

LOAD DATA SHEET - PAGE 1 OF 3 - AEROPLANE WEIGHT

Aeroplane Type:..... DIAMOND DA 42 NG

Registration Marking:..... **VH-VMX**

Serial No: 42.N139

ISSUE:.... TWO DATE:..... 3-Apr-20 EXPIRY:..... INDEFINITE

AEROPLANE WEIGHT AND CENTRE OF GRAVITY DATA:

| ITEM | WEIGHT (Kg) | ARM (mm aft of datum) | MOMENT (Kg.mm) | CABIN CONFIGURATION |
|--|----------------|-----------------------------|-------------------|------------------------|
| EMPTY | 1411.3 | 2392.5 | 3376567 | FOUR SEATS TOTAL |
| STANDARD CABIN CONFIGURATION AUSTRO ENGINES & MT PROPELLERS | | | | |
| THE FOLLOWING IMPERIAL UNITS ARE FOR USE WITH THE PILOTS HANDBOOK SECTION SIX | | | | |
| | (lb) | (in) | (in.lb) | |
| EMPTY | 3111.5 | 94.19 | 293073 | FOUR SEATS TOTAL |

NOTE: The above empty weights include:-

EMPTY - unusable fuel and full oil

AeroWeigh Pty. Ltd.

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AUTHORITY MEMBER 9

MOBILE: 0412 58 5551

| CALCULATION OF LOADING CONDITION | DA 42 NG (Example) | | Your DA 42 NG | |
|---|-----------------------|----------------------------|----------------------|----------------------------|
| | Mass [kg] [lb] | Moment [kgm] [in.lb] | Mass [kg] [lb] | Moment [kgm] [in.lb] |
| 1. Empty mass (from Mass and Balance Report) | 1450 3197 | 3488.0 302,747 | | |
| 2. Front seats Lever arm: 2.30 m (90.6 in) | 160 353 | 368.0 31,982 | | |
| 3. Rear seats Lever arm: 3.25 m (128.0 in) | 0 0 | 0.0 0,0 | | |
| 4. Nose baggage compt. Lever arm: 0.60 m (23.6 in) | 0 0 | 0.0 0,0 | | |
| 5. Cabin baggage compt. Lever arm: 3.89 m (153.1 in) | 10 22 | 38.9 3,368 | | |
| 6. Baggage extension Lever arm: 4.54 m (178.7 in) | 8 18 | 36.3 3,217 | | |
| 7. Standard baggage compartment Lever arm: 3.65 m (143.7 in) | 0 0 | 0.0 0,0 | | |
| 8. Short baggage extension (if OÄM 42-207 is carried out) Lever arm: 3.97 m (156.3 in) | 0 0 | 0.0 0,0 | | |
| 9. De-icing fluid (if only OÄM 42-160 is installed; see NOTE on previous page) (1.1 kg/liter) (9.2 lb/US gal) Lever arm: 1.00 m (39.4 in) | 27.5 61 | 27.5 2,403 | | |

