

MODELS: Pratt & Whitney Hornet S2E-G

T.C. NUMBER: ATC 144

Model - Hornet	S2E-G
Type - 9RA	3:2 reduction gearing
Rating:	
Maximum continuous, hp, rpm, in.Hg., at:	
Rated pressure altitude (ft.)	750-2250-33 1/2-2500
S.L. pressure altitude	735-2250-33 1/2-s.L.
Take-off (one minute), hp, rpm, in.Hg.	800-2300-36
Fuel (minimum octane aviation gasoline)	87
Bore and stroke, in.	6.125 x 6.375
Displacement, cu. in.	1690
Compression ratio	6:1
Weight (dry), lbs.	1068
Propeller shaft, SAE No.	50
Supercharging (impeller gear ratio)	10:1
Carburetion	Stromberg NA-Y9B or NA-Y9H carburetor with 2-3/4 in. venturi
Ignition, dual	Scintilla SP9R magnetos
Certification basis	Approved Type Certificate No. 144

NOTE 1. Eligible with automatic power and mixture control. Stromberg NA-Y9C carburetor is used with this control.

NOTE 2. The above rating applies to engine serial numbers 2673, 2685 to 2688, and 2710 or above. The following rating applies to all other engines of this model which have an early type impeller:

Maximum continuous, hp, rpm, in.Hg., at:	
Rated pressure altitude (ft.)	750-2250-35-2500
Take-off (one minute), hp, rpm, in.Hg.	800-2300-37

NOTE 3. Approval expired 4/25/39. No engines of this model manufactured after this date or with serial numbers above 3038 eligible for use in certificated aircraft.