

CHAMPION AIRCRAFT CORPORATION
Osceola, Wisconsin

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TO: All Distributors, Dealers, & Owners

SUBJECT: Cruising R.P.M. for Model 7CCM and S7CCM Airplanes.

To assist pilots in selecting the desired R.P.M. to cruise Model 7CCM and S7CCM airplanes, the following chart is presented as a guide.

NOTE: Manufacturing tolerances must be allowed on each tachometer and propeller combination, therefore, propellers of the same pitch may have different R.P.M. values, making necessary a separate determination of proper cruising R.P.M. for each individual airplane.

Static R.P.M. is considered the easiest method of allowing for the variation in propellers and tachometers and for this reason is used as the base figure in the chart below. (Determine maximum static R.P.M. when engine oil temperature is within normal operating range, carburetor heat "off" and with airplane standing in a direct cross wind.)

1. Model 7CCM landplanes using any McCauley propeller in the model group CM7341 thru CM7347, or any Sensenich propeller in the model group 72GK46 thru 72GK52.

TO CRUISE AT:

TURN PROPELLER:

65% Rated Power	Max. Static R.P.M. - 90 R.P.M.
70% Rated Power	Max. Static R.P.M. - 20 R.P.M.
75% Rated Power*	Max. Static R.P.M. + 30 R.P.M.
80% Rated Power	Max. Static R.P.M. + 80 R.P.M.
85% Rated Power	Max. Static R.P.M. +130 R.P.M.
90% Rated Power	Max. Static R.P.M. +180 R.P.M.

2. Model S7CCM seaplanes using any McCauley propeller in the model group CM7341 thru CM7347, or, Sensenich propeller in the model group 72GK46 thru 72GK52.

TO CRUISE AT:

TURN PROPELLER:

70% Rated Power	Max. Static R.P.M. - 60 R.P.M.
75% Rated Power*	Max. Static R.P.M. - 20 R.P.M.
80% Rated Power	Max. Static R.P.M. + 20 R.P.M.
85% Rated Power	Max. Static R.P.M. + 70 R.P.M.
90% Rated Power	Max. Static R.P.M. +120 R.P.M.

*Recommended Cruising Power