

## Electrical Heater Data

| Model #                                   | Min Airflow | EH*D-3M15 | EH*D-3M30 | EH*D-3M45 | EH*D-3M60 | EH*D-4M15 | EH*D-4M30 | EH*D-4M45 | EH*D-4M60 | EH*D-7M15 | EH*D-7M30 | EH*D-7M45 | EH*D-7M60 |
|-------------------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| # Stages<br>(*EHXD<br>Heat Kits<br>Only*) |             | 1         | 2         |           | 2         | 1         | 2         |           | 2         | 1         | 2         |           | 2         |
| DSH0903                                   | 2400        | X         | X         | X         |           |           |           |           |           |           |           |           |           |
| DSH0904                                   |             |           |           |           |           | X         | X         | X         |           |           |           |           |           |
| DSH0907                                   |             |           |           |           |           |           |           |           |           | X         | X         | X         |           |
| DSH1023                                   | 2750        | X         | X         | X         |           |           |           |           |           |           |           |           |           |
| DSH1024                                   |             |           |           |           |           | X         | X         | X         |           |           |           |           |           |
| DSH1027                                   |             |           |           |           |           |           |           |           |           | X         | X         | X         |           |
| DSH1203                                   | 3200        | X         | X         | X         |           |           |           |           |           |           |           |           |           |
| DSH1204                                   |             |           |           |           |           | X         | X         | X         |           |           |           |           |           |
| DSH1207                                   |             |           |           |           |           |           |           |           |           | X         | X         | X         |           |
| DSH1503D                                  | 4400        | X         | X         | X         | X         |           |           |           |           |           |           |           |           |
| DSH1504D                                  |             |           |           |           |           | X         | X         | X         | X         |           |           |           |           |
| DSH1507D                                  |             |           |           |           |           |           |           |           |           | X         | X         | X         | X         |
| DSH1503L                                  | 4000        | X         | X         | X         | X         |           |           |           |           |           |           |           |           |
| DSH1504L                                  |             |           |           |           |           | X         | X         | X         | X         |           |           |           |           |
| DSH1507L                                  |             |           |           |           |           |           |           |           |           | X         | X         | X         | X         |
| DSH1503W                                  | 3750        | X         | X         | X         | X         |           |           |           |           |           |           |           |           |
| DSH1504W                                  |             |           |           |           |           | X         | X         | X         | X         |           |           |           |           |
| DSH1507W                                  |             |           |           |           |           |           |           |           |           | X         | X         | X         | X         |

7.5 Ton HP Data • Models: DSH0903D, DSH0904D, DSH0907D

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 1974 | 438  | 0.23 |
|           | 0.4 | 1789 | 523  | 0.27 |
|           | 0.6 | -    | -    | -    |
|           | 0.8 | -    | -    | -    |
| T2**      | 0.2 | 2131 | 458  | 0.28 |
|           | 0.4 | 1969 | 531  | 0.32 |
|           | 0.6 | 1782 | 616  | 0.38 |
|           | 0.8 | -    | -    | -    |
| T3        | 0.2 | 3072 | 567  | 0.69 |
|           | 0.4 | 2947 | 628  | 0.76 |
|           | 0.6 | 2837 | 684  | 0.83 |
|           | 0.8 | 2695 | 737  | 0.89 |
| T4        | 0.2 | 3307 | 840  | 1.17 |
|           | 0.4 | 3216 | 897  | 1.25 |
|           | 0.6 | 3119 | 951  | 1.33 |
|           | 0.8 | 3014 | 1005 | 1.40 |
| T5        | 0.2 | 3370 | 796  | 1.17 |
|           | 0.4 | 3289 | 852  | 1.25 |
|           | 0.6 | 3201 | 905  | 1.33 |
|           | 0.8 | 3070 | 958  | 1.40 |
| T6        | 0.2 | 2411 | 488  | 0.37 |
|           | 0.4 | -    | -    | -    |
|           | 0.6 | -    | -    | -    |
|           | 0.8 | -    | -    | -    |
| T7        | 0.2 | 2666 | 518  | 0.48 |
|           | 0.4 | 2531 | 583  | 0.54 |
|           | 0.6 | 2393 | 647  | 0.59 |
|           | 0.8 | 2231 | 712  | 0.65 |
| T8        | 0.2 | 2798 | 533  | 0.53 |
|           | 0.4 | 2658 | 596  | 0.60 |
|           | 0.6 | 2530 | 654  | 0.66 |
|           | 0.8 | 2377 | 717  | 0.72 |
| T9        | 0.2 | 3307 | 840  | 1.35 |
|           | 0.4 | 3216 | 897  | 1.44 |
|           | 0.6 | 3119 | 951  | 1.53 |
|           | 0.8 | 3014 | 1005 | 1.61 |
| T10       | 0.2 | 3370 | 796  | 1.34 |
|           | 0.4 | 3289 | 852  | 1.43 |
|           | 0.6 | 3201 | 905  | 1.52 |
|           | 0.8 | 3070 | 958  | 1.61 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 1928 | 449  | 0.24 |
|                 | 0.4 | 1774 | 535  | 0.28 |
|                 | 0.6 | -    | -    | -    |
|                 | 0.8 | -    | -    | -    |
| T2**            | 0.2 | 2141 | 486  | 0.30 |
|                 | 0.4 | 1978 | 556  | 0.34 |
|                 | 0.6 | 1790 | 639  | 0.39 |
|                 | 0.8 | -    | -    | -    |
| T3              | 0.2 | 3031 | 594  | 0.72 |
|                 | 0.4 | 2909 | 649  | 0.79 |
|                 | 0.6 | 2799 | 699  | 0.85 |
|                 | 0.8 | 2682 | 749  | 0.91 |
| T4              | 0.2 | 3251 | 849  | 1.18 |
|                 | 0.4 | 3141 | 906  | 1.26 |
|                 | 0.6 | 3035 | 961  | 1.34 |
|                 | 0.8 | 2930 | 1017 | 1.42 |
| T5              | 0.2 | 3335 | 807  | 1.18 |
|                 | 0.4 | 3229 | 861  | 1.26 |
|                 | 0.6 | 3125 | 914  | 1.34 |
|                 | 0.8 | 3022 | 968  | 1.42 |
| T6              | 0.2 | 2375 | 500  | 0.38 |
|                 | 0.4 | -    | -    | -    |
|                 | 0.6 | -    | -    | -    |
|                 | 0.8 | -    | -    | -    |
| T7              | 0.2 | 2636 | 534  | 0.49 |
|                 | 0.4 | 2506 | 594  | 0.55 |
|                 | 0.6 | 2379 | 652  | 0.60 |
|                 | 0.8 | -    | -    | -    |
| T8              | 0.2 | 2757 | 549  | 0.55 |
|                 | 0.4 | 2637 | 607  | 0.61 |
|                 | 0.6 | 2509 | 660  | 0.66 |
|                 | 0.8 | 2377 | 723  | 0.73 |
| T9              | 0.2 | 3251 | 849  | 1.18 |
|                 | 0.4 | 3141 | 906  | 1.26 |
|                 | 0.6 | 3035 | 961  | 1.34 |
|                 | 0.8 | 2930 | 1017 | 1.42 |
| T10             | 0.2 | 3335 | 807  | 1.18 |
|                 | 0.4 | 3229 | 861  | 1.26 |
|                 | 0.6 | 3125 | 914  | 1.34 |
|                 | 0.8 | 3022 | 968  | 1.42 |

Shaded speed tap - Airflow for supplemental heat.  
 \*\* (T1) and (T2) are part load only

