

FRANKLIN ENGINE COMPANY

MODELS: Aircooled Motors Franklin 4AC-150 Series 40, 50 and A

T.C. NUMBER: ATC 194

Models -

Franklin 4AC-150	Series 40	Series 50	Series A
Type	4HOA	----	----
Rating:			
Maximum continuous, hp, rpm, at S.L.			
press. alt.	40-1875-S.L.	50-2300-S.L.	60-2400-S.L.
Take-off, hp, rpm, full throttle	40-1875	50-2300	60-2400
Fuel (minimum octane aviation gasoline)	70	----	----
Bore and stroke, in.	3.625 x 3.625	----	----
Displacement, cu. in.	150	----	----
Compression ratio	6.6: 1	----	----
Weight (dry), lbs.	158 single, with Wico or Eisemann magneto; 151 single, with Bendix magneto	158 single, 166 dual with Wico or Eisemann magnetos; 161 single, 172 dual with Bendix magnetos	158 single, 166 dual with Eisemann magnetos 160 single, 172 dual with Bendix magnetos
Propeller shaft	Special with integral hub	----	----
Carburetion	Single, Bendix-Scintilla SF-4R-1, SF-4R-9, SF-4L-1, SF-4L-9, Wico A8-9B3, or Eisemann magnetos	Single and dual - Bendix-Scintilla SF- 4R-1, SF-4R-9, SF- 4L-1, SF-4L-9, Wico AP-958, or Eisemann magnetos	Single and dual, Bendix Scintilla SF-4R-1, SF- 4R-9, SF-4L-1, SF- 4L-9, or Eisemann magnetos
Ignition	Stromberg NA-S2 carburetor with 1-1/16 in. venturi	Stromberg NA-S2 carburetor with 1-1/8 in. venturi or Marvel MA-3-F carburetor with 1-9/64 in. main venturi and 11/16 in. primary venturi	Stromberg NA-S3 carburetor with 1-1/4 in. venturi or Marvel MA-3-F carburetor with 1-7/32 in. main venturi and 11/16 in. primary venturi
Ignition timing, deg. BTC	Single 30	Single 30, Dual 25 and 26	Single 30, Dual 24 and 26
Spark plugs	Champion AJ-66, C- 108, Simmonds Benton 4DS-8	----	----
Certification basis	Approved Type Certificate No. 194 (Expired 7/11/41)		----

NOTE 1. Maximum permissible cylinder head, cylinder barrel, and oil inlet temperature, 500 degrees F., 300 degrees F., and 220 degrees F., respectively.

NOTE 2. All models eligible incorporating Fram Type P-1/2 oil filter.