

# GE OEM Load Center Parts Program

## Q Line Circuit Breakers

### Standard Circuit Breakers

- UL Listed (Molded-Case Circuit Breakers No. 489)
- Federal Government Specification Qualified (WC-375B)
- 60°/75° C Conductor Rating
- Quick-Make, Quick-Break
- Box-Type Terminals

Breaker-Type	Ampere-Rating	Wire-Size-AWG/ kcmil	
		Cu	Al
THQP	15–25	14–8	12–8
	30–50	8–4	8–2
THQL THHQL TXQL	15–30	14–8	12–8
	35–60	8–3	8–2
	70–100	6–1/0	4–1/0
	110–125	2–2/0	2–2/0
TQDL THQDL	125–200	1/0–250	1/0–250

Ampere Rating	10,000-AIC			22,000-AIC		65,000-AIC
	Type-THQP- 1/2" Module	Type-THQL-1" Module		Type-THHQL-1" Module		Type-TXQL-1" Module
	120/240- Vac	240- Vac	120/240- Vac	240- Vac	120/240- Vac	120/240- Vac
	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.
<b>Single-Pole ①</b>						
15②	THQP115	THQL1115	—	THHQL1115	—	TXQL1115
20②	THQP120	THQL1120	—	THHQL1120	—	TXQL1120
25	THQP125	THQL1125	—	THHQL1125	—	TXQL1125
30	THQP130	THQL1130	—	THHQL1130	—	TXQL1130
35	THQP135	THQL1135	—	THHQL1135	—	—
40	THQP140	THQL1140	—	THHQL1140	—	—
45	THQP145	THQL1145	—	THHQL1145	—	—
50	THQP150	THQL1150	—	THHQL1150	—	—
Std. Pkg.	5 cartons of 20	5 cartons of 10	—	5 cartons of 10	—	5 cartons of 10
<b>Two-Pole ③ :-Incorporates-Internal-Common-Trip-Bar</b>						
15	THQP215	THQL2115	THQL2215	THHQL2115	THHQL2215	TXQL2115
20	THQP220	THQL2120	THQL2220	THHQL2120	THHQL2220	TXQL2120
25	THQP225	THQL2125	THQL2225	THHQL2125	THHQL2225	TXQL2125
30	THQP230	THQL2130	THQL2230	THHQL2130	THHQL2230	TXQL2130
35	THQP235	THQL2135	THQL2235	THHQL2135	THHQL2235	—
40	THQP240	THQL2140	THQL2240	THHQL2140	THHQL2240	—
45	THQP245	THQL2145	THQL2245	THHQL2145	THHQL2245	—
50	THQP250	THQL2150	THQL2250	THHQL2150	THHQL2250	—
60	—	THQL2160	THQL2260	THHQL2160	THHQL2260	—
70	—	THQL2170	THQL2270	THHQL2170	THHQL2270	—
80	—	THQL2180	THQL2280	THHQL2180	THHQL2280	—
90	—	THQL2190	THQL2290	THHQL2190	THHQL2290	—
100	—	THQL21100	THQL22100	THHQL21100	THHQL22100	—
110	—	THQL21110	—	THHQL21110	—	—
125	—	THQL21125	—	THHQL21125	—	—
Std. Pkg.	5 cartons of 10	5 cartons of 5	5 cartons of 5	5 cartons of 5	5 cartons of 5	5 cartons of 5
125	—	TQDL21125④	—	THQDL21125④	—	—
150	—	TQDL21150④	—	THQDL21150④	—	—
175	—	TQDL21175④	—	THQDL21175④	—	—
200	—	TQDL21200④	—	THQDL21200④	—	—
Std. Pkg.	—	10 cartons of 1	—	10 cartons of 1	—	—
<b>Three-Pole ③ :-Incorporates-Internal-Common-Trip-Bar</b>						
15	—	—	THQL32015	—	THHQL32015	TXQL32015
20	—	—	THQL32020	—	THHQL32020	TXQL32020
25	—	—	THQL32025	—	THHQL32025	TXQL32025
30	—	—	THQL32030	—	THHQL32030	TXQL32030
35	—	—	THQL32035	—	THHQL32035	—
40	—	—	THQL32040	—	THHQL32040	—
45	—	—	THQL32045	—	THHQL32045	—
50	—	—	THQL32050	—	THHQL32050	—
60	—	—	THQL32060	—	THHQL32060	—
70	—	—	THQL32070	—	THHQL32070	—
80	—	—	THQL32080	—	THHQL32080	—
90	—	—	THQL32090	—	THHQL32090	—
100	—	—	THQL32100	—	THHQL32100	—
Std. Pkg.	—	—	5 cartons of 3	—	5 cartons of 3	5 cartons of 3

