

MCDELS: Fairchild (Ranger) V-770-SG

T.C. NUMBER: ATC 84

Model	V-770-SG
Type	12VIA-3:2 reduction gearing
Rating:	
Maximum continuous, hp, rpm, at S.L. pressure altitude	420-2800-S.L.
Take-off (one minute), hp, rpm, at full throttle	420-2800
Fuel (minimum octane aviation gasoline)	85
Bore and stroke, in.	4.000 x 5.125
Displacement, cu. in.	772.8
Compression ratio	6:1
Weight (dry), lbs.	625
Propeller shaft, SAE No.	30
Supercharging (impeller gear ratio)	7.71:1
Carburetion	Stromberg NAR-9 carburetor with 2-3/4 in. venturi
Ignition, dual	Scintilla SC-2 magnetos
Certification basis	Approved Type Certificate No. 84

NOTE 1. Maximum permissible cylinder head, barrel and oil inlet temperatures, 500 degrees F., 280 degrees F., and 200 degrees F., respectively.

NOTE 2. Approval expired 4/6/40. No engines of this model manufactured after this date eligible for use in certificated aircraft.