

**BEST POWER**

|                            |      |      |      |
|----------------------------|------|------|------|
| Power                      | 55%  | 65%  | 75%  |
| FF Gal/h                   | 14   | 16   | 18   |
| FF Liter/h                 | 53   | 61   | 68   |
| FF Kg/h                    | 38   | 44   | 49   |
| Range at FL80              | 6:40 | 5:45 | 5:00 |
| Usable fuel - Taxi – Climb |      |      |      |

**WEIGHTS**

|                               |    |       |
|-------------------------------|----|-------|
| Basic Empty Weight            | Kg | 976   |
| Arm Aft Datum(empty)          | m  | 2,040 |
| MTOW and MLW                  | Kg | 1633  |
| Baggage forward               | Kg | 45    |
| Baggage aft                   | Kg | 45    |
| Tillsatsvikt                  | Kg | 657   |
| Tillsatsvikt med fulla tankar | Kg | 404   |

**TRUE AIRSPEED Best Power**

| PA  | ISA | True Airspeed KTS |     |     |
|-----|-----|-------------------|-----|-----|
|     |     | 55%               | 65% | 75% |
| 10  | 13  | 122               | 136 | 147 |
| 20  | 11  | 124               | 138 | 148 |
| 30  | 9   | 125               | 139 | 150 |
| 40  | 7   | 126               | 141 | 152 |
| 50  | 5   | 127               | 142 | 154 |
| 60  | 3   | 128               | 144 | 156 |
| 70  | 1   | 130               | 145 | 158 |
| 80  | -1  | 132               | 147 |     |
| 90  | -3  | 134               | 148 |     |
| 100 | -5  | 135               | 149 |     |
| 110 | -7  | 137               | 150 |     |
| 120 | -9  | 138               |     |     |

**SPEED**

|                                      | MPH     |
|--------------------------------------|---------|
| X-W Max demo crosswind               | 17 KT   |
| Vs Stall speed (40 flaps, power off) | 56      |
| Vs Stall speed (gear and flaps up)   | 64      |
| Vx Best angle of climb speed         | 100     |
| Vy Best rate of climb speed          | 106     |
| Vg Best glide speed                  | 106     |
| Vlo Max gear up speed                | 125     |
| Vle Max gear down speed              | 150     |
| Vfe Max flaps speed                  | 125     |
| Va Design maneuvering speed          | 125     |
| Vno Max structural crusing speed     | 172     |
| <b>Vne RED LINE</b>                  | 217     |
| Never exceed speed                   |         |
| Initial approach speed               | 100-110 |
| Final approach speed over threshold  | 86      |

**CLIMB ADD - TIME AND FUEL**

|                               |
|-------------------------------|
| Climb add 1 min / 2000 feet   |
| Climb add 3 liter / 2000 feet |

**FUEL ADD**

|                           | Holding | Taxi |
|---------------------------|---------|------|
| Power %                   | 55      |      |
| Min                       | 45      |      |
| FF Gal                    | 11      | 3    |
| FF Liter                  | 40      | 11   |
| FF Kg                     | 29      | 8    |
| <b>Route Reserve 10 %</b> |         |      |

**FUEL**

|       | Total | Usable |
|-------|-------|--------|
| Gal   | 98    | 94     |
| Liter | 371   | 356    |
| Kg    | 263   | 253    |

**OIL**

|           | Max | Min |
|-----------|-----|-----|
| US quarts | 12  | 3   |

**POWER SETTING**

|              |              |
|--------------|--------------|
| Climb        | 25" / 2500   |
| Cruise       | Chart / 2300 |
| Descend 55%  | 21" / 2300   |
| Holding 45%  | 18" / 2300   |
| ILS/NDB Appr | 16" / 2300   |

**FIELD REQUIREMENTS**

| MTOW - IAS - SL - HARD RW - NO WIND |                      |                 |                     |                    |
|-------------------------------------|----------------------|-----------------|---------------------|--------------------|
|                                     | Speed<br>KIAS<br>MPH | Flaps<br>degree | Ground<br>roll<br>m | Over<br>50 ft<br>m |
| <b>Take off</b>                     |                      |                 |                     |                    |
| - Normal                            | 73                   | 0               | 420                 | 725                |
| - Short Field                       | 61                   | 25              | 290                 | 527                |
| <b>Landing</b>                      |                      |                 |                     |                    |
| - Normal                            | 86                   | 40              | 274                 | 524                |

