

# TITAN™ ENGINE

## PERFORMANCE SPECIFICATIONS



	X-340 SERIES	X-370 SERIES
<b>AIRFRAME:</b>	Experimental	Experimental
<b>MAXIMUM CONTINUOUS HP:</b>	174/180 HP	185/195 HP
<b>MAXIMUM RPM @ FULL POWER:</b>	2700	2700
<b>RECOMMENDED TBO:</b>	2000/2400 hours (ASTM)	2000 hours
<b>NUMBER OF CYLINDERS:</b>	4	4
<b>BORE:</b>	5.125 in	5.125 in
<b>STROKE:</b>	4.125	4.5 in
<b>DISPLACEMENT:</b>	340 in <sup>3</sup>	371 in <sup>3</sup>
<b>COMPRESSION RATIO:</b>	8.0:1/9.0:1	8.1:1/9.6:1
<b>CHT – MAXIMUM:</b>	500°F	500°F
<b>CHT AT MAXIMUM CRUISE (RECOMMENDED):</b>	425°F	425°F
<b>SPARK PLUG BOSS**:</b>	18mm	18mm
<b>FUEL DELIVERY:</b>	Carb/Injection	Carb/Injection
<b>AVIATION GRADE, OCTANE (RECOMMENDED):</b>	100/100LL	100/100LL
<b>HEIGHT:</b>	20.36 to 23 in	20.36 to 24.8 in
<b>WIDTH:</b>	32.27 in	33.41 in
<b>LENGTH:</b>	29.07 in	29.07 in
<b>ESTIMATED DRY WEIGHT***:</b>	259 to 296 lbs	277 to 296 lbs
<b>NORMAL OPERATING OIL TEMP:</b>	180°F to 245°F	180°F to 245°F
<b>NORMAL OPERATING OIL PRESSURE, PSI (MAXIMUM/MINIMUM/IDLING):</b>	90/60/25	90/60/25
<b>ENGINE MOUNT:</b>	Dynafocal Type 1 or Conical	Dynafocal Type 1 or Conical
<b>PROPELLER:</b>	Constant Speed or Fixed	Constant Speed or Fixed
<b>PROP GOVERNOR LOCATION:</b>	Right Rear/Front LH	Right Rear/Front LH
<b>CRANKSHAFT FLANGE:</b>	0.38 in thick	0.44 in thick
<b>CRANKSHAFT BUSHINGS (PROP BOLT SIZE):</b>	3/8 to 1/2 UNF	1/2 - 20 UNF
<b>OIL CAPACITY:</b>	8 quarts	8 quarts
<b>INDUCTION PLENUM:</b>	Warm Vertical-Magnesium / Cold- Horizontal	Warm Vertical -Magnesium / Cold- Horizontal

\*\*Can be configured with 14mm inserts for certain electronic ignition systems.

\*\*\*Engine weights vary with engine model and configuration.