

We have Q = 1.5 kWh > 1 kWh = Wh law of thermodynamics states that energy The first can't be created or destroyed have a system that turns 1 kWh to 1.5 kWh NE and thus we have a perpetual metric mechan 0 6 0 0 \* (8) 0 The thermal efficiency of a power plant 0 is defined as 6 60 The efficiency will be higher, for a plant 6 0 higher alue for Ty Because of that, the plan with T=7000, will 6 have better efficiency 6 (m) 29) T = 22,1°C = 295,1 K; TH = 43.5°C = 316.5 K; What = 14,5 LW 0 0 6 Coefficient of performance of reversible ratingfrater Ch 0 GGP = 316,5 k = 13,79 0 295.1K D Non ne have 6 U = WAR COPK = 17.5 LW - 13,79 = 19996 kW 6 M