① UL Listed as HACR (heating, air conditioning, and refrigeration).

② UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.

③ 15–100 A UL Listed as HACR (heating, air conditioning, and refrigeration.).

④ Requires four 1-inch spaces.

## Catalog Number System

For illustrative purposes only.

<span style="font-size: 1.2em; margin: 0 10px;">T</span> <span style="font-size: 1.2em; margin: 0 10px;">H</span> <span style="font-size: 1.2em; margin: 0 10px;">QL</span> <span style="font-size: 1.2em; margin: 0 10px;">1</span> <span style="font-size: 1.2em; margin: 0 10px;">1</span> <span style="font-size: 1.2em; margin: 0 10px;">15</span>						
GE Identification	Interrupting Rating	Type	Poles	Voltage	Ampere Rating	Insert for Specials
	H = 10kAIC HH = 22kAIC X = 65kAIC	QL = 1" Plug-in QP = ½" Plug-In QB = 1" Bolt-on		1 = 120/240Vac 2 = 240V Omit for THQP breakers (all 120/240Vac)		GF = 1 pole GFCI GF1 = 2-pole GFCI AF = AFCI

## Circuit Breaker Selection Guide

Recommendations based on standard conditions. Installation must conform to all local and national codes.

Application					Selection	
Appliance	Average Watts	Volts	Amps	Wire Size	Recommended Circuit Breaker	
					½-inch	1-inch
Air Conditioner Up to 11,000 BTU Up to 23,000 BTU Up to 30,000 BTU	1200	120	20A	2#12	THQP120	THQL1120
	2400	240	20A	3#12	THQP220	THQL2120
	7200	240	30A	3#10	THQP230	THQL2130
Attic Fan Up to ½ HP Up to 1 HP		120	15A	2#14	THQP115	THQL1115
		120	20A	2#12	THQP120	THQL1120
Bathroom or Outdoor Receptacles	1400	120	15A	2#14	—	THQL1115GF
	1900	120	20A	2#12	—	THQL1120GF
Bedroom Receptacles (for maximum safety; required by 2002 NEC)	1400	120	15A	2#14	—	THQL1115AF
	1900	120	20A	2#12	—	THQL1120AF
Branch Circuits (Indoor Receptacles)	1400	120	15A	2#14	THQP115	THQL1115
	1900	120	20A	2#12	THQP120	THQL1120
Clothes Dryer	5000	240	30A	3#10	THQP230	THQL2130
Dishwasher	1800	120	20A	2#12	THQP120	THQL1120
Doorbell Transformer	500	120	15A	2#14	THQP115	THQL1115
Electric Heater	1650	120	20A	2#12	THQP120	THQL1120
Electric Range	10000	240	50A	3#6	THQP250	THQL2150
Electric Welder (240V; over 10' away)		240	50A	3#6	THQP250	THQL2150
Fixed Lighting	1200	120	15A	2#14	THQP115	THQL1115
Garbage Disposal	300	120	20A	2#14	THQP120	THQL1120
Hot Tub or Spa		240	40	2#8	—	THQL2140GF1
		240	50	2#8	—	THQL2150GF1
Hot Water Heater	4500	240	30A	2#10	THQP230	THQL2130
Motors (Single Phase) Up to ½ HP ½ to 1 HP 1 to 1 ½ HP 1 ½ to 3 HP		120	15A	2#14	THQP115	THQL1115
		120	20A	2#12	THQP120	THQL1120
		240	15A	2#14	THQP215	THQL2115
		240	30A	2#10	THQP230	THQL2130
Refrigerator or Freezer	350	120	15A	2#14	THQP115	THQL1115
Sump Pump Up to ½ HP ½ to 1 HP		120	15A	2#14	THQP115	THQL1115
		120	20A	2#12	THQP120	THQL1120
Washing Machine	1200	120	15A	2#14	THQP115	THQL1115
Well Pump Up to ½ HP  ½ to 1 HP		120	20A	2#12	THQP120	THQL1120
		240	15A	2#14	THQP215	THQL2115
		120	30A	2#10	THQP130	THQL1130
		240	20A	2#12	THQP220	THQL2120
		240	20A	2#8	THQP240	THQL2140

