Typ. 500kVA Gen Efficiency vs Loading/PF

Legend:
- PF=100%
- PF=90%
- PF=80%
- PF=70% (Estimated)
- PF=60% (Estimated)

Losses reduction improving power factor from $PF_0 = 75$ % to a target power factor of $PF_{target} = 95$ %

$$\Delta Losses := Losses_0 - Losses_{target}$$

$\Delta Losses = 0.9$ %

Typ 500 kVA Genset Losses vs Pwr. Factor

Legend:
- Loading at 100% Gen Rated Capacity
- Loading at 75% Gen Rated Capacity
- Loading at 50% Gen Rated Capacity
- Loading at 25% Gen Rated Capacity