

## 360 Series

# LYCOMING

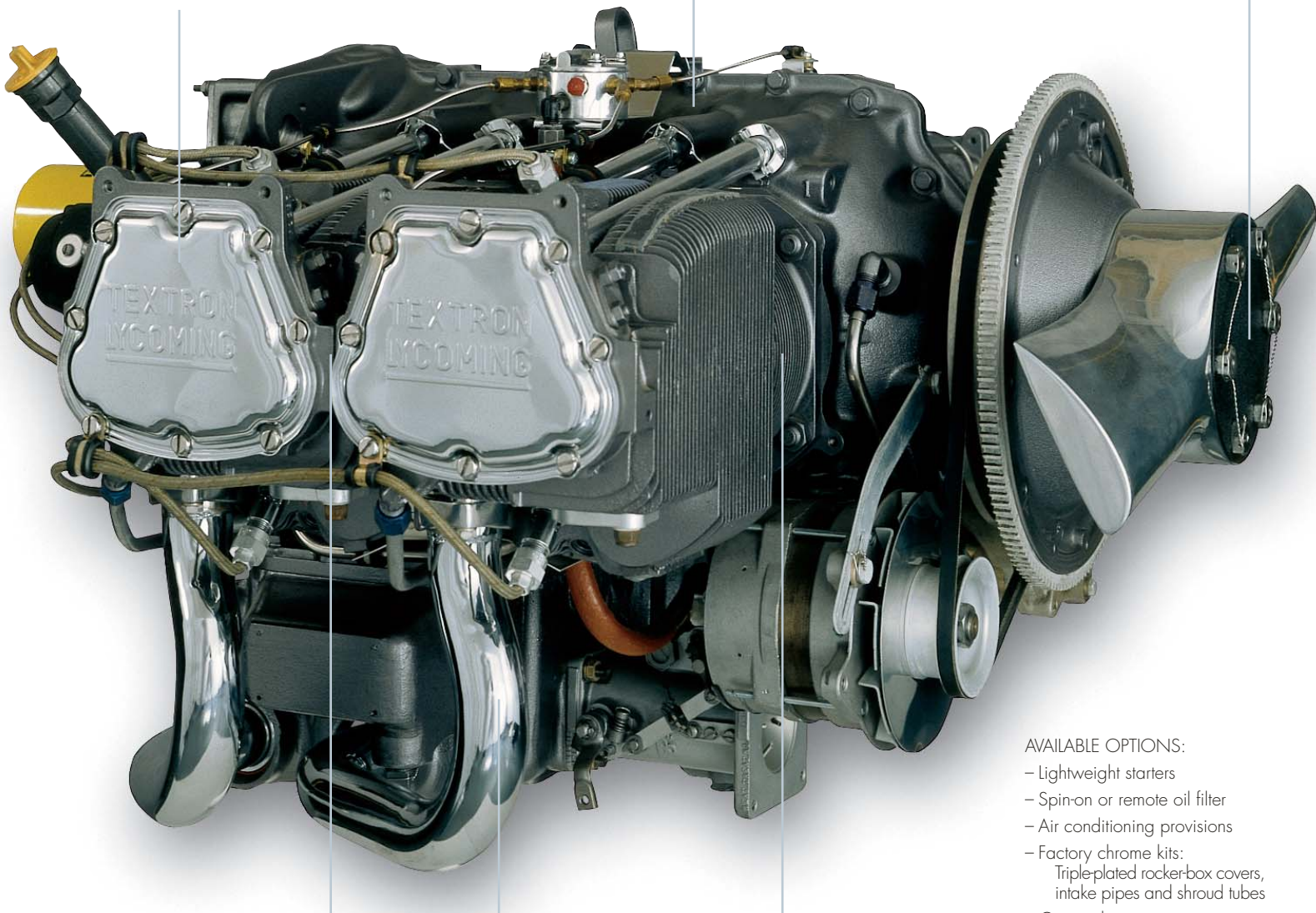
*Rugged reliability meets silky smooth performance.*

