

From Panel-HC to Xfmr-TC

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Circuit Electrical Characteristics

Phasing: Three Phase

Line-To-Line Voltage: 480 Volts

Line-To-Neutral Voltage: 277 Volts

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Circuit Characteristics

Conduit Material: Steel

Conduit Footage: 10'

Conductor Arrangement: Single Conductors

Conductor Material: Copper

Conductors per Phase: 1

Phase Conductor Size: #2/0

Neutral Conductor Size: #2/0

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Motor Contribution

Total Motor FLA: 26 Amps

Motor Contribution Factor: x4

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Available Short-Circuit Current

Phases at Beginning of Circuit: 29,204 Amps

Neutral at Beginning of Circuit: 18,619 Amps

Phases at End of Circuit: 26,616 Amps

Neutral at End of Circuit: 16,820 Amps

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Additional Information

(Approximations based on above 3-Phase L-L-L values)

Available Short-Circuit Current -

Phase-Phase (L-L): 23,156 Amps

Phase-Ground (L-G): 13,308 Amps

Phase-Neutral (L-N): 13,308 Amps

Arcing Fault Values for Sustained Arcs -

3-Phase (L-L-L) Arcing Fault: 23,688 Amps

Phase-Phase (L-L) Arcing Fault: 19,696 Amps

Phase-Ground (L-G) Arcing Fault: 10,114 Amps

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