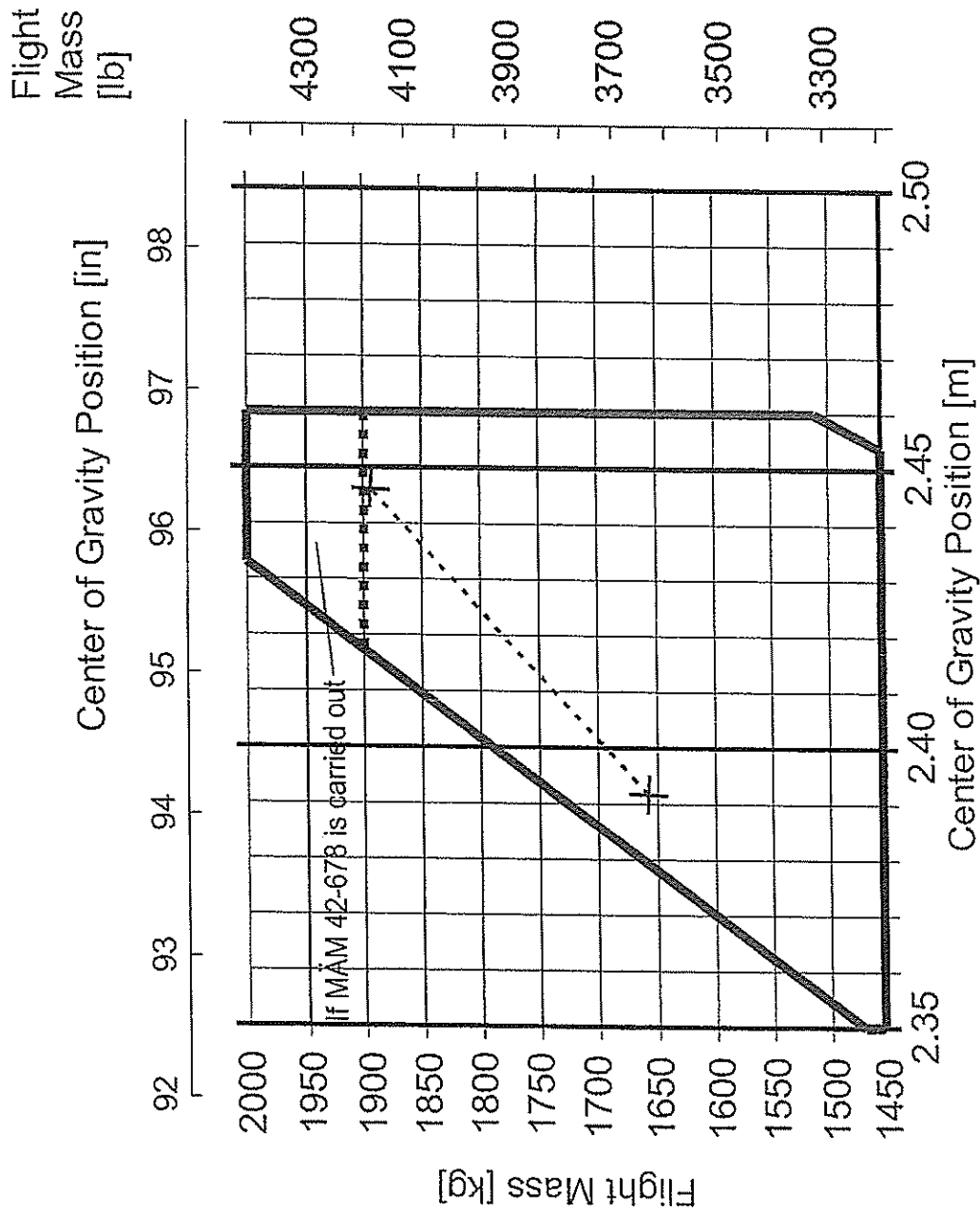
| CALCULATION OF LOADING CONDITION | DA 42 NG (Example) | | Your DA 42 NG | |
|--|----------------------|----------------------------|----------------------|----------------------------|
| | Mass [kg] [lb] | Moment [kgm] [in.lb] | Mass [kg] [lb] | Moment [kgm] [in.lb] |
| 10. De-icing fluid (if OÄM 42-160 AND OÄM 42-203 are installed; see NOTE on previous page) (1.1 kg/liter) (9.2 lb/US gal) Lever arm: 4.52 m (178.0 in) | 0 0 | 0.0 0.0 | | |
| 11. Total mass & total moment with empty fuel tanks (Total of 1.through 10.) | 1655.5 3651 | 3958.7 343,717 | | |
| 12. Usable fuel, main tanks (0.84 kg/liter) (7.01 lb/US gal) Lever arm: 2.63 m (103.5 in) | 159 351 | 418.2 36,329 | | |
| 13. Usable fuel, auxiliary tanks (if installed) (0.84 kg/liter) (7.01 lb/US gal) Lever arm: 3.20 m (126.0 in) | 84 185 | 268.8 23,310 | | |
| 14. Total mass & total moment with fuel & de-icing fluid (Total of 11. through 13.) | 1898.5 4187 | 4645.7 403,356 | | |

The CG's shown in the following diagrams are those from the example in Section 6.4.3 - CALCULATION OF LOADING CONDITION, rows 11 and 14.

