

MODELS: Wright Whirlwind R-975E-3

T.C. NUMBER: T.C. 425

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| Model - Whirlwind | R-975E-3 |
| Type | 9RA |
| Rating: | |
| Maximum continuous, hp, rpm, in.Hg., at: | |
| Rated pressure altitude (ft.) | 420-2200-34.5-1400 |
| S.L. pressure altitude (ft.) | 420-2200-34.8-S.L. |
| Take-off (one minute), hp, rpm, in.Hg. | 450-2250-36.5 |
| Fuel (minimum octane aviation gasoline - CFR Motor Method fuel) | 80 |
| Bore and stroke, in. | 5.0 x 5.5 |
| Displacement, cu. in. | 972 |
| Compression ratio | 6.3:1 |
| Weight (dry), lbs. | 675 (See NOTE 2) |
| C.G. location (dry) | |
| Forward of mounting face, in. | 7.0 |
| Below propeller shaft, in. | 0.2 |
| Propeller shaft, SAE No. | 30 |
| Supercharger gear ratio | 10.15:1 |
| Carburetion | Stromberg NA-R9A carburetor with 2-5/8 in. venturi |
| Ignition, dual | Scintilla VAG-5LF or SF-9R magnetos |
| Ignition timing, degrees ETC | 25 |
| Certification basis | Type Certificate No. 125 |
| 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.

NOTE 2. Engine number 18165 eligible with "F" type cylinder heads, P/N 64408 with weight increase of 35 lbs.