

1971 CESSNA CARDINAL/177



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You Are Looking at a Lot of Space



Price and Just As Much Comfort



You shouldn't be surprised. That is, unless you have never seen 115 cubic feet of the most luxurious cabin space found anywhere in four-place, single-engine flying. There's room enough for four adults and two children. Fold the child's seat against the back and the Cardinal handles four adults and lots of baggage.

You enter under a sheltering wing. There's no wing to walk, no struts to dodge, no gear to crawl over, and both four-foot-wide doors swing open to a full 90°. In fact, the Cardinal doorways are so big you can get into the back seat no matter what position the front seats are in. Stepping inside you find a floor that is flat. Uncluttered. Deeply piled and richly carpeted. You sit in comfortable, body-contouring seats surrounded by a generous comfort zone of free space. Cessna Omni-Vision provides 360° visibility from every seat. All backs recline and the front seats adjust fore and aft. For the ultimate in seating comfort, optional, articulating, infinitely-adjustable front seats with vertical adjustment are available.

Fabrics, vinyls, carpet and finish materials are color-coordinated in Holiday Blue, Fiesta Red, Picnic Green and Clove Brown. Deeply padded carpet may be color matched with the interior or all black carpeting is available as an option.

Optional leathers are available for the first time in a Cardinal. Cloud Gray. Ebony. Fiesta Red. Or Palomino Tan. The touch and smell of leather can add that extra luxurious touch to your Cardinal.

Ashtrays, assist straps, sun visors, and map pockets are all standard equipment. So is the high capacity heating and ventilation system that keeps the cabin air fresh and at a comfortable temperature.



Speed-Form Wing



Two Wide Cabin Doors



Electric Para-Lift Flaps



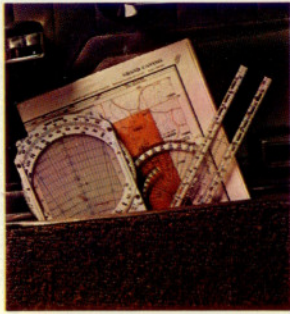
360° Omni-Vision



Wide-Track Tubular Land-O-Matic Gear



New Nose-Mounted Landing Light



Map Storage Pockets



Omni-Flash Beacon



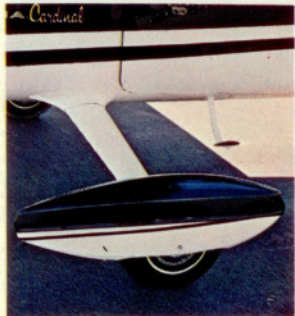
Hand Crank Vent Window



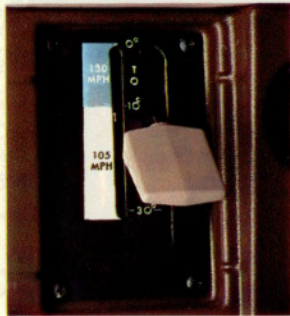
Car-Type Parking Brake



Color-Coordinated Headrests (Optional)



New Aerodynamic Speed Fairings



Preselect Flap Switch and Indicator



New Strobe Lights (Optional)



New Boom Mike (Optional)



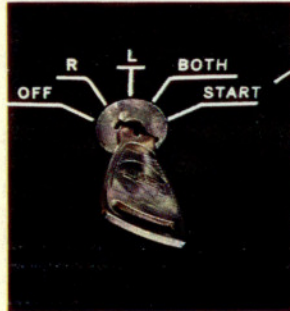
Large Glove Compartment



Swing-Down Sun Visors



Retractable Tie-Down Rings



Electric Key Ignition Starter



Folding Child's Seat (Optional)



New Safety Belt System



Three-Position Fuel Selector



Assist Strap



Outside Air Temperature Gauge



Push-Pull Controls are Positive and Smooth



Large Outside Baggage Door



New Padded Eyebrow and Lower Dash



Comfortable Articulating Seats (Optional)



Easy-Lock Door Handle



Planned Perfection / A Cessna Tradition

The Cardinal panel is designed in the tradition of Cessna engineering excellence. Its gray, no-glare finish reduces the contrast between the panel and daylight, letting you scan it quickly and easily.

