



550

AVGAS

ENGINE SERIES

The 550 series includes 550 in³ models in either naturally aspirated or turbocharged configurations. With the right combination of thrust and efficiency, our 550-series engines are powering some of the most successful and high-performing aircraft in general aviation history, like the Cirrus® SR22, SR22T, Beechcraft® Baron/Bonanza, and Mooney®. With a powerful range of 280 to 350 horsepower at 2500 to 2700 RPM, you will be glad you fly behind a 550.

POWER:
209 to 261 kW
(280 to 350 HP)

MAX RATED RPM:
2500 to 2700 rpm

BORE × STROKE:
133.35 mm × 107.95 mm
(5.25 in × 4.25 in)

DISPLACEMENT:
9046 cm³
(552 in³)

COMPRESSION RATIO:
7.5:1 or 8.5:1

HEIGHT:
501.7 to 933.2 mm
(19.75 to 36.74 in)

WIDTH:
852.4 to 1076.7 mm
(33.56 to 42.39 in)

LENGTH:
933.2 to 1215.6 mm
(36.74 to 47.86 in)

DRY WEIGHT:
206.8 to 317 kg
(455.9 to 699 lbs)

CERTIFIED FUELS:
94UL, 100/100LL Avgas

TIME BETWEEN OVERHAUL (TBO):
1800 to 2200 hrs or 12 yrs

550 AVGAS SERIES DETAILS

MODEL	# CYL	RATED POWER ¹	BORE x STROKE	DISPLACEMENT	WEIGHT ²	FUEL GRADES	COMP. RATIO	TBO	FAA TCDS
IO-550-A	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	206.8 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	455.9 lbs				
IO-550-B	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	219.8 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	484.5 lbs				
IO-550-C	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	224 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	493.9 lbs				
IO-550-D	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	209.4 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	461.7 lbs				
IO-550-E	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	213.6 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	470.9 lbs				
IO-550-G	6	209 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	231 kg	100/100LL	8.5:1	2200 hrs or 12 yrs	E3SO
		280 HP @ 2700	5.25 x 4.25 in	552 in ³	509.2 lbs				
IO-550-F, L	6	224 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	211.8 kg	100/100LL	8.5:1	1900 hrs or 12 yrs	E3SO
		300 HP @ 2700	5.25 x 4.25 in	552 in ³	466.9 lbs				
IO-550-N, P, R	6	231 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	222.7 kg	100/100LL	8.5:1	2200 hrs or 12 yrs	E3SO
		310 HP @ 2700	5.25 x 4.25 in	552 in ³	490.9 lbs				
TSIO-550-B	6	261 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	317 kg	100/100LL	7.5:1	1800 hrs or 12 yrs	E5SO
		350 HP @ 2700	5.25 x 4.25 in	552 in ³	699 lbs				
TSIO-550-C	6	231 kW @ 2600	133.35 x 107.95 mm	9046 cm ³	301.8 kg	100/100LL	7.5:1	2200 hrs or 12 yrs	E5SO
		310 HP @ 2600	5.25 x 4.25 in	552 in ³	665.4 lbs				
TSIO-550-E	6	261 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	307 kg	100/100LL	7.5:1	1800 hrs or 12 yrs	E5SO
		350 HP @ 2700	5.25 x 4.25 in	552 in ³	676.9 lbs				
TSIO-550-G	6	231 kW @ 2700	133.35 x 107.95 mm	9046 cm ³	251.3 kg	100/100LL	7.5:1	2200 hrs or 12 yrs	E5SO
		310 HP @ 2700	5.25 x 4.25 in	552 in ³	554 lbs				
TSIO-550-K	6	235 kW @ 2500	133.35 x 107.95 mm	9046 cm ³	285 kg	100/100LL UL94	7.5:1	2200 hrs or 12 yrs	E5SO
		315 HP @ 2500	5.25 x 4.25 in	552 in ³	628.4 lbs				
TSIO-550-N	6	235 kW @ 2500	133.35 x 107.95 mm	9046 cm ³	278.3 kg	100/100LL	7.5:1	2200 hrs or 12 yrs	E5SO
		315 HP @ 2500	5.25 x 4.25 in	552 in ³	613.7 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.