

INPUTS:
Required Speed
Coefficient of Drag
Density of Air
Volume of Airship
Mass Limit for Motor and Propeller
Power Limit of the motor
Motor Propeller Data

Remove Motor Propeller Data
based on mass and power limit

Get unique pitch and diameter
combinations in the data

Find the required RPM of the
propellers to reach the required
speed

Required
RPMs

Compare the required RPMs to
the experimental data

Possible Motor and
Propeller combinations

Are there any
possible motors

NO

Reduce the
required speed

YES

Select the motor with the lowest
power required

OUTPUTS:
Motor Volts
Power
Weight
KV
Propeller Size
Propeller Weight

Required
Speed