DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

E-241 Revision 6 CONTINENTAL A100-1 A100-2

November 2, 2011

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 Civil Air Regulations provided they are installed, operated and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder

Continental Motors

P.O. Box 90

Mobile, Alabama 36601

Type Certificate Holder Record

Teledyne Continental Motors

Ownership & name change as of April 19, 2011 (Continental Motors, Inc.)

Model	A-100-1	A-100-2
Туре	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	CMI/TCM/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 massading model"		

"--" 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:

 Starter
 Weight (lb.)

 Delco-Remy (No. 1109656) P/N 50309
 16

 Generator

 Delco-Remy (No. 1101876) P/N 40435
 10

 Fuel Pump
 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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