7.5 Ton Fan Data • Models: DSH0903L, DSH0904L, DSH0907L

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2298 | 473  | 0.33 |
|           | 0.4 | 2147 | 549  | 0.39 |
|           | 0.6 | 1967 | 619  | 0.44 |
|           | 0.8 | 1637 | 732  | 0.52 |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T2**      | 0.2 | 2345 | 476  | 0.34 |
|           | 0.4 | 2187 | 549  | 0.39 |
|           | 0.6 | 2019 | 621  | 0.45 |
|           | 0.8 | 1686 | 731  | 0.53 |
|           | 1   | 1496 | 790  | 0.57 |
|           | 1.2 | -    | -    | -    |
| T3        | 0.2 | 3538 | 619  | 0.97 |
|           | 0.4 | 3413 | 672  | 1.06 |
|           | 0.6 | 3301 | 723  | 1.14 |
|           | 0.8 | 3201 | 770  | 1.21 |
|           | 1   | 3070 | 819  | 1.29 |
|           | 1.2 | 2960 | 870  | 1.37 |
| T4        | 0.2 | 2839 | 922  | 1.45 |
|           | 0.4 | 3884 | 710  | 1.16 |
|           | 0.6 | 3721 | 765  | 1.25 |
|           | 0.8 | 3582 | 816  | 1.33 |
|           | 1   | 3460 | 865  | 1.41 |
|           | 1.2 | 3334 | 918  | 1.50 |
| T5        | 0.2 | 3070 | 984  | 1.60 |
|           | 0.4 | 3053 | 1053 | 1.72 |
|           | 0.6 | 3711 | 638  | 1.11 |
|           | 0.8 | 3592 | 691  | 1.20 |
|           | 1   | 3489 | 740  | 1.28 |
|           | 1.2 | 3391 | 786  | 1.36 |
| T6        | 0.2 | 3295 | 835  | 1.45 |
|           | 0.4 | 3178 | 882  | 1.53 |
|           | 0.6 | 2990 | 929  | 1.61 |
|           | 0.8 | 3027 | 554  | 0.64 |
|           | 1   | 2895 | 614  | 0.71 |
|           | 1.2 | 2786 | 670  | 0.77 |
| T7        | 0.2 | 2657 | 725  | 0.84 |
|           | 0.4 | 2500 | 784  | 0.91 |
|           | 0.6 | -    | -    | -    |
|           | 0.8 | -    | -    | -    |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T8        | 0.2 | 3307 | 587  | 0.81 |
|           | 0.4 | 3170 | 644  | 0.88 |
|           | 0.6 | 3063 | 698  | 0.96 |
|           | 0.8 | 2946 | 747  | 1.03 |
|           | 1   | 2816 | 801  | 1.10 |
|           | 1.2 | 2678 | 856  | 1.18 |
| T9        | 0.2 | 2403 | 941  | 1.29 |
|           | 0.4 | 3538 | 619  | 0.97 |
|           | 0.6 | 3413 | 672  | 1.06 |
|           | 0.8 | 3301 | 723  | 1.14 |
|           | 1   | 3201 | 770  | 1.21 |
|           | 1.2 | 3070 | 819  | 1.29 |
| T10       | 0.2 | 2960 | 870  | 1.37 |
|           | 0.4 | 2839 | 922  | 1.45 |
|           | 0.6 | 3884 | 710  | 1.16 |
|           | 0.8 | 3721 | 765  | 1.25 |
|           | 1   | 3582 | 816  | 1.33 |
|           | 1.2 | 3460 | 865  | 1.41 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2284 | 494  | 0.35 |
|                 | 0.4 | 2135 | 562  | 0.40 |
|                 | 0.6 | 1976 | 632  | 0.45 |
|                 | 0.8 | 1626 | 743  | 0.52 |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T2**            | 0.2 | 2304 | 497  | 0.36 |
|                 | 0.4 | 2152 | 562  | 0.40 |
|                 | 0.6 | 1998 | 634  | 0.46 |
|                 | 0.8 | 1646 | 746  | 0.54 |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T3              | 0.2 | 3466 | 652  | 1.03 |
|                 | 0.4 | 3361 | 701  | 1.10 |
|                 | 0.6 | 3261 | 744  | 1.17 |
|                 | 0.8 | 3176 | 790  | 1.24 |
|                 | 1   | 3058 | 837  | 1.32 |
|                 | 1.2 | 2952 | 885  | 1.39 |
| T4              | 0.2 | 2816 | 943  | 1.48 |
|                 | 0.4 | 3601 | 677  | 1.10 |
|                 | 0.6 | 3478 | 736  | 1.20 |
|                 | 0.8 | 3370 | 790  | 1.29 |
|                 | 1   | 3271 | 840  | 1.37 |
|                 | 1.2 | 3166 | 893  | 1.46 |
| T5              | 0.2 | 3010 | 958  | 1.56 |
|                 | 0.4 | 2917 | 1024 | 1.67 |
|                 | 0.6 | 3622 | 676  | 1.17 |
|                 | 0.8 | 3530 | 723  | 1.25 |
|                 | 1   | 3432 | 766  | 1.33 |
|                 | 1.2 | 3341 | 810  | 1.40 |
| T6              | 0.2 | 3251 | 852  | 1.48 |
|                 | 0.4 | 3144 | 898  | 1.56 |
|                 | 0.6 | 3006 | 947  | 1.64 |
|                 | 0.8 | 2983 | 582  | 0.67 |
|                 | 1   | 2864 | 635  | 0.73 |
|                 | 1.2 | 2749 | 687  | 0.79 |
| T7              | 0.2 | 2630 | 740  | 0.85 |
|                 | 0.4 | 2492 | 801  | 0.93 |
|                 | 0.6 | -    | -    | -    |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T8              | 0.2 | 3230 | 617  | 0.83 |
|                 | 0.4 | 3112 | 667  | 0.90 |
|                 | 0.6 | 3005 | 716  | 0.97 |
|                 | 0.8 | 2905 | 761  | 1.03 |
|                 | 1   | 2801 | 817  | 1.10 |
|                 | 1.2 | 2673 | 872  | 1.18 |
| T9              | 0.2 | 2325 | 978  | 1.32 |
|                 | 0.4 | 3466 | 652  | 1.03 |
|                 | 0.6 | 3361 | 701  | 1.10 |
|                 | 0.8 | 3261 | 744  | 1.17 |
|                 | 1   | 3176 | 790  | 1.24 |
|                 | 1.2 | 3058 | 837  | 1.32 |
| T10             | 0.2 | 2952 | 885  | 1.39 |
|                 | 0.4 | 2816 | 943  | 1.48 |
|                 | 0.6 | 3601 | 677  | 1.10 |
|                 | 0.8 | 3478 | 736  | 1.20 |
|                 | 1   | 3370 | 790  | 1.29 |
|                 | 1.2 | 3271 | 840  | 1.37 |

Shaded speed tap - Airflow for supplemental heat.  
 \*\* (T1) and (T2) are part load only

