

# Cessna 172

## NORMAL CHECKLIST

Owners name:

### BEFORE EXTERIOR

Documents ..... On Board  
Control Wheel Lock.....Removed  
Trim ..... Neutral  
Ignition..... Off  
Fuel Quantity ..... Check  
Master Switch ..... Off  
Fire extinguisher ..... On board

### BEFORE START

Doors..... Locked  
Parking Brake ..... As required  
Avionics Master Switch..... Off  
Audio Panel ..... Set  
Circuit Breakers ..... All in  
Cabin vent/heat control..... Closed  
Fuel Selector ..... Set  
Briefing ..... Completed

### BEFORE TAXI

Oil Pressure..... Green  
Alternator..... On, Light out  
Ammeter ..... Positive charge  
Avionics Master Switch..... On  
Flaps..... Checked, Set for takeoff  
Gyroscopic inst. .... Check and Set  
Nav/Com..... On and Set  
Transponder ..... GND

### BEFORE TAKEOFF

Engine Run-up ..... Performed  
Ignition..... Both  
Trim ..... Set for takeoff  
Flaps..... Set for takeoff  
Doors and windows ..... Closed  
Safety Belts..... Fastened  
Flight Controls ..... Checked

### RUNWAY ITEMS

Transponder..... ALT  
Pitot Heat..... As Required  
Landing Light..... On  
Altimeter..... Checked  
Compass ..... Check

### AFTER TAKEOFF ( >400 feet AGL)

Landing Light ..... Off  
Flaps ..... Up

### APPROACH

QNH ..... Set  
Compass ..... Checked  
Fuel ..... Checked  
Mixture ..... Rich

### LANDING

Landing light ..... On  
Carbu heat..... Off  
Flaps ..... Set

### AFTER LANDING

Landing Light ..... Off  
Pitot Heat ..... Off  
Flaps ..... Up  
Transponder..... GND/7000  
Trim ..... Neutral

### SHUTDOWN

Throttle ..... 1700 Rpm  
Avionics Master Switch..... Off  
Mixture ..... Cut-off  
Lights ..... Off  
Ignition ..... Off  
Master switch..... Off

### **NORMAL TAKEOFF**

Flaps ..... 0-10°  
Rotate ..... 55 KIAS  
Climb Speed ..... 70-80 KIAS

### **SHORT FIELD TAKEOFF**

Flaps ..... 10°  
Throttle..... Open (hold brakes)  
Rotate ..... 50 KIAS  
Climb Speed ..... 56 KIAS\*  
Wing Flaps ..... Retract above 65 KIAS

*\*until clear of obstacles*

### **NORMAL CIRCUIT**

#### ***Downwind***

Airspeed ..... 80 KIAS  
Flaps ..... 10°

#### ***Base-leg***

Airspeed ..... 70 KIAS  
Flaps ..... 20°

#### ***Final***

Airspeed ..... 65 KIAS\*  
Flaps ..... 20-30°  
Carbu Heat (short final) ..... OFF

*\* No Flaps, add 5 KTS to final speed (70 KIAS)*

### **SHORT FIELD LANDING**

Flaps ..... 30°  
Airspeed on final ..... 61 KIAS  
Brakes ..... Apply after touchdown

### **GO-AROUND**

Throttle..... Open  
Carbu Heat..... Cold  
Nose..... Takeoff attitude (touching horizon)  
Flaps ..... 20°  
Airpeed..... 55 KIAS  
Flaps ..... 10°  
400 feet Agl ..... Flaps Up

### **GENERAL INFO**

Tank capacity OO-TRJ.....43 gallons\*  
Usable fuel OO-TRJ .....40 gallons\*  
Tank capacity OO-CIR.....54 gallons\*  
Usable fuel OO-CIR.....50 gallons\*

*\* US gallons: 1 US gallon = 3,78 liters*

Average consumption .....8 gallons per hour  
Minimum landing fuel .....6 gallons  
Oil capacity ..... 7 quarts  
Minimum oil required..... 5 quarts

Standard empty weight .....650 Kg  
Max. useful load (Normal category) .....445 Kg  
Max. useful load (Utility category) .....308 Kg  
Max. baggage weight .....54 Kg  
MTOW (Normal category) .....1089 Kg  
MTOW (Utility category) .....953 Kg  
MLW ..... same as MTOW

Vne ..... 158 KIAS  
Vno ..... 127 KIAS  
Va (1089 Kg (MTOW)) ..... 99 KIAS  
Va (907 Kg) ..... 92 KIAS  
Va (725 Kg) ..... 82 KIAS  
Vfe (10° flaps) ..... 110 KIAS  
Vfe (>10° flaps) ..... 85 KIAS  
Vmax window open ..... 158 KIAS

### **DOCUMENTS REQUIRED ON BOARD**

#### **Aircraft documents**

1. Aircraft journal
2. Airworthiness certificate
3. Registration certificate
4. Radio certificate
5. Operating handbook
6. Weight and balance report

#### **Pilot's documents**

1. License
2. Passport
3. Medical