6. MASS AND BALANCE

6.4 FLIGHT MASS AND CENTER OF GRAVITY

6.4.4 PERMISSIBLE CENTER OF GRAVITY RANGE



5.3.6 TAKE-OFF DISTANCE

Conditions:

- Power lever both MAX
- Flaps UP or APP
- Runway dry, paved, level
- Nose wheel lift-off @ V_R
- Airspeed for initial climb @ V_{50}

The following factors are to be applied to the computed take-off distance for the noted condition:

- Headwind: Decrease by 10% for each 14 kt (7.2 m/s) headwind.
- Tailwind: Increase by 10% for each 3 kt (1.5 m/s) tailwind.
- Grass runway, dry, 5 cm (2 in) long: Increase the ground roll by 10%.
- Grass runway, dry, 5 cm (2 in) to 10 cm (3.9 in) long: Increase the ground roll by 15%.
- Grass runway, dry, 25 cm (9.8 in) long: Increase the ground roll by 25%.
- Grass runway, longer than 25 cm (9.8 in): A take-off should not be attempt.
- Grass runway, wet: Increase the dry grass runway distance calculation by 10%.
- Soft ground: Increase the ground roll by 45% (in addition to the grass runway distance calculation, if applicable).
- Uphill slope: Increase the ground roll by 9% for each 1% (1 m per 100 m or 1 ft per 100 ft) slope.

If brakes are not held while applying power, distances apply where full power setting is complete.

WARNING

For a safe take-off the available runway length must be at least equal to the take-off distance over a 50 ft (15 m) obstacle.

WARNING

Poor maintenance condition of the airplane, deviation from the given procedures, uneven runway, as well as unfavorable external factors (rain, unfavorable wind conditions, including cross-wind) will increase the take-off distance.

CAUTION

The factors in the above corrections are typical values. On wet ground or wet soft grass covered runways the take-off roll may become significantly longer than stated above. In any case the pilot must allow for the condition of the runway to ensure a safe take-off.

The above corrections for runway slope should be used with caution since published runway slope data is usually the net slope from one end of the runway to the other. Runways may have positions at their length at greater or lesser slopes than published slope, lengthening (or shortening) the take-off roll estimated with these tables.

NOTE

The effect of 50% of the headwind component and 150% of the tailwind component is already incorporated in the head- and tailwind factors.

| Take-Off Distance - Normal Procedure - 1700 kg / 3748 lb | | | | | | | | |
|--|-----------------|---------------------------------------|---------------------------|---------|---------|----------|----------|-----|
| Weight: 1700 kg / 3748 lb | | | Flaps: UP | | | | | |
| V _R : 76 KIAS | | | Power: MAX | | | | | |
| V ₅₀ : 83 KIAS | | | Runway: dry, paved, level | | | | | |
| Press. Alt. [ft] / [m] | Distance [m] | Outside Air Temperature - [°C] / [°F] | | | | | | ISA |
| | | 0 / 32 | 10 / 50 | 20 / 68 | 30 / 86 | 40 / 104 | 50 / 122 | |
| SL | Ground Roll | 330 | 350 | 360 | 390 | 460 | 560 | 350 |
| | 15 m / 50 ft | 580 | 600 | 630 | 680 | 810 | 1010 | 613 |
| 1000 305 | Ground Roll | 350 | 360 | 390 | 420 | 500 | 600 | 367 |
| | 15 m / 50 ft | 598 | 630 | 670 | 730 | 890 | 1100 | 633 |
| 2000 610 | Ground Roll | 370 | 390 | 410 | 450 | 540 | 650 | 384 |
| | 15 m / 50 ft | 630 | 660 | 700 | 780 | 970 | 1190 | 661 |
| 3000 914 | Ground Roll | 390 | 410 | 440 | 480 | 590 | 710 | 401 |
| | 15 m / 50 ft | 660 | 700 | 740 | 840 | 1050 | 1290 | 689 |
| 4000 1219 | Ground Roll | 410 | 430 | 460 | 530 | 640 | 770 | 420 |
| | 15 m / 50 ft | 700 | 730 | 790 | 910 | 1140 | 1390 | 717 |
| 5000 1524 | Ground Roll | 430 | 460 | 490 | 580 | 700 | / | 439 |
| | 15 m / 50 ft | 730 | 770 | 840 | 1000 | 1240 | / | 748 |
| 6000 1829 | Ground Roll | 460 | 490 | 530 | 630 | 760 | / | 461 |
| | 15 m / 50 ft | 770 | 820 | 900 | 1090 | 1340 | / | 779 |
| 7000 2134 | Ground Roll | 480 | 520 | 560 | 680 | 820 | / | 483 |
| | 15 m / 50 ft | 810 | 870 | 960 | 1180 | 1450 | / | 815 |
| 8000 2438 | Ground Roll | 520 | 550 | 610 | 740 | 890 | / | 507 |
| | 15 m / 50 ft | 860 | 920 | 1030 | 1290 | 1570 | / | 853 |
| 9000 2743 | Ground Roll | 550 | 590 | 670 | 810 | 970 | / | 532 |
| | 15 m / 50 ft | 910 | 980 | 1130 | 1410 | 1740 | / | 891 |
| 10000 3048 | Ground Roll | 590 | 640 | 740 | 910 | / | / | 560 |
| | 15 m / 50 ft | 980 | 1070 | 1270 | 1600 | / | / | 935 |

