

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

E-241
Revision 5
CONTINENTAL
A100-1
A100-2

November 1, 1973

TYPE CERTIFICATE DATA SHEET NO. E-241

Engines of models described herein conforming with this data sheet (which is part of type certificate No. E-241) and other approved data on file with the Federal Aviation Administration meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Federal Aviation Regulations provided they are installed, operated and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder Teledyne Continental Motors
P.O. Box 90
Mobile, Alabama 36601

Model	A-100-1	A-100-2
Type	6H0A	--
Rating, ICAO or ARDC standard atmosphere		
Max. continuous hp., r.p.m., in. Hg at sea level pressure altitude	100-2350	--
Takeoff hp. (5 min.) r.p.m., full throttle at sea level pressure altitude	100-2350	--
Fuel (min. grade aviation gasoline)	73	--
Bore and stroke, in.	3.875 x 3.625	--
Displacement, cu. in.	256	--
Compression ratio	6.3:1	
Weight (dry), lb.	249	250
C.G. location (with starter & generator)		
From rear mounting bushing centerline, in.	6.1	--
Below propeller shaft, in.	1.6	--
Propeller shaft, SAE No.	10	No. 3 flanged
Carburetion	Stromberg NA-S03A1 for gravity systems, Eq. No. 50335 for pump systems Eq. No. 36020	
Ignition, dual magnetos	Bendix-Scintilla SF6LN-8	
Timing, °BTC	Right 28, Left 30	
Spark plugs	See NOTE 3	
Oil sump capacity, qt.	8	--
NOTES	1,2,3	1,2,3
"- -" indicates "same as preceding model."		

Certification basis CAR 13 effective August 1, 1941
Type Certificate No. 241 issued October 11, 1945 for Model A-100-1; Model A-100-2 added October 9, 1946.

Production basis Production Certificate No. 7

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NOTE 1. Maximum permissible temperatures:
Cylinder head bayonet thermocouple 550°F.
Cylinder barrel 350°F.
Oil inlet 220°F.

NOTE 2. The following typical engine accessories are eligible at weight increases indicated:

<u>Starter</u>	<u>Weight (lb.)</u>
Delco-Remy (No. 1109656) P/N 50309	16
<u>Generator</u>	
Delco-Remy (No. 1101876) P/N 40435	10
<u>Fuel Pump</u>	
AC Diaphragm, P/N 40585 or 4552	2

NOTE 3. The following spark plugs are approved for use on these engines:

Champion C-26-S, C-27, C-27-S, D41N, EM41N, M41N, M42E, EM42E

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