7.5 Ton Fan Data • Models: DSH0903W, DSH0904W, DSH0907W

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2465 | 490  | 0.36 |
|           | 0.4 | 2293 | 561  | 0.42 |
|           | 0.6 | 2148 | 626  | 0.46 |
|           | 0.8 | 1911 | 715  | 0.53 |
|           | 1   | 1614 | 797  | 0.59 |
|           | 1.2 | -    | -    | -    |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
|           | 1.8 | -    | -    | -    |
| T2**      | 0.2 | 2465 | 499  | 0.38 |
|           | 0.4 | 2325 | 567  | 0.44 |
|           | 0.6 | 2182 | 632  | 0.49 |
|           | 0.8 | 1993 | 705  | 0.54 |
|           | 1   | 1659 | 804  | 0.62 |
|           | 1.2 | 1498 | 853  | 0.66 |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
|           | 1.8 | -    | -    | -    |
| T3        | 0.2 | 3657 | 556  | 0.93 |
|           | 0.4 | 3559 | 616  | 1.03 |
|           | 0.6 | 3467 | 669  | 1.12 |
|           | 0.8 | 3391 | 710  | 1.19 |
|           | 1   | 3290 | 761  | 1.27 |
|           | 1.2 | 3176 | 816  | 1.36 |
|           | 1.4 | 3058 | 868  | 1.45 |
|           | 1.6 | 2888 | 937  | 1.57 |
|           | 1.8 | 2785 | 975  | 1.63 |
| T4        | 0.2 | 3748 | 664  | 1.16 |
|           | 0.4 | 3637 | 711  | 1.24 |
|           | 0.6 | 3539 | 756  | 1.32 |
|           | 0.8 | 3448 | 803  | 1.40 |
|           | 1   | 3339 | 847  | 1.48 |
|           | 1.2 | 3226 | 893  | 1.56 |
|           | 1.4 | 3108 | 947  | 1.65 |
|           | 1.6 | 3001 | 999  | 1.74 |
|           | 1.8 | 2840 | 1041 | 1.82 |
| T5        | 0.2 | 3850 | 674  | 1.25 |
|           | 0.4 | 3745 | 723  | 1.34 |
|           | 0.6 | 3655 | 770  | 1.43 |
|           | 0.8 | 3546 | 815  | 1.51 |
|           | 1   | 3445 | 858  | 1.59 |
|           | 1.2 | 3359 | 902  | 1.67 |
|           | 1.4 | 3242 | 945  | 1.75 |
|           | 1.6 | 3120 | 991  | 1.84 |
|           | 1.8 | 3001 | 1042 | 1.93 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2368 | 510  | 0.38 |
|                 | 0.4 | 2247 | 572  | 0.42 |
|                 | 0.6 | 2113 | 632  | 0.47 |
|                 | 0.8 | 1961 | 704  | 0.52 |
|                 | 1   | 1600 | 802  | 0.60 |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
|                 | 1.8 | -    | -    | -    |
| T2**            | 0.2 | 2449 | 504  | 0.39 |
|                 | 0.4 | 2330 | 571  | 0.44 |
|                 | 0.6 | 2181 | 638  | 0.49 |
|                 | 0.8 | 1991 | 59   | 0.05 |
|                 | 1   | 1645 | 35   | 0.03 |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
|                 | 1.8 | -    | -    | -    |
| T3              | 0.2 | 3638 | 587  | 0.98 |
|                 | 0.4 | 3533 | 642  | 1.07 |
|                 | 0.6 | 3437 | 691  | 1.15 |
|                 | 0.8 | 3359 | 728  | 1.22 |
|                 | 1   | 3256 | 777  | 1.30 |
|                 | 1.2 | 3142 | 828  | 1.38 |
|                 | 1.4 | 3027 | 876  | 1.46 |
|                 | 1.6 | 2863 | 941  | 1.57 |
|                 | 1.8 | 2766 | 977  | 1.63 |
| T4              | 0.2 | 3711 | 687  | 1.20 |
|                 | 0.4 | 3608 | 730  | 1.27 |
|                 | 0.6 | 3517 | 772  | 1.35 |
|                 | 0.8 | 3434 | 816  | 1.42 |
|                 | 1   | 3334 | 856  | 1.49 |
|                 | 1.2 | 3231 | 900  | 1.57 |
|                 | 1.4 | 3125 | 951  | 1.66 |
|                 | 1.6 | 2986 | 1001 | 1.75 |
|                 | 1.8 | 2885 | 1041 | 1.82 |
| T5              | 0.2 | 3806 | 696  | 1.29 |
|                 | 0.4 | 3708 | 741  | 1.38 |
|                 | 0.6 | 3624 | 785  | 1.46 |
|                 | 0.8 | 3523 | 827  | 1.54 |
|                 | 1   | 3431 | 867  | 1.61 |
|                 | 1.2 | 3352 | 908  | 1.69 |
|                 | 1.4 | 3246 | 949  | 1.76 |
|                 | 1.6 | 3136 | 993  | 1.84 |
|                 | 1.8 | 2989 | 1041 | 1.93 |

7.5 Ton Fan Data • Models: DSH0903W, DSH0904W, DSH0907W

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T6        | 0.2 | 3502 | 618  | 0.90 |
|           | 0.4 | 3381 | 669  | 0.97 |
|           | 0.6 | 3533 | 721  | 1.05 |
|           | 0.8 | 3145 | 767  | 1.12 |
|           | 1   | 3047 | 817  | 1.19 |
|           | 1.2 | 2908 | 866  | 1.26 |
|           | 1.4 | 2766 | 918  | 1.34 |
|           | 1.6 | 2491 | 1010 | 1.47 |
|           | 1.8 | -    | -    | -    |
| T7        | 0.2 | 3670 | 637  | 1.02 |
|           | 0.4 | 3542 | 686  | 1.10 |
|           | 0.6 | 3430 | 737  | 1.18 |
|           | 0.8 | 3312 | 785  | 1.25 |
|           | 1   | 3207 | 832  | 1.33 |
|           | 1.2 | 3098 | 878  | 1.40 |
|           | 1.4 | 2965 | 928  | 1.48 |
|           | 1.6 | 2829 | 982  | 1.57 |
|           | 1.8 | 2544 | 1070 | 1.71 |
| T8        | 0.2 | 3657 | 556  | 0.93 |
|           | 0.4 | 3559 | 616  | 1.03 |
|           | 0.6 | 3467 | 669  | 1.12 |
|           | 0.8 | 3391 | 710  | 1.19 |
|           | 1   | 3290 | 761  | 1.27 |
|           | 1.2 | 3176 | 816  | 1.36 |
|           | 1.4 | 3058 | 868  | 1.45 |
|           | 1.6 | 2888 | 937  | 1.57 |
|           | 1.8 | 2785 | 975  | 1.63 |
| T9        | 0.2 | 3748 | 664  | 1.42 |
|           | 0.4 | 3637 | 711  | 1.52 |
|           | 0.6 | 3539 | 756  | 1.62 |
|           | 0.8 | 3448 | 803  | 1.72 |
|           | 1   | 3339 | 847  | 1.81 |
|           | 1.2 | 3226 | 893  | 1.91 |
|           | 1.4 | 3108 | 947  | 2.03 |
|           | 1.6 | 3001 | 999  | 2.14 |
|           | 1.8 | 2840 | 1041 | 2.23 |
| T10       | 0.2 | 3850 | 674  | 1.98 |
|           | 0.4 | 3745 | 723  | 2.12 |
|           | 0.6 | 3655 | 770  | 2.26 |
|           | 0.8 | 3546 | 815  | 2.39 |
|           | 1   | 3445 | 858  | 2.52 |
|           | 1.2 | 3359 | 902  | 2.65 |
|           | 1.4 | 3242 | 945  | 2.77 |
|           | 1.6 | 3120 | 991  | 2.91 |
|           | 1.8 | 3001 | 1042 | 3.06 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T6              | 0.2 | 3383 | 644  | 0.94 |
|                 | 0.4 | 3283 | 692  | 1.01 |
|                 | 0.6 | 3167 | 738  | 1.08 |
|                 | 0.8 | 3076 | 785  | 1.14 |
|                 | 1   | 2977 | 827  | 1.21 |
|                 | 1.2 | 2849 | 883  | 1.29 |
|                 | 1.4 | 2670 | 950  | 1.38 |
|                 | 1.6 | 2404 | 1034 | 1.51 |
|                 | 1.8 | -    | -    | -    |
| T7              | 0.2 | 3521 | 665  | 1.06 |
|                 | 0.4 | 3422 | 713  | 1.14 |
|                 | 0.6 | 3325 | 756  | 1.21 |
|                 | 0.8 | 3217 | 802  | 1.28 |
|                 | 1   | 3122 | 846  | 1.35 |
|                 | 1.2 | 3027 | 871  | 1.39 |
|                 | 1.4 | 2893 | 948  | 1.51 |
|                 | 1.6 | 2762 | 999  | 1.59 |
|                 | 1.8 | 2390 | 1100 | 1.76 |
| T8              | 0.2 | 3711 | 687  | 1.15 |
|                 | 0.4 | 3608 | 730  | 1.22 |
|                 | 0.6 | 3517 | 772  | 1.29 |
|                 | 0.8 | 3434 | 816  | 1.36 |
|                 | 1   | 3334 | 856  | 1.43 |
|                 | 1.2 | 3231 | 900  | 1.50 |
|                 | 1.4 | 3125 | 951  | 1.59 |
|                 | 1.6 | 2986 | 1001 | 1.67 |
|                 | 1.8 | 2885 | 1041 | 1.74 |
| T9              | 0.2 | 3711 | 687  | 1.20 |
|                 | 0.4 | 3608 | 730  | 1.27 |
|                 | 0.6 | 3517 | 772  | 1.35 |
|                 | 0.8 | 3434 | 816  | 1.42 |
|                 | 1   | 3334 | 856  | 1.49 |
|                 | 1.2 | 3231 | 900  | 1.57 |
|                 | 1.4 | 3125 | 951  | 1.66 |
|                 | 1.6 | 2986 | 1001 | 1.75 |
|                 | 1.8 | 2885 | 1041 | 1.82 |
| T10             | 0.2 | 3806 | 696  | 1.29 |
|                 | 0.4 | 3708 | 741  | 1.38 |
|                 | 0.6 | 3624 | 785  | 1.46 |
|                 | 0.8 | 3523 | 827  | 1.54 |
|                 | 1   | 3431 | 867  | 1.61 |
|                 | 1.2 | 3352 | 908  | 1.69 |
|                 | 1.4 | 3246 | 949  | 1.76 |
|                 | 1.6 | 3136 | 993  | 1.84 |
|                 | 1.8 | 2989 | 1041 | 1.93 |

