

Catalog Number Selection

Please refer to Section 9.7 **Page 315**.

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Product Selection

Additional Product Selection information begins on **Page 317**.

Single-Phase Encapsulated—Type EP, 60 Hz

Type EP 3–37.5 kVA

120 x 240 Volts to 120/240 Volts ①



kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.5	—	—	EP	115	FR57P	3E	16 (7)	Indoor–Outdoor	S10N11P51P
1	—	—	EP	115	FR67P	3E	31 (14)	Indoor–Outdoor	S10N11P01P
1.5	—	—	EP	115	FR67P	3E	42 (19)	Indoor–Outdoor	S10N11P16P
2	—	—	EP	115	FR68P	3E	42 (19)	Indoor–Outdoor	S10N11P02P
3	—	—	EP	115	FR176	3E	55 (25)	Indoor–Outdoor	S10N11S03N
5	—	—	EP	115	FR177	3E	113 (51)	Indoor–Outdoor	S10N11S05N
7.5	—	—	EP	115	FR178	3E	123 (56)	Indoor–Outdoor	S10N11S07N
10	—	—	EP	115	FR179	3E	193 (88)	Indoor–Outdoor	S10N11S10N
15	—	—	EP	115	FR180	3E	216 (98)	Indoor–Outdoor	S10N11S15N
25	—	—	EP	115	FR182	3E	375 (170)	Indoor–Outdoor	S10N11S25N

208 Volts to 120/240 Volts ①

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.5	—	—	EP	115	FR57P	26A	16 (7)	Indoor–Outdoor	S29N11P51P
1	—	—	EP	115	FR67P	26A	31 (14)	Indoor–Outdoor	S29N11P01P
1.5	—	—	EP	115	FR67P	26A	42 (19)	Indoor–Outdoor	S29N11P16P
2	—	—	EP	115	FR68P	26A	42 (19)	Indoor–Outdoor	S29N11P02P
3	—	—	EP	115	FR176	26A	65 (30)	Indoor–Outdoor	S29N11S03N
5	—	—	EP	115	FR177	26A	113 (51)	Indoor–Outdoor	S29N11S05N
7.5	—	—	EP	115	FR178	26A	123 (56)	Indoor–Outdoor	S29N11S07N
10	—	—	EP	115	FR179	26A	193 (88)	Indoor–Outdoor	S29N11S10N
15	—	—	EP	115	FR180	26A	216 (98)	Indoor–Outdoor	S29N11S15N
25	—	—	EP	115	FR182	26A	395 (179)	Indoor–Outdoor	S29N11S25N

Notes

① Contact Eaton for availability of 0.05–0.25 kVA designs.

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.

General-Purpose Encapsulated Transformers

Single-Phase Encapsulated—Type EP, 60 Hz

277 Volts to 120/240 Volts ①

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.5	—	—	EP	115	FR58AP	524A	26 (12)	Indoor–Outdoor	S27N11P51P
1	—	—	EP	115	FR59AP	524A	31 (14)	Indoor–Outdoor	S27N11P01P
1.5	—	—	EP	115	FR67P	524A	42 (19)	Indoor–Outdoor	S27N11P16P
2	—	—	EP	115	FR176P	524A	65 (30)	Indoor–Outdoor	S27N11P02P
3	—	—	EP	115	FR176	524A	55 (25)	Indoor–Outdoor	S27N11S03N
5	—	—	EP	115	FR177	524A	113 (51)	Indoor–Outdoor	S27N11S05N
7.5	—	—	EP	115	FR178	524A	123 (56)	Indoor–Outdoor	S27N11S07N
10	—	—	EP	115	FR179	524A	193 (88)	Indoor–Outdoor	S27N11S10N
15	—	—	EP	115	FR180	524A	180 (82)	Indoor–Outdoor	S27N11S15N
25	—	—	EP	115	FR182	524A	375 (170)	Indoor–Outdoor	S27N11S25N

