



Certification basis:

<u>Regulations &amp; Amendments</u>	<u>Model</u>	<u>Date of Application</u>	<u>Data Type Certificate No. E11EA Issued</u>
CAR 13 effective June 15, 1956 as amended by 13-1, 13-2, 13-3	IVO-540-A1A	December 2, 1964	April 20, 1965

Production basis: Production Certificate No. 3.

NOTE 1. Maximum permissible temperatures:

Cylinder head (well type)	500°F
Cylinder base	See NOTE 7
Oil inlet	235°F

NOTE 2. Fuel pressure limits                    Minimum                    Maximum                    Idle (min.)  
(at inlet to injector)                    20 p.s.i.                    45 p.s.i.                    12 p.s.i.  
Oil pressure limits                    65 p.s.i.                    85 p.s.i.                    25 p.s.i.

NOTE 3. The following accessory provisions are available:

Accessory	Rotation Facing Drive Pad	Speed Ratio to Crankshaft	Maximum Torque (in. - lb.)		Maximum Overhand Moment (in.-lb.)
			Continuous	Static	
Starter	C	1.000:1	-	12,000	300
Generator *	C	2.600:1	500	2,200	400
Fuel Pump	CC	.803:1	25	450	25
Vacuum Pump	C	1.219:1	200	800	25
Hydraulic Pump	C	1.083:1	400	1,650	175
Tachometer	CC	.500:1	7	50	-

“C” - Clockwise, “CC” - counter-clockwise

\* Inoperative as generator drive when fitted with had crank jaw.

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

NOTE 5. Basic Model. Six cylinder air-cooled, horizontally apposed, vertical direct drive, fuel injected, dry sump engine with internal piston cooling oil jets and side mounted AN type accessory drives.

NOTE 6. Spark plugs: See latest revision of Lycoming Service Instruction No. 1042 for approved equipment.

NOTE 7. Cylinder base temperature limits are not applicable to engine models which incorporate internal piston cooling oil jets.

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