Shaded speed tap - Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

8.5 Ton HP Data • Models: DSH1023D, DSH1024D, DSH1027D

| Down Flow |     |      |     |      |
|-----------|-----|------|-----|------|
| Speed Tap | ESP | CFM  | RPM | BHP  |
| T1**      | 0.2 | 1974 | 438 | 0.23 |
|           | 0.4 | 1789 | 523 | 0.27 |
|           | 0.6 | -    | -   | -    |
|           | 0.8 | -    | -   | -    |
| T2**      | 0.2 | 2131 | 458 | 0.28 |
|           | 0.4 | 1969 | 531 | 0.32 |
|           | 0.6 | 1782 | 616 | 0.38 |
|           | 0.8 | -    | -   | -    |
| T3        | 0.2 | 3072 | 567 | 0.69 |
|           | 0.4 | 2947 | 628 | 0.76 |
|           | 0.6 | 2837 | 684 | 0.83 |
|           | 0.8 | 2695 | 737 | 0.89 |
| T4        | 0.2 | 3711 | 638 | 1.09 |
|           | 0.4 | 3592 | 691 | 1.18 |
|           | 0.6 | 3430 | 740 | 1.26 |
|           | 0.8 | 3391 | 786 | 1.34 |
| T5        | 0.2 | 3737 | 651 | 1.16 |
|           | 0.4 | 3623 | 703 | 1.25 |
|           | 0.6 | 3513 | 751 | 1.34 |
|           | 0.8 | 3410 | 799 | 1.42 |
| T6        | 0.2 | 2708 | 521 | 0.49 |
|           | 0.4 | -    | -   | -    |
|           | 0.6 | -    | -   | -    |
|           | 0.8 | -    | -   | -    |
| T7        | 0.2 | 2955 | 551 | 0.62 |
|           | 0.4 | 2819 | 612 | 0.68 |
|           | 0.6 | 2715 | 668 | 0.75 |
|           | 0.8 | -    | -   | -    |
| T8        | 0.2 | 3072 | 567 | 0.69 |
|           | 0.4 | 2947 | 628 | 0.76 |
|           | 0.6 | 2837 | 684 | 0.83 |
|           | 0.8 | 2695 | 737 | 0.89 |
| T9        | 0.2 | 3711 | 638 | 1.09 |
|           | 0.4 | 3592 | 691 | 1.18 |
|           | 0.6 | 3430 | 740 | 1.26 |
|           | 0.8 | 3391 | 786 | 1.34 |
| T10       | 0.2 | 3737 | 651 | 1.16 |
|           | 0.4 | 3623 | 703 | 1.25 |
|           | 0.6 | 3513 | 751 | 1.34 |
|           | 0.8 | 3410 | 799 | 1.42 |

| Horizontal Flow |     |      |     |      |
|-----------------|-----|------|-----|------|
| Speed Tap       | ESP | CFM  | RPM | BHP  |
| T1**            | 0.2 | 1928 | 449 | 0.24 |
|                 | 0.4 | 1774 | 535 | 0.28 |
|                 | 0.6 | -    | -   | -    |
|                 | 0.8 | -    | -   | -    |
| T2**            | 0.2 | -    | -   | -    |
|                 | 0.4 | 1978 | 556 | 0.34 |
|                 | 0.6 | 1790 | 639 | 0.39 |
|                 | 0.8 | -    | -   | -    |
| T3              | 0.2 | 3031 | 594 | 0.72 |
|                 | 0.4 | 2909 | 649 | 0.79 |
|                 | 0.6 | 2799 | 699 | 0.85 |
|                 | 0.8 | 2682 | 749 | 0.91 |
| T4              | 0.2 | 3601 | 677 | 1.15 |
|                 | 0.4 | 3503 | 724 | 1.23 |
|                 | 0.6 | 3405 | 773 | 1.31 |
|                 | 0.8 | 3311 | 819 | 1.39 |
| T5              | 0.2 | 3686 | 687 | 1.22 |
|                 | 0.4 | 3591 | 732 | 1.30 |
|                 | 0.6 | 3494 | 775 | 1.38 |
|                 | 0.8 | 3402 | 819 | 1.46 |
| T6              | 0.2 | 2675 | 543 | 0.51 |
|                 | 0.4 | -    | -   | -    |
|                 | 0.6 | -    | -   | -    |
|                 | 0.8 | -    | -   | -    |
| T7              | 0.2 | 2914 | 572 | 0.64 |
|                 | 0.4 | 2797 | 630 | 0.70 |
|                 | 0.6 | 2680 | 681 | 0.76 |
|                 | 0.8 | -    | -   | -    |
| T8              | 0.2 | 3062 | 590 | 0.72 |
|                 | 0.4 | 2944 | 644 | 0.78 |
|                 | 0.6 | 2838 | 693 | 0.84 |
|                 | 0.8 | 2713 | 742 | 0.90 |
| T9              | 0.2 | 3601 | 677 | 1.15 |
|                 | 0.4 | 3503 | 724 | 1.23 |
|                 | 0.6 | 3405 | 773 | 1.31 |
|                 | 0.8 | 3311 | 819 | 1.39 |
| T10             | 0.2 | 3686 | 687 | 1.22 |
|                 | 0.4 | 3591 | 732 | 1.30 |
|                 | 0.6 | 3494 | 775 | 1.38 |
|                 | 0.8 | 3402 | 819 | 1.46 |

