Disk Loading Computation: m = 0.49 = .0004 kg  $Q = 9.81 m/3^2$   $\Delta = .0004 kg$   $\Delta = .0004 \cdot 9.81 = .0004 kg$ 17 . . = Dynamic Pressure 1/2 p V2, V= ~ V3+ VT' Va= 09 m/5 VT= W.b -> W. bog 0? = 80RPS · . 06112M =489 m/s; 0 is small => cos 0~1 Average Velocity: (Vip+ VRoot). 1/2 = 2.448 M/s V = ~ .092+, 24482 = 2.449 M/s Paymic = 1/2. (1.225 kg/m3). (2.449 m/s) = 3.674 kg.m