The instruments, with contrasting black faces, stand out for easy monitoring. All the flight instruments are mounted directly in front of the pilot in a convenient "T" arrangement. The horizon and directional gyros are shock-mounted. Airspeed indicator on the left. Altimeter on the right. An optional wing-leveling system is available.

The engine instruments are set just to the right. Fuel, oil pressure and oil temperature can be read in one easy glance. And to the left of the throttle sits the tachometer, directly in front of the pilot. The push-pull power control is positive and smooth. The trim, carburetor heat, power, autopilot, fuel mixture, flaps and radio microphone are literally at the pilot's fingertips. Cessna-Crafted control management is engineered to make piloting simpler and more precise than ever before.

The electrical system is wired as two separate circuits. When you start the engine the electronic equipment is in no danger of damage from voltage surges. An optional audio junction box allows for flexibility and easier service of the avionics systems. A split master switch allows independent operation with the battery on and the alternator off. Panel and instruments are illuminated with variable intensity, red flood lighting. Lights are located in the overhead console and under the panel eyebrow.

Cessna-Crafted Avionics

The center panel will accept a complete radio and navigation package. Cessna-Crafted avionics are the finest low-cost units available on the market today. They are specifically designed for easy installation and maintenance in the Cardinal/177.

300 Nav-O-Matic — This autopilot features command turns. Automatic turns to a preselected heading. Heading lock. Omni-radial intercept. Radial tracking. And automatic wind-drift correction during radial tracking.

300 Transceiver — The compact, lightweight Cessna 300 transceiver covers all 360 VHF Com frequencies from 118.0 to 135.95 MHz.

300 Nav/Com (90 Channels) — Has simplex tuning and is crystal-controlled. It facilitates four additional audio inputs, incorporates a front-panel squelch control, and has a back-lighted panel and provides localizer audio for reception of ATIS.

300 Nav/Com (360 Channels) — The remote indicator includes the deviation indicator, course indicator, OFF/TO-FROM indicator and VOR course selector.

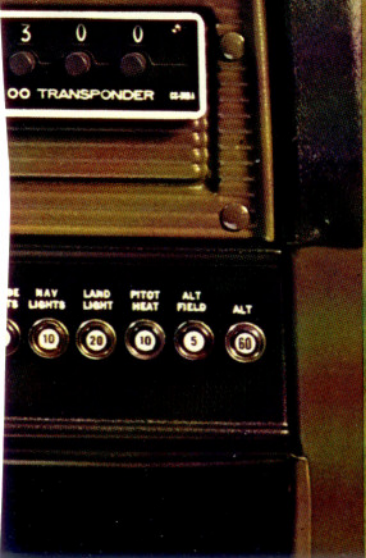
300 ADF — The three-band receiver, with self-contained power package and tuning meter, eliminates the need for remote boxes. The 300 ADF is available with or without BFO (Beat Frequency Oscillator).

300 Marker Beacon — Both aural and visual indication are given by this one-pound receiver. It incorporates a "HI" and "LO" sensitivity selector switch and "push to test" indicator lights.

Glide Slope Receiver — This is a 20-channel receiver that receives and interprets vertical guidance information during ILS approaches.

300 HF — This is what you need when stations are few and far between. It is a 10-channel high frequency transceiver with fixed antenna and load box.

300 Transponder — The 300 transponder has a reply code capability of up to 4096 with Modes A and AC. Positive and quick aircraft identification is now available at a low price.





