

S-7 COURIER OPERATING SPEEDS*
80 HP Rotax 912UL & 100 HP Rotax 912ULS
mph IAS

513
448
66

V _s	45
V _{st}	42
V _y	63
V _x	50
V _{L/D}	60
V _{no}	73
V _a	105
V _{ne}	140

- V_s: Stall, Flaps Retracted
- V_{st}: Stall, Flaps Extended
- V_y: Best Climb Rate
- V_x: Best Climb Angle
- V_{L/D}: Best Glide
- V_{no}: Maximum, Flaps Extended
- V_a: Maximum, Maneuvering
- V_{ne}: Never Exceed

NOTE: Pre-1997 S-7 COURIER Vne: 120 mph IAS

912
copy

*Speeds may vary according to conditions imposed by builder, owner and operator.

SHUTDOWN

Electrical Equipment OFF
Magnetos OFF
Master OFF

ENGINE FAILURE DURING TAKEOFF ROLL

Throttle CLOSE
Brakes APPLY
Flaps RETRACT
Magnetos OFF
Master Switch OFF

ENGINE FAILURE DURING CLIMB-OUT

Speed 85 mph
Magnetos OFF
Master Switch OFF
Flaps AS REQUIRED

S-7 COURIER CHECKLISTS AND PROCEDURES***CABIN**

Master Switch	OFF
Fuel Quantity	CHECK
Flaps	EXTEND

EXTERIOR

Left Gear (tire, brake)	CHECK
Left Wing (fuel, strut, leading edge, pitot, aileron, flap)	CHECK
Fuselage (left side)	CHECK
Tail (rudder, elevator, cables, tab)	CHECK
Tail Wheel (tire, springs, cables)	CHECK
Fuselage (right side)	CHECK
Right Wing (flap, aileron, leading edge, strut, fuel)	CHECK
Right Gear (tire, brake)	CHECK
Engine (oil, hoses, wires, cables)	CHECK
Propeller (leading edges, spinner, hub)	CHECK
Cowl (openings, door)	CHECK
Fuel Sump	CHECK

ENGINE START

Seat	ADJUSTED & LOCKED
Shoulder & Lap Belts	ADJUSTED & FASTENED
Electrical Equipment	OFF
Magnetos	ON
Choke	OPEN
Throttle	CLOSED
Master Switch	ON
Brakes	APPLY
Propeller Area	CLEAR
Starter	ENGAGE
Throttle	ADJUST AS REQUIRED
Choke	CLOSE
Oil Pressure	CHECK

BEFORE TAXI

Brakes	CHECK
--------	-------

BEFORE TAKEOFF

Doors	CLOSED & LOCKED
Brakes	APPLY
Throttle	3500 RPM
Magnetos	CHECK
Engine Instruments	CHECK
Throttle	CLOSE

*Checklists should be amended to suit conditions imposed by builder, owner and operator.

BEFORE TAKEOFF (CONTINUED)

Flight Controls	FREE & CORRECT
Flight Instruments	SET
Radios	SET
Trim	SET
Traffic	CHECK

NORMAL TAKEOFF

Flaps	SECOND DETENT
Throttle	FULLY OPEN
Climb to 500' AGL	60 mph IAS
Climb above 500' AGL	70 mph IAS

SHORT FIELD TAKEOFF

Flaps	SECOND DETENT
Brakes	APPLY
Throttle	FULLY OPEN
Brakes	RELEASE
Climb over obstacles	50 mph IAS

CRUISE

Throttle	5000-5400 RPM
Trim	AS REQUIRED

DESCENT

Throttle	AS REQUIRED
Trim	AS REQUIRED

NORMAL LANDING

Throttle	AS REQUIRED
Flaps	AS REQUIRED
Speed, No Flaps	65 mph
Speed, Full Flaps	55 mph

SHORT FIELD LANDING

Throttle	AS REQUIRED
Flaps	FULLY EXTENDED
Speed	50 mph

TOUCHDOWN, SHORT FIELD

Throttle	CLOSED
Brakes	APPLY AS REQUIRED
Flaps	RETRACT

GO AROUND

Throttle	FULLY OPEN
Rate of Climb	POSITIVE
Speed	65 mph
Flaps	RETRACT INCREMENTALLY