | 9397   | 3182        | 2738 | 10857  | 3825        | 3292 | 13051  | 4325        | 3722 | 14757  |
| 1100            | 30     | 55/45/20 | 810         | 697  | 2763   | 1028        | 885  | 3508   | 1231        | 1060 | 4202   | 1423        | 1224 | 4855   | 1833        | 1577 | 6253   | 1934        | 1664 | 6599   |
|                 | 42.5   | 70/55/20 | 1269        | 1092 | 4329   | 1611        | 1386 | 5496   | 1930        | 1661 | 6584   | 2229        | 1919 | 7607   | 2115        | 1820 | 7217   | 3030        | 2608 | 10339  |
|                 | 50     | 75/65/20 | 1574        | 1355 | 5371   | 1998        | 1719 | 6816   | 2394        | 2060 | 8167   | 2765        | 2380 | 9436   | 3282        | 2825 | 11200  | 3759        | 3235 | 12825  |
|                 | 60     | 90/70/20 | 1992        | 1714 | 6797   | 2529        | 2176 | 8629   | 3029        | 2607 | 10336  | 3500        | 3012 | 11943  | 4208        | 3621 | 14356  | 4758        | 4094 | 16233  |
| 1200            | 30     | 55/45/20 | 883         | 760  | 3014   | 1121        | 965  | 3826   | 1343        | 1156 | 4584   | 1552        | 1336 | 5296   | 1999        | 1720 | 6821   | 2110        | 1816 | 7198   |
|                 | 42.5   | 70/55/20 | 1384        | 1191 | 4723   | 1757        | 1512 | 5996   | 2105        | 1812 | 7182   | 2432        | 2093 | 8298   | 2308        | 1986 | 7874   | 3306        | 2845 | 11279  |
|                 | 50     | 75/65/20 | 1717        | 1478 | 5859   | 2179        | 1875 | 7435   | 2611        | 2247 | 8909   | 3017        | 2596 | 10293  | 3581        | 3082 | 12218  | 4100        | 3529 | 13991  |
|                 | 60     | 90/70/20 | 2173        | 1870 | 7415   | 2759        | 2374 | 9413   | 3305        | 2844 | 11276  | 3818        | 3286 | 13028  | 4590        | 3950 | 15661  | 5190        | 4466 | 17708  |
| 1300            | 30     | 55/45/20 | 957         | 824  | 3265   | 1215        | 1046 | 4145   | 1455        | 1252 | 4966   | 1682        | 1447 | 5737   | 2166        | 1864 | 7390   | 2286        | 1967 | 7798   |
|                 | 42.5   | 70/55/20 | 1500        | 1290 | 5116   | 1904        | 1638 | 6495   | 2280        | 1962 | 7781   | 2635        | 2267 | 8990   | 2500        | 2151 | 8530   | 3581        | 3082 | 12219  |
|                 | 50     | 75/65/20 | 1860        | 1601 | 6347   | 2361        | 2032 | 8055   | 2829        | 2434 | 9652   | 3268        | 2813 | 11151  | 3879        | 3338 | 13236  | 4442        | 3823 | 15156  |
|                 | 60     | 90/70/20 | 2354        | 2026 | 8033   | 2989        | 2572 | 10197  | 3580        | 3081 | 12216  | 4137        | 3560 | 14114  | 4973        | 4279 | 16966  | 5623        | 4839 | 19184  |
| 1400            | 30     | 55/45/20 | 1031        | 887  | 3517   | 1308        | 1126 | 4464   | 1567        | 1349 | 5348   | 1811        | 1558 | 6179   | 2332        | 2007 | 7958   | 2461        | 2118 | 8398   |
|                 | 42.5   | 70/55/20 | 1615        | 1390 | 5510   | 2050        | 1764 | 6995   | 2456        | 2113 | 8379   | 2837        | 2442 | 9681   | 2692        | 2317 | 9186   | 3857        | 3319 | 13159  |
|                 | 50     | 75/65/20 | 2003        | 1724 | 6836   | 2542        | 2188 | 8675   | 3046        | 2622 | 10394  | 3520        | 3029 | 12009  | 4178        | 3595 | 14254  | 4784        | 4117 | 16322  |
|                 | 60     | 90/70/20 | 2535        | 2182 | 8651   | 3219        | 2770 | 10982  | 3856        | 3318 | 13155  | 4455        | 3834 | 15200  | 5355        | 4608 | 18271  | 6055        | 5211 | 20660  |
| 1500            | 30     | 55/45/20 | 1104        | 950  | 3768   | 1402        | 1206 | 4783   | 1679        | 1445 | 5730   | 1940        | 1670 | 6620   | 2499        | 2151 | 8527   | 2637        | 2270 | 8998   |
|                 | 42.5   | 70/55/20 | 1730        | 1489 | 5904   | 2196        | 1890 | 7494   | 2631        | 2264 | 8978   | 3040        | 2616 | 10373  | 2885        | 2482 | 9842   | 4132        | 3556 | 14099  |
|                 | 50     | 75/65/20 | 2147        | 1847 | 7324   | 2724        | 2344 | 9294   | 3264        | 2809 | 11137  | 3771        | 3245 | 12867  | 4476        | 3852 | 15272  | 5126        | 4411 | 17488  |
|                 | 60     | 90/70/20 | 2717        | 2338 | 9269   | 3449        | 2968 | 11766  | 4131        | 3555 | 14095  | 4773        | 4108 | 16285  | 5738        | 4938 | 19576  | 6488        | 5583 | 22135  |
| 1600            | 30     | 55/45/20 | 1178        | 1014 | 4019   | 1495        | 1287 | 5102   | 1791        | 1541 | 6112   | 2070        | 1781 | 7061   | 2666        | 2294 | 9095   | 2813        | 2421 | 9598   |
|                 | 42.5   | 70/55/20 | 1846        | 1588 | 6297   | 2343        | 2016 | 7994   | 2807        | 2415 | 9576   | 3243        | 2791 | 11064  | 3077        | 2648 | 10498  | 4408        | 3793 | 15039  |
|                 | 50     | 75/65/20 | 2290        | 1970 | 7812   | 2906        | 2501 | 9914   | 3482        | 2996 | 11879  | 4022        | 3462 | 13724  | 4774        | 4109 | 16290  | 5467        | 4705 | 18654  |
|                 | 60     | 90/70/20 | 2898        | 2494 | 9887   | 3678        | 3166 | 12551  | 4406        | 3792 | 1      |             |      |        |             |      |        |             |      |        |