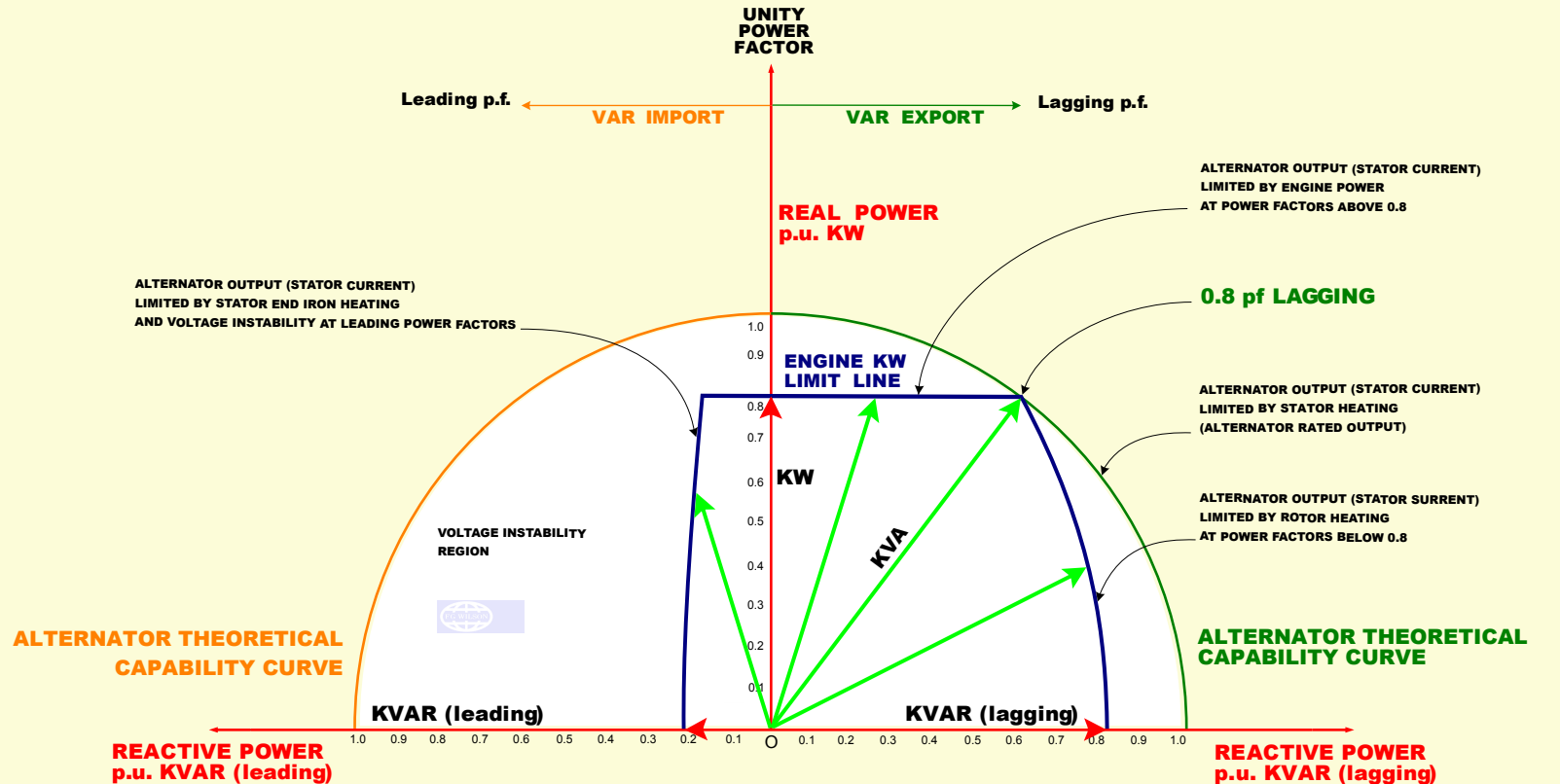


# GENERATOR SET CAPABILITY CURVE



LEADING POWER FACTOR RESULTS IN THE ALTERNATOR BEING UNDER-EXCITED - LOW ROTOR (FIELD) CURRENT

LOW ROTOR (FIELD) CURRENT LEADS TO STATOR END IRON HEATING

**GENERATOR SET  
OPERATING RANGE SHOWN  
BOUNDED BY THE BLUE LINE**

LOW POWER FACTOR RESULTS IN THE ALTERNATOR BEING OVER-EXCITED - HIGH ROTOR (FIELD) CURRENT

HIGH ROTOR (FIELD) CURRENT LEADS TO HEATING IN THE ROTOR WINDINGS