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 **Wollón planes**

Reality Expansion Pack for X-Plane

SIAl-Marchetti SF.260D

Checklists & References

ENGINE START

1. Canopy SECURE
2. Parking brakes ON
3. Propeller pitch HIGH RPM
4. Engine mixture LEAN
5. Battery switch ON
6. Navigation lights ON
7. Beacon light ON
8. Fuel selector EMPTIER MAIN TANK
9. Engine mixture RICH
10. Fuel pump ON
11. Engine areas CLEAR
12. Throttle 10%
13. Engine START
14. Oil Pressure CHECK
15. Alternator Switch ON

BEFORE TAXI

1. Fuel pump OFF
2. Flaps UP
3. Trim NEUTRAL
4. Avionics ON
5. Altimeter SET(QFE,QNH)
6. Transponder SET
7. Flight instruments CHECK
8. Engine instruments CHECK
9. Landing lights ON

TAXI

1. Heading indicator CHECK HEADING
2. Brakes RELEASE

BEFORE TAKEOFF

1. Parking brakes ON
2. Flight controls CHECK
3. Fuel pump ON
4. Fuel selector FULLEST MAIN TANK
5. Mixture RICH
6. Propeller pitch HIGH RPM
7. Throttle 2100 RPM
8. Propeller pitch CYCLE THREE TIMES
9. Carburettor Heat CHECK
10. Magnetos CHECK (-50fpm allowed each side)
11. Throttle 1100 RPM
12. Canopy SECURE
13. Radios SET
14. Fuel quantity CHECK
15. Oil temperature CHECK
16. Engine mixture SET as required
17. Elevator trim FOR TAKE OFF
18. Flaps 10 to 20 DEGREES
19. Transponder ON
20. Strobe lights ON

TAKEOFF

1. Brakes Release
2. 75kts ROTATE
3. When positive rate-of-climb established GEAR UP
4. When altitude > 250 AGL FLAPS UP and TRIM
5. When altitude > 1500 AGL LANDING LIGHT OFF
6. When altitude > 1500 AGL FUEL PUMP OFF

CRUISE

1. Airspeed CHECK
2. Fuel selector FULLEST TIP Or FULLEST MAIN
3. Flight instruments CHECK
4. Engine instruments CHECK
5. Engine temperatures CHECK
6. Fuel quantity CHECK
7. Radios set CHECK
8. Propeller pitch SET AS REQUIRED

AEROBATIC MANEUVERS

1. Propeller 2500 or 2700RPM
2. Throttle 25 (2500RPM) or FULL
3. Trim SET FOR 150 KIAS
4. Landing Gear CHECK UP
5. Flaps CHECK UP
6. Tip Tanks CHECK EMPTY
7. Engine Instruments WITHIN LIMITS
8. Seatbelts TIGHT AND LOCKED
9. Altitude AS REQUIRED
10. Position CHECK
11. Orientation CHECK
12. Sky free LOOK OUT

DESCENT

1. Mixture SET
2. Flight instruments CHECK
3. Engine instruments CHECK
4. Radios SET

DOWNWIND

1. Fuel pump ON
2. Fuel selector FULLEST MAIN TANK
3. Engine instruments CHECK
4. Magnetos BOTH
5. Carb Heat AS REQUIRED (ON)
6. Flaps 20 (< 125KIAS)
7. Speed 105 KIAS
8. Gear DOWN
9. Auto-Pilot OFF

BEFORE LANDING

1. Airspeed 95 KIAS
2. Flaps 20 to 50 AS REQUIRED (< 108KIAS)
3. Propeller pitch HIGH RPM

AFTER LANDING CHECK

1. Flaps	UP
2. Fuel Pump	OFF
3. Strobe lights	OFF
4. Landing light	OFF
5. Elevator trim	NEUTRAL
6. Transponder	STANDBY

SHUTDOWN

1. Parking brakes	ON
2. Throttle	1000 RPM
3. Avionics	OFF
4. Mixture	IDLE CUT OFF
5. Magnetos	OFF
6. Navigation lights	OFF
7. Strobe lights	OFF
8. Beacon light	OFF
9. Cabin lights	OFF
10. Instrument lights	OFF
11. Battery switch	OFF
12. Alternator switch	OFF

