



QUESTIONNAIRE

for the calculation of propellerdesign

(-> please mark or fill in)

1. Airplane **Motorglider** **Hovercraft** **Other**

Name & Address:

Type / Name : _____
 Max. T.O. Weight : _____
 Wing Area : _____

2. Engine:

Date: _____

Type (Full Designation) : _____
 Take-off power : _____ hp @ _____ rpm
 Max. continous power : _____ hp @ _____ rpm
 No. of cylinders : _____
 Configuration : _____
 Gear ratio (if applicable) : _____
 RPM restrictions : _____

3. Performance: flown calculated

Max. horizontal speed (level flight, max. continous power)
 at Sea Level : _____ kts @ _____ rpm
 at _____ ft : _____ kts @ _____ rpm
 Best rate of climb (at S.L.) : _____ ft/min. @ _____ kts
 Vne : _____ kts

4. Already tested propeller:

Type : _____
 Diameter / (Pitch) : _____ / _____
 Static RPM at full throttle : _____

5. Desired propeller:

6. Spinner design:

Fixed pitch Ground adjustable Variable pitch C.S.
 If variable pitch : Electric Hydraulic
 Principally designed for : Climb Cruise
 Allround Aerobatics
 Enhanced Features : Feathering Reverse
 Configuration : Tractor Pusher
 Rotation (view in flight direction): Lefthand Righthand
 Max. permissible diameter : _____
 Number of blades : _____
 Engine flange type : _____ bolt size: _____
 De-Ice boots required : Yes No
 System Voltage : _____ Volt

Spinner Diameter: _____ inch
 Distance to Flange: _____ inch
 Trim Angle : _____ °
 Nose Form: pointed round

Rem.: We cannot be blamed for any defects in the design, which were caused by the supply of faulty data!