Performance and Specifications

	Model 177		Cardinal	
GROSS WEIGHT	2500 lbs.	1134 kg	2500 lbs.	1134 kg
SPEED:				
Top Speed at Sea Level	150 mph	241 kph	153 mph	246 kph
Cruise, 75% Power at 8000 feet	139 mph	224 kph	142 mph	229 kph
RANGE:				
Cruise, 75% Power at 8000 feet	675 mi.	1086 km	690 mi.	1110 km
49 Gallons, No Reserve	4.9 hr.	4.9 hr.	4.9 hr.	4.9 hr.
	139 mph	224 kph	142 mph	229 kph
Optimum Range at 10,000 feet	775 mi.	1247 km	790 mi.	1271 km
49 Gallons, No Reserve	6.3 hr.	6.3 hr.	6.3 hr.	6.3 hr.
	123 mph	198 kph	125 mph	201 kph
RATE-OF-CLIMB AT SEA LEVEL:	840 fpm	256 mpm	840 fpm	256 mpm
SERVICE CEILING:	14,600 ft.	4450 m	14,600 ft.	4450 m
TAKEOFF:				
Ground Run	750 ft.	229 m	750 ft.	229 m
Total Distance Over 50-ft. Obstacle	1400 ft.	427 m	1400 ft.	427 m
LANDING:				
Ground Roll	600 ft.	183 m	600 ft.	183 m
Total Distance Over 50-ft. Obstacle	1220 ft.	372 m	1220 ft.	372 m
STALL SPEED:				
Flaps Up, Power Off	63 mph	101 kph	63 mph	101 kph
Flaps Down, Power Off	53 mph	85 kph	53 mph	85 kph
EMPTY WEIGHT: (Approximate)	1430 lbs.	649 kg	1480 lbs.	671 kg
USEFUL LOAD:	1070 lbs.	485 kg	1020 lbs.	463 kg
BAGGAGE:	120 lbs.	54 kg	120 lbs.	54 kg
WING LOADING:	14.4 lbs./ft ²	70.2 kg/m ²	14.4 lbs./ft ²	70.2 kg/m ²
POWER LOADING:	13.9 lbs./hp	6.3 kg/hp	13.9 lbs./hp	6.3 kg/hp
FUEL CAPACITY:	50 gallons	189 liters	50 gallons	189 liters
OIL CAPACITY:	8 quarts	7.6 liters	8 quarts	7.6 liters
POWER:				
Four-Cylinder Engine	180 rated hp at 2700 rpm		180 rated hp at 2700 rpm	
PROPELLER:				
Constant-Speed, Diameter:	76 in.	1.93 m	76 in.	1.93 m
WING SPAN:	35 ft. 6 in.	10.82 m	35 ft. 6 in.	10.82 m
WING AREA:	174 sq. ft.	16.16 m ²	174 sq. ft.	16.16 m ²
LENGTH:	26 ft. 11½ in.	8.22 m	26 ft. 11½ in.	8.22 m
HEIGHT: (With Depressed Nose Strut)	9 ft. 1 in.	2.77 m	9 ft. 1 in.	2.77 m

Performance and Specifications Subject to Change Without Notice

Standard and Optional Equipment List

FLIGHT DECK

	CARDINAL	177
Primary Group — Includes sensitive altimeter, electric clock, outside air temperature gauge, landing light, rate-of-climb indicator, turn coordinator indicator, sun visors..	S	0
Sensitive Altimeter — Feet and millibars	0	0
Ammeter	S	S
Boom Microphone With Control Wheel Switch	0	0
Magnetic Compass	S	S
Mixture Control	S	S
Propeller Control	S	S
Black Hard Anodized Control Tube	S	S
Control Wheel Map Light	0	0
Dual Controls — Wheel, pedals, and toe brakes	0	0
Three-Position Selector Fuel Valve	S	S
On-Off Fuel Valve	S	S
Fuel Pressure Gauge	S	S
Manifold Pressure Gauge	S	S
Carburetor Air Temperature Gauge	0	0
Cowl Flaps	S	S
Three Engine Gauge Units — Oil pressure and left-hand fuel, oil temperature and right-hand fuel, ammeter and cylinder head temperature	S	S
Horizon And Directional Gyros — Includes suction gauge and vacuum system	S	0
Airspeed Indicator	S	S
True Airspeed Indicator	0	0
Economy Mixture Indicator	0	0
Turn And Bank Indicator	0	0
Wing Flaps Preselect Indicator	S	S
Audible Stall Warning Indicator	S	S
Removable Instrument Panel — Flight instrument section	S	S
Shock-Mounted Instrument Panel — Gyros only	S	S
Variable Intensity Instrument Panel Red Flood Lights	S	S
Aileron And Stabilator Controls Lock	S	S
Flight Hour Recorder	0	0
Rudder And Stabilator Trim System	S	S
INTERIOR		
Accessory Installation Provisions For Cargo Rings, Courtesy Lights, Headrests, Rear Seat Ventilation, Rear Seat Safety Belt System and Sun Visors	S	S

INTERIOR (Cont.)

