

# THE REMARKABLE

# WREN

# 460

**Unites Rotary Wing Utility And Fixed Wing Speed, Safety, Economy, and Simplicity of Operation**

## STANDARD EQUIPMENT

**AIRFRAME:**  
NEW PRODUCTION CESSNA 180\* OR 182

**POWER:**  
CONTINENTAL O-470-R 230 HP CARBURETED ENGINE  
DRIVING 82" DIAMETER CONSTANT SPEED  
PROPELLER

**INSTRUMENTS:**  
AIRSPEED INDICATOR (LSI—TRUE AIRSPEED)  
AIRSPEED INDICATOR (CONVENTIONAL)  
STANDARD ALTIMETER  
MAGNETIC COMPASS  
MANIFOLD PRESSURE GAUGE  
TACHOMETER (RECORDING)  
ENGINE UNIT GAUGES  
AMMETER  
CYLINDER HEAD TEMPERATURE  
OIL PRESSURE  
OIL TEMPERATURE  
ELECTRIC FUEL GAUGES (2)  
FLAP POSITION INDICATOR  
STALL WARNING INDICATOR

**CABIN ACCESSORIES:**  
ARM RESTS (4)  
ASH TRAYS (4)  
ATTACHMENT PROVISIONS FOR:  
CARGO RINGS  
SHOULDER HARNESS  
SUN VISORS  
CARPET  
SEAT CUSHIONS AND NO SAG SEAT SPRINGS  
HEATING SYSTEM  
CLOTHES HANGER HOOK  
CIGARETTE LIGHTER  
DOME AND MAP LIGHT (2 EA.)  
RED INSTRUMENT PANEL LIGHTS, VARIABLE  
INTENSITY  
MAP COMPARTMENT  
RADIO CALL PLATE  
MAP AND STORAGE POCKETS (4)  
COMPASS CARD RETAINER  
REAR SEATS, ADJUSTING BACKS  
FRONT SEATS, ADJUSTABLE FORE AND AFT,  
RECLINING BACKS  
SOUND PROOFING  
ASSIST STRAPS (2)  
CABIN AIR VENTILATORS  
HINGED WINDOW, LEFT SIDE  
WIRING PROVISIONS, COURTESY LIGHTS  
WINDSHIELD DEFROSTER  
SHOCK-MOUNTED INSTRUMENT PANEL

**ACCESSORIES:**  
BATTERY, 12 VOLT  
WREN FULL-SPAN, DOUBLE-SLOTTED, HI-LIFT FLAPS  
(ELECTRIC ON 182)

WREN'S TEETH VORTEX-GENERATOR SPOILERS  
ROBERTSON ULS (ULTRA LOW SPEED) NOSE  
CONTROL SYSTEM  
WREN AUGMENTED STALL-RESISTANT LEADING  
EDGE CUFFS  
GRAVITY TYPE FUEL SYSTEM (60 GAL.)  
GENERATOR (50 AMP. 12 VOLT)  
COWL FLAPS  
CARBURETOR AIR HEATING SYSTEM  
CARBURETOR AIR FILTER  
MAIN WHEEL HUB CAPS (182 ONLY)  
DUAL MAGNETO IGNITION SYSTEM  
LANDING LIGHT (DUAL BEAM)  
NAVIGATION LIGHTS  
PROVISIONS FOR ROTATING BEACON  
ENGINE EXHAUST MUFFLER (WITH HEAT  
EXCHANGERS)  
STEERABLE NOSE WHEEL (182 ONLY)  
OIL COOLER  
CONSTANT SPEED PROPELLER  
SPRING STEEL LANDING GEAR  
VOLTAGE REGULATOR (50 AMP. 12 VOLT)  
TIE-DOWN RINGS (RETRACTABLE)  
ENGINE IGNITION SHIELDING  
PROPELLER SPINNER  
ELECTRIC STARTER  
FUEL STRAINER (CABIN QUICK DRAIN)  
NYLON TIRES (WITH TUBES)  
WING STRUT SPEED FAIRING  
ELEVATOR AND RUDDER TRIM SYSTEMS

**CONTROLS:**  
PARKING BRAKE  
HYDRAULIC, TOE-OPERATED BRAKES  
COWL FLAP CONTROL  
FUEL STRAINER DRAIN CONTROL  
MIXTURE CONTROL ("BRAILLE" WITH SAFETY LOCK)  
PROPELLER CONTROL ("BRAILLE"—VERNIER TYPE)  
THROTTLE CONTROL ("BRAILLE")  
FOUR POSITION FUEL VALVE  
IGNITION SWITCH, KEY OPERATED  
AILERON AND ELEVATOR CONTROL LOCK  
ENGINE PRIMING SYSTEM  
CIRCUIT BREAKERS

**OTHER:**  
OUTSIDE BAGGAGE COMPARTMENT DOOR  
BAGGAGE AND CABIN DOOR LOCKS  
CABIN STEPS (2)

PRICE, FAF, FORT WORTH, TEXAS... \$29,950.

PRICE AND EQUIPMENT SUBJECT TO CHANGE  
WITHOUT NOTICE.

\*CESSNA 180 AIRFRAME (WITH CONVENTIONAL LAND-  
ING GEAR) AVAILABLE ON SPECIAL ORDER.

## SPECIFICATIONS WREN 460\*

**WEIGHTS:**  
Weight Empty.....1,595 lbs.  
Useful Load.....1,205 lbs.  
Gross Weight.....2,800 lbs.

**CAPACITY:**  
Number of Seats.....4  
Fuel Capacity.....65 gals.  
(84 optional)

**PERFORMANCE:**  
(Sea Level Standard, Full Gross Weight, unless otherwise noted)  
Top Speed.....over 160 mph  
Cruise Speed, 75% Power, at 6,500 ft.....153 mph  
Minimum Speed, Power On.....under 26 mph  
Minimum Speed, Power Off.....under 35 mph  
Stall Speeds:  
With Power, Flaps Retracted.....40 mph  
Power Off.....no stall  
Cruising Range, 75% Power, 60 gals.....658 mi. @ 153 mph  
Cruising Range, Optimum, 79 gals.....1,180 mi. @ 118 mph  
Rate of Climb, Sea Level.....972 fpm  
Service Ceiling.....18,900 ft.  
Take-off Distance, Full Gross, Zero Wind.....under 300 ft.  
Take-off Distance, 2,200 lbs. 15 mph Wind.....under 150 ft.  
Take-off Distance, total over 50 ft. obstacle, Full Gross Weight, Zero Wind.....under 500 ft.  
Take-off Distance, total over 50 ft. obstacle, 2,200 lbs. 15 mph Wind.....under 350 ft.  
Landing Distance, Ground Roll.....under 200 ft.  
Landing Distance, total over 50 ft. obstacle.....under 350 ft.

**POWER:**  
Continental O-470-R rated at 230 hp at 2,600 rpm  
driving 82" diameter constant speed propeller.

**DIMENSIONS AND AREAS:**  
Overall Length.....25'3"  
Overall Height.....10'4"  
Overall Span.....36'2"  
Wing Area.....175 sq. ft.  
Wing Loading, lbs. per sq. ft.....16.1  
Power Loading, lbs. per hp.....12.2

\*182 AIRFRAME

## WREN AIRCRAFT CORPORATION

P. O. BOX 4115  
Fort Worth 6, Texas

MEACHAM FIELD  
817 - MARKET 4-1155