

From Panel LC to AHU-8

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#### Circuit Electrical Characteristics

Phasing: Three Phase  
Line-To-Line Voltage: 208 Volts  
Line-To-Neutral Voltage: 120 Volts

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#### Circuit Characteristics

Conduit Material: Steel  
Conduit Footage: 40'  
Conductor Arrangement: Single Conductors  
Conductor Material: Copper  
Conductors per Phase: 1  
Phase Conductor Size: #6  
Neutral Conductor Size: #6

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#### Motor Contribution

Total Motor FLA: 60 Amps  
Motor Contribution Factor: x4

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#### Available Short-Circuit Current

Phases at Beginning of Circuit: 12,197 Amps  
Neutral at Beginning of Circuit: 11,866 Amps  
Phases at End of Circuit: 4,765 Amps  
Neutral at End of Circuit: 3,326 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): 4,146 Amps  
Phase-Ground (L-G): 2,383 Amps  
Phase-Neutral (L-N): 2,383 Amps

Arcing Fault Values for Sustained Arcs -  
3-Phase (L-L-L) Arching Fault: 4,241 Amps  
Phase-Phase (L-L) Arching Fault: 3,526 Amps  
Phase-Ground (L-G) Arching Fault: 1,811 Amps

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