

## POWER

| Power      | 60% | 70% | 80% |
|------------|-----|-----|-----|
| FF Gal/h   | 4,0 | 4,8 | 5,7 |
| FF Liter/h | 15  | 18  | 22  |
| FF Kg/h    | 12  | 15  | 17  |

## WEIGHTS

|                                      |    |       |
|--------------------------------------|----|-------|
| Basic Empty Weight                   | Kg | 840   |
| Arm Aft Datum (empty)                | m  | 2,453 |
| MTOW                                 | Kg | 1150  |
| Baggage                              | Kg | 30    |
| Tillsatsvikt                         | Kg | 310   |
| Tillsatsvikt med fulla tankar 39 Gal | Kg | 192   |

## Cruise Performance

| PA  | ISA | True Airspeed KT |     |     |
|-----|-----|------------------|-----|-----|
|     |     | 60%              | 70% | 80% |
| 10  | 13  | 106              | 116 | 122 |
| 20  | 11  | 107              | 117 | 123 |
| 30  | 9   | 108              | 118 | 124 |
| 40  | 7   | 109              | 119 | 126 |
| 50  | 5   | 110              | 120 | 127 |
| 60  | 3   | 111              | 121 | 128 |
| 70  | 1   | 112              | 122 | 129 |
| 80  | -1  | 112              | 123 | 130 |
| 90  | -3  | 113              | 124 | 131 |
| 100 | -5  | 114              | 125 | 132 |
| 110 | -7  | 115              | 126 | 132 |
| 120 | -9  | 116              | 127 | 132 |

## SPEED

|     |                                    | MTOW |
|-----|------------------------------------|------|
| X-W | Max demo crosswind                 | 20   |
| Vs  | Stall speed Flaps UP               | 52   |
| Vs  | Stall speed Flaps LDG              | 49   |
| Vr  | Airspeed for rotation              | 59   |
| Vx  | Best angle of climb speed          | 66   |
| Vy  | Best rate of climb speed           | 66   |
|     | Cruise climb                       | 73   |
| Vg  | Best glide angle                   | 73   |
| Vfe | Max flaps extended speed LDG       | 91   |
| Vfe | Max flaps extended speed T/O       | 108  |
| Va  | Maneuvering speed                  | 108  |
| Vno | Max structural cruising speed      | 129  |
| Vne | <b>RED LINE</b> Never exceed speed | 178  |
|     | Approach speed Flaps LDG           | 71   |

## FUEL ADD

|       | Holding | Taxi |
|-------|---------|------|
| Power | 50%     |      |
| Min   | 00:45   |      |
| Gal   | 3       | 1    |
| Liter | 11      | 4    |
| FF Kg | 9       | 3    |

## FIELD REQUIREMENTS

| MTOW - IAS - SL - HARD RW - NO WIND |            |       |                   |   |
|-------------------------------------|------------|-------|-------------------|---|
|                                     | Speed KIAS | Flaps | Ground roll meter | Available Runway Distans over 50 ft least meter |
| <b>Take off</b>                     |            |       |                   |   |
| - Normal                            | VR 59      | T/O   | 340               | 640   |
| <b>Landing</b>                      |            |       |                   |   |
| - Normal                            | 67         | LDG   | 287               | 744   |
| - Flaps UP                          | 67         | UP    | 304               | 916   |

## FUEL

| FUEL  | Total | Usable fuel |          |
|-------|-------|-------------|----------|
|       |       | Full        | Standard |
| Gal   | 41    | 39          | 28       |
| Liter | 155   | 148         | 106      |
| Kg    | 124   | 118         | 85       |

## FLIGHT PLAN

|                     |                    |
|---------------------|--------------------|
| TYPE                | DA40               |
| WAKE TURBULENCE CAT | L                  |
| EQUIPMENT           | SDGRY/S PBN/B2D2S1 |
| EMERGENCY RADIO     | ELT                |

## OIL

|       | Max | Min |
|-------|-----|-----|
| Liter | 6   | 4,5 |

## POWER SETTING

|              |      |
|--------------|------|
| Climb        | 100% |
| Cruise       | 70%  |
| Descend      | 50%  |
| Holding      | 50%  |
| ILS/NDB Appr | 40%  |

