

FAIRCHILD ENGINE DIVISION
FAIRCHILD ENGINE AND AIRPLANE CORPORATION

MODELS: Fairchild (Ranger) SGV-770-B5

T.C. NUMBER: ATC 185

Model	SGV-770-B5
Type	12VIA - 3: 2 reduction gearing
Rating:	
Maximum continuous, hp, rpm, in.Hg., at:	
Rated pressure altitude (ft.)	420-2800-38 ½-3000
S.L. pressure altitude	410-2800-38 ½-S.L.
Take-off (one minute), hp, rpm, in.Hg.	450-2900-41
Fuel (minimum octane aviation gasoline)	87
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)	8.84: 1
Carburetion	Stromberg NAR-9A carburetor with 2/3 in. venturi
Ignition, dual	Scintilla DF (double) magneto
Certification basis	Approved Type Certificate No. 185

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.