

# ROBIN

AIRCRAFT

|  | LIGHT            | TRAINING / CLUB  |                  | TRAVEL           |                  |                  | TOW PLANE        | JET-A1           |                  |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|  | 120Lite          | 120A             | 160A             | 160LR            | 180LR            | 200i LR          | 180R             | 135CDI           | 155CDI           |
| Cruise speed eco <i>kts</i>                      | 116              | 116              | 132              | 132              | 135              | 135              | 123              | 120              | 122              |
| Cruise speed max <i>kts</i>                      | 126              | 126              | 133              | 133              | 139              | 145              | 124              | 122              | 132              |
| Climb Rate (ASML) ISA <i>fp/m</i>                | 817              | 553              | 797              | 770              | 827              | 1 130            | 1 015            | 680              | 740              |
| Climb Rate (8000fts) ISA <i>fp/m</i>             | 376              | 254              | 489              | 379              | 451              | 655              | 652              | 520              | 656              |
| Payload max <i>kilos</i>                         | 800              | 900              | 1 000            | 1 050            | 1 100            | 1 100            | 1 000            | 980              | 1 100            |
| Take-off distance (50fts) Ofts ISA <i>Meters</i> | 425              | 535              | 540              | 590              | 610              | 320              | 400              | 440              | 400              |
| Landing distance (50fts) Ofts ISA <i>Meters</i>  | 425              | 460              | 490              | 545              | 530              | 370              | 470              | 507              | 415              |
| Useful Load <i>kilos</i>                         | 290              | 340              | 420              | 450              | 490              | 410              | 420              | 360              | 440              |
| Useful load 1500km <i>kilos</i>                  | N/A              | N/A              | N/A              | 284              | 331              | N/A              | N/A              | 260              | 326              |
| Useful load - Full tanks <i>kilos</i>            | 212              | 226              | 284              | 278              | 318              | 238              | 306              | 226              | 306              |
| <b>Nb passengers with full tanks 75kg/pax</b>    | <b>2,0**</b>     | <b>3,0</b>       | <b>3,8</b>       | <b>3,7</b>       | <b>4,2</b>       | <b>3,2</b>       | <b>N/A</b>       | <b>3,0</b>       | <b>4,1</b>       |
| Flying range <i>km</i>                           | 1 017            | 1 484            | 1 216            | 1 537            | 1 578            | 1 414            | 938              | 1 695            | 1 654            |
| Fuel tank (long range) <i>Litres</i>             | 109              | 159              | 189              | 239              | 239              | 239              | 159              | 159              | 159              |
| Wingspan <i>Meters</i>                           | 8,72             | 8,72             | 8,72             | 8,72             | 8,72             | 8,72             | 8,72             | 8,72             | 8,72             |
| Max operating heigth <i>fts</i>                  | 16 500           | 12 000           | 13 500           | 13 500           | 15 500           | 16 000           | 20 000           | 14 500           | 16 000           |
| Fuel cons. (75%) <i>Litres / h</i>               | 25,0             | 25,0             | 38,3             | 38,3             | 39,0             | 45,4             | 39,0             | 21,2             | 23,5             |
| <b>Standard Price excl Taxes*** €</b>            | <b>162 445 €</b> | <b>201 900 €</b> | <b>228 760 €</b> | <b>232 679 €</b> | <b>242 712 €</b> | <b>284 400 €</b> | <b>241 791 €</b> | <b>222 082 €</b> | <b>241 678 €</b> |

\* Useful load is given as an indication. Each pairplane has an specific unladen mass which depends in particular on the on-board equipment

*Data released from flight manuals*

*For the 180LR : Landing distance (50fts) in 530m -> Max Landing weight 1.045 kg*

\*\* DR401 LIGHT is limited to 2 passengers

\*\*\* Excluding optional equipments and avionics / classic instrumentation included