Piston Engine & Propeller

Power broducing device Piston engine thrust producing Propeller divice. Histon _ Spark Plug. otto Cycle 1-2 i kut ropic Comp 2-3 Contout Vol heet addition Enpennion (i gentrapic) 3-4 4-1 Contant vol. heat Vyictors

Misb

- 10110 PC WILCOMS I power stroke for 2 revolutions 2 - Streke mechanism 1 Power Avoke for 1 revolution of Ground Meff. Power developed by the engine. P= m Q n (25% - 35%)

Thormal efficiency

Calorific Value

(44 M3/19)

mair

fuel. P=KBair VC N) f. Qcal 1th. 60 mel air Sais - density of air Vc - Vol. of the lugire N - VPM of the lugire

+ 4 stroke 2 Hroke. ho popa Pi Mon Ergine Power > Probellor efficiency -> Va Velocity of Vehicle. engine Mui fic Thurst TSFC = mil/F

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