Shaded speed tap - Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

8.5 Ton Fan Data • Models: DSH1023L, DSH1024L, DSH1027L

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2298 | 473  | 0.33 |
|           | 0.4 | 2147 | 549  | 0.39 |
|           | 0.6 | 1967 | 619  | 0.44 |
|           | 0.8 | -    | -    | -    |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T2**      | 0.2 | 2345 | 476  | 0.34 |
|           | 0.4 | 2187 | 549  | 0.39 |
|           | 0.6 | 2019 | 621  | 0.45 |
|           | 0.8 | 1686 | 731  | 0.53 |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T3        | 0.2 | 3538 | 619  | 0.97 |
|           | 0.4 | 3413 | 672  | 1.06 |
|           | 0.6 | 3301 | 723  | 1.14 |
|           | 0.8 | 3201 | 770  | 1.21 |
|           | 1   | 3040 | 819  | 1.29 |
|           | 1.2 | 2960 | 870  | 1.37 |
| T4        | 0.2 | 2839 | 922  | 1.45 |
|           | 0.4 | 2711 | 968  | 1.50 |
|           | 0.6 | 2592 | 1019 | 1.58 |
|           | 0.8 | 2489 | 1070 | 1.67 |
|           | 1   | 2391 | 1121 | 1.75 |
|           | 1.2 | 2301 | 1172 | 1.83 |
| T5        | 0.2 | 4156 | 692  | 1.50 |
|           | 0.4 | 4050 | 741  | 1.61 |
|           | 0.6 | 3948 | 785  | 1.71 |
|           | 0.8 | 3843 | 832  | 1.81 |
|           | 1   | 3750 | 873  | 1.90 |
|           | 1.2 | 3658 | 915  | 1.99 |
| T6        | 0.2 | 3450 | 959  | 2.09 |
|           | 0.4 | 3255 | 582  | 0.78 |
|           | 0.6 | 3118 | 640  | 0.86 |
|           | 0.8 | 3005 | 693  | 0.93 |
|           | 1   | 2895 | 743  | 0.99 |
|           | 1.2 | 2755 | 799  | 1.07 |
| T7        | 0.2 | 2755 | 799  | 1.07 |
|           | 0.4 | 2755 | 799  | 1.07 |
|           | 0.6 | 2755 | 799  | 1.07 |
|           | 0.8 | 2755 | 799  | 1.07 |
|           | 1   | 2755 | 799  | 1.07 |
|           | 1.2 | 2755 | 799  | 1.07 |
| T8        | 0.2 | 3454 | 605  | 0.91 |
|           | 0.4 | 3339 | 661  | 0.99 |
|           | 0.6 | 3217 | 714  | 1.07 |
|           | 0.8 | 3103 | 763  | 1.14 |
|           | 1   | 2983 | 815  | 1.22 |
|           | 1.2 | 2858 | 867  | 1.30 |
| T9        | 0.2 | 2705 | 923  | 1.38 |
|           | 0.4 | 2705 | 923  | 1.38 |
|           | 0.6 | 2705 | 923  | 1.38 |
|           | 0.8 | 2705 | 923  | 1.38 |
|           | 1   | 2705 | 923  | 1.38 |
|           | 1.2 | 2705 | 923  | 1.38 |
| T10       | 0.2 | 3711 | 638  | 1.11 |
|           | 0.4 | 3592 | 691  | 1.20 |
|           | 0.6 | 3489 | 740  | 1.28 |
|           | 0.8 | 3391 | 786  | 1.36 |
|           | 1   | 3295 | 835  | 1.45 |
|           | 1.2 | 3178 | 882  | 1.53 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2284 | 494  | 0.35 |
|                 | 0.4 | 2135 | 562  | 0.40 |
|                 | 0.6 | 1976 | 632  | 0.45 |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T2**            | 0.2 | 2304 | 497  | 0.36 |
|                 | 0.4 | 2152 | 562  | 0.40 |
|                 | 0.6 | 1998 | 634  | 0.46 |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T3              | 0.2 | 3466 | 652  | 1.03 |
|                 | 0.4 | 3361 | 701  | 1.10 |
|                 | 0.6 | 3261 | 744  | 1.17 |
|                 | 0.8 | 3176 | 790  | 1.24 |
|                 | 1   | 3058 | 837  | 1.32 |
|                 | 1.2 | 2952 | 885  | 1.39 |
| T4              | 0.2 | 2816 | 943  | 1.48 |
|                 | 0.4 | 2688 | 989  | 1.56 |
|                 | 0.6 | 2588 | 1040 | 1.64 |
|                 | 0.8 | 2489 | 1091 | 1.72 |
|                 | 1   | 2391 | 1142 | 1.80 |
|                 | 1.2 | 2301 | 1193 | 1.88 |
| T5              | 0.2 | 3971 | 505  | 1.10 |
|                 | 0.4 | 3897 | 539  | 1.17 |
|                 | 0.6 | 3806 | 580  | 1.26 |
|                 | 0.8 | 3707 | 627  | 1.36 |
|                 | 1   | 3653 | 652  | 1.42 |
|                 | 1.2 | 3551 | 701  | 1.53 |
| T6              | 0.2 | 3422 | 764  | 1.66 |
|                 | 0.4 | 3205 | 611  | 0.82 |
|                 | 0.6 | 3089 | 663  | 0.89 |
|                 | 0.8 | 2982 | 710  | 0.95 |
|                 | 1   | 2877 | 757  | 1.01 |
|                 | 1.2 | 2732 | 813  | 1.09 |
| T7              | 0.2 | 3376 | 640  | 0.96 |
|                 | 0.4 | 3279 | 689  | 1.03 |
|                 | 0.6 | 3172 | 736  | 1.10 |
|                 | 0.8 | 3070 | 781  | 1.17 |
|                 | 1   | 2959 | 831  | 1.24 |
|                 | 1.2 | 2836 | 881  | 1.32 |
| T8              | 0.2 | 2650 | 955  | 1.43 |
|                 | 0.4 | 2650 | 955  | 1.43 |
|                 | 0.6 | 2650 | 955  | 1.43 |
|                 | 0.8 | 2650 | 955  | 1.43 |
|                 | 1   | 2650 | 955  | 1.43 |
|                 | 1.2 | 2650 | 955  | 1.43 |
| T9              | 0.2 | 3622 | 676  | 1.17 |
|                 | 0.4 | 3530 | 723  | 1.25 |
|                 | 0.6 | 3432 | 766  | 1.33 |
|                 | 0.8 | 3341 | 810  | 1.40 |
|                 | 1   | 3251 | 852  | 1.48 |
|                 | 1.2 | 3144 | 898  | 1.56 |
| T10             | 0.2 | 3006 | 947  | 1.64 |
|                 | 0.4 | 3006 | 947  | 1.64 |
|                 | 0.6 | 3006 | 947  | 1.64 |
|                 | 0.8 | 3006 | 947  | 1.64 |
|                 | 1   | 3006 | 947  | 1.64 |
|                 | 1.2 | 3006 | 947  | 1.64 |

Shaded speed tap - Airflow for supplemental heat.  
 \*\* (T1) and (T2) are part load only

8.5 Ton Fan Data • Models: DSH1023W, DSH1024W, DSH1027W

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2465 | 490  | 0.36 |
|           | 0.4 | 2293 | 561  | 0.42 |
|           | 0.6 | 2148 | 626  | 0.46 |
|           | 0.8 | 1911 | 715  | 0.53 |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
| T2**      | 0.2 | 2465 | 499  | 0.38 |
|           | 0.4 | 2325 | 567  | 0.44 |
|           | 0.6 | 2182 | 632  | 0.49 |
|           | 0.8 | 1993 | 705  | 0.54 |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
| T3        | 0.2 | 3794 | 663  | 1.16 |
|           | 0.4 | 3688 | 711  | 1.24 |
|           | 0.6 | 3572 | 758  | 1.32 |
|           | 0.8 | 3468 | 807  | 1.41 |
|           | 1   | 3370 | 852  | 1.49 |
|           | 1.2 | 3259 | 895  | 1.56 |
|           | 1.4 | 3144 | 942  | 1.64 |
|           | 1.6 | 3011 | 990  | 1.73 |
| T4        | 0.2 | 4121 | 699  | 1.43 |
|           | 0.4 | 4019 | 745  | 1.52 |
|           | 0.6 | 3934 | 790  | 1.61 |
|           | 0.8 | 3830 | 833  | 1.70 |
|           | 1   | 3697 | 876  | 1.79 |
|           | 1.2 | 3617 | 918  | 1.87 |
|           | 1.4 | 3527 | 959  | 1.96 |
|           | 1.6 | 3408 | 1002 | 2.05 |
| T5        | 0.2 | 4262 | 718  | 1.56 |
|           | 0.4 | 4164 | 761  | 1.66 |
|           | 0.6 | 4060 | 805  | 1.75 |
|           | 0.8 | 3966 | 851  | 1.85 |
|           | 1   | 3864 | 891  | 1.94 |
|           | 1.2 | 3773 | 932  | 2.03 |
|           | 1.4 | 3687 | 973  | 2.12 |
|           | 1.6 | 3576 | 1012 | 2.20 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2368 | 510  | 0.38 |
|                 | 0.4 | 2247 | 572  | 0.42 |
|                 | 0.6 | 2113 | 632  | 0.47 |
|                 | 0.8 | 1961 | 704  | 0.52 |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
| T2**            | 0.2 | 2449 | 504  | 0.39 |
|                 | 0.4 | 2330 | 571  | 0.44 |
|                 | 0.6 | 2181 | 638  | 0.49 |
|                 | 0.8 | 1991 | 59   | 0.05 |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
| T3              | 0.2 | 3711 | 687  | 1.20 |
|                 | 0.4 | 3608 | 730  | 1.27 |
|                 | 0.6 | 3517 | 772  | 1.35 |
|                 | 0.8 | 3434 | 816  | 1.42 |
|                 | 1   | 3334 | 856  | 1.49 |
|                 | 1.2 | 3231 | 900  | 1.57 |
|                 | 1.4 | 3125 | 951  | 1.66 |
|                 | 1.6 | 2986 | 1001 | 1.75 |
| T4              | 0.2 | 3989 | 718  | 1.47 |
|                 | 0.4 | 3894 | 761  | 1.55 |
|                 | 0.6 | 3816 | 803  | 1.64 |
|                 | 0.8 | 3722 | 843  | 1.72 |
|                 | 1   | 3602 | 883  | 1.80 |
|                 | 1.2 | 3529 | 922  | 1.88 |
|                 | 1.4 | 3449 | 961  | 1.96 |
|                 | 1.6 | 3343 | 1001 | 2.04 |
| T5              | 0.2 | 4123 | 750  | 1.63 |
|                 | 0.4 | 4032 | 790  | 1.72 |
|                 | 0.6 | 3944 | 831  | 1.81 |
|                 | 0.8 | 3866 | 868  | 1.89 |
|                 | 1   | 3774 | 905  | 1.97 |
|                 | 1.2 | 3690 | 943  | 2.05 |
|                 | 1.4 | 3612 | 980  | 2.13 |
|                 | 1.6 | 3506 | 943  | 2.05 |