AIRSPEEDS FOR EMERGENCY OPERATIONS

Best Glide Speed 90 KIAS

ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF

1. Attitude NOSE DOWN
2. Airspeed 90 KIAS
3. Field for forced landing SELECT
4. Flaps AS REQUIRED
5. Landing Gear UP (DOWN if soft field)
6. Mixture CUT OFF
7. Fuel shutoff OFF
8. Battery Switch OFF

ENGINE FAILURE IN FLIGHT (Air Start)

1. Throttle OPEN 1cm
2. Mixture RICH
3. Alternate Air SELECT
4. Throttle ADJUST (When engine fires)

If unsuccessful below 4000AGL

5. Forced Landing EXECUTE

ENGINE FAILURE IN FLIGHT (Propeller Stopped)

1. Throttle OPEN 1cm
2. Mixture RICH
3. Alternate Air SELECT
4. Ignition Switch START
5. Throttle ADJUST (When engine fires)

If unsuccessful and altitude permitting

6. Speed INCREASE TO 150 KIAS
7. Rudder KICK TO INCREASE PROP RPM

If unsuccessful and below 4000AGL

8. Forced Landing EXECUTE

FORCED LANDING

1. Speed 90 KIAS
2. Throttle CLOSED
3. Mixture CUT OFF
4. Propeller LOW RPM
5. Fuel shutoff OFF
6. Magnetos OFF
7. Battery Switch CHECK ON
8. Alternator OFF
9. Unnecessary Equipment OFF

Before touch-down

10. Landing Gear DOWN if runway available
11. Flaps AS REQUIRED
12. Battery Switch OFF

LANDING GEAR EXTENSION FAILURE

In case of landing gear trouble or when you are in doubt about the indication, always:

- Advise the control tower
- Check for defective indicator light bulb
- Request another aircraft or tower for visual check

1. Speed 108KIAS or below
2. Flaps 20°
3. Landing Gear Switch Check DOWN
4. Landing Gear Indicator Check

If indicator do not report Landing Gear DOWN and LOCKED:

5. LDG PWR Circuit Breaker Pull
6. Landing Gear Manual Extension Handle Cover Remove
7. Manual Extension Handl Unstow and Crank (about 27 turns)
8. Landing Gear Indicator Check L/G DOWN and LOCKED

Note: If the landing gear mechanical indicator is DOWN but the green lights do not illuminate, yaw the aircraft and increase G loading to lock the landing gear.

9. Manual Extension Handle Stow
10. Landing Gear Manual Extension Handle Cover Stow
11. Normal Landing Perform

REFERENCE SPEEDS

Vr	70 knots
Vx	87 knots
Vy	108 knots
Vemax	90 knots
Vlo	108 knots
Va (Approach)	162 knots
Vsc (Rough Air)	187 knots
Vne	236 knots
Approach Speed	87 knots

WIND LIMITATIONS

Maximum	35 knots
Maximum Crosswind (Dual)	25 knots
Maximum Crosswind (Solo)	12 knots
Maximum (One empty/one full tip tank)	8 knots
Maximum Tailwind	5 knots

PITCH/POWER SETTINGS

TYPE OF CONFIG	MIXTURE	PROP	THROTTLE	IAS KTS	FLAPS	LDG GEAR	VVI	PITCH (PERFORMANCE VALUES)
IFR Cruise Configuration	Lean for best economy	2400 RPM	± 22 MAP	150	UP	UP	0 fpm	+ 0°
App Configuration	Rich	Incr RPM	± 16 MAP	100	20°	UP	0 fpm	+ 1°
Ldg Configuration	Rich	Incr RPM	± 18 MAP	100	20° -> 50°	DOWN	0 fpm	+ 1°
Endurance Configuration	Lean for best economy	2100 RPM	± 15 MAP	100	UP	UP	0 fpm	+ 5°
Range Configuration	Lean for best economy	2200 RPM	± 17 MAP	120	UP	UP	0 fpm	+ 4°
Climb (Best rate)	Rich	2500 RPM	OPEN	110	UP	UP	↑ fpm	+ 11°
Cimb (Max angle)	Rich	Incr RPM	OPEN	90	UP	UP	↑ fpm	+ 13°
Std descent	Rich	2400 RPM	12 MAP	150	UP	UP	± 1400 fpm	- 5°
Enroute descent	Rich	2400 RPM	16 MAP	150	UP	UP	± 750 fpm	- 3°
Descent in App Configuration	Rich	Incr RPM	10 MAP	100	20°	UP	± 750 fpm	- 5°
Glide descent Engine ON	Rich	2400 RPM	9 MAP	90	UP	UP	600 fpm	
Glide descent Engine OFF	-	Decr RPM	-	90	UP	UP		
Vertical-S Climb	Rich	2400 RPM	± 20 MAP	110	UP	UP	500 fpm	+ 5°
Vertical-S Descent	Rich	2400 RPM	± 11 MAP	110	UP	UP	500 fpm	+ 0°

