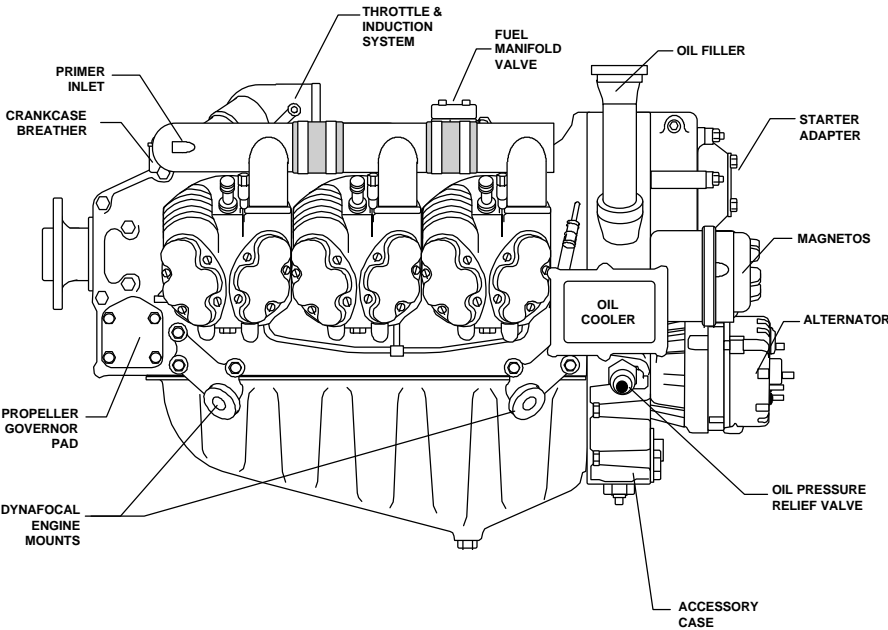


IO-360 J, JB, K, KB

Type Certificate E1CE



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.

ENGINE MODEL	RATED MAX. CONT. BHP	MAX RPM
IO-360-J, JB, K, KB	195 BHP	2600 RPM

The IO-360 Series engines have a 360 cubic inch displacement achieved by using a cylinder design with a 4.438 inch diameter bore and a 3.875 inch stroke. The IO-360-J, JB, K & KB engine's dry weight is 327.25 lbs. without accessories.

OVERALL ENGINE DIMENSIONS INCHES	
HEIGHT	22.43
WIDTH	31.46
LENGTH	34.03

ENGINE SPECIFICATIONSIO-360-J, JB, K, KB

Cylinders
Arrangement Horizontally Opposed
Number of Cylinders 6
Compression Ratio 8.5:1
Firing Order 1-6-3-2-5-4
Bore (Inches) 4.438
Stroke (Inches) 3.875
Piston Displacement (cu. in.) 360

Brake Horsepower
Rated Maximum Takeoff 210 BHP @ 2800 RPM
Rated Maximum Except Takeoff 195 BHP @ 2600 RPM

OPERATING LIMITS
Crankshaft Speed - RPM
Rated Maximum Continuous Operation 2800
Recommended Idle 600

Manifold Pressure Limit (In. Hg.) Absolute Full Throttle
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) 10
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 380° F
Limit 460° F

Ignition Timing (Compression Stroke, Breaker Opens)
Right Magneto, Degrees BTC 20°
Left Magneto, Degrees BTC 20°

Spark Plug
TCM 628325
Champion REM38E

