

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 3 (Item # 220816)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	2hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 250 DX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 92A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	70 feet
Sign Lighting	140 feet
Light Poles	90+80 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	2hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N7.5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 250 DX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 98A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	60 feet
Sign Lighting	160 feet
Light Pole	75+80 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 26.5 RLA, 183 LRA, Min Ckt Amps 35.2, Max Bkr 50A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	3hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2545K10-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 250 DX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 114A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	50 feet
Sign Lighting	180 feet
Light Pole	90+60 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 3 (Item # 220816)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 26.5 RLA, 183 LRA, Min Ckt Amps 35.2, Max Bkr 50A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	3hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 7100E15-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 250 DX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 114A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	80 feet
Sign Lighting	140 feet
Light Pole	75+60 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 26.5 RLA, 183 LRA, Min Ckt Amps 35.2, Max Bkr 50A
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	5hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 350 LX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 98A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	70 feet
Sign Lighting	160 feet
Light Pole	110+60 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 3 (Item # 220816)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 26.5 RLA, 183 LRA, Min Ckt Amps 35.2, Max Bkr 50A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3200VA, 200V, 1Φ (1600Wx2)
Mech. Room	Air Handler	5hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N7.5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 350 LX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 92A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	60 feet
Sign Lighting	180 feet
Light Pole	90+80 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3000VA, 200V, 1Φ (1500Wx2)
Mech. Room	Air Handler	2hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2545K10-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 350 LX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 92A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	50 feet
Sign Lighting	140 feet
Light Pole	75+80 feet

Location	Items	Ratings / Information
Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 2 (Item # 231045)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3000VA, 200V, 1Φ (1500Wx2)
Mech. Room	Air Handler	2hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 7100E15-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 350 LX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 98A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	80 feet
Sign Lighting	160 feet
Light Pole	90+60 feet

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Bathroom	Hand Dryer	1500VA, 120V, 1Φ
	Water Heater	Stiebel Eltron – Mini 2.5 (Item # 232098)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 3 (Item # 220816)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
	Light Poles	3000VA, 200V, 1Φ (1500Wx2)
Mech. Room	Air Handler	3hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Millermatic 350P – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 114A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	70 feet
Sign Lighting	180 feet
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Mech. Room	Air Handler	3hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2475N7.5-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Millermatic 350P – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 114A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	60 feet
Sign Lighting	140 feet
Light Pole	110+60 feet

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Bathroom	Hand Dryer	1500VA, 120V, 1Φ
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Mech. Room	Air Handler	5hp, 200V, 3Φ (Induction Motor)
Reception Area	Vending Machine	1400VA, 120V, 1Φ (Note – requires individual 20A circuit)
Warehouse	Air Compressor	Ingersol Rand – Model # 2545K10-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Millermatic 350P – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 98A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	50 feet
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	Plasma Cutter	208V, 1Φ, 92A

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Mech. Room	Air Handler	2hp, 200V, 3Φ (Induction Motor)
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	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 350 LX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 114A

Exterior Distances

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	Water Heater	Stiebel Eltron – Mini 2 (Item # 232098)
Break Room	Refrig/μ-wave/coffee	Use “typical” values.
	Water Heater	Stiebel Eltron – Mini 3 (Item # 231045)
Exterior	AC Compressor	Compressor – 208V, 3Φ, 21.1 RLA, 147 LRA, Min Ckt Amps 28.1, Max Bkr 40A Fan – 208V, 1Φ, ½hp, 2.4 FLA
	Sign Lighting	1500VA, 120V, 1Φ
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Mech. Room	Air Handler	5hp, 200V, 3Φ (Induction Motor)
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Warehouse	Air Compressor	Ingersol Rand – Model # 7100E15-V – 200V, 3Φ
	Copier	1200VA, 120V, 1Φ
	Welder	Miller Electric – Synchrowave 250 DX – 200V, 1Φ
	Plasma Cutter	208V, 1Φ, 98A

Exterior Distances

<u>Item</u>	<u>Required Circuit Conductor Lengths</u>
Service Transformer	80 feet
Sign Lighting	140 feet
Light Pole	110+60 feet