240 x 480 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.050	—	—	EP	115	FR52	3A	7 (3)	Indoor–Outdoor	S20N11S81N
0.075	—	—	EP	115	FR54	3A	7 (3)	Indoor–Outdoor	S20N11S85N
0.100	—	—	EP	115	FR54	3A	7 (3)	Indoor–Outdoor	S20N11S82N
0.150	—	—	EP	115	FR55	3A	8 (4)	Indoor–Outdoor	S20N11S83N
0.25	—	—	EP	115	FR57P	3A	12 (5)	Indoor–Outdoor	S20N11P26P
0.5	—	—	EP	115	FR57P	3A	16 (7)	Indoor–Outdoor	S20N11P51P
0.75	—	—	EP	115	FR58AP	3A	26 (12)	Indoor–Outdoor	S20N11P76P
1	—	—	EP	115	FR67P	3A	31 (14)	Indoor–Outdoor	S20N11P01P
1.5	—	—	EP	115	FR67P	3A	42 (19)	Indoor–Outdoor	S20N11P16P
2	—	—	EP	115	FR68P	3A	42 (19)	Indoor–Outdoor	S20N11P02P
3	—	—	EP	115	FR176	3A	65 (30)	Indoor–Outdoor	S20N11S03N
3	②	②	EP	115	FR176	3A	65 (30)	Indoor–Outdoor	S20K11S03N
5	—	—	EP	115	FR177	3A	113 (51)	Indoor–Outdoor	S20N11S05N
5	②	②	EP	115	FR177	9A	105 (48)	Indoor–Outdoor	S20K11S05N
7.5	—	—	EP	115	FR178	3A	105 (48)	Indoor–Outdoor	S20N11S07N
7.5	②	②	EP	115	FR178	9A	123 (56)	Indoor–Outdoor	S20K11S07N
10	—	—	EP	115	FR179	3A	193 (88)	Indoor–Outdoor	S20N11S10N
10	②	②	EP	115	FR179	9A	193 (88)	Indoor–Outdoor	S20K11S10N
15	—	—	EP	115	FR180	3A	216 (98)	Indoor–Outdoor	S20N11S15N
15	③	③	EP	115	FR180	23A	216 (98)	Indoor–Outdoor	S20L11S15N
25	—	—	EP	115	FR182	3A	385 (175)	Indoor–Outdoor	S20N11S25N
25	③	③	EP	115	FR182	23A	375 (170)	Indoor–Outdoor	S20L11S25N
37.5	③	③	EP	115	FR300A	248A	735 (334)	Indoor–Outdoor	S20L11S37 ④

Notes

- ① Contact Eaton for availability of 0.05–0.25 kVA designs.
 ② 1 at +10% FCBN at 240 volts; 2 at +5% FCBN at 480 volts.
 ③ 2 at +5% FCBN at 240 volts; 4 at +2.5% FCBN at 480 volts.
 ④ Floor-mount only.

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.

Single-Phase Encapsulated—Type EP, 60 Hz

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190/200/208/220 x 380/400/416/440 Volts to 110/220 Volts 50/60 Hz—Export Model IP 22 Rated

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.5	—	—	EP	115	FR67	538A	42 (19)	Indoor–Outdoor	S40N14S51CE
1	—	—	EP	115	FR67	538A	42 (19)	Indoor–Outdoor	S40N14S01CE
1.5	—	—	EP	115	FR176	538A	65 (30)	Indoor–Outdoor	S40N14S16CE
2	—	—	EP	115	FR176	538A	65 (30)	Indoor–Outdoor	S40N14S02CE
3	—	—	EP	115	FR177	538A	113 (51)	Indoor–Outdoor	S40N14S03CE
5	—	—	EP	115	FR178	538A	140 (64)	Indoor–Outdoor	S40N14S05CE
7.5	—	—	EP	115	FR179	538A	193 (88)	Indoor–Outdoor	S40N14S07CE
10	—	—	EP	115	FR180	538A	216 (98)	Indoor–Outdoor	S40N14S10CE
15	—	—	EP	115	FR182	538A	375 (170)	Indoor–Outdoor	S40N14S15CE