## Special Safety Circuit Protection Products

Included among GE's circuit protection products are several that add the extra measure of safety that is increasingly important to today's new home buyers and remodelers. See page 8 for details.

Safety Need	Safety Solution	Amp Rating
Ground fault protection for circuits supplying power to outdoor, bathroom, kitchen, garage and spa area receptacles.	GFCIs (ground fault circuit interrupters)	15-50
Maximum protection against fires through detection and interruption of arcing caused by damaged wire insulation or extension cords. The 2002 NEC will require this protection in bedroom circuits.	AFCIs (arc fault circuit interrupters)	15-20
Whole house protection of sensitive electronic equipment – computers, fax machines, televisions, stereos, VCRs – from electrical surges.	Surge arrester	NA

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- Box-Type Terminals

Breaker-Type	Ampere-Rating	Wire-Size-AWG/ kcmil	
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	30–50	8–4	8–2
THQL THHQL TXQL	15–30	14–8	12–8
	35–60	8–3	8–2
	70–100	6–1/0	4–1/0
	110–125	2–2/0	2–2/0
TQDL THQDL	125–200	1/0–250	1/0–250

Ampere Rating	10,000-AIC			22,000-AIC		65,000-AIC
	Type-THQP- 1/2" Module	Type-THQL-1" Module		Type-THHQL-1" Module		Type-TXQL-1" Module
	120/240- Vac	240- Vac	120/240- Vac	240- Vac	120/240- Vac	120/240- Vac
	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.	Cat.-No.
<b>Single-Pole ①</b>						
15②	THQP115	THQL1115	—	THHQL1115	—	TXQL1115
20②	THQP120	THQL1120	—	THHQL1120	—	TXQL1120
25	THQP125	THQL1125	—	THHQL1125	—	TXQL1125
30	THQP130	THQL1130	—	THHQL1130	—	TXQL1130
35	THQP135	THQL1135	—	THHQL1135	—	—
40	THQP140	THQL1140	—	THHQL1140	—	—
45	THQP145	THQL1145	—	THHQL1145	—	—
50	THQP150	THQL1150	—	THHQL1150	—	—
Std. Pkg.	5 cartons of 20	5 cartons of 10	—	5 cartons of 10	—	5 cartons of 10
<b>Two-Pole ③ :-Incorporates-Internal-Common-Trip-Bar</b>						
15	THQP215	THQL2115	THQL2215	THHQL2115	THHQL2215	TXQL2115
20	THQP220	THQL2120	THQL2220	THHQL2120	THHQL2220	TXQL2120
25	THQP225	THQL2125	THQL2225	THHQL2125	THHQL2225	TXQL2125
30	THQP230	THQL2130	THQL2230	THHQL2130	THHQL2230	TXQL2130
35	THQP235	THQL2135	THQL2235	THHQL2135	THHQL2235	—
40	THQP240	THQL2140	THQL2240	THHQL2140	THHQL2240	—
45	THQP245	THQL2145	THQL2245	THHQL2145	THHQL2245	—
50	THQP250	THQL2150	THQL2250	THHQL2150	THHQL2250	—
60	—	THQL2160	THQL2260	THHQL2160	THHQL2260	—
70	—	THQL2170	THQL2270	THHQL2170	THHQL2270	—
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90	—	THQL2190	THQL2290	THHQL2190	THHQL2290	—
100	—	THQL21100	THQL22100	THHQL21100	THHQL22100	—
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Std. Pkg.	—	10 cartons of 1	—	10 cartons of 1	—	—
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20	—	—	THQL32020	—	THHQL32020	TXQL32020
25	—	—	THQL32025	—	THHQL32025	TXQL32025
30	—	—	THQL32030	—	THHQL32030	TXQL32030
35	—	—	THQL32035	—	THHQL32035	—
40	—	—	THQL32040	—	THHQL32040	—
45	—	—	THQL32045	—	THHQL32045	—
50	—	—	THQL32050	—	THHQL32050	—
60	—	—	THQL32060	—	THHQL32060	—
70	—	—	THQL32070	—	THHQL32070	—
80	—	—	THQL32080	—	THHQL32080	—
90	—	—	THQL32090	—	THHQL32090	—
100	—	—	THQL32100	—	THHQL32100	—
Std. Pkg.	—	—	5 cartons of 3	—	5 cartons of 3	5 cartons of 3

