

Panel-HC to Radiant Heater 1

Circuit Electrical Characteristics

Phasing: Three Phase
Line-To-Line Voltage: 480 Volts
Line-To-Neutral Voltage: 277 Volts

Circuit Characteristics

Conduit Material: Steel
Conduit Footage: 120'
Conductor Arrangement: Conductor Cable
Conductor Material: Copper
Conductors per Phase: 1
Phase Conductor Size: #10
Neutral Conductor Size: #10

Motor Contribution

Total Motor FLA: 0 Amps
Motor Contribution Factor: x4

Available Short-Circuit Current

Phases at Beginning of Circuit: 29,100 Amps
Neutral at Beginning of Circuit: 18,515 Amps
Phases at End of Circuit: 2,104 Amps
Neutral at End of Circuit: 1,222 Amps

Additional Information

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

Available Short-Circuit Current -
Phase-Phase (L-L): 1,830 Amps
Phase-Ground (L-G): 1,052 Amps
Phase-Neutral (L-N): 1,052 Amps

Arcing Fault Values for Sustained Arcs -
3-Phase (L-L-L) Arcing Fault: 1,872 Amps
Phase-Phase (L-L) Arcing Fault: 1,557 Amps
Phase-Ground (L-G) Arcing Fault: 799 Amps