TAKEOFF PERFORMANCE - 2400 POUNDS

Flaps 20°, Landing Gear Down, Take-off Power, Hard Surface Runway.

Data Basis: Flight Test.

All distances are in feet.

Dashes mean no data is available.

PRESSURE ALTITUDE	ISA - 20° C	ISA + 0° C	ISA + 20° C
	GRND ROLL	GRND ROLL	GRND ROLL
	50 FT	50 FT	50 FT
S.L.	800	1000	1120
	1360	1580	1780
1000	920	1060	1220
	1480	1660	1900
2000	960	1180	1320
	1580	1800	2060
3000	1100	1260	1420
	1680	1920	2180
4000	1140	1360	1520
	1800	2060	2380
5000	1240	1460	1640
	1900	2200	2500
6000	1360	1580	--
	2100	2400	--

CRUISE PERFORMANCE - SEA LEVEL - 2400 POUNDS

Mixture Leanead for Best Power - Standard Day

Data Basis: Flight Test.

RPM	MAP	%BHP	KTAS	GPH
2400	24	74%	164	15.8
2400	23	69%	160	14.9
2300	23	66%	157	14.2
2300	22	63%	152	13.5
2200	22	59%	149	12.6
2200	20	52%	141	11.1
2200	18	44%	130	9.4

CRUISE PERFORMANCE - 3000FT - 2400 POUNDS

Mixture Leanead for Best Power - Standard Day

Data Basis: Flight Test.

RPM	MAP	%BHP	KTAS	GPH
2400	23	73%	168	15.5
2400	22	69%	163	14.5
2300	21	61%	158	12.8
2200	21	58%	152	12.3
2200	19	51%	142	10.7

CRUISE PERFORMANCE - 6000FT - 2400 POUNDS

Mixture Leanead for Best Power - Standard Day

Data Basis: Flight Test.

RPM	MAP	%BHP	KTAS	GPH
2400	22	72%	169	15.2
2300	22	68%	162	14.5
2300	20	61%	159	12.4
2200	21	61%	158	12.7
2200	20	57%	152	11.8
2200	19	54%	148	11.1
2200	18	50%	142	10.5

CRUISE PERFORMANCE - 9000FT - 2400 POUNDS

Mixture Leanead for Best Power - Standard Day

Data Basis: Flight Test.

RPM	MAP	%BHP	KTAS	GPH
2400	20	65%	168	14.0
2300	20	63%	163	13.6
2200	20	60%	159	13.0
2200	18	52%	148	11.1

CRUISE PERFORMANCE - 12000FT - 2400 POUNDS

Mixture Leanead for Best Power - Standard Day

Data Basis: Flight Test.

RPM	MAP	%BHP	KTAS	GPH
2400	18	60%	169	12.9
2400	17	55%	160	11.8
2300	17	53%	158	11.4
2300	16	48%	150	10.3
2200	16	43%	142	9.3

TOTAL LANDING DISTANCE - 2400 POUNDS

Flaps 50°, Idle Power, Hard Surface Runway.

All distances are in feet.

Data Basis: Flight Test.

Dashes mean no data is available.

P.A	ISA - 20° C	ISA + 0° C	ISA + 20° C
S.L.	1540	1640	1720
1000	1580	1710	1780
2000	1630	1740	1820
3000	1680	1800	1900
4000	1720	1830	1920
5000	1780	1900	2000
6000	1840	1980	--