8.5 Ton Fan Data • Models: DSH1023W, DSH1024W, DSH1027W

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T6        | 0.2 | 3600 | 628  | 0.96 |
|           | 0.4 | 3479 | 679  | 1.04 |
|           | 0.6 | 3363 | 728  | 1.12 |
|           | 0.8 | 3256 | 775  | 1.19 |
|           | 1   | 3144 | 823  | 1.26 |
|           | 1.2 | 3034 | 870  | 1.34 |
|           | 1.4 | 2910 | 921  | 1.41 |
|           | 1.6 | 2726 | 987  | 1.52 |
|           | 1.8 | -    | -    | -    |
| T7        | 0.2 | 3785 | 652  | 1.11 |
|           | 0.4 | 3679 | 701  | 1.19 |
|           | 0.6 | 3556 | 748  | 1.27 |
|           | 0.8 | 3451 | 796  | 1.36 |
|           | 1   | 3359 | 841  | 1.43 |
|           | 1.2 | 3249 | 886  | 1.51 |
|           | 1.4 | 3103 | 933  | 1.59 |
|           | 1.6 | 2981 | 983  | 1.67 |
|           | 1.8 | 2754 | 1056 | 1.80 |
| T8        | 0.2 | 3794 | 663  | 1.16 |
|           | 0.4 | 3688 | 711  | 1.24 |
|           | 0.6 | 3572 | 758  | 1.32 |
|           | 0.8 | 3468 | 807  | 1.41 |
|           | 1   | 3370 | 852  | 1.49 |
|           | 1.2 | 3259 | 895  | 1.56 |
|           | 1.4 | 3144 | 942  | 1.64 |
|           | 1.6 | 3011 | 990  | 1.73 |
|           | 1.8 | 2843 | 1052 | 1.84 |
| T9        | 0.2 | 4121 | 699  | 1.43 |
|           | 0.4 | 4019 | 745  | 1.52 |
|           | 0.6 | 3934 | 790  | 1.61 |
|           | 0.8 | 3830 | 833  | 1.70 |
|           | 1   | 3697 | 876  | 1.79 |
|           | 1.2 | 3617 | 918  | 1.87 |
|           | 1.4 | 3527 | 959  | 1.96 |
|           | 1.6 | 3408 | 1002 | 2.05 |
|           | 1.8 | 3262 | 1048 | 2.14 |
| T10       | 0.2 | 4262 | 718  | 1.56 |
|           | 0.4 | 4164 | 761  | 1.66 |
|           | 0.6 | 4060 | 805  | 1.75 |
|           | 0.8 | 3966 | 851  | 1.85 |
|           | 1   | 3864 | 891  | 1.94 |
|           | 1.2 | 3773 | 932  | 2.03 |
|           | 1.4 | 3687 | 973  | 2.12 |
|           | 1.6 | 3576 | 1012 | 2.20 |
|           | 1.8 | 3463 | 1055 | 2.30 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T6              | 0.2 | 3460 | 659  | 1.01 |
|                 | 0.4 | 3343 | 705  | 1.08 |
|                 | 0.6 | 3244 | 752  | 1.15 |
|                 | 0.8 | 3154 | 800  | 1.22 |
|                 | 1   | 3043 | 839  | 1.29 |
|                 | 1.2 | 2940 | 890  | 1.37 |
|                 | 1.4 | 2812 | 947  | 1.45 |
|                 | 1.6 | 2695 | 989  | 1.52 |
|                 | 1.8 | -    | -    | -    |
| T7              | 0.2 | 3626 | 683  | 1.16 |
|                 | 0.4 | 3532 | 728  | 1.24 |
|                 | 0.6 | 3431 | 771  | 1.31 |
|                 | 0.8 | 3344 | 815  | 1.39 |
|                 | 1   | 3245 | 858  | 1.46 |
|                 | 1.2 | 3125 | 905  | 1.54 |
|                 | 1.4 | 3029 | 955  | 1.63 |
|                 | 1.6 | 2887 | 1011 | 1.72 |
|                 | 1.8 | 2690 | 1075 | 1.83 |
| T8              | 0.2 | 3711 | 687  | 1.20 |
|                 | 0.4 | 3608 | 730  | 1.27 |
|                 | 0.6 | 3517 | 772  | 1.35 |
|                 | 0.8 | 3434 | 816  | 1.42 |
|                 | 1   | 3334 | 856  | 1.49 |
|                 | 1.2 | 3231 | 900  | 1.57 |
|                 | 1.4 | 3125 | 951  | 1.66 |
|                 | 1.6 | 2986 | 1001 | 1.75 |
|                 | 1.8 | 2885 | 1041 | 1.82 |
| T9              | 0.2 | 3989 | 718  | 1.47 |
|                 | 0.4 | 3894 | 761  | 1.55 |
|                 | 0.6 | 3816 | 803  | 1.64 |
|                 | 0.8 | 3722 | 843  | 1.72 |
|                 | 1   | 3602 | 883  | 1.80 |
|                 | 1.2 | 3529 | 922  | 1.88 |
|                 | 1.4 | 3449 | 961  | 1.96 |
|                 | 1.6 | 3343 | 1001 | 2.04 |
|                 | 1.8 | 3215 | 1044 | 2.13 |
| T10             | 0.2 | 4123 | 750  | 1.63 |
|                 | 0.4 | 4032 | 790  | 1.72 |
|                 | 0.6 | 3944 | 831  | 1.81 |
|                 | 0.8 | 3866 | 868  | 1.89 |
|                 | 1   | 3774 | 905  | 1.97 |
|                 | 1.2 | 3690 | 943  | 2.05 |
|                 | 1.4 | 3612 | 980  | 2.13 |
|                 | 1.6 | 3506 | 943  | 2.05 |
|                 | 1.8 | 3401 | 1068 | 2.32 |