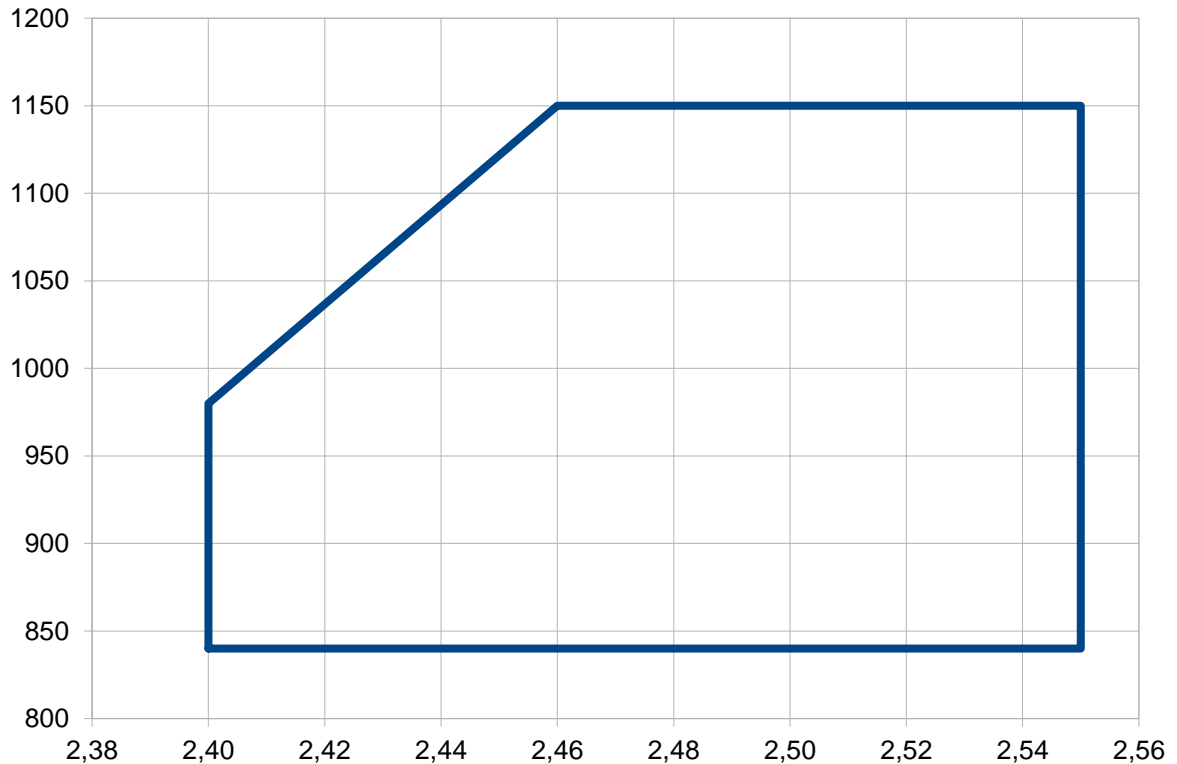
## ÄGARE

|  |
|--|
| DA40 Grupp c/o Hässlö Flygförening                             |
| Hässlögatan 10   |
| 721 31 Västerås, Telefon 021-41 06 30                          |
| Kontaktman Bengt Eriksson 070-755 57 07 eller 0171-501 01      |
| <a href="mailto:ekosdack@hotmail.com">ekosdack@hotmail.com</a> |

# WEIGHT AND BALANCE

SE-MBC

| Item  | Weight Kg | Arm m | Moment |
|---|-----------|-------|--------|
| Basic Empty Weight                            | 840       | 2,45  | 2 058  |
| Pilot and Front Passenger                     |           | 2,30  |        |
| Passenger Rear Seat                           |           | 3,25  |        |
| Fuel: Full 148 L=118 Kg, Standard 106 L=85 Kg |           | 2,63  |        |
| Baggage Max 30 Kg                             |           | 3,65  |        |
| <b>Total Loaded Airplane MAX 1150 Kg</b>      |           |       |        |



| W/V             | Alt FL | TAS | TT          | wca | TH | var | MH | BRYTPUNKT | DISTANS |          | GS | TID     |     | BRÄNSLE |     |
|-----------------|--------|-----|-------------|-----|----|-----|----|-----------|---------|----------|----|---------|-----|---------|-----|
|                 |        |     |             |     |    |     |    | S         | INT     | ACC      |    | INT     | ACC | INT     | ACC |
|                 |        |     |             |     |    |     |    | 1         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 2         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 3         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 4         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 5         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 6         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 7         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 8         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 9         |         |          |    |         |     |         |     |
|                 |        |     |             |     |    |     |    | 10        |         |          |    |         |     |         |     |
| Väder och NOTAM |        |     |             |     |    |     |    | Block In  |         | Landning |    | Sträcka |     | Sträcka |     |
|                 |        |     |             |     |    |     |    | Block Ut  |         | Start    |    | Reserv  |     | Reserv  |     |
|                 |        |     |             |     |    |     |    |           |         |          |    | Summa   |     | Summa   |     |
|                 |        |     |             |     |    |     |    |           |         |          |    | Altern  |     | Altern  |     |
| Datum           |        |     | Befälhavare |     |    |     |    | Blocktid  |         | Flygtid  |    | Extra   |     | Extra   |     |
|                 |        |     |             |     |    |     |    |           |         |          |    | Total   |     | Total   |     |