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

5.3.7 CLIMB PERFORMANCE (ALL ENGINES OPERATING)

Conditions:

- Power lever both 92%
- Flaps UP or APP
- Landing gear retracted
- Airspeed V_Y

The climb performance tables show the rate of climb. The gradient of climb can be calculated using the following formula:

$$\text{Gradient [\%]} = \frac{\text{ROC [fpm]}}{\text{TAS [KTAS]}} \cdot 0.98$$

NOTE

Rate of climb at MTOM (1900 kg / 4189 lb) with a power setting of 100% at MSL and ISA conditions:

- 1337 ft/min (6.8 m/s) with flaps UP
- 1267 ft/min (6.4 m/s) with flaps APP

NOTE

If MÄM 42-678 is installed, the rate of climb at MTOM (1999 kg / 4407 lb) with a power setting of 100% at MSL and ISA conditions:

- 1243 ft/min (6.3 m/s) with flaps UP
- 1183 ft/min (6.0 m/s) with flaps APP

All Engines Operating Climb - Flaps UP

Flaps: UP

Power: 92%

v_y : 92 KIAS above 1900 kg (4189 lb)
90 KIAS up to 1900 kg (4189 lb)

Gear: retracted

| Weight [kg] / [lb] | Press. Alt. [ft] | Press. Alt. [m] | Rate of Climb - [ft/min] | | | | | | | | |
|--------------------|------------------|-----------------|---------------------------------------|-----------|---------|----------|----------|----------|-----------|-----------|------|
| | | | Outside Air Temperature - [°C] / [°F] | | | | | | | | ISA |
| | | | -20 -4 | -10 14 | 0 32 | 10 50 | 20 68 | 30 86 | 40 104 | 50 122 | |
| 1700 / 3748 | SL | | 1380 | 1380 | 1380 | 1380 | 1370 | 1370 | 1290 | 1100 | 1378 |
| | 2000 | 610 | 1380 | 1380 | 1370 | 1360 | 1360 | 1350 | 1210 | 1030 | 1368 |
| | 4000 | 1219 | 1370 | 1360 | 1360 | 1350 | 1340 | 1320 | 1130 | 960 | 1357 |
| | 6000 | 1829 | 1360 | 1350 | 1340 | 1340 | 1330 | 1240 | 1060 | / | 1345 |
| | 8000 | 2438 | 1340 | 1340 | 1330 | 1320 | 1310 | 1170 | 1000 | / | 1334 |
| | 10000 | 3048 | 1330 | 1320 | 1310 | 1300 | 1250 | 1050 | / | / | 1320 |
| | 12000 | 3658 | 1310 | 1300 | 1290 | 1290 | 1080 | 890 | / | / | 1299 |
| | 14000 | 4267 | 1290 | 1290 | 1220 | 1070 | 870 | 710 | / | / | 1289 |
| | 16000 | 4877 | 1280 | 1200 | 1070 | 900 | 730 | / | / | / | 1278 |
| | 18000 | 5486 | 1140 | 1040 | 930 | 760 | 590 | / | / | / | 1151 |

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

5.3.8 ONE ENGINE INOPERATIVE CLIMB PERFORMANCE

Conditions:

- Remaining engine 92% load
- Dead engine feathered and secured
- Flaps UP
- Landing gear retracted
- Airspeed $V_{YSE} = 85$ KIAS
- Sideslip one ball out, max. 5° bank

NOTE

With respect to handling and performance, the left-hand engine (pilots view) is considered the "critical" engine.