- ① UL Listed as HACR (heating, air conditioning, and refrigeration).
- ② UL Listed as SWD (switching duty). Suitable for 120 volts ac fluorescent lighting loads.
- ③ 15–100 A UL Listed as HACR (heating, air conditioning, and refrigeration.).
- ④ Requires four 1-inch spaces.

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	7200	240	30A	3#10	THQP230	THQL2130
Attic Fan Up to ½ HP Up to 1 HP		120	15A	2#14	THQP115	THQL1115
		120	20A	2#12	THQP120	THQL1120
Bathroom or Outdoor Receptacles	1400	120	15A	2#14	—	THQL1115GF
	1900	120	20A	2#12	—	THQL1120GF
Bedroom Receptacles (for maximum safety; required by 2002 NEC)	1400	120	15A	2#14	—	THQL1115AF
	1900	120	20A	2#12	—	THQL1120AF
Branch Circuits (Indoor Receptacles)	1400	120	15A	2#14	THQP115	THQL1115
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Dishwasher	1800	120	20A	2#12	THQP120	THQL1120
Doorbell Transformer	500	120	15A	2#14	THQP115	THQL1115
Electric Heater	1650	120	20A	2#12	THQP120	THQL1120
Electric Range	10000	240	50A	3#6	THQP250	THQL2150
Electric Welder (240V; over 10' away)		240	50A	3#6	THQP250	THQL2150
Fixed Lighting	1200	120	15A	2#14	THQP115	THQL1115
Garbage Disposal	300	120	20A	2#14	THQP120	THQL1120
Hot Tub or Spa		240	40	2#8	—	THQL2140GF1
		240	50	2#8	—	THQL2150GF1
Hot Water Heater	4500	240	30A	2#10	THQP230	THQL2130
Motors (Single Phase) Up to ½ HP ½ to 1 HP 1 to 1 ½ HP 1 ½ to 3 HP		120	15A	2#14	THQP115	THQL1115
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Sump Pump Up to ½ HP ½ to 1 HP		120	15A	2#14	THQP115	THQL1115
		120	20A	2#12	THQP120	THQL1120
Washing Machine	1200	120	15A	2#14	THQP115	THQL1115
Well Pump Up to ½ HP  ½ to 1 HP		120	20A	2#12	THQP120	THQL1120
		240	15A	2#14	THQP215	THQL2115
		120	30A	2#10	THQP130	THQL1130
		240	20A	2#12	THQP220	THQL2120
		240	20A	2#8	THQP240	THQL2140

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Whole house protection of sensitive electronic equipment – computers, fax machines, televisions, stereos, VCRs – from electrical surges.	Surge arrester	NA