The velocity of air at throat prenturi is given by,

$$V_q = C_{ov} \sqrt{2C\rho T_1} \left[J - \left(\frac{\rho_2}{P_3} \right)^{\frac{\nu-1}{\nu}} \right]$$

$$Q \rho \cos \frac{2\rho_2 \sigma_2 \sigma_3 \sigma_2 \sigma_3 \sigma_4}{\sigma_2 \sigma_4}$$

$$Q \rho \cos \frac{2\rho_2 \sigma_3 \sigma_4 \sigma_5}{\sigma_2 \sigma_4}$$

$$Q \rho \cos \frac{2\rho_2 \sigma_3 \sigma_5 \sigma_5}{\sigma_2 \sigma_4}$$

$$Q \rho \cos \frac{2\rho_2 \sigma_4 \sigma_5 \sigma_5}{\sigma_2 \sigma_4}$$

$$Q \rho \cos \frac{2\rho_2 \sigma_4 \sigma_5 \sigma_5}{\sigma_2 \sigma_4}$$

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$$Q \rho \cos \frac{2\rho_2 \sigma_5}{\sigma_4 \sigma_5}$$

$$Q \rho \cos \frac{2\rho_2 \sigma_5}{\sigma_5 \sigma_5}$$

$$Q \rho \cos \frac{2\rho_5 \sigma_5}{\sigma_5 \sigma_5}$$

$$Q \rho \sigma \cos \frac{2\rho_5 \sigma_5}{\sigma_5 \sigma_5}$$

$$Q \rho \rho \cos \frac{2\rho_5 \sigma_5}{\sigma_5 \sigma_5}$$

$$Q \rho \rho \sigma \rho \sigma \rho$$

Heat supplied = $\frac{m_f \times cV}{(9s)}$ = 0.187 × 42600 = 7966.2 kJ/min (1001) 9.3(6) Heat carried away by = 32 x 7966.2 = 2549.184 kJ/min

Jackeded By waters (32%) Heat rejected in calorimeters = $\frac{580 \times 4.186 \times 36}{60}$. = 1456.72 KJ/min (18.28%) = 42 × 60 = 2520 FS/min (31.63.1.) Heat Equivalent to BP $\frac{m\dot{q}}{m\dot{f}} = \frac{18}{4}$ $= 18 \times m\dot{f} = 18 \times 0.187$ = 3.366 kg/min. mg = ma+mf = 3.366+0.187 = 3.553 kg/min Heat carried away = mg x Cpg x AT

by enhaunt ganzo = 3.553x 1.05x(98-20) = 290.9907 kJ/min. (3.65 /2) Unaccounted lossen = Heart - [9BP + 9j + 9c + 9g]
supplied - [9BP + 9j + 9c + 9g] = 1143.106 KJ/min. (14.34%)