The Lycoming O-360 series engines are four-cylinder, direct-drive, horizontally opposed, air-cooled models. The cylinders are of conventional air-cooled construction with heads made from an aluminum-alloy casting and a fully machined combustion chamber. Rocker-shaft bearing supports are cast integral with the head, along with housings to form the rocker boxes. The cylinder barrels have deep integral cooling fins, and the inside of the barrels are ground and honed to a specified finish. The IO-360 and TIO-360 series engines are equipped with a fuel-injection system, which schedules fuel flow in proportion to airflow. Fuel vaporization takes place at the intake ports. A turbocharger is mounted as an integral part of the TIO-360 series. Automatic waste-gate control of the turbocharger provides constant air density to the fuel injector inlet from sea level to critical altitude.

CHROMIUM-MODIFIED  
NIRE-SIST IRON EXHAUST-VALVE GUIDES,  
RESULTING IN BETTER WEAR  
CHARACTERISTICS

FORGED-STEEL CAMSHAFTS

FORGED-STEEL CRANKSHAFTS



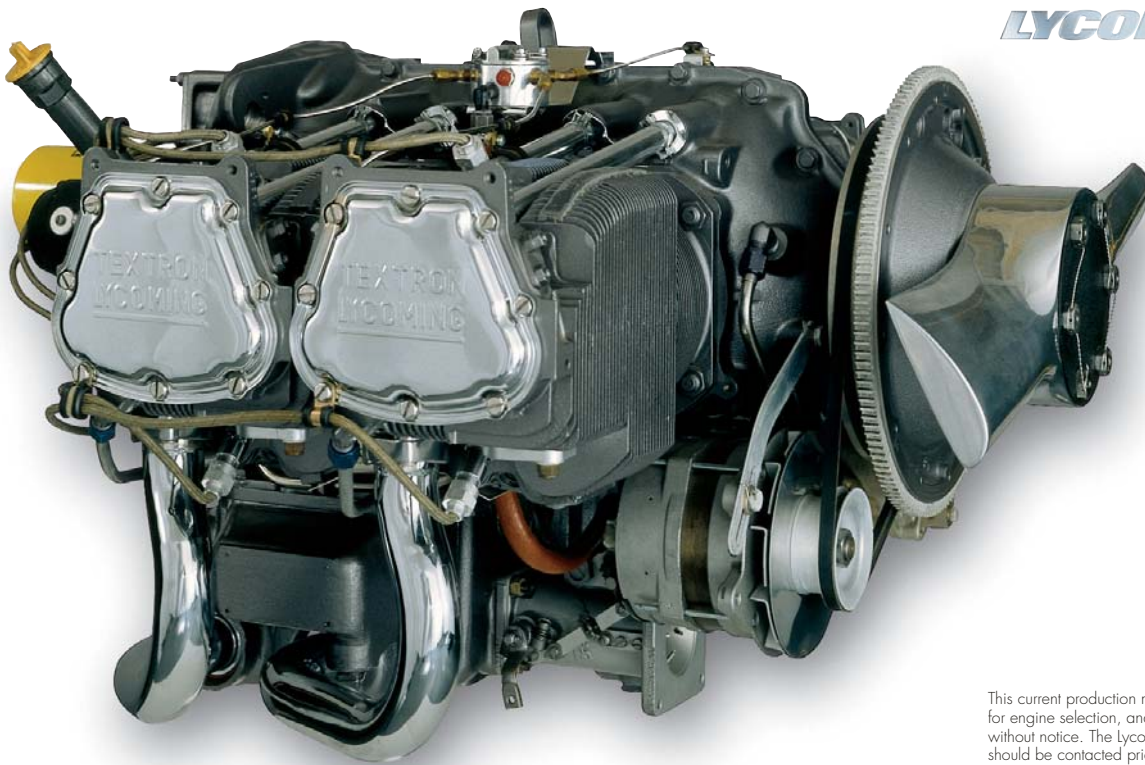
FORGED-STEEL  
CONNECTING RODS

OPTIONAL CHROME KIT

NITRIDE-HARDENED STEEL  
ALLOY CYLINDER BARRELS

#### AVAILABLE OPTIONS:

- Lightweight starters
- Spin-on or remote oil filter
- Air conditioning provisions
- Factory chrome kits:
  - Triple-plated rocker-box covers, intake pipes and shroud tubes
- Optional magnetos
- Fixed-pitch or constant-speed propeller applications



