

ROBIN

AIRCRAFT

	LIGHT	TRAINING / CLUB		TRAVEL			TOW PLANE	JET-A1	
	100	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
Nb passengers with full tanks 75kg/pax	20**	30	38	37	42	32	N/A	30	41
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

* 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