Shaded speed tap - Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

10.0 Ton HP Data • Models: DSH1203D, DSH1204D, DSH1207D

| Down Flow |     |      |     |      |
|-----------|-----|------|-----|------|
| Speed Tap | ESP | CFM  | RPM | BHP  |
| T1**      | 0.2 | 2356 | 466 | 0.30 |
|           | 0.4 | 2189 | 549 | 0.36 |
|           | 0.6 | -    | -   | -    |
|           | 0.8 | -    | -   | -    |
| T2**      | 0.2 | 3026 | 543 | 0.56 |
|           | 0.4 | 2875 | 608 | 0.63 |
|           | 0.6 | 2733 | 670 | 0.70 |
|           | 0.8 | 2346 | 778 | 0.81 |
| T3        | 0.2 | 4008 | 649 | 1.16 |
|           | 0.4 | 3879 | 704 | 1.26 |
|           | 0.6 | 3759 | 758 | 1.35 |
|           | 0.8 | 3664 | 807 | 1.44 |
| T4        | 0.2 | 4152 | 693 | 1.33 |
|           | 0.4 | 4056 | 746 | 1.44 |
|           | 0.6 | 3940 | 793 | 1.53 |
|           | 0.8 | 3821 | 846 | 1.63 |
| T5        | 0.2 | 4430 | 697 | 1.49 |
|           | 0.4 | 4314 | 746 | 1.60 |
|           | 0.6 | 4171 | 794 | 1.70 |
|           | 0.8 | 4054 | 842 | 1.80 |
| T6        | 0.2 | 3203 | 555 | 0.64 |
|           | 0.4 | -    | -   | -    |
|           | 0.6 | -    | -   | -    |
|           | 0.8 | -    | -   | -    |
| T7        | 0.2 | 3490 | 588 | 0.79 |
|           | 0.4 | 3331 | 645 | 0.87 |
|           | 0.6 | 3211 | 704 | 0.95 |
|           | 0.8 | -    | -   | -    |
| T8        | 0.2 | 3656 | 606 | 0.88 |
|           | 0.4 | 3519 | 664 | 0.96 |
|           | 0.6 | 3388 | 721 | 1.04 |
|           | 0.8 | 3200 | 773 | 1.12 |
| T9        | 0.2 | 4152 | 693 | 1.33 |
|           | 0.4 | 4056 | 746 | 1.44 |
|           | 0.6 | 3940 | 793 | 1.53 |
|           | 0.8 | 3821 | 846 | 1.63 |
| T10       | 0.2 | 4430 | 697 | 1.49 |
|           | 0.4 | 4314 | 746 | 1.60 |
|           | 0.6 | 4171 | 794 | 1.70 |
|           | 0.8 | 4054 | 842 | 1.80 |

| Horizontal Flow |     |      |     |      |
|-----------------|-----|------|-----|------|
| Speed Tap       | ESP | CFM  | RPM | BHP  |
| T1**            | 0.2 | 2308 | 469 | 0.30 |
|                 | 0.4 | 1969 | 586 | 0.38 |
|                 | 0.6 | -    | -   | -    |
|                 | 0.8 | -    | -   | -    |
| T2**            | 0.2 | 2962 | 549 | 0.57 |
|                 | 0.4 | 2819 | 612 | 0.64 |
|                 | 0.6 | 2673 | 671 | 0.70 |
|                 | 0.8 | 2301 | 772 | 0.80 |
| T3              | 0.2 | 3897 | 669 | 1.20 |
|                 | 0.4 | 3800 | 718 | 1.28 |
|                 | 0.6 | 3694 | 765 | 1.37 |
|                 | 0.8 | 3588 | 814 | 1.45 |
| T4              | 0.2 | 4102 | 684 | 1.32 |
|                 | 0.4 | 4015 | 735 | 1.41 |
|                 | 0.6 | 3911 | 778 | 1.50 |
|                 | 0.8 | 3804 | 826 | 1.59 |
| T5              | 0.2 | 4287 | 716 | 1.54 |
|                 | 0.4 | 4193 | 760 | 1.63 |
|                 | 0.6 | 4097 | 808 | 1.73 |
|                 | 0.8 | 3995 | 849 | 1.82 |
| T6              | 0.2 | 3154 | 572 | 0.66 |
|                 | 0.4 | -    | -   | -    |
|                 | 0.6 | -    | -   | -    |
|                 | 0.8 | -    | -   | -    |
| T7              | 0.2 | 3405 | 604 | 0.81 |
|                 | 0.4 | 3281 | 660 | 0.89 |
|                 | 0.6 | 3150 | 720 | 0.97 |
|                 | 0.8 | -    | -   | -    |
| T8              | 0.2 | 3535 | 621 | 0.90 |
|                 | 0.4 | 3417 | 676 | 0.98 |
|                 | 0.6 | 3299 | 730 | 1.06 |
|                 | 0.8 | 3161 | 791 | 1.14 |
| T9              | 0.2 | 4102 | 684 | 1.32 |
|                 | 0.4 | 4015 | 735 | 1.41 |
|                 | 0.6 | 3911 | 778 | 1.50 |
|                 | 0.8 | 3804 | 826 | 1.59 |
| T10             | 0.2 | 4287 | 716 | 1.54 |
|                 | 0.4 | 4193 | 760 | 1.63 |
|                 | 0.6 | 4097 | 808 | 1.73 |
|                 | 0.8 | 3995 | 849 | 1.82 |

Shaded speed tap - Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

10.0 Ton Fan Data • DSH1203L, DSH1204L, DSH1207L

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2452 | 481  | 0.35 |
|           | 0.4 | 2285 | 561  | 0.40 |
|           | 0.6 | -    | -    | -    |
|           | 0.8 | -    | -    | -    |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T2**      | 0.2 | 2620 | 496  | 0.39 |
|           | 0.4 | 2455 | 571  | 0.45 |
|           | 0.6 | 2061 | 685  | 0.54 |
|           | 0.8 | -    | -    | -    |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
| T3        | 0.2 | 4315 | 689  | 1.41 |
|           | 0.4 | 4156 | 736  | 1.51 |
|           | 0.6 | 4047 | 787  | 1.61 |
|           | 0.8 | 3941 | 838  | 1.72 |
|           | 1   | 3828 | 881  | 1.81 |
|           | 1.2 | 3710 | 929  | 1.91 |
| T4        | 0.2 | 4501 | 714  | 1.61 |
|           | 0.4 | 4393 | 759  | 1.71 |
|           | 0.6 | 4279 | 809  | 1.82 |
|           | 0.8 | 4142 | 857  | 1.93 |
|           | 1   | 4037 | 900  | 2.03 |
|           | 1.2 | 3930 | 945  | 2.13 |
| T5        | 0.2 | 4687 | 732  | 1.78 |
|           | 0.4 | 4584 | 777  | 1.89 |
|           | 0.6 | 4466 | 825  | 2.00 |
|           | 0.8 | 4361 | 872  | 2.12 |
|           | 1   | 4246 | 916  | 2.22 |
|           | 1.2 | 4120 | 957  | 2.32 |
| T6        | 0.2 | 3996 | 1000 | 2.43 |
|           | 0.2 | 3842 | 643  | 1.08 |
|           | 0.4 | 3712 | 697  | 1.17 |
|           | 0.6 | 3600 | 751  | 1.26 |
|           | 0.8 | 3477 | 800  | 1.34 |
|           | 1   | 3353 | 855  | 1.44 |
| T7        | 0.2 | -    | -    | -    |
|           | 0.4 | 4125 | 675  | 1.30 |
|           | 0.6 | 4012 | 725  | 1.40 |
|           | 0.8 | 3896 | 776  | 1.49 |
|           | 1   | 3789 | 826  | 1.59 |
|           | 1.2 | 3679 | 873  | 1.68 |
| T8        | 0.2 | 3519 | 928  | 1.79 |
|           | 0.4 | 3146 | 1027 | 1.98 |
|           | 0.6 | 4315 | 689  | 1.41 |
|           | 0.8 | 4156 | 736  | 1.51 |
|           | 1   | 4047 | 787  | 1.61 |
|           | 1.2 | 3941 | 838  | 1.72 |
| T9        | 0.2 | 3828 | 881  | 1.81 |
|           | 0.4 | 3710 | 929  | 1.91 |
|           | 0.6 | 3369 | 1029 | 2.11 |
|           | 0.8 | 4501 | 714  | 1.61 |
|           | 1   | 4393 | 759  | 1.71 |
|           | 1.2 | 4279 | 809  | 1.82 |
| T10       | 0.2 | 4142 | 857  | 1.93 |
|           | 0.4 | 4037 | 900  | 2.03 |
|           | 0.6 | 3930 | 945  | 2.13 |
|           | 0.8 | 3786 | 995  | 2.24 |
|           | 1   | 4687 | 732  | 1.78 |
|           | 1.2 | 4584 | 777  | 1.89 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2457 | 493  | 0.35 |
|                 | 0.4 | 2301 | 571  | 0.41 |
|                 | 0.6 | -    | -    | -    |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T2**            | 0.2 | 2577 | 597  | 0.47 |
|                 | 0.4 | 2435 | 650  | 0.51 |
|                 | 0.6 | 2053 | 735  | 0.58 |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T3              | 0.2 | 4277 | 696  | 1.43 |
|                 | 0.4 | 4174 | 739  | 1.51 |
|                 | 0.6 | 4076 | 785  | 1.61 |
|                 | 0.8 | 3970 | 831  | 1.71 |
|                 | 1   | 3822 | 888  | 1.82 |
|                 | 1.2 | 3702 | 938  | 1.92 |
| T4              | 0.2 | 3427 | 1019 | 2.09 |
|                 | 0.4 | 4477 | 719  | 1.62 |
|                 | 0.6 | 4373 | 763  | 1.72 |
|                 | 0.8 | 4276 | 808  | 1.82 |
|                 | 1   | 4180 | 853  | 1.92 |
|                 | 1.2 | 4049 | 901  | 2.03 |
| T5              | 0.2 | 3933 | 950  | 2.14 |
|                 | 0.4 | 3791 | 1001 | 2.25 |
|                 | 0.6 | 4669 | 749  | 1.82 |
|                 | 0.8 | 4559 | 794  | 1.93 |
|                 | 1   | 4466 | 836  | 2.03 |
|                 | 1.2 | 4372 | 876  | 2.13 |
| T6              | 0.2 | 4226 | 924  | 2.24 |
|                 | 0.4 | 4126 | 970  | 2.35 |
|                 | 0.6 | 4002 | 1010 | 2.45 |
|                 | 0.8 | 3831 | 654  | 1.10 |
|                 | 1   | 3730 | 703  | 1.18 |
|                 | 1.2 | 3626 | 751  | 1.26 |
| T7              | 0.2 | 3503 | 803  | 1.35 |
|                 | 0.4 | 3377 | 859  | 1.44 |
|                 | 0.6 | -    | -    | -    |
|                 | 0.8 | -    | -    | -    |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
| T8              | 0.2 | 4102 | 684  | 1.32 |
|                 | 0.4 | 4015 | 735  | 1.41 |
|                 | 0.6 | 3911 | 778  | 1.50 |
|                 | 0.8 | 3804 | 826  | 1.59 |
|                 | 1   | 3700 | 875  | 1.68 |
|                 | 1.2 | 3540 | 933  | 1.80 |
| T9              | 0.2 | 3162 | 1028 | 1.98 |
|                 | 0.4 | 4277 | 696  | 1.43 |
|                 | 0.6 | 4174 | 739  | 1.51 |
|                 | 0.8 | 4076 | 785  | 1.61 |
|                 | 1   | 3970 | 831  | 1.71 |
|                 | 1.2 | 3822 | 888  | 1.82 |
| T10             | 0.2 | 3702 | 938  | 1.92 |
|                 | 0.4 | 3427 | 1019 | 2.09 |
|                 | 0.6 | 4477 | 719  | 1.62 |
|                 | 0.8 | 4373 | 763  | 1.72 |
|                 | 1   | 4276 | 808  | 1.82 |
|                 | 1.2 | 4180 | 853  | 1.92 |

