

MODELS: Wright Whirlwind R-975E-1

T.C. NUMBER: T.C. 87

Model - Whirlwind	R-975E-1
Type - 9RA	Direct drive
Rating:	
Maximum continuous, hp, rpm, at S.L. pressure altitude	365-2100-S.L.
Take-off (one minute), hp, rpm, at full throttle	365-2100
Fuel (minimum octane aviation gasoline)	73
Bore and stroke, in.	5.0 x 5.5
Displacement, cu. in.	972
Compression ratio	6.4:1
Weight (dry), lbs.	660 includes carburetor air heater and cleaner and cylinder barrel and head baffles
Propeller shaft, SAE No.	30
Supercharging (impeller gear ratio)	7.8:1
Carburetor	Stromberg NA-R9 or NA-R9A carburetor with 2-7/16 in. venturi
Ignition, dual	Scintilla VAG-9D, VAG-9DF or SF-9R magnetos
Certification basis	Type Certificate No. 87
Production basis	None. The manufacturer does not hold a production certificate for the production of engines under this type certificate and, therefore, each engine so produced is subject to a detailed inspection for workmanship and conformity with the approved data by a Civil Aeronautics Administration Agent. In addition, the engine must have a satisfactory run-in including 5 hours at rated power and speed. Upon satisfactory completion of the above, the agent will tag the engine with Tag Form ACA 186.

NOTE 1. Maximum permissible cylinder head, barrel and oil inlet temperatures 500 degrees F., 325 degrees F., and 200 degrees F., respectively.