

PSC No: 20 - Electricity
Rochester Gas and Electric Corporation
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GENERAL INFORMATION

14. DISTRIBUTED GENERATION INTERCONNECTION REQUIREMENTS (Cont'd)

For Synchronous Machines:

Submit copies of the Saturation Curve and the Vee Curve

() Salient () Non-Salient

Torque: _____ lb-ft Rated RPM: _____

Field Amperes: _____ at rated generator voltage and current
and _____ % PF over-excited

Type of Exciter: _____

Output Power of Exciter: _____

Type of Voltage Regulator: _____

Direct-axis Synchronous Reactance (X_d) _____ ohms

Direct-axis Transient Reactance (X'_d) _____ ohms

Direct-axis Sub-transient Reactance (X''_d) _____ ohms

For Induction Machines:

Rotor Resistance (R_r) _____ ohms Exciting Current _____ Amps

Rotor Reactance (X_r) _____ ohms Reactive Power Required:

Magnetizing Reactance (X_m) _____ ohms _____ VARs (No Load)

Stator Resistance (R_s) _____ ohms _____ VARs (Full Load)

Stator Reactance (X_s) _____ ohms

Short Circuit Reactance (X''_d) _____ ohms

Frame Size: _____ Design Letter: _____

Temp. Rise: _____ OC.

Phases:

() Single

() Three-Phase

For Inverters:

Manufacturer: _____ Model:

Type: _____ () Forced Commutated () Line Commutated

Rated Output: _____ Amps _____ Volts

Efficiency: _____ %

Signature:

CUSTOMER SIGNATURE

TITLE

DATE

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