The climb performance tables show the rate of climb. The gradient of climb can be calculated using the following formula:

$$\text{Gradient} [\%] = \frac{ROC [fpm]}{TAS [KTAS]} \cdot 0.98$$

One Engine Inoperative Climb

Flaps: UP

Power: feathered / 92%

V_{YSE}: 85 KIAS

Gear: retracted

| Weight [kg] / [lb] | Press. Alt. [ft] | Press. Alt. [m] | Rate of Climb - [ft/min] | | | | | | | | |
|--------------------|------------------|-----------------|---------------------------------------|-----------|---------|----------|----------|----------|-----------|-----------|-----|
| | | | Outside Air Temperature - [°C] / [°F] | | | | | | | | ISA |
| | | | -20 -4 | -10 14 | 0 32 | 10 50 | 20 68 | 30 86 | 40 104 | 50 122 | |
| 1700 / 3748 | SL | | 390 | 375 | 365 | 355 | 345 | 330 | 300 | 220 | 350 |
| | 2000 | 610 | 365 | 355 | 340 | 330 | 320 | 305 | 245 | 170 | 331 |
| | 4000 | 1219 | 340 | 330 | 315 | 305 | 290 | 275 | 200 | 125 | 311 |
| | 6000 | 1829 | 320 | 305 | 290 | 275 | 265 | 225 | 150 | | 287 |
| | 8000 | 2438 | 290 | 275 | 260 | 245 | 230 | 180 | 105 | | 263 |
| | 10000 | 3048 | 260 | 245 | 230 | 215 | 190 | 100 | | | 237 |
| | 12000 | 3658 | 225 | 210 | 195 | 185 | 95 | 10 | | | 210 |
| | 14000 | 4267 | 195 | 180 | 140 | 65 | -25 | -90 | | | 186 |
| | 16000 | 4877 | 165 | 115 | 45 | -35 | -110 | | | | 161 |
| 18000 | 5486 | 80 | 20 | -45 | -120 | -195 | | | | 83 | |

CAUTION: Dark grey shaded areas indicate a climb rate of less than 50 ft/min.
For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

5.3.12 GO-AROUND CLIMB PERFORMANCE

Conditions:

- Power lever both MAX
- Flaps LDG
- Landing gear extended
- Airspeed:
 - Up to 1900 kg (4189 lb) $V_{REF} = 84$ KIAS
 - Above 1900 kg (4189 lb) $V_{REF} = 86$ KIAS

The climb performance charts show the rate of climb. The gradient and angle of climb can be calculated using the following formula:

$$Gradient [\%] = \frac{ROC [fpm]}{TAS [KTAS]} \cdot 0.98$$

NOTE

The angles of climb at MSL and ISA condition are:

4.7° for Maximum Take-Off Mass (1900 kg / 4189 lb)

5.1° for Maximum Landing Mass (1805 kg / 3979 lb)

If MAM 42-678 is carried out:

3.9° for Maximum Take-Off Mass (1999 kg / 4407 lb)

Go-Around Climb Performance

Flaps: LDG

Power: MAX

V_{REF}: 86 KIAS above 1900 kg (4189 lb)
84 KIAS up to 1900 kg (4189 lb)

Gear: extended

| Weight [kg] / [lb] | Press. Alt. [ft] | Press. Alt. [m] | Rate of Climb - [ft/min] | | | | | | | | |
|--------------------|------------------|-----------------|---------------------------------------|-----------|---------|----------|----------|----------|-----------|-----------|-----|
| | | | Outside Air Temperature - [°C] / [°F] | | | | | | | | ISA |
| | | | -20 -4 | -10 14 | 0 32 | 10 50 | 20 68 | 30 86 | 40 104 | 50 122 | |
| 1700 / 3748 | SL | | 865 | 845 | 830 | 810 | 795 | 725 | 575 | 410 | 805 |
| | 2000 | 610 | 830 | 810 | 795 | 775 | 740 | 640 | 470 | 315 | 777 |
| | 4000 | 1219 | 795 | 775 | 760 | 735 | 675 | 545 | 375 | 225 | 746 |
| | 6000 | 1829 | 760 | 735 | 710 | 680 | 595 | 440 | 285 | / | 707 |
| | 8000 | 2438 | 710 | 685 | 665 | 620 | 520 | 350 | 200 | / | 667 |
| | 10000 | 3048 | 660 | 635 | 600 | 520 | 380 | 205 | / | / | 626 |

For the rate of climb in [m/s] divide by 196.8 or multiply by 0.00508.