120/208/240/277 Volts to 120/240 Volts 60 Hz

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
1	—	—	EP	115	FR67P	①	42 (19)	Indoor–Outdoor	S54N11P01
1.5	—	—	EP	115	FR176P	①	65 (30)	Indoor–Outdoor	S54N11P16
2	—	—	EP	115	FR176P	①	65 (30)	Indoor–Outdoor	S54N11P02
3	—	—	EP	115	FR177	①	113 (51)	Indoor–Outdoor	S54N11S03
5	—	—	EP	115	FR178	①	140 (64)	Indoor–Outdoor	S54N11S05
7.5	—	—	EP	115	FR179	①	193 (88)	Indoor–Outdoor	S54N11S07
10	—	—	EP	115	FR180	①	216 (98)	Indoor–Outdoor	S54N11S10

240 x 480 Volts to 120/240 Volts Stainless Steel ②

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	3A	65 (30)	Indoor–Outdoor	S20N11S03SS
5	—	—	EP	115	FR177	3A	113 (51)	Indoor–Outdoor	S20N11S05SS
7.5	—	—	EP	115	FR178	3A	123 (56)	Indoor–Outdoor	S20N11S07SS
10	—	—	EP	115	FR179	3A	193 (88)	Indoor–Outdoor	S20N11S10SS
15	—	—	EP	115	FR180	3A	205 (93)	Indoor–Outdoor	S20N11S15SS
25	—	—	EP	115	FR182	3A	375 (170)	Indoor–Outdoor	S20N11S25SS

Note

① Refer to your local Eaton sales office.

② NEMA 3R, 304 stainless steel enclosure; 316 stainless steel enclosure available as an option.

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.

Single-Phase Encapsulated—Type EP, 60 Hz

480 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
1	—	2 at -5%	EP	115	FR67P	2D	31 (14)	Indoor-Outdoor	S48G11P01P
1.5	—	2 at -5%	EP	115	FR67P	2D	42 (19)	Indoor-Outdoor	S48G11P16P
2	—	2 at -5%	EP	115	FR68P	2D	42 (19)	Indoor-Outdoor	S48G11P02P
3	—	2 at -5%	EP	115	FR176	2D	65 (30)	Indoor-Outdoor	S48G11S03N
3	2 at +2.5%	2 at +2.5%	EP	115	FR176	16A	65 (30)	Indoor-Outdoor	S48D11S03N
5	—	2 at -5%	EP	115	FR177	2D	113 (51)	Indoor-Outdoor	S48G11S05N
5	2 at +2.5%	2 at +2.5%	EP	115	FR177	16A	113 (51)	Indoor-Outdoor	S48D11S05N
7.5	—	2 at -5%	EP	115	FR178	2D	123 (56)	Indoor-Outdoor	S48G11S07N
7.5	2 at +2.5%	2 at +2.5%	EP	115	FR178	16A	123 (56)	Indoor-Outdoor	S48D11S07N
10	—	2 at -5%	EP	115	FR179	2D	193 (88)	Indoor-Outdoor	S48G11S10N
10	2 at +2.5%	2 at +2.5%	EP	115	FR179	16A	193 (88)	Indoor-Outdoor	S48D11S10N
15	—	2 at -5%	EP	115	FR180	2D	216 (98)	Indoor-Outdoor	S48G11S15N
15	2 at +2.5%	2 at +2.5%	EP	115	FR180	16A	216 (98)	Indoor-Outdoor	S48D11S15N
25	—	2 at -5%	EP	115	FR182	2D	385 (175)	Indoor-Outdoor	S48G11S25N
25	2 at +2.5%	4 at -2.5%	EP	115	FR132	83A	410 (186)	Indoor-Outdoor	S48M11S25N