This current production model data is provided for engine selection, and is subject to change without notice. The Lycoming Sales Department should be contacted prior to starting detailed installation layouts. Engine weights may vary according to specific engine model configuration.

**360 CUBIC INCH ENGINE SERIES**

MODEL	COMPRESSION RATIO	HP	RPM	TBO	HEIGHT (IN)	WIDTH (IN)	LENGTH (IN)	DRY WT (LBS)	REMARKS
O-360-A	8.50:1	180	2,700	2,000	19.22-24.59	33.37	29.05-31.82	285-301	Dynafoval Mounts
O-360-B	7.20:1	168	2,700	2,000	24.59	33.37	29.56-29.81	280-281	Dynafoval Mounts
O-360-C	8.50:1	180	2,700	2,000	19.68-24.59	33.37	29.05-30.67	285-290	Dynafoval Mounts
O-360-D	7.20:1	168	2,700	2,000	24.59	33.37	29.56-29.81	280-281	Conical Rubber Mounts
O-360-E	9.00:1	180	2,700	2,000	21.08	33.81	32.26	300	Dynafoval Mounts
O-360-F	8.50:1	180	2,700	2,000	19.96	33.37	31.83	301	Dynafoval Mounts
O-360-J	8.50:1	145	2,400-2,700	*	22.99	32.24	29.81	289	Dynafoval Mounts
IO-360-A	8.70:1	200	2,700	2,000	19.35	34.25	29.81-31.33	324-335	Dynafoval Mounts
IO-360-B	8.50:1	180	2,700	*	20.70-24.84	33.37	29.81-32.81	290-308	Dynafoval Mounts
L/IO-360-C	8.70:1	200	2,700	2,000	19.48	34.25	29.81-33.65	319-329	Dynafoval Mounts
IO-360-F	8.50:1	180	2,700	2,000	20.70	33.37	32.09	303	Dynafoval Mounts
IO-360-J	8.70:1	200	2,700	2,000	19.35	34.25	31.33	323-330	Dynafoval Mounts
IO-360-L	8.50:1	160	2,400	2,000	24.84	33.37	29.81	278	Dynafoval Mounts
IO-360-M	8.50:1	180	2,700	2,000	20.26	33.38	32.75	300	Dynafoval Mounts
TIO-360-A	7.30:1	200	2,575	1,200	19.92-21.34	34.25	45.41	386-407	Dynafoval Mounts
TIO-360-C	7.30:1	210	2,575	*	21.65	19.09	35.82	379	Dynafoval Mounts

\*Depends on configuration.

**L1O-360**

**ENGINE LABELING LEGEND:** 1 2



**1 PREFIXES:**

- AE - Aerobatic (wet sump)
- H - Horizontal Helicopter
- I - Fuel Injected
- L - Left Hand Rotation Crankshaft
- O - Opposed Cylinders
- T - Turbocharged

**2 CYLINDER CUBIC INCH DISPLACEMENT:**

Number of Cylinders	Cubic Inch Displacement
4	235, 320, 360
6	540, 580
8	720

**ENGINE MOUNT CONFIGURATIONS:**

- Conical -**  
Straight mounts parallel to crankshaft.
- Dynafoval -**  
Mounts set at a specified angle to the crankshaft with Type 1 (30°) and Type 2 (18°).
- Bed -**  
Bed mounting available on select engine models.