**FLIGHT PLAN**

|                     |          |                |  |
|---------------------|----------|----------------|--|
| TYPE                | P32R     |                |  |
| WAKE TURBULENCE CAT | L        |                |  |
| EQUIPMENT           | SBDGRY/S | PBN/B2C2D2O2S1 |  |
| EMERGENCY RADIO     | ELBA     |                |  |

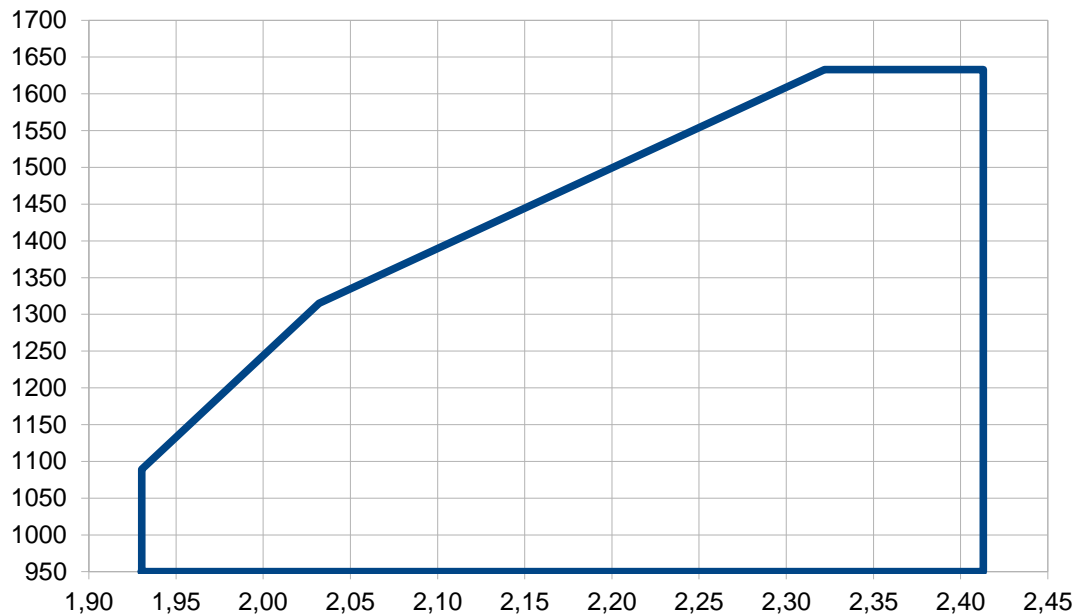
**ÄGARE**

|  |
|--|
| Västerås General Aviation<br>c/o Nils-Erik Hahn<br>Färnlundsvägen 6<br>820 41 Färila<br>+46 70 534 07 29 |
|--|

| Item                                     | Weight Kg | Arm m | Moment  |
|--|-----------|-------|---------|
| Basic Empty Weight                       | 975,6     | 2,040 | 1 990,2 |
| Pilot and Front Passenger                |           | 2,172 |         |
| Passenger Center Seats                   |           | 3,000 |         |
| Passenger Rear Seat                      |           | 3,955 |         |
| Fuel: Full 356 L = 253 Kg                |           | 2,377 |         |
| Baggage Forward Max 45 Kg                |           | 1,067 |         |
| Baggage Aft Max 45 Kg                    |           | 4,539 |         |
| <b>Total Loaded Airplane MAX 1633 Kg</b> |           |       |         |

### Envelop

| Arm m | Weight |
|-------|--------|
| 1,93  | 950    |
| 1,93  | 1089   |
| 2,03  | 1315   |
| 2,32  | 1633   |
| 2,41  | 1633   |
| 2,41  | 950    |
| 1,93  | 950    |



| W/V             | Alt<br>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  |         |     |
| Datum           |           |     |    |     |    |     |    | Blocktid  |  | Flygtid  |     | Summa   |     | Summa   |         |     |
|                 |           |     |    |     |    |     |    |           |  |          |     | Altern  |     | Altern  |         |     |
| Befälhavare     |           |     |    |     |    |     |    |           |  |          |     | Extra   |     | Extra   |         |     |
|                 |           |     |    |     |    |     |    |           |  |          |     | Total   |     | Total   |         |     |