

SHF LINE POWERED GENERATOR

RADIOGRAPHIC SPECIFICATIONS				
Model	210AP	310AP	410AP	510AP
Part#	08052*	08052*	08052*	08052*
Power	20kW	32kW	40kW	50kW
kVp Range	40-125	40-125	40-125	40-150
mA Range	10-400	10-400	10-500	10-630
mAs Range	0.1-630	0.1-630	0.1-630	0.1-630

ELECTRICAL SPECIFICATIONS										
Max Momentary Input (published)		25 kVA		40 kVA		50 kVA		62.5 kVA		
Line Phase		1PH	3PH	1PH	3PH	1PH	3PH	1PH	3PH	
Min Distribution Xfrmr		30 kVA	-	45 kVA	3x15 kVA	60 kVA	3x20 kVA	75 kVA	3x25 kVA	
Line Frequency		50/60	-	50/60	50/60	50/60	50/60	50/60	50/60	
NOMINAL LINE VAC +/- 10% *	208 (202 to 214)	Line Match #	-	-	00530-000	07287	00530-000	07287	08326	07287
		Min Disconnect	60 A	-	96 A	56 A	120 A	70 A	150 A	87 A
		Min Cu wire run (AWG@FT)	4@50 2@100 1/0@150 2/0@200	- - - -	2@50 1/0@100 3/0@150 4/0@200	6@50 2@100 1@150 1/0@200	2 @50 2/0@100 4/0@150 4/0@200	4@50 2@100 1/0@150 2/0@200	1@50 3/0@100 250MCM @150 300MCM @200	4@50 1@100 2/0@150 3/0@200
	220 (213 to 229)	Line Match #	-	-	00530-000	07287	00530-000	07287	08326	07287
		Min Disconnect	57 A	-	91 A	53 A	114 A	66 A	142 A	82 A
		Min Cu wire run (AWG@FT)	4@50 2@100 1@150 1/0@200	- - - -	4@50 1@100 2/0@150 3/0@200	6@50 4@100 2@150 1@200	2 @50 1/0@100 3/0@150 4/0@200	6@50 2@100 1@150 1/0@200	1@50 3/0@100 250MCM @150 300MCM @200	4@50 2@100 1/0@150 2/0@200
	240 (230 to 250)	Line Match #	-	-	-	-	-	-	-	-
		Min Disconnect	52 A	-	84 A	48 A	104 A	60 A	130 A	75 A
		Min Cu wire run (AWG@FT)	6@50 4@100 2@150 1@200	- - - -	4@50 1@100 2/0@150 3/0@200	6@50 4@100 2@150 1@200	2 @50 1/0@100 3/0@150 4/0@200	6@50 2@100 1@150 1/0@200	2@50 2/0@100 4/0@150 250 MCM @200	4@50 2@100 1/0@150 2/0@200

*** Notes:**

1. 230VAC labeled generator operates from 208VAC to 240VAC lines. A line match transformer is only needed if specified by part number in the chart above. Hyphen (-) indicates not required.
2. The line match# is a required option to operate the generator at the specified nominal Line VAC.
3. Maximum VAC drop under load at the generator input is 5%
4. Run "RUN" is defined as length of wire between the building's main incoming electrical panel and the service disconnect switch in the X-ray room.
5. The generator does not provide 110/120 VAC supply.
6. Auxiliary power supplies: 24VAC@6A and 24VDC@10A
7. Minimum disconnect: Refers to the minimum Amp rating of the current protection whether it is via a circuit breaker or a fused disconnect switch. See NEC 660.5 for details.

Min Disconnect Amps = Max momentary Amps/2

1PH Max Momentary Amps = Max Momentary Input/Nominal Line VAC.

3PH Max Momentary Amps = Max Momentary Input/Nominal Line VAC/√3

Common Fused Disconnect sizes (for reference only):

50A, 60A, 100A, 200A

Common Circuit Breaker sizes (for reference only):

