

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

<p style="text-align: right;">1E1 Revision 4</p> <p style="text-align: center;">AVCO Lycoming V0-360-A1A -A1B, -B1A IVO-360-A1A</p> <p style="text-align: right;">June 15, 1966</p>

TYPE CERTIFICATE DATA SHEET NO. 1E1

Engines of models described herein conforming with this data sheet (which is a part of type certificate No. 1E1) and other approved data on file with the Federal Aviation Agency, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Civil Air Regulations provided they are installed, operated and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Manufacturer AVCO Lycoming Division
AVCO Corporation
Williamsport, Pennsylvania

Model	Lycoming	V0-360-A1A	V0-360-A1B, -B1A	IV0-360-A1A
Type	4H0A Vertical Mounted Direct Drive			
Rating				
Max. continuous, hp., r.p.m., full throttle at:				
Sea level pressure altitude	180-2900-S.L.	--	--	--
Takeoff (5 min.) hp., r.p.m., full throttle at:				
Sea level pressure altitude	180-2900-S.L.	--	--	--
Fuel (minimum grade aviation gasoline)	91/96	--	--	--
Lubricating oil	MIL-L-6082 or Lycoming Spec. No. 301-E	--	--	--
Bore and stroke, in.	5.125 x 4.375	--	--	--
Displacement, cu. in.	361	--	--	--
Compression ratio	8.5:1	--	--	--
Weight (dry), lb.	270	269		272
C.G. location (dry with starter and generator installed)				
From front fact of power takeoff flange, in.	14.24	--	--	--
Off crankshaft centerline, in.	1.62 below & .05 right	--	--	--
Propeller shaft	Flange type power takeoff	--	--	--
Crankshaft dampers and balancers	None	--	--	--
Carburetion	Marvel-Schebler MA-4-5	Marvel-Schebler MA-4 5AA	Fuel Injector Bendix RSA-5AD1	
Ignition, Dual	Two Scintilla S4LN-21	Scintilla S4LN-200, S4LN-204	--	

"- -" indicates "same as preceding model"

"—" indicates "does not apply"

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NOTE 4. This engine is approved for helicopter application and operation in a vertical installation.

NOTE 5. The above engine models incorporate additional characteristics as follows:

<u>V0-360 Models</u>	<u>Characteristics</u>
V0-360-A1A	Basic model. Scintilla S4LN magnetos.
V0-360-A1B	Same as -A1A except has altitude compensated carburetor and retard breaker magnetos.
V0-360-B1A	Same as -A1B except has piston cooling oil jets.
IV0-360-A1A	Similar to V0-360-B1A except has fuel injector.

NOTE 6. The following spark plugs are approved for the engine models indicated.

V0-360-A, -B Series and IVO-360-A1A

AC	SR88, HSR88, SR87, HSR87, SR83P, HSR83P, SR83IR
Autolite	SH20A, SH200A, SH26, SH260, PH26, PH260
BG	919SR-5, RB485S, RB955S
Champion	REM40E, RHM40E, REM38E, RHM38E, REM38P, RHM38P, RC-28S, REM39N, REM38W, RHM38W

NOTE 7. Starters, generators, and alternators approved for use on these engines are listed in the latest revision of AVCO Lycoming Service Instruction No. 1154.

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