

# Honda Aircraft Company

HA-420 AFM

PERFORMANCE

| Uncorrected Landing Field Length [feet] |              |                     |      |      |      |      |      |       |
|-----------------------------------------|--------------|---------------------|------|------|------|------|------|-------|
| Dry Runway, Zero Slope, No Wind         |              |                     |      |      |      |      |      |       |
| Flaps LDG, Ice Protection Off           |              |                     |      |      |      |      |      |       |
| ALT<br>[ft]                             | TEMP<br>[°C] | Landing Weight [lb] |      |      |      |      |      |       |
|                                         |              | 7600                | 8000 | 8500 | 9000 | 9500 | 9860 | 10600 |
|                                         |              | VREF [KIAS]         |      |      |      |      |      |       |
|                                         |              | 100                 | 102  | 105  | 108  | 111  | 113  | 117   |
| -1000                                   | -40          | 2539                | 2602 | 2703 | 2802 | 2900 | 2970 | 3112  |
|                                         | 15           | 2906                | 2981 | 3101 | 3219 | 3335 | 3418 | 3587  |
|                                         | 25           | 2973                | 3051 | 3173 | 3294 | 3414 | 3500 | 3674  |
|                                         | 35           | 3041                | 3120 | 3246 | 3371 | 3494 | 3581 | 3760  |
|                                         | 45           | 3108                | 3190 | 3319 | 3446 | 3573 | 3663 | 3846  |
|                                         | 50           | 3141                | 3224 | 3355 | 3484 | 3612 | 3703 | 3889  |
|                                         | 55           | 3174                | 3258 | 3390 | 3521 | 3651 | 3743 | 3931  |
| Sea Level                               | -40          | 2596                | 2662 | 2765 | 2867 | 2968 | 3040 | 3186  |
|                                         | 15           | 2976                | 3054 | 3177 | 3298 | 3418 | 3504 | 3678  |
|                                         | 25           | 3046                | 3126 | 3252 | 3377 | 3500 | 3588 | 3767  |
|                                         | 35           | 3116                | 3198 | 3327 | 3455 | 3582 | 3672 | 3856  |
|                                         | 45           | 3185                | 3269 | 3402 | 3534 | 3663 | 3756 | 3945  |
|                                         | 50           | 3219                | 3305 | 3439 | 3572 | 3704 | 3797 | 3989  |
|                                         | 55           | 3253                | 3340 | 3476 | 3611 | 3744 | 3839 | 4032  |
| 1000                                    | -40          | 2657                | 2724 | 2830 | 2935 | 3039 | 3113 | 3264  |
|                                         | 10           | 3014                | 3093 | 3218 | 3341 | 3462 | 3549 | 3726  |
|                                         | 20           | 3085                | 3167 | 3295 | 3422 | 3547 | 3636 | 3818  |
|                                         | 30           | 3157                | 3241 | 3373 | 3503 | 3631 | 3723 | 3910  |
|                                         | 40           | 3229                | 3315 | 3450 | 3583 | 3715 | 3810 | 4001  |
|                                         | 45           | 3265                | 3352 | 3488 | 3624 | 3757 | 3853 | 4047  |
|                                         | 50           | 3300                | 3388 | 3526 | 3663 | 3799 | 3895 | 4092  |
| 2000                                    | -40          | 2721                | 2791 | 2900 | 3008 | 3115 | 3191 | 3346  |
|                                         | 10           | 3090                | 3172 | 3300 | 3427 | 3552 | 3642 | 3823  |
|                                         | 20           | 3165                | 3249 | 3381 | 3511 | 3640 | 3731 | 3919  |
|                                         | 30           | 3239                | 3325 | 3461 | 3594 | 3727 | 3821 | 4013  |
|                                         | 40           | 3313                | 3402 | 3540 | 3678 | 3813 | 3910 | 4108  |
|                                         | 45           | 3349                | 3439 | 3580 | 3719 | 3856 | 3955 | 4155  |
|                                         | 50           | 3386                | 3477 | 3619 | 3760 | 3899 | 3998 | 4201  |

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# HA420 AFM Supplement Uncorrected Landing Field Length – Wet Runway

| Uncorrected Landing Field Length [feet] |              |                     |      |      |      |      |      |       |
|-----------------------------------------|--------------|---------------------|------|------|------|------|------|-------|
| Wet Runway, Zero Slope, No Wind         |              |                     |      |      |      |      |      |       |
| Flaps LDG, Ice Protection Off           |              |                     |      |      |      |      |      |       |
| ALT<br>[ft]                             | TEMP<br>[°C] | Landing Weight [lb] |      |      |      |      |      |       |
|                                         |              | 7600                | 8000 | 8500 | 9000 | 9500 | 9860 | 10600 |
|                                         |              | VREF [KIAS]         |      |      |      |      |      |       |
|                                         |              | 100                 | 102  | 105  | 108  | 111  | 113  | 117   |
| -1000                                   | 0            | 4831                | 4963 | 5170 | 5376 | 5579 | 5725 | 6022  |
|                                         | 10           | 4955                | 5090 | 5304 | 5516 | 5726 | 5877 | 6182  |
|                                         | 20           | 5078                | 5217 | 5438 | 5656 | 5873 | 6027 | 6343  |
|                                         | 30           | 5204                | 5347 | 5573 | 5798 | 6020 | 6181 | 6505  |
|                                         | 40           | 5329                | 5478 | 5710 | 5942 | 6171 | 6334 | 6668  |
|                                         | 50           | 5454                | 5606 | 5845 | 6082 | 6318 | 6486 | 6829  |
|                                         | 55           | 5516                | 5670 | 5912 | 6152 | 6391 | 6561 | 6909  |
| Sea Level                               | 0            | 4955                | 5092 | 5306 | 5518 | 5726 | 5877 | 6182  |
|                                         | 10           | 5083                | 5224 | 5444 | 5663 | 5878 | 6034 | 6349  |
|                                         | 20           | 5210                | 5356 | 5583 | 5807 | 6030 | 6189 | 6515  |
|                                         | 30           | 5341                | 5489 | 5723 | 5955 | 6184 | 6349 | 6683  |
|                                         | 40           | 5471                | 5625 | 5865 | 6102 | 6338 | 6506 | 6852  |
|                                         | 50           | 5600                | 5756 | 6004 | 6247 | 6490 | 6663 | 7017  |
|                                         | 55           | 5665                | 5823 | 6072 | 6321 | 6566 | 6742 | 7099  |