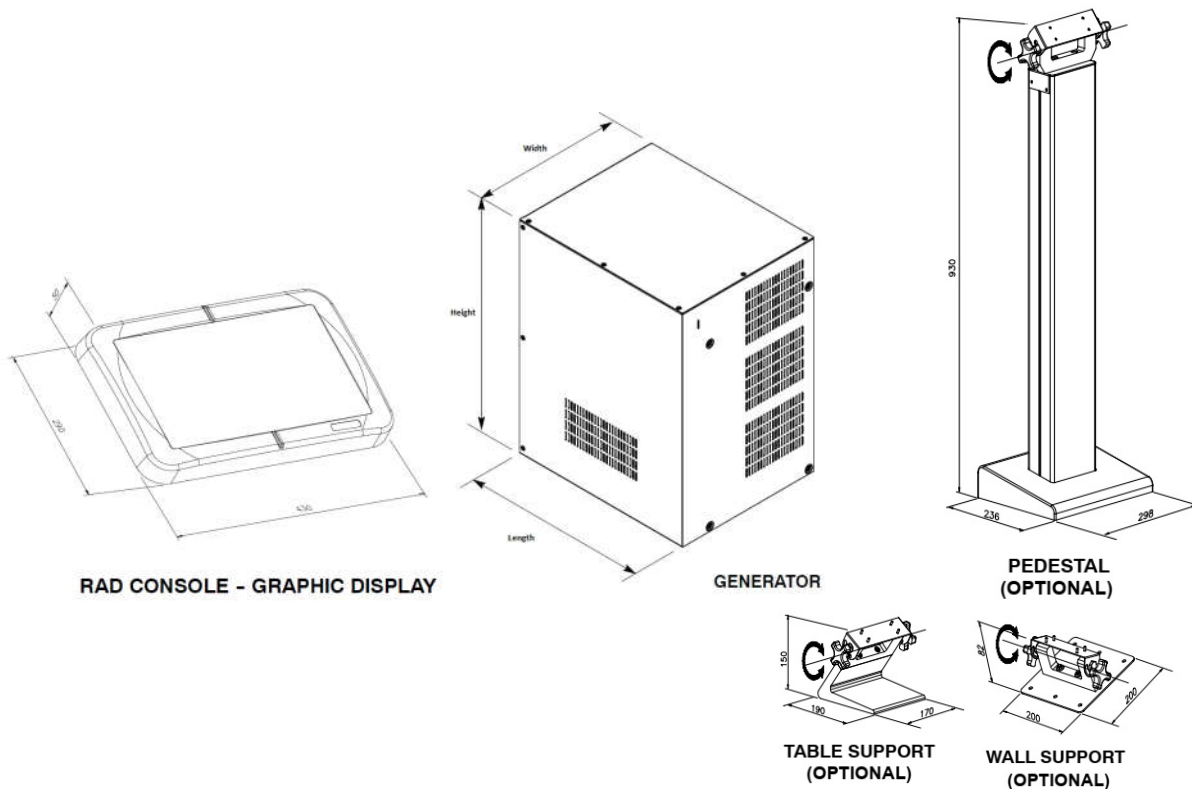
1PH/240: 125A, 150A; **3PH/240:** 40A, 45A, 50A, 60A, 70A, 80A, 90A, 100A; **3PH/480:** 40, 50, 60, 70, 80, 90, 100

ENVIRONMENTAL OPERATING SPECIFICATIONS

Ambient temperature range	Relative humidity range	Atmosphere pressure range
50°F (10°C) to 104°F (40°C)	30% to 75%	20.67 inHg (700 hPa) to 31.30 inHg (1060 hPa)

TUBE COMPATIBILITY LIST

TOSHIBA	VARIAN
7239, 7240, 7242, 7252-AL, 7252-RA, 7254, 7255, 7843, 7869, 7884	RAD8, RAD14, RAD21, RAD56, RAD60, RAD74, RAD92, A192



DIMENSIONS

COMPONENT	Length	Width	Height	Weight
CRATED Generator (Shipping Information) For only 1 tube (LSS) w/control console and cables	1070 mm (42.1")	620 mm (24.4")	740 mm (29.1")	40 kg (308 lb)
CRATED Generator (Shipping Information) For 1 or 2 tubes (LSS or HSS) w/control console and cables	1150 mm (45.3")	820 mm (32.3")	740 mm (29.1")	170 kg (374 lb)
Generator with Leveling Legs For only 1 tube (LSS)	445 mm (17.5")	360 mm (14.2")	568 mm (22.4")	72 kg (159 lb)
Generator with Leveling Legs For 1 or 2 tubes (LSS / HSS)	592 mm (23.3")	360 mm (14.2")	690 mm (27.2")	95 kg (209 lb)
Pedestal	298 mm (11.7")	236 mm (9.3")	930 mm (36.6")	10 kg (22 lb)
RAD Console Graphic Display	430 mm (16.9")	290 mm (11.4")	50 mm (1.9")	6 kg (13.2 lb)