

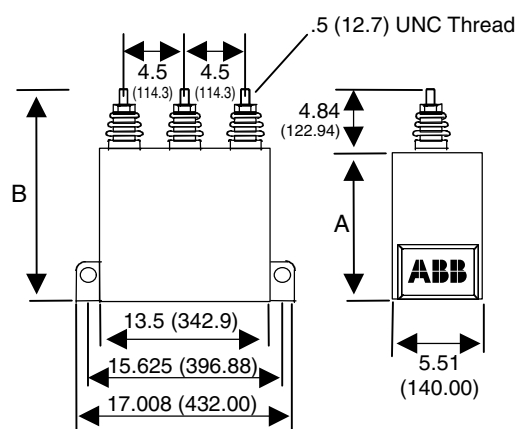
Three-Phase Units

Type 2GUW

The 2GUW units are three-phase industrial power capacitors with standard ratings of 25 to 300 kvar in either 2400 V or 4160 V. Other kvar outputs and voltages are available upon request. 2GUW capacitor units meet or exceed all applicable requirements of NEMA CP1 and ANSI/IEEE 18 for high-voltage capacitors.

SPECIFICATIONS

- ▶ Low-loss polypropylene film and aluminum foil
- ▶ Non-PCB dielectric fluid — FARADOL 800
- ▶ Discharge resistors to reduce the residual voltage to less than 50 V in 5 minutes of de-energization
- ▶ Designed for indoor use with an ambient temperature range of -40°C to $+46^{\circ}\text{C}$
- ▶ Stainless steel case
- ▶ ANSI 70 light gray paint
- ▶ Available with top cover on request or with top cover and 3-line fuses (Type 2GUE)



Standard Design Dimensions and Weights

All dimensions and weights are approximate.
Dimensions are specified in inches (mm).

Output (kvar)	Reference 2400 V*	Reference 4160 V*	A Inches (mm)	B Inches (mm)	Weight Lbs. (kg)
25	2GUW024025C310	2GUW041025C310	6.26 (159)	11.10 (281)	35 (16)
50	2GUW024050C310	2GUW041050C310	6.26 (159)	11.10 (281)	35 (16)
75	2GUW024075C310	2GUW041075C310	7.24 (184)	12.09 (307)	37 (17)
100	2GUW024100C310	2GUW041100C310	9.21 (234)	14.09 (358)	42 (19)
112.5	2GUW024112C310	2GUW041112C310	9.21 (234)	14.09 (358)	46 (21)
125	2GUW024125C310	2GUW041125C310	10.20 (259)	15.04 (382)	49 (22)
137.5	2GUW024137C310	2GUW041137C310	11.18 (284)	16.02 (407)	53 (24)
150	2GUW024150C310	2GUW041150C310	12.17 (309)	17.01 (432)	57 (26)
175	2GUW024175C310	2GUW041175C310	13.15 (334)	17.99 (457)	62 (28)
200	2GUW024200C310	2GUW041200C310	14.13 (359)	18.97 (482)	66 (30)
225	—	2GUW041225C310	16.10 (409)	20.94 (532)	70 (32)
250	—	2GUW041250C310	17.09 (434)	21.93 (557)	75 (34)
275	—	2GUW041275C310	19.05 (484)	23.89 (607)	79 (36)
300	—	2GUW041300C310	20.04 (509)	24.88 (632)	84 (38)

*Available in 4.8 kV, contact ABB for dimensions.

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Assembled Banks

Type 2GUE

All 2GUE assemblies include:

- ▶ 1 to 4 three-phase capacitor units type '2GUW', depending on the total kvar output
- ▶ Direct stud-mounted fuses (½" UNC) 1 per phase
- ▶ Bushing enclosure and cover

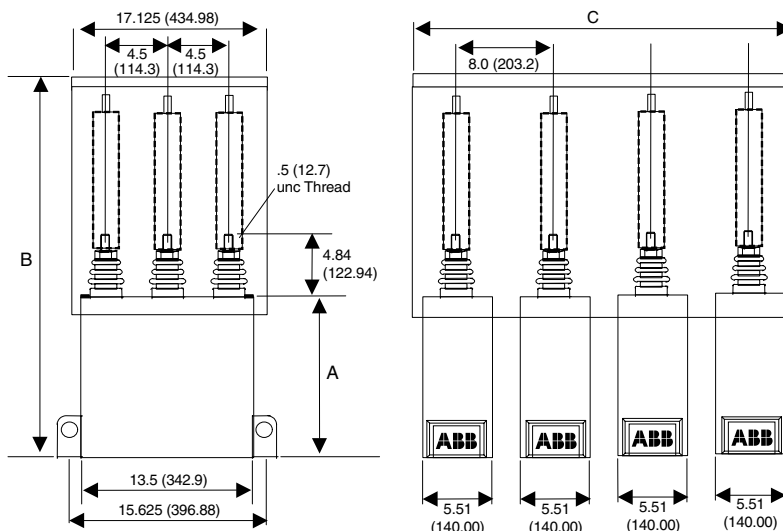
Assemblies are dust-proof and weatherproof.

2GUW capacitor units meet or exceed all applicable requirements of NEMA CP1 and ANSI/IEEE 18 for high-voltage capacitors.

