FEDERAL AVIATION AGENCY

E-213 Revision 10 CONTINENTAL A75-3 A75-6, -6J A75-8, -8F A75-8J, -8FJ A75-9, -9J

TYPE CERTIFICATE DATA SHEET NO. E-213

Engines of models described herein conforming with this data sheet (which is part of type certificate No. 213) 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 specifications 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 A75	A75.2 6	A75 9 0
	A75-3, -6	A75-8, -9
Type	4HOA	
Rating, standard atmosphere		
Max. continuous hp., r.p.m., sea level pressure altitude	75-2650	75-2600
Takeoff hp. (5 min.) r.p.m., full throttle at sea level pressure altitude	75-2650	75-2600
Fuel, aviation gasoline (min. grade)	73	
Lubricating oil:		
Ambient Air Temperature, °F.	Oil grade	
Below 40	SAE 20	
Above 40	SAE 40	
Bore and stroke, in.	3.875 x 3.625	
Displacement, cu. in.	171	
Compression ratio	6.3:1	
Weight (dry), lb.	170, 173	
Propeller shaft, SAE No. (Taper)	0	
Carburetion	Stromberg NA-S3A1 with 1-1/4 in. venturi or	
	Marvel MA3-PA with 1-7/32 in. venturi	
Ignition, dual	Scintilla SF4R, SF4RN-8; Case 47, 4 CAME;	
	Eisemann AM-4 or LA-4 magnetos or	
	CMI/TCM S4RSC-21 or S4RSC-204	
Spark plugs	See NOTE 6	
Ignition timing, °BTC	Right 29, Left 32	
Oil sump and capacity (qt.)	Wet - 4-1/2	
Exhaust port	Up	Down
NOTES	1,2,3,4,5,6	1,2,3,4,6

Certification basis Type Certificate No. 213

Production basis Production Certificate No. 7

"--" indicates "same as preceding model."

"—" indicates "does not apply."

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NOTE 1. Maximum permissible temperatures:

Spark plug gasket thermocouple 550°F.
Contact type thermocouple 350°F.
Oil inlet 220°F.
Oil pressure limits: 30 to 40 p.s.i.

NOTE 2. Those models listed in the heading of this data sheet, suffixed by the letters "F" and "J", differ from the basic model as follows:

"F" denotes an SAE No. 1 flanged crankshaft instead of "0" taper, at a weight increase of 1 lb.

"J" denotes the High Model A Fuel Injector in place of the carburetor at an increased weight of 3 lb.

- NOTE 3. Engine S/N's 606993 and up incorporate originally a modified crankcase for rubber conical shock mountings which necessitates using a modified engine mount. These engines weight 3 lb. additional.
- NOTE 4. The following accessory provisions and typical accessories are eligible at the increased weights shown:

Starter (Models -6, -6J, -9, -9J only)	Weight (lb.)
Eclipse, Type 635, Electric	16
Eclipse, Type E-80, Electric	18
Hummer, Type X, Mechanical	14
Fuel Pump (provisions optional)	
AC Type CP 8527	4
AC Type 1523843 or 3843 (CMC No. 4552)	2
Miscellaneous	
Oil Filter, Fram PB-500 (CMC No. 40581)	3
Air Filter and Scoop (CMC No. A-5810 or A-40522)	3
,	-
Radio Shielding	3

NOTE 5. Approvals for Models A75-3, -6, and -6J expired November 7, 1941. No engines of these models manufactured after this date, or with S/N's above the following, are eligible for use in certificated aircraft:

<u>Model</u>	Serial No.
A75-3	631893
A75-6	624196
A75-6J	625796

NOTE 6. The following spark plugs and/or those listed in CMI Service Information Letter SIL03-2 are approved on this engine:

AC A88, HS88, S88, SR88, HSR88, S88D, SR88D

Auto-Lite 18A1, B4, B4S, BH4S, SH2K, SH2M, H15, SH15, SH15R, SH20, SH20A, SH200A

Red Seal SE190, SE230, SJ230

BG 4B2, 4B2S, 417, 417S, RB485-S, 706, 706R, 706S, 706SR, RB955S

EM42E, M42E, 62S

Safir B57

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