

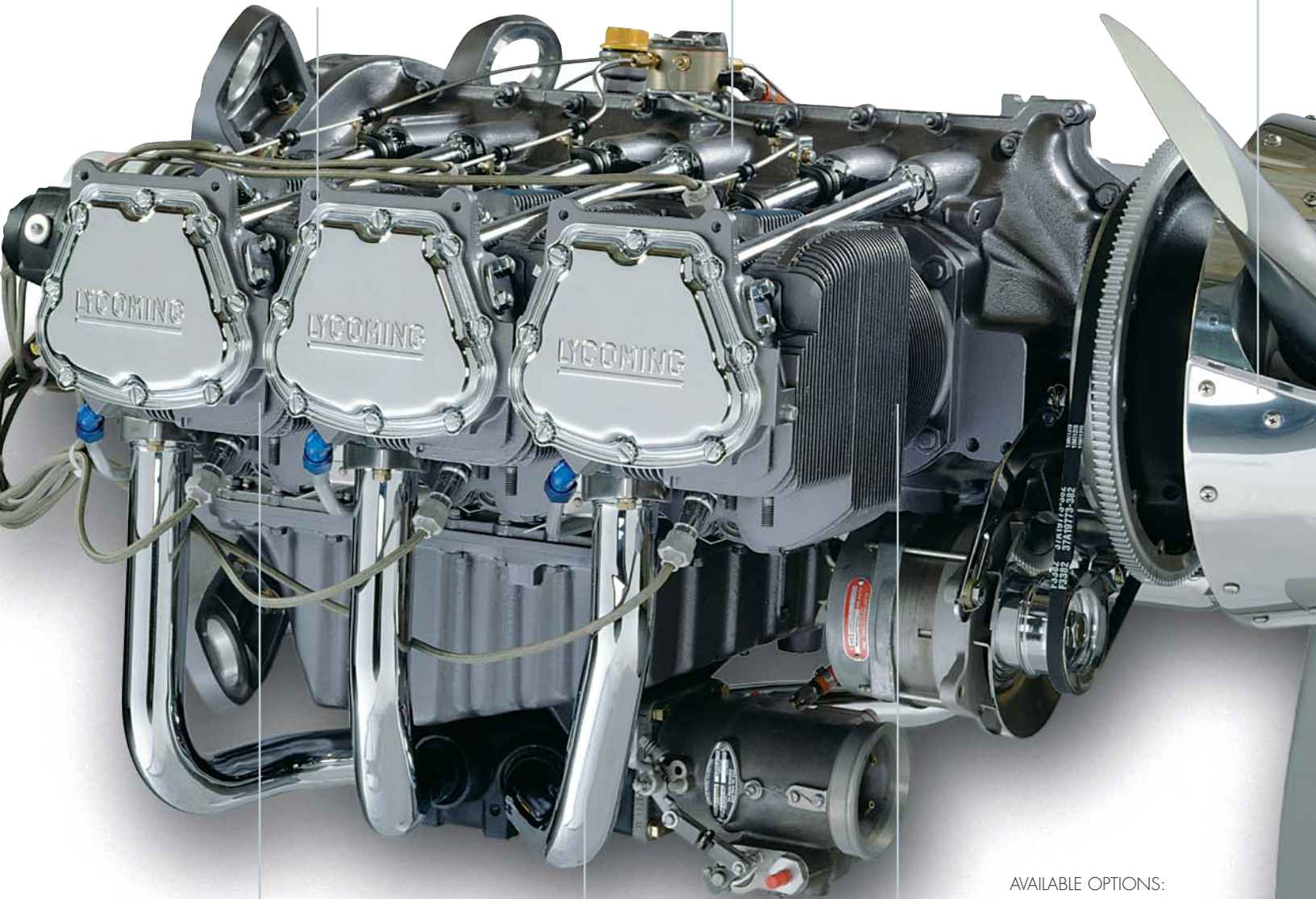
# LYCOMING

*The only aerobatic engines certified by the FAA.*

CHROMIUM-MODIFIED  
NI-RESIST 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
- Electronic ignition
- 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.

## AEROBATIC ENGINES

MODEL	COMPRESSION RATIO	HP	RPM	HEIGHT (IN)	WIDTH (IN)	LENGTH (IN)	DRY WT (LBS)
AEIO-320-D1B	8.50:1	160	2,700	23.18	32.24	30.70	271
AEIO-320-D2B	8.50:1	160	2,700	23.18	32.24	30.70	271
AEIO-320-E1A	7.00:1	150	2,700	23.18	32.24	29.56	262
AEIO-320-E1B	7.00:1	150	2,700	23.18	32.24	29.05	258
AEIO-320-E2A	7.00:1	150	2,700	23.18	32.24	29.56	262
AEIO-320-E2B	7.00:1	150	2,700	23.18	32.24	29.05	260
AEIO-360-A1A	8.70:1	200	2,700	19.35	34.25	29.81	298
AEIO-360-A1B	8.70:1	200	2,700	19.35	34.25	30.70	300
AEIO-360-A1B6	8.70:1	200	2,700	19.35	34.25	30.70	307
AEIO-360-A1C	8.70:1	200	2,700	19.35	34.25	29.30	299
AEIO-360-A1D	8.70:1	200	2,700	19.35	34.25	29.81	299
AEIO-360-A1E	8.70:1	200	2,700	19.35	34.25	29.81	301
AEIO-360-A1E6	8.70:1	200	2,700	19.35	34.25	29.81	308
AEIO-360-A2A	8.70:1	200	2,700	19.35	34.25	29.81	298
AEIO-360-A2B	8.70:1	200	2,700	19.35	34.25	30.70	300
AEIO-360-A2C	8.70:1	200	2,700	19.35	34.25	29.30	299
AEIO-360-B1B	8.50:1	180	2,700	24.84	33.37	29.81	273
AEIO-360-B1D	8.50:1	180	2,700	24.84	33.37	29.81	271
AEIO-360-B1F	8.50:1	180	2,700	24.84	33.37	30.70	275
AEIO-360-B1F6	8.50:1	180	2,700	24.84	33.37	30.70	282
AEIO-360-B1G6	8.50:1	180	2,700	24.84	33.37	29.05	277
AEIO-360-B2F	8.50:1	180	2,700	24.84	33.37	30.70	275
AEIO-360-B2F6	8.50:1	180	2,700	24.84	33.37	30.70	282
AEIO-360-B4A	8.50:1	180	2,700	24.84	33.37	29.56	281
AEIO-360-H1A	8.50:1	180	2,700	24.84	33.37	29.05	270
AEIO-540-D4A5	8.50:1	260	2,700	24.46	33.37	38.93	386
AEIO-540-D4B5	8.50:1	260	2,700	24.46	33.37	39.34	386
AEIO-540-D4C5	8.50:1	260	2,700	24.46	33.37	39.34	385
AEIO-540-L1B5	8.70:1	300	2,700	24.46	34.25	40.24	449
AEIO-580-L1B5	8.90:1	320	2,700	24.46	34.25	40.24D	449

### AEIO-580

#### 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.
- Dynafoal -**  
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.