

WATERMAN ARROWPLANE CORPORATION

MODELS: Waterman Arrowplane Studebaker-Waterman S-1

T.C. NUMBER: ATC 178

Model	Studebaker-Waterman S-1
Type	6IW
Rating:	
Maximum continuous, hp, rpm, at S.L. pressure altitude	90-3500-S.L.
Take-off (one minute), hp, rpm, at full throttle	90-3500
Fuel (minimum octane aviation gasoline)	70
Bore and stroke, in.	3.250 x 4.375
Displacement, cu. in.	217
Compression ratio	7:1
Weight (dry), lbs.	579
Crankshaft gearing	2:1 (belt drive)
Propeller shaft, SAE No.	1 Taper
Carburetion	3 Stromberg AK-3 carburetors with 1-1/8 in. venturi
Ignition, single	Auto-Lite IG4004 battery
Certification basis	Approved Type Certificate No. 178

NOTE 1. Approval expired 8/7/41. No engines of this model manufactured after this date or with serial numbers above 5 eligible for use in certificated aircraft.