APPLICATIONS

Power Factor Correction for:

- ▶ Industrial plants
- ▶ Commercial facilities
- ▶ OEM equipment requiring power factor correction



SPECIFICATIONS

Standard Design Dimensions and Weights

All dimensions and weights are approximate. Dimensions are specified in inches (mm).

Part Number 2400 V*	Part Number 4160 V*	Rated (kvar)	No. of Units	Unit (kvar)	A Inches (mm)	B Inches (mm)	C Inches (mm)	Approx. Weight Lbs. (kg)
2GUE024025N1	2GUE041025N1	25	1	25	6.26 (159)	23.04 (585)	9.13 (232)	51 (23)
2GUE024050N1	2GUE041050N1	50	1	50	6.26 (159)	23.04 (585)	9.13 (232)	51 (23)
2GUE024075N1	2GUE041075N1	75	1	75	7.24 (184)	24.04 (611)	9.13 (232)	53 (24)
2GUE024100N1	2GUE041100N1	100	1	100	9.21 (234)	25.93 (659)	9.13 (232)	58 (26)
2GUE024125N1	2GUE041125N1	125	1	125	10.20 (259)	26.95 (685)	9.13 (232)	64 (29)
2GUE024150N1	2GUE041150N1	150	1	150	12.17 (309)	28.53 (725)	9.13 (232)	73 (33)
2GUE024175N1	2GUE041175N1	175	1	175	13.15 (334)	29.95 (761)	9.13 (232)	78 (35)
2GUE024200N1	2GUE041200N1	200	1	200	14.13 (359)	30.84 (783)	9.13 (232)	82 (37)
2GUE024225N2	—	225	2	112.5	9.21 (234)	25.94 (659)	17.13 (435)	119 (54)
—	2GUE041225N1	225	1	225	16.10 (409)	32.88 (835)	9.13 (232)	96 (44)

*Available in 4.8 kV, contact ABB for dimensions.

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Assembled Banks

Type 2GUE

SPECIFICATIONS *(continued)*

Standard Design Dimensions and Weights

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Part Number 2400 V*	Part Number 4160 V*	Rated kvar	No. of Units	Unit kvar	A Inches (mm)	B Inches (mm)	C Inches (mm)	Approx. Weight Lbs. (kg)
2GUE024250N2	—	250	2	125	10.20 (259)	26.95 (685)	17.13 (435)	125 (56)
—	2GUE041250N1	250	1	250	17.09 (434)	32.96 (837)	9.13 (232)	91 (41)
2GUE024275N2	—	275	2	137.5	11.18 (284)	27.64 (702)	17.13 (435)	133 (60)
—	2GUE041275N1	275	1	275	19.05 (484)	34.92 (887)	9.13 (232)	95 (43)
2GUE024300N2	—	300	2	150	12.17 (309)	28.53 (725)	17.13 (435)	141 (64)
—	2GUE041300N1	300	1	300	20.04 (509)	35.91 (912)	9.13 (232)	100 (45)
2GUE024350N2	2GUE041350N2	350	2	175	13.15 (334)	29.95 (761)	17.13 (435)	151 (68)
2GUE024400N2	2GUE041400N2	400	2	200	14.13 (359)	30.84 (783)	17.13 (435)	159 (72)
2GUE024450N3	—	450	3	150	12.17 (309)	28.53 (725)	25.13 (638)	209 (95)
—	2GUE041450N2	450	2	225	16.10 (409)	32.88 (835)	17.13 (435)	167 (76)
2GUE024500N4	—	500	4	125	10.20 (259)	26.95 (685)	33.13 (842)	245 (110)
—	2GUE041500N2	500	2	250	17.09 (434)	32.96 (837)	17.13 (435)	177 (80)
2GUE024550N4	—	550	4	137.5	11.18 (284)	27.64 (702)	33.13 (842)	261 (117)
—	2GUE041550N2	550	2	275	19.05 (484)	34.92 (887)	17.13 (435)	185 (84)
2GUE024600N3	—	600	3	200	14.13 (359)	30.84 (783)	33.13 (842)	236 (107)
—	2GUE041600N2	600	2	300	20.04 (509)	35.91 (912)	17.13 (435)	195 (88)
—	2GUE041675N3	675	3	225	16.10 (409)	32.88 (835)	25.13 (638)	248 (112)
2GUE024700N4	—	700	4	175	13.15 (334)	29.95 (761)	33.13 (842)	297 (135)
—	2GUE041750N3	750	3	250	17.09 (434)	32.96 (837)	25.13 (638)	258 (117)
2GUE024800N4	—	800	4	200	14.13 (359)	30.84 (783)	33.13 (842)	313 (142)
—	2GUE041825N3	825	3	275	19.05 (484)	34.92 (887)	25.13 (638)	275 (125)
—	2GUE041900N3	900	3	300	20.04 (509)	35.91 (912)	25.13 (638)	290 (132)
—	2GUE0411000N4	1000	4	250	17.09 (434)	32.96 (837)	33.13 (842)	349 (158)
—	2GUE0411100N4	1100	4	275	19.05 (484)	34.92 (887)	33.13 (842)	365 (166)
—	2GUE0411200N4	1200	4	300	20.04 (509)	35.91 (912)	33.13 (842)	385 (175)

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