480 Volts to 120/240 Volts Stainless Steel, Copper Windings ^①

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
10	2 at +2.5%	2 at +2.5%	EP	115	FR179	16A	210 (95)	Indoor-Outdoor	S48D11S10CUSS
15	2 at +2.5%	2 at +2.5%	EP	115	FR180	16A	235 (107)	Indoor-Outdoor	S48D11S15SSCU
25	2 at +2.5%	4 at -2.5%	EP	115	FR182	83A	415 (188)	Indoor-Outdoor	S48M11S25SSCU

600 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.5	—	2 at -5%	EP	115	FR57P	2I	16 (7)	Indoor-Outdoor	S60G11P51P
0.75	—	2 at -5%	EP	115	FR58AP	2I	26 (12)	Indoor-Outdoor	S60G11P76P
1	—	2 at -5%	EP	115	FR67P	2I	31 (14)	Indoor-Outdoor	S60G11P01P
1.5	—	2 at -5%	EP	115	FR67P	2I	42 (19)	Indoor-Outdoor	S60G11P16P
2	—	2 at -5%	EP	115	FR68P	2I	42 (19)	Indoor-Outdoor	S60G11P02P
3	—	2 at -5%	EP	115	FR176	2I	65 (30)	Indoor-Outdoor	S60G11S03N
5	—	2 at -5%	EP	115	FR177	2I	105 (48)	Indoor-Outdoor	S60G11S05N
7.5	—	2 at -5%	EP	115	FR178	2I	123 (56)	Indoor-Outdoor	S60G11S07N
10	—	2 at -5%	EP	115	FR179	2I	193 (88)	Indoor-Outdoor	S60G11S10N
15	—	4 at -2.5%	EP	115	FR180	527A	216 (98)	Indoor-Outdoor	S60J11S15N
25	—	4 at -2.5%	EP	115	FR182	527A	385 (175)	Indoor-Outdoor	S60J11S25N
25	2 at 2.5%	4 at -2.5%	EP	115	FR132	83B	395 (180)	Indoor-Outdoor	S60M11S25N

Notes

^① NEMA 3R, 304 stainless steel enclosure; 316 stainless steel enclosure available as an option.

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.

Single-Phase Shielded—Type EP, 60 Hz

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120 x 240 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	90B	50 (23)	Indoor–Outdoor	S10N11E03N
5	—	—	EP	115	FR177	90B	90 (41)	Indoor–Outdoor	S10N11E05N
7.5	—	—	EP	115	FR178	90B	123 (56)	Indoor–Outdoor	S10N11E07N
10	—	—	EP	115	FR179	90B	210 (95)	Indoor–Outdoor	S10N11E10N
15	—	—	EP	115	FR180	90B	205 (93)	Indoor–Outdoor	S10N11E15N
25	—	—	EP	115	FR182	90B	375 (170)	Indoor–Outdoor	S10N11E25N

120 Volts to 120 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	77A	60 (27)	Indoor–Outdoor	S12N12E03N
5	—	—	EP	115	FR177	77A	100 (45)	Indoor–Outdoor	S12N12E05N
7.5	—	—	EP	115	FR178	77A	123 (56)	Indoor–Outdoor	S12N12E07N
10	—	—	EP	115	FR179	77A	180 (82)	Indoor–Outdoor	S12N12E10N
15	—	—	EP	115	FR180	77A	216 (98)	Indoor–Outdoor	S12N12E15N
25	—	—	EP	115	FR182	77A	375 (170)	Indoor–Outdoor	S12N12E25N

208 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	578A	60 (27)	Indoor–Outdoor	S29N11E03N
5	—	—	EP	115	FR177	578A	135 (61)	Indoor–Outdoor	S29N11E05N
7.5	—	—	EP	115	FR178	578A	95 (43)	Indoor–Outdoor	S29N11E07N
10	—	—	EP	115	FR179	578A	165 (75)	Indoor–Outdoor	S29N11E10N
15	—	—	EP	115	FR180	578A	185 (94)	Indoor–Outdoor	S29N11E15N
25	—	—	EP	115	FR182	578A	375 (170)	Indoor–Outdoor	S29N11E25N

