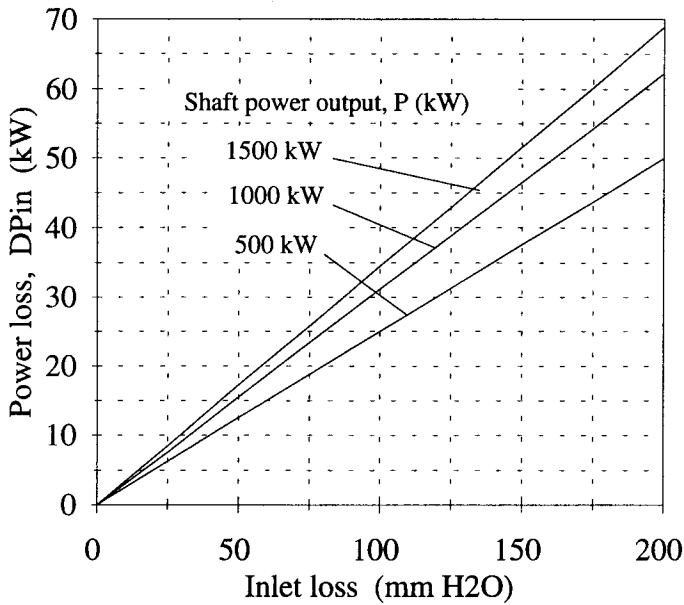


**Correction of performance parameters for actual site conditions**

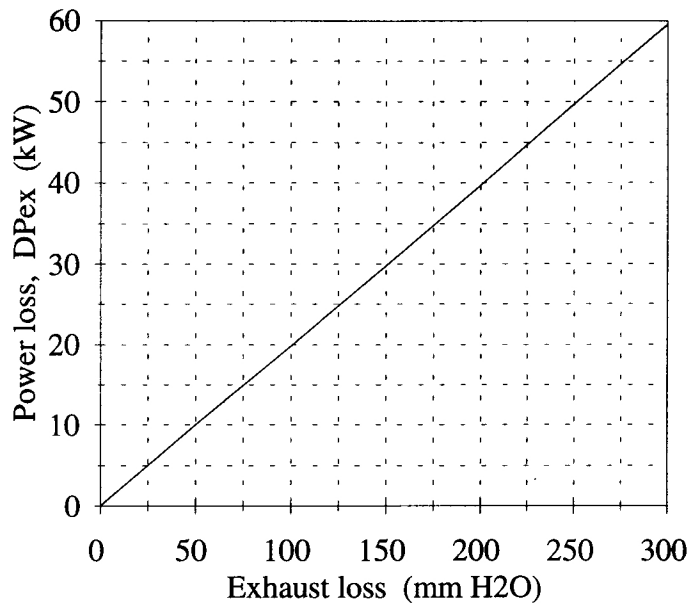
- 1) Net gear shaft power output =  $P \times \delta - DP_{in} - DP_{ex}$
- 2) Net generator power output = Net gear shaft power output  $\times \eta_{gen}$
- 3) Fuel consumption =  $Q_f \times \delta$
- 4) Exhaust mass flow rate =  $M_{ex} \times \delta$
- 5) Recoverable exhaust heat (referred to 160°C stack temperature) =  $Q_{ex} \times \delta$

NOTE: If  $T_{stack}$  is different from 160°C, then:

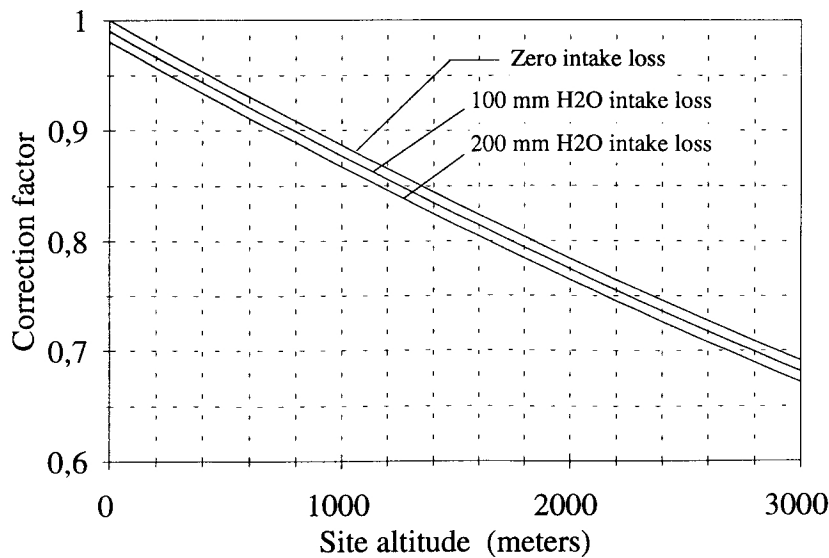
$$\text{Recoverable exhaust heat} = [Q_{ex} + (160 - T_{stack}) \times 1.048^{**} \times M_{ex}] \times \delta$$



**Figure 4: Correction for intake duct losses**



**Figure 5: Correction for exhaust duct losses**



The correction factor is denoted  $\delta$  in the equations.

**Figure 6: Correction for site altitude**

For information purposes only. Contractual data to be supplied for each specific site.