

CIRCUIT BREAKERS

General Application Guide

Please check with your provincial and local inspection authorities before undertaking any electrical work.

Application	# Poles	Amps	Wire
AIR CONDITIONERS			
120V – up to 11,000 BTU	1	15	14/2
240V – up to 23,000 BTU	2	20	12/3
240V – up to 35,000 BTU	2	30	10/3
DEDICATED CIRCUITS			
Microwave 120V	1	15	14/2
Refrigerator 120V	1	15	14/2
Dishwasher 120V	1	15	14/2
Freezer 120V	1	15	14/2
BRANCH CIRCUITS			
Bedroom circuit outlet, 120V	1	15 AFCI	14/2 BLUE
Branch circuit outlet, 120V	1	15	14/2
Bathroom outlet, 120V	1	15	14/2
“Split” outlet, 120V	2	15	14/3
20A Kitchen counter outlet, 120V	1	20	12/2
Outdoor outlet, 120V	1	15	14/2
CLOTHES DRYERS			
120/240V	2	30	10/3
240V ELECTRIC HEATERS			
up to 2880 watts	2	15	14/2 RED
up to 3840 watts	2	20	12/2 RED
up to 4800 watts	2	25	12/2 RED
up to 5760 watts	2	30	10/2 RED
ELECTRIC RANGES			
120/240V – up to 12kW	2	40	8/3
GARBAGE DISPOSALS			
120V – up to 1/2 HP	1	15	14/2
ELECTRIC HOT WATER HEATERS			
240V – 40 GALLON	2	20	12/2
240V – 60 GALLON	2	30	10/2
LIGHTING CIRCUITS (indoor or outdoor)			
120V	1	15	14/2
MOTORS (single phase)			
120V – up to ½ HP	1	15	14/3
240V – up to 1 HP	2	15	14/3
240V – up to 1½ HP	2	30	10/3
RANGE HOOD			
120V	1	15	14/2
SAUNAS & SPAS			
240V – up to 5 kW	2	30 GFCI	10/2
240V – up to 7 kW	2	40 GFCI	8/2
SUMP PUMP			
120V	1	15	14/2