5.3.11 LANDING DISTANCES

Conditions:

- Power lever both IDLE
- Flaps LDG, APP or UP
- Runway dry, paved, level
- Approach speed V_{REF}

The following factors are to be applied to the computed landing distance for the noted condition:

- Headwind: Decrease by 10% for each 14 kt (7.2 m/s) headwind.
- Tailwind: Increase by 10% for each 3 kt (1.5 m/s) tailwind.
- Paved runway, wet: Increase by 15%.
- Grass runway, dry, 5 cm (2 in) long: Increase the ground roll by 10%.
- Grass runway, dry, 5 cm (2 in) to 10 cm (3.9 in) long: Increase the ground roll by 15%.
- Grass runway, dry, longer than 10 cm (3.9 in): Increase the ground roll at least by 25%.
- Grass runway, wet or soft runway: Increase the ground roll by 10%.
- Downhill slope: Increase the ground roll by 9% for each 1% (1 m per 100 m or 1 ft per 100 ft) of slope.

WARNING

For a safe landing the available runway length must be at least equal to the landing distance over a 50 ft (15 m) obstacle.

WARNING

Poor maintenance condition of the airplane, deviation from the given procedures, uneven runway, as well as unfavorable external factors (rain, unfavorable wind conditions, including cross-wind) will increase the landing distance.

CAUTION

The factors in the above corrections are typical values. On wet ground or wet soft grass covered runways the landing distance may become significantly longer than stated above. In any case the pilot must allow for the condition of the runway to ensure a safe landing.

The above corrections for runway slope should be used with caution since published runway slope data is usually the net slope from one end of the runway to the other. Runways may have positions at their length at greater or lesser slopes than published slope, lengthening (or shortening) the landing roll estimated with these tables.

NOTE

The effect of 50% of the headwind component and 150% of the tailwind component is already incorporated in the head- and tailwind factors.

| Landing Distance - Flaps LDG - 1700 kg / 3748 lb | | | | | | | | |
|--|-----------------|---------------------------------------|-------------|---------|---------|----------|----------|-----|
| Weight: 1700 kg / 3748 lb | | | Flaps: LDG | | | | | |
| V _{REF} : 84 KIAS | | | Power: IDLE | | | | | |
| Runway: dry, paved, level | | | | | | | | |
| Press. Alt. [ft] / [m] | Distance [m] | Outside Air Temperature - [°C] / [°F] | | | | | | ISA |
| | | 0 / 32 | 10 / 50 | 20 / 68 | 30 / 86 | 40 / 104 | 50 / 122 | |
| SL | Ground Roll | 320 | 340 | 350 | 360 | 390 | 430 | 335 |
| | 15 m / 50 ft | 550 | 570 | 590 | 600 | 650 | 730 | 577 |
| 1000 305 | Ground Roll | 340 | 350 | 360 | 370 | 410 | 460 | 346 |
| | 15 m / 50 ft | 570 | 590 | 610 | 620 | 680 | 760 | 591 |
| 2000 610 | Ground Roll | 350 | 360 | 370 | 380 | 430 | 480 | 356 |
| | 15 m / 50 ft | 590 | 610 | 630 | 640 | 720 | 800 | 605 |
| 3000 914 | Ground Roll | 360 | 370 | 380 | 400 | 450 | 500 | 367 |
| | 15 m / 50 ft | 610 | 630 | 640 | 670 | 750 | 840 | 621 |
| 4000 1219 | Ground Roll | 370 | 380 | 400 | 420 | 480 | 530 | 376 |
| | 15 m / 50 ft | 630 | 650 | 660 | 700 | 790 | 880 | 636 |
| 5000 1524 | Ground Roll | 390 | 400 | 410 | 450 | 500 | | 388 |
| | 15 m / 50 ft | 650 | 670 | 690 | 740 | 830 | | 652 |
| 6000 1829 | Ground Roll | 400 | 410 | 430 | 470 | 530 | | 401 |
| | 15 m / 50 ft | 670 | 690 | 710 | 780 | 870 | | 670 |
| 7000 2134 | Ground Roll | 420 | 440 | 450 | 500 | 560 | | 417 |
| | 15 m / 50 ft | 690 | 720 | 740 | 820 | 920 | | 693 |
| 8000 2438 | Ground Roll | 450 | 460 | 490 | 550 | 610 | | 445 |
| | 15 m / 50 ft | 740 | 760 | 790 | 890 | 990 | | 731 |
| 9000 2743 | Ground Roll | 490 | 510 | 540 | 610 | 680 | | 481 |
| | 15 m / 50 ft | 790 | 810 | 860 | 960 | 1070 | | 775 |
| 10000 3048 | Ground Roll | 530 | 550 | 600 | 670 | | | 522 |
| | 15 m / 50 ft | 850 | 870 | 940 | 1050 | | | 828 |

