

Certification basis CAR 13, effective June 15, 1956 as amended by 13-1
Type Certificate No. 298 issued December 6, 1957; GO-300-B added May 9, 1958, GO-300-C added April 23, 1959, GO-300-D added June 1, 1960, GO-300-E added June 9, 1961, GO-300-F added December 5, 1963. Date of Application for Type Certificate August 22, 1957

Production basis Production Certificate Nos. 7 and 508.

NOTE 1. Maximum permissible temperatures

<u>Cylinder Head</u>	<u>Cylinder Barrel</u>	<u>Oil Inlet</u>
525°F	290°F	225°F
(Spark plug gasket-downdraft cooling)		

NOTE 2. Pressure limits for normal operation
Fuel inlet: min. 12 in. Fuel head, max. 6 p.s.i.
30 to 60 p.s.i.
min. idling 5 p.s.i. (with hot oil)

NOTE 3. The following accessory drive provisions are available

Accessory	Engine Models	Direction of Rotation*	Speed Ratio to Crankshaft	Max. Torque (in.-lb.)		Max. Overhang
				Cont.	Static	Moment (in. -lb.)
Tachometer	All	CC	0.5:1	15	100	100
**Propeller Governor	-B, -E	CC	0.8963:1	29	825	50
Generator	All	C	2.035:1	60	600	100
***Starter	-A, -B, -C, -F	C	35.777:1			
****Starter	-D, -E	CC	24.727:1			
Vacuum pump	-A, -B, -C, -F	C	0.8947:1	40	825	25
Vacuum pump	-D, -E	C	1.545:1	100	800	25
Optional	-D, -E	C	0.895:1	40	825	25

*C - Clockwise viewing drive pad; CC - Counterclockwise

** Modified AND 20010 pad

*** Delco-Remy gear reduction drive and starter (CMC P/N 626292) eligible

**** Delco-Remy starter (CMC P/N 627842 with CMC adapter P/N 628157) eligible

NOTE 4. Six 3rd order dampers are provided on crankshaft. Engine S/N 6134, 6136, 6142, 6143, 6146 and up incorporate heavy type counterweights with an increase of 2 lb. in engine dry weight.

NOTE 5. GO-300-B is identical to GO-300-A except incorporates provisions for hydraulic propeller control.
GO-300-C is identical to GO-300-A except height of oil filler neck and breather tube assembly has been reduced.
GO-300-D is identical to GO-300-C except for provisions for CMI/TCM/CMC right angle automatic engagement starter drive which incorporates a vacuum pump drive.
GO-300-E is identical to GO-300-D except incorporates provisions for hydraulic propeller control.
GO-300-F is identical to GO-300-A except incorporates provisions for pusher operation and propeller reversing.

NOTE 6. GO-300-A engines, S/N 5276-B-A, 5277-8-A, 5776-8-A, 6314-0-A, 6316-3-A, 6317-3-A, 6318-3-A are identical to the Model GO-300-F. Existing nameplates may be replaced with nameplates bearing this designation.

NOTE 7. The following spark plugs and/or those listed in CMI Service Information Letter SIL03-2 are approved on this engine:

AC	HSR83P, SR83P, HSR87, SR87
BG	RB485S, RB919SR5, RB955S
Champion	RC26S, REM38E, REM38P, RHM38E, RHM38P, RED39N, REM39N, RHD39M, RHM39N, REM40E, RHM40E
Red Seal	632507, 632508, 632511, 632512, 632513, 632514
Auto Lite	627892, 632461, 632462, 632463, 635146, 635147

NOTE 8. Engine model numbers may include a suffix to define minor specification changes and/or accessory packages.
Example: GO-300-A(10).

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