208 Volts to 208 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	77B	65 (30)	Indoor–Outdoor	S29N29E03N
5	—	—	EP	115	FR177	77B	113 (51)	Indoor–Outdoor	S29N29E05N
7.5	—	—	EP	115	FR178	77B	123 (56)	Indoor–Outdoor	S29N29E07N
10	—	—	EP	115	FR179	77B	195 (89)	Indoor–Outdoor	S29N29E10N
15	—	—	EP	115	FR180	77B	216 (98)	Indoor–Outdoor	S29N29E15N
25	—	—	EP	115	FR182	77B	375 (170)	Indoor–Outdoor	S29N29E25N

Note

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.

Single-Phase Shielded—Type EP, 60 Hz

240 Volts to 240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	77C	65 (30)	Indoor–Outdoor	S24N24E03N
5	—	—	EP	115	FR177	77C	113 (51)	Indoor–Outdoor	S24N24E05N
7.5	—	—	EP	115	FR178	77C	123 (56)	Indoor–Outdoor	S24N24E07N
10	—	—	EP	115	FR179	77C	193 (88)	Indoor–Outdoor	S24N24E10N
15	—	—	EP	115	FR180	77C	216 (98)	Indoor–Outdoor	S24N24E15N
25	—	—	EP	115	FR182	77C	375 (170)	Indoor–Outdoor	S24N24E25N

277 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
3	—	—	EP	115	FR176	513B	65 (30)	Indoor–Outdoor	S27N11E03N
5	—	—	EP	115	FR177	513B	113 (51)	Indoor–Outdoor	S27N11E05N
7.5	—	—	EP	115	FR178	513B	75 (34)	Indoor–Outdoor	S27N11E07N
10	—	—	EP	115	FR179	513B	162 (74)	Indoor–Outdoor	S27N11E10N
15	—	—	EP	115	FR180	513B	216 (98)	Indoor–Outdoor	S27N11E15N
25	—	—	EP	115	FR182	513B	375 (170)	Indoor–Outdoor	S27N11E25N

240 x 480 Volts to 120/240 Volts

kVA	Full Capacity Taps		Type	°C Temp. Rise	Frame	Wiring Diagram Number	Weight Lbs (kg)	Weathershield	Style Number
	FCAN	FCBN							
0.25	—	—	EP	115	FR57P	90A	12 (5)	Indoor–Outdoor	S20N11E26P
0.50	—	—	EP	115	FR57P	90A	16 (7)	Indoor–Outdoor	S20N11E51P
0.75	—	—	EP	115	FR58AP	90A	26 (12)	Indoor–Outdoor	S20N11E76P
1	—	—	EP	115	FR67P	90A	31 (14)	Indoor–Outdoor	S20N11E01P
1.5	—	—	EP	115	FR67P	90A	42 (19)	Indoor–Outdoor	S20N11E16P
2	—	—	EP	115	FR68P	90A	42 (19)	Indoor–Outdoor	S20N11E02P
3	—	—	EP	115	FR176	90A	65 (30)	Indoor–Outdoor	S20N11E03A
5	—	—	EP	115	FR177	90A	113 (51)	Indoor–Outdoor	S20N11E05A
7.5	—	—	EP	115	FR178	90A	123 (56)	Indoor–Outdoor	S20N11E07A
10	—	—	EP	115	FR179	90A	166 (75)	Indoor–Outdoor	S20N11E10A
15	—	—	EP	115	FR180	90A	216 (98)	Indoor–Outdoor	S20N11E15A
25	①	①	EP	115	FR182	526A	375 (170)	Indoor–Outdoor	S20L11E25A

Notes

① 2 at +5% FCBN at 240 volts; 4 at –2.5% FCBN at 480 volts.

Contact your local Eaton sales office for CE Mark transformer requirements. For other ratings or styles not shown, or for special enclosure types (including stainless steel), refer to Eaton. Frame drawings/dimensions information begins on **Page 343**.