

Warner Engine Company
Engine Specifications

<i>Model Number</i>	<i>Displacement</i>	<i>Horsepower/ RPM</i>	<i>Weight</i>	<i>Bore x Stroke</i>	<i>Compression</i>	<i>Years built/ no. of engines</i>
<i>28, 29, 30, 40, 50 (See note 1) T.C. #2</i>	<i>422/7</i>	<i>125/2050</i>	<i>292</i>	<i>4.25 x 4.25</i>	<i>5.15:1</i>	<i>1928-1944/848</i>
<i>Scarab Jr. 40, 50 T.C. #54</i>	<i>301/5</i>	<i>90/2050</i>	<i>237</i>	<i>4.25 x 4.25</i>	<i>5.20:1</i>	<i>1930-1939/93</i>
<i>Super Scarab 40, 50, 50A (See note 4) T.C. #104</i>	<i>500/7</i>	<i>145/2050</i>	<i>306</i>	<i>4.625 x 4.25</i>	<i>5.20:1</i>	<i>1932-1945/971</i>
<i>Super Scarab 165A, 165B, 165D (See note 3) T.C.#214</i>	<i>500/7</i>	<i>165/2100 175/2250 (5 minutes)</i>	<i>341</i>	<i>4.625 x 4.25</i>	<i>6.40:1</i>	<i>1939-1945/1,475</i>
<i>Super Scarab 185, 185J, 185K (See note 5) T.C.#235</i>	<i>550/7</i>	<i>185/2175 200/2475 (5 minutes)</i>	<i>344</i>	<i>4.875 x 4.25</i>	<i>6.20:1</i>	<i>1942-1944/185</i>
						Total: 3,572

1. Some engines were limited to 110 HP (1,850 RPM).
2. On all engines, maximum temperatures: cylinder head 525 F, cylinder barrel 300 F, and oil 200 F.
3. Military designation R-500-7
4. SS50 is a short nose crankcase, SS50A is a long nose crankcase.
5. R550-1 and R550-3 are military versions of Super Scarab 185.