



Reality Expansion Pack for X-Plane

SIAI-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. Elevator trim FOR TAKE OFF
6. Propeller pitch HIGH RPM
7. Carburettor Heat CHECK
8. Magnetos CHECK (-50fpm allowed each side)
9. Canopy SECURE
10. Radios SET
11. Fuel quantity CHECK
12. Oil temperature CHECK
13. Engine mixture SET as required
14. Flaps 10 to 20 DEGREES
15. Transponder ON
16. 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 Selector 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 Selector 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 |
| 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 |

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 1360 | 1000 1580 | 1120 1780 |
| 1000 | 920 1480 | 1060 1660 | 1220 1900 |
| 2000 | 960 1580 | 1180 1800 | 1320 2060 |
| 3000 | 1100 1680 | 1260 1920 | 1420 2180 |
| 4000 | 1140 1800 | 1360 2060 | 1520 2380 |
| 5000 | 1240 1900 | 1460 2200 | 1640 2500 |
| 6000 | 1360 2100 | 1580 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 | -- |

