

IO-240-B

Type Certificate E7SO

ENGINE SPECIFICATIONSIO-240-B

Cylinders

Arrangement Horizontally Opposed
 Number of Cylinders 4
 Compression Ratio 8.5:1
 Firing Order 1-3-2-4
 Bore (Inches) 4.438
 Stroke (Inches) 3.875
 Piston Displacement (cu. in.) 240

Brake Horsepower

Rated Maximum Continuous Operation 125 BHP @ 2800 RPM
 Recommended Cruise 94 BHP @ 2550 RPM

OPERATING LIMITS

Crankshaft Speed - RPM

Rated Maximum Continuous Operation 2800
 Idle 700

Manifold Pressure Limit (In. Hg.) Absolute 29.5"

Fuel Control System TCM Fuel Injection

Fuel 100/100LL

Oil

TEMPERATURE	AVIATION GRADE	SAE GRADE	MULTI-VISCOSITY
BELOW 40	65	30	10W-30 / 15W-50 / 20W-50
ABOVE 40	100	50	15W-50 / 20W-50 / 20W-60

Oil Pressure

Idle, Minimum, psi 10
 Normal Operation, psi 30-60

Oil Sump Capacity (U.S. Quarts) 6

Max. Oil Consumption (Lb./BHP/Hr. Max.)006 X % Power
 100

Oil Temperature Limits

Minimum for Take-Off 75° F
 Maximum Allowable 240° F

Cylinder Head Temperature

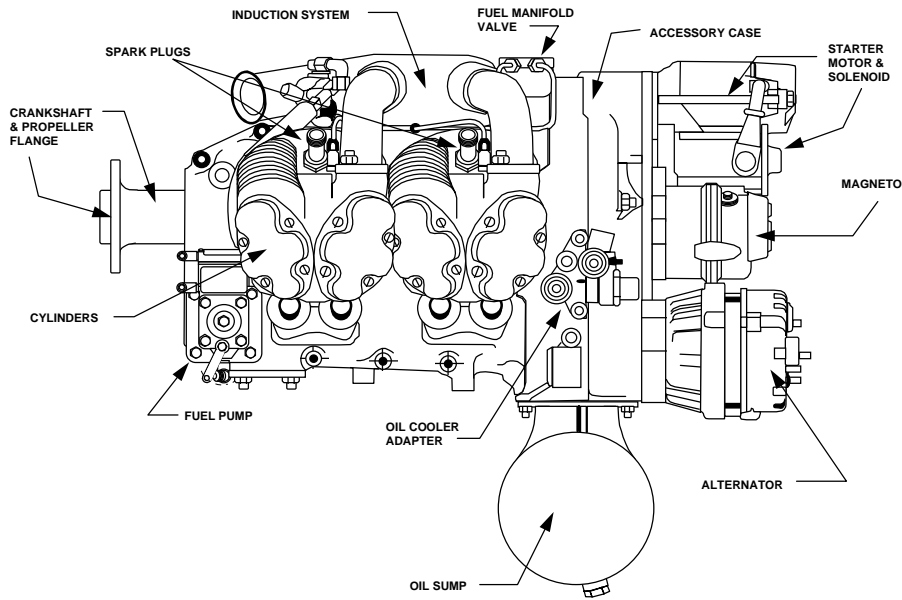
Recommended Max. at Cruise 360° - 420° F
 Limit 460° F

Ignition Timing (Compression Stroke, Breaker Opens)

Right Magneto, Degrees BTC 26°
 Left Magneto, Degrees BTC 26°

Spark Plug

TCM 630049
 Champion RHB38E



The IO-240-B is a four cylinder fuel injected engine producing 125 brake horsepower and has a crankshaft speed of 2800 RPM. The engine has horizontally opposed air cooled cylinders. The engine cylinders are cross flow design having overhead inclined valves. The cylinders have downdraft intake inlets mounted on the top of the cylinder head and downdraft exhaust outlets located on the bottom of the cylinder.

The IO-240-B engine has a 240 cubic inch displacement achieved by using a cylinder design with a 4.438 inch diameter bore and a 3.875 inch stroke. The dry weight of the engine is 205.0 lbs. without accessories. The average weight of the engine with installed accessories is approximately 250 lbs.

OVERALL ENGINE DIMENSIONS INCHES	
HEIGHT	23.5
WIDTH	31.4
LENGTH	29.1



CONTINENTAL MOTORS