



QUESTIONNAIRE

for the calculation of propellerdesign

(-> please mark or fill in)

1. Airplane ☐ Motorglider ☐ Hovercraft ☐ Other ☐

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

Name & Address:

2. Engine:

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

Date: _____

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:

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

6. Spinner design:

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!