



470

AVGAS

ENGINE SERIES

Pilots often call the Continental® O-470 "old reliable," which powered most Cessna® 180 and 182 models. This durable engine symbolizes simplicity, efficiency, and ruggedness. This engine series has a strong power source, with a full power range of 2400 to 2625 RPM. With 230 to 260 horsepower, it is available with either a carburetor or our efficient continuous-flow fuel injection. The 470 series remains one of the most trusted engines, valued by pilots and owners for its proven reliability and performance.

POWER:

172 to 194 kW
(230 to 260 HP)

MAX RATED RPM:

2400 to 2625 rpm

BORE × STROKE:

127 mm × 101.6 mm
(5.00 in × 4.00 in)

DISPLACEMENT:

7722 cm³
(471 in³)

COMPRESSION RATIO:

7.0:1 or 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)

CERTIFIED FUELS:

80/87, 100/100LL AvGas

TIME BETWEEN OVERHAUL (TBO):

1700 to 2200 hrs or 12 yrs

470 AVGAS SERIES DETAILS

MODEL	# CYL	RATED POWER ¹	BORE × STROKE	DISPLACEMENT	WEIGHT ²	FUEL GRADES	COMP. RATIO	TBO	FAA TCDS
O-470-R	6	172 kW @ 2600	127.0 × 101.6 mm	7722 cm ³	193.6 kg	80/87	7.0:1	1700 hrs or 12 yrs	E-273
		230 HP @ 2600	5.00 × 4.00 in	471 in ³	426.8 lbs				
O-470-S	6	172 kW @ 2600	127.0 × 101.6 mm	7722 cm ³	194.7 kg	80/87	7.0:1	1700 hrs or 12 yrs	E-273
		230 HP @ 2600	5.00 × 4.00 in	471 in ³	429.2 lbs				
O-470-U	6	172 kW @ 2400	127.0 × 101.6 mm	7722 cm ³	191.5 kg	100/100LL	8.6:1	2200 hrs or 12 yrs	E-273
		230 HP @ 2400	5.00 × 4.00 in	471 in ³	422.2 lbs				
IO-470-L	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm ³	211.1 kg	100/100LL	8.6:1	1700 hrs or 12 yrs	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in ³	465.5 lbs				
IO-470-N	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm ³	207 kg	100/100LL	8.6:1	1700 hrs or 12 yrs	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in ³	456.3 lbs				
IO-470-U	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm ³	203.2 kg	100/100LL	8.6:1	1700 hrs or 12 yrs	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in ³	447.9 lbs				
IO-470-VO	6	194 kW @ 2625	127.0 × 101.6 mm	7722 cm ³	203.8 kg	100/100LL	8.6:1	1700 hrs or 12 yrs	3E1
		260 HP @ 2625	5.00 × 4.00 in	471 in ³	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.