For the distance in [ft] divide by 0.3048 or multiply by 3.28.

| Landing Distance - Flaps LDG - 1805 kg / 3979 lb | | | | | | | | |
|--|-----------------|---------------------------------------|---------|---------|-------------|----------|----------|-----|
| Weight: | | 1805 kg / 3979 lb | | | Flaps: LDG | | | |
| V _{REF} : | | 84 KIAS | | | Power: IDLE | | | |
| Runway: dry, paved, level | | | | | | | | |
| Press. Alt. [ft] / [m] | Distance [m] | Outside Air Temperature - [°C] / [°F] | | | | | | ISA |
| | | 0 / 32 | 10 / 50 | 20 / 68 | 30 / 86 | 40 / 104 | 50 / 122 | |
| SL | Ground Roll | 334 | 347 | 360 | 370 | 401 | 451 | 353 |
| | 15 m / 50 ft | 573 | 590 | 607 | 625 | 672 | 753 | 598 |
| 1000 305 | Ground Roll | 347 | 360 | 371 | 384 | 423 | 473 | 364 |
| | 15 m / 50 ft | 590 | 608 | 626 | 644 | 705 | 790 | 613 |
| 2000 610 | Ground Roll | 360 | 371 | 385 | 399 | 445 | 500 | 373 |
| | 15 m / 50 ft | 608 | 627 | 645 | 663 | 741 | 827 | 629 |
| 3000 914 | Ground Roll | 372 | 386 | 400 | 415 | 470 | 528 | 385 |
| | 15 m / 50 ft | 628 | 646 | 665 | 691 | 777 | 866 | 645 |
| 4000 1219 | Ground Roll | 386 | 401 | 413 | 440 | 494 | 553 | 397 |
| | 15 m / 50 ft | 647 | 667 | 687 | 726 | 816 | 909 | 661 |
| 5000 1524 | Ground Roll | 399 | 414 | 429 | 463 | 522 | / | 407 |
| | 15 m / 50 ft | 668 | 689 | 709 | 764 | 856 | / | 679 |
| 6000 1829 | Ground Roll | 415 | 431 | 444 | 490 | 552 | / | 420 |
| | 15 m / 50 ft | 690 | 710 | 732 | 803 | 898 | / | 696 |
| 7000 2134 | Ground Roll | 435 | 451 | 465 | 523 | 588 | / | 437 |
| | 15 m / 50 ft | 719 | 741 | 764 | 852 | 952 | / | 721 |
| 8000 2438 | Ground Roll | 466 | 484 | 503 | 571 | 638 | / | 465 |
| | 15 m / 50 ft | 760 | 783 | 814 | 917 | 1025 | / | 758 |
| 9000 2743 | Ground Roll | 506 | 522 | 556 | 626 | 703 | / | 500 |
| | 15 m / 50 ft | 809 | 835 | 884 | 995 | 1109 | / | 802 |
| 10000 3048 | Ground Roll | 550 | 570 | 615 | 694 | / | / | 540 |
| | 15 m / 50 ft | 868 | 894 | 964 | 1082 | / | / | 855 |

For the distance in [ft] divide by 0.3048 or multiply by 3.28.