	CARDINAL	177
Armrests — Front only	—	S
Armrests — Front and rear	S	—
Ashtrays — Front only	—	S
Ashtrays — front and rear	S	—
Black Carpet	0	0
Windshield Defroster	S	S
Hand-Type Fire Extinguisher	0	0
Headrests	0	0
Cabin Heating System	S	S
Clothes Hanger Hook	S	S
All Vinyl Seats	0	0
Special Interior Appointments — Includes carpeted baggage area and scuff side panels, and seat back map pockets.	S	S
Dome Light	S	S
Cigarette Lighter	S	S
Map Compartment	S	S
Rearview Mirror	0	0
Baggage Net	S	S
Two Map And Storage Pockets	S	S
Child's Seat	0	0
Individual Front Articulating, Vertical Manual Adjusting Seat ..	0	0
Rear Seat With Adjustable Back ..	S	S
Adjustable Fore and Aft Front Seats With Reclining Backs	S	S
Individual Reclining Rear Seats	0	0
Safety Belt System — Pilot and copilot Safety Belt System — Third and fourth seats	S	S
Soundproofing	0	0
Two Assist Straps	S	S
Stretcher Installation	0	0
Utility Shelf	S	S
Rear Seat Ventilation System	0	0
Two Adjustable Ventilation Windows ..	S	S
Adjustable Cabin Air Ventilators — Front only	S	S
Rear Window	S	S
POWER PLANT AND ACCESSORIES		
60-Amp, 12-Volt Alternator	S	S
12-Volt, 24-Amp/hr Battery	S	S
12-Volt, 33-Amp/hr Battery	0	0
Shock-Mounted Cowling	S	S
Carburetor Air Filter	S	S
Full-Flow Oil Filter	0	0
Engine-Driven Fuel Pump	S	S
Electric Fuel Pump	S	S
Carburetor Air Heating System	S	S
Key-Operated Ignition And Starter Switch	S	S
Dual Magneto Ignition System	S	S

POWER PLANT AND ACCESSORIES (cont.)

	CARDINAL	177
Engine Exhaust Muffler With Heat Exchanger	S	S
Oil Cooler	S	S
Three Cylinder Manual Type Engine Primer System	0	0
Engine Priming System	S	S
Constant-Speed Propeller	S	S
Voltage Regulator	S	S
Engine Ignition Shielding	S	S
All-Electric Engine Starter	S	S
Alternate Static Source	0	0
Fuel Strainer With Quick-Drain	S	S
Recording Tachometer	S	S
Vacuum Pump Pad	S	S
Quick-Drain Oil Valve	0	0
EXTERIOR		
Heavy-Duty Axles	0	0
Omni-Flash Beacon	S	S
Parking Brake	S	S
Hydraulic Toe-Operated Brakes	S	S
Internal Corrosion Proofing	0	0
Navigation Light Detectors	0	0
Baggage Compartment Door	S	S
Two Wide Cabin Doors	S	S
Main Gear Spring Fairings	S	S
Wheel Speed Fairings	S	0
Electric Para-Lift Wing Flaps	S	S
Cowl Flaps	S	S
Ground Service Plug Receptacle	0	0
Pitot Heating System	0	0
Wheel Hub Caps	S	S
Tubular Land-O-Matic Landing Gear ..	S	S
Landing Light — Cowl Mounted	S	0
Set Of Three Courtesy Lights	0	0
Navigation Lights	S	S
White, Wing-Tip Strobe Lights	0	0
Steerable Nose Gear	S	S
Retractable Tie-Down Aircraft Rings ..	S	S
Overall Paint Scheme	S	0
Bullet-Styled Propeller Spinner	S	S
Two Cabin Steps	S	S
Tailcone Lift Handles	0	0
Tube-Type Tires	S	S
Whitewall Tube-Type Tires	0	0
Aircraft Tow Bar	S	0
Tinted Windows	0	0
Wing Leveler System	0	0
Engine Winterization Kit	0	0

Standard And Optional Equipment List Subject To Change Without Notice
 S indicates Standard equipment
 0 indicates Optional equipment