

# 470

## AVGAS ENGINE SERIES



You'll often hear pilots referring to the Continental® O-470 in reverent tones as "old reliable". Powering the majority of Cessna® 180 and 182 aircraft from 1953 through 1986, this workhorse of an engine embodies simplicity, efficiency, and ruggedness. Its track record speaks louder than words: the 470 is a brawny power plant. In fact, some versions make full power at a smooth, quiet 2400 RPM. Ranging in output from 230 to 260 horsepower, the 470 engines come equipped with either a reliable carburetor or our extremely efficient continuous flow fuel injection system. Confidence among pilots can be difficult to achieve, but if there was an award for one of the most trusted aircraft engines in the sky, the 470 series would win hands down. Just ask any pilot or owner of one.

**THE 470 SERIES IS A FAMILY OF AIR COOLED, NATURALLY ASPIRATED, HORIZONTALLY OPPOSED, 6-CYLINDER, GASOLINE, FUEL INJECTED, SPARK IGNITION, FOUR-STROKE, DIRECT DRIVE, RIGHT (CW) ROTATING, AIRCRAFT ENGINE WITH MANUAL ENGINE CONTROLS FOR FIXED WING AIRCRAFT.**

**CERTIFIED FUELS:**  
80/87  
100/100LL AvGas

**DISPLACEMENT:**  
7722 cm<sup>3</sup>  
471 in<sup>3</sup>

**POWER:**  
172 to 194 kW  
230 to 260 HP

**MAXIMUM RATED RPM:**  
2400 to 2625 r/min  
2400 to 2625 rpm

**BORE:**  
127 mm  
5 in

**STROKE:**  
101.6 mm  
4 in

**COMPRESSION RATIO:**  
7.0:1  
8.6:1

**HEIGHT:**  
501.7 to 721.9 mm  
19.75 to 28.42 in

**WIDTH:**  
846.2 to 852.9 mm  
33.32 to 33.58 in

**LENGTH:**  
915.2 to 1197.9 mm  
36.03 to 47.16 in

**DRY WEIGHT:**  
191.5 to 211.1 kg  
422.2 to 465.5 lbs

**TIME BETWEEN OVERHAUL (TBO):**  
1700-2200 hours

# 470 AVGAS SERIES DETAILS



MODEL	# CYL	RATED POWER <sup>1</sup>	BORE × STROKE	DISPLACEMENT	DRY WEIGHT <sup>2</sup>	CERTIFIED FUEL GRADE	COMPRESSION RATIO	TIME BETWEEN OVERHAUL (TBO)	FAA TCDS
O-470-R	6	172 kW @ 2600	127.0 × 101.6 mm	7722 cm <sup>3</sup>	193.6 kg	80/87	7.0:1	1700 hours or 12 years	E-273
		230 HP @ 2600	5.00 × 4.00 in	471 in <sup>3</sup>	426.8 lbs				
O-470-S	6	172 kW @ 2600	127.0 × 101.6 mm	7722 cm <sup>3</sup>	194.7 kg	80/87	7.0:1	1700 hours or 12 years	E-273
		230 HP @ 2600	5.00 × 4.00 in	471 in <sup>3</sup>	429.2 lbs				
O-470-U	6	172 kW @ 2400	127.0 × 101.6 mm	7722 cm <sup>3</sup>	191.5 kg	100/100LL	8.6:1	2200 hours or 12 years	E-273
		230 HP @ 2400	5.00 × 4.00 in	471 in <sup>3</sup>	422.2 lbs				
IO-470-L	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm <sup>3</sup>	211.1 kg	100/100LL	8.6:1	1700 hours or 12 years	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in <sup>3</sup>	465.5 lbs				
IO-470-N	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm <sup>3</sup>	207 kg	100/100LL	8.6:1	1700 hours or 12 years	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in <sup>3</sup>	456.3 lbs				
IO-470-U	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm <sup>3</sup>	203.2 kg	100/100LL	8.6:1	1700 hours or 12 years	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in <sup>3</sup>	447.9 lbs				
IO-470-VO	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm <sup>3</sup>	203.8 kg	100/100LL	8.6:1	1700 hours or 12 years	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in <sup>3</sup>	449.2 lbs				

1. Engine rated power at sea level standard day inlet conditions (29.92 in Hg, 59°F, 0 water vapor) with maximum allowable cylinder head and oil temperatures with full rich (maximum) fuel flow.

2. Typical engine weight including all accessories.