Shaded speed tap - Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

10.0 Ton Fan Data • Models: DSH1203W, DSH1204W, DSH1207W

| Down Flow |     |      |      |      |
|-----------|-----|------|------|------|
| Speed Tap | ESP | CFM  | RPM  | BHP  |
| T1**      | 0.2 | 2682 | 504  | 0.45 |
|           | 0.4 | 2553 | 577  | 0.51 |
|           | 0.6 | 2181 | 691  | 0.61 |
|           | 0.8 | -    | -    | -    |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
|           | 1.8 | -    | -    | -    |
| T2**      | 0.2 | 2778 | 514  | 0.47 |
|           | 0.4 | 2633 | 583  | 0.53 |
|           | 0.6 | 2246 | 698  | 0.64 |
|           | 0.8 | 2046 | 751  | 0.68 |
|           | 1   | -    | -    | -    |
|           | 1.2 | -    | -    | -    |
|           | 1.4 | -    | -    | -    |
|           | 1.6 | -    | -    | -    |
|           | 1.8 | -    | -    | -    |
| T3        | 0.2 | 4809 | 751  | 1.68 |
|           | 0.4 | 4693 | 797  | 1.78 |
|           | 0.6 | 4579 | 840  | 1.88 |
|           | 0.8 | 4480 | 883  | 1.97 |
|           | 1   | 4374 | 920  | 2.05 |
|           | 1.2 | 4234 | 962  | 2.15 |
|           | 1.4 | 4107 | 1004 | 2.24 |
|           | 1.6 | 3846 | 1086 | 2.43 |
|           | 1.8 | 3558 | 1151 | 2.57 |
| T4        | 0.2 | 4992 | 772  | 1.85 |
|           | 0.4 | 4885 | 818  | 1.96 |
|           | 0.6 | 4765 | 857  | 2.05 |
|           | 0.8 | 4663 | 900  | 2.16 |
|           | 1   | 4556 | 937  | 2.25 |
|           | 1.2 | 4463 | 977  | 2.34 |
|           | 1.4 | 4340 | 1016 | 2.44 |
|           | 1.6 | 4146 | 1076 | 2.58 |
|           | 1.8 | 3833 | 1159 | 2.78 |
| T5        | 0.2 | 5194 | 643  | 1.64 |
|           | 0.4 | 5093 | 676  | 1.72 |
|           | 0.6 | 4988 | 710  | 1.81 |
|           | 0.8 | 4867 | 749  | 1.91 |
|           | 1   | 4769 | 781  | 1.99 |
|           | 1.2 | 4659 | 816  | 2.08 |
|           | 1.4 | 4543 | 854  | 2.18 |
|           | 1.6 | 4477 | 875  | 2.23 |
|           | 1.8 | 4050 | 997  | 2.54 |

| Horizontal Flow |     |      |      |      |
|-----------------|-----|------|------|------|
| Speed Tap       | ESP | CFM  | RPM  | BHP  |
| T1**            | 0.2 | 2701 | 550  | 0.49 |
|                 | 0.4 | 2631 | 586  | 0.52 |
|                 | 0.6 | 2304 | 701  | 0.62 |
|                 | 0.8 | 2163 | 750  | 0.66 |
|                 | 1   | -    | -    | -    |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
|                 | 1.8 | -    | -    | -    |
| T2**            | 0.2 | 2827 | 532  | 0.48 |
|                 | 0.4 | 2693 | 594  | 0.54 |
|                 | 0.6 | 2355 | 705  | 0.64 |
|                 | 0.8 | 2193 | 759  | 0.69 |
|                 | 1   | 2068 | 806  | 0.73 |
|                 | 1.2 | -    | -    | -    |
|                 | 1.4 | -    | -    | -    |
|                 | 1.6 | -    | -    | -    |
|                 | 1.8 | -    | -    | -    |
| T3              | 0.2 | 4683 | 789  | 1.76 |
|                 | 0.4 | 4593 | 814  | 1.82 |
|                 | 0.6 | 4497 | 855  | 1.91 |
|                 | 0.8 | 4388 | 894  | 2.00 |
|                 | 1   | 4297 | 932  | 2.08 |
|                 | 1.2 | 4167 | 972  | 2.17 |
|                 | 1.4 | 4085 | 1004 | 2.24 |
|                 | 1.6 | 3836 | 1089 | 2.43 |
|                 | 1.8 | 3553 | 1153 | 2.58 |
| T4              | 0.2 | 4878 | 798  | 1.91 |
|                 | 0.4 | 4779 | 837  | 2.01 |
|                 | 0.6 | 4692 | 874  | 2.10 |
|                 | 0.8 | 4580 | 912  | 2.19 |
|                 | 1   | 4491 | 951  | 2.28 |
|                 | 1.2 | 4379 | 988  | 2.37 |
|                 | 1.4 | 4280 | 11   | 0.03 |
|                 | 1.6 | 4170 | 1057 | 2.53 |
|                 | 1.8 | 3800 | 1163 | 2.79 |
| T5              | 0.2 | 5040 | 676  | 1.72 |
|                 | 0.4 | 4950 | 706  | 1.80 |
|                 | 0.6 | 4855 | 738  | 1.88 |
|                 | 0.8 | 4746 | 774  | 1.97 |
|                 | 1   | 4657 | 803  | 2.05 |
|                 | 1.2 | 4559 | 836  | 2.13 |
|                 | 1.4 | 4454 | 871  | 2.22 |
|                 | 1.6 | 4394 | 891  | 2.27 |
|                 | 1.8 | 4055 | 1004 | 2.56 |