

- Notes:
- CONTROL PANEL, (BATTERY CHARGER INSIDE).
  - 120V, 20A GFCI & 250V, 15A OUTLET (OPTIONAL).
  - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN THE LOW VOLTAGE CONNECTION BOX (USE LOW VOLTAGE STUB-UP AREA).
  - BATTERY (12 VOLT NEGATIVE GROUND SYSTEM).
  - MAIN LINE CIRCUIT BREAKER (MLCB), AC LOAD LEADS. (DIMENSIONS MAY VARY DUE TO UNIT CONFIGURATION)
  - CENTER OF GRAVITY AND WEIGHT MAY CHANGE DUE TO UNIT OPTIONS. FOR WEIGHT AND CENTER OF GRAVITY DATA SEE SHEET 3
  - ENGINE SERVICE CONNECTIONS:  
 INLET NATURAL GAS = 1-1/4" NPT FEMALE COUPLING  
 INLET DIESEL = N/A  
 INLET LPL = 1/4" NPT  
 RETURN DIESEL = N/A  
 OIL DRAIN = 1/2" NPT COUPLING  
 RADIATOR DRAIN = 1/2 NPT COUPLING.  
 FLEX PIPE OUTLET = 2.5" ID - WELD ON FLANGE PROVIDED  
 EXHAUST OUTLET = 2.5" ID - WELD ON FLANGE PROVIDED  
 \*\*\*\*\* SEE GENERATOR SIZING GUIDE FOR FUEL PIPE SIZING TO SUIT APPLICATION \*\*\*\*\*

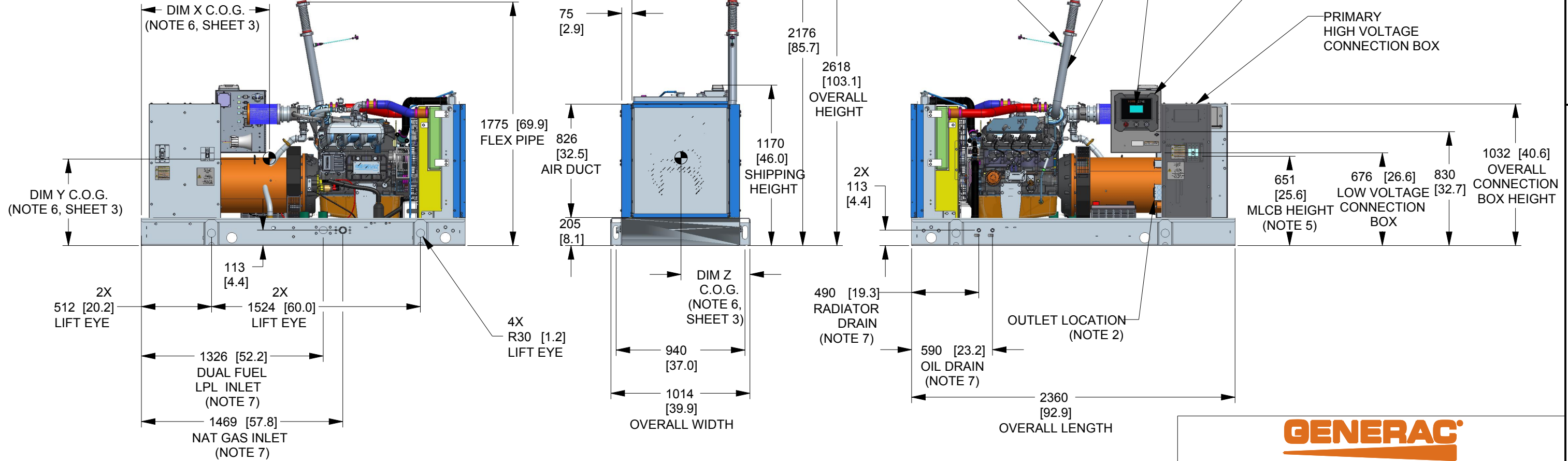
- AUXILIARY AC CONNECTION FOR UNIT OPTIONS ARE LOCATED IN HIGH VOLTAGE CONNECTION BOX, UNLESS AN OPTIONAL LOAD CENTER IS INSTALLED.
- EXHAUST PIPES MAY BE ROTATED TO ALLOW MUFFLER TO POINT OUT TO THE RIGHT OR LEFT SIDE OF GENERATOR. (MAY NOT APPLY TO ALL UNITS)
- GENERATOR SET MUST BE INSTALLED SUCH THAT FRESH COOLING AIR IS AVAILABLE AND DISCHARGE AIR FROM THE RADIATOR IS NOT RECIRCULATED.
- BOTTOM OF GENERATOR SET MUST BE ENCLOSED TO PREVENT PEST INTRUSION AND RECIRCULATION OF DISCHARGE AIR AND/OR IMPROPER COOLING AIR FLOW.
- EXHAUST SYSTEM MAXIMUM BACK PRESSURE = 10" H2O (ADDITIONAL).
- INSTALL EXHAUST BLANKETS ALONG THIS LINE.
- CONNECT THE OPEN SET EXHAUST PER NFPA 37
- BLANKETS SHOULD NOT COVER OXYGEN SENSOR.
- OXYGEN SENSOR (IF EQUIPPED) MUST BE MOUNTED BETWEEN ENGINE OUTLET AND CATALYST INLET IN PORT PROVIDED.
- CATALYST MUST BE MOUNTED IN DESCRIBED POSITION. FAILING TO FOLLOW THESE INSTRUCTIONS WHEN INSTALLING A CERTIFIED ENGINE IN A PIECE OF STATIONARY EQUIPMENT VIOLATES FEDERAL LAW 40CFR 1068.105(b), SUBJECT TO FINES OR PENALTIES AS DESCRIBED IN THE CLEAN AIR ACT.
- BOLTS OR STUDS USED TO MOUNT UNIT TO PAD SHALL BE 5/8 - 11 GRADE 5.

B

B

A

A



DRAWING CREATED FROM PRO/ENGINEER 3D FILE. ECO MODIFICATION TO BE APPLIED TO SOLID MODEL ONLY.

DIMENSIONS ARE IN MILLIMETERS [INCHES]

# INSTALLATION DRAWING

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ELECTRONICALLY APPROVED INSIDE WINDCHILL



TITLE				
OPEN SET G4.5L 60Hz SG50, SG60, SG70, SG80				
ISSUE DATE:				
SIZE	CAGE NO	DWG NO	REV	
B	N/A	A0000715598	C	
SCALE	0.035	WT-KG	SHEET	1 of 3

4

3

SH

2/3

REV

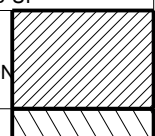
C

WINDCHILL VERSION

C.1

1

RECOMENDED ELECTRICAL STUB-UP  
 (HIGH VOLTAGE STUB-UP)  
 AC LOAD LEAD CONDUIT FOR  
 PERMANENT MAGNET EXCITATION  
 CONNECTION BOX  
 LOW VOLTAGE STUB-UP



B

B

A

A

1003  
[39.5]

906  
[35.7]

855  
[33.7]

10X  
 $\varnothing$  16.66  
 [.656]  
 MOUNTING HOLES  
 SEE NOTE 18

2360  
[92.9]

2X  
2162  
[85.1]

2X  
1622  
[63.8]

2X  
1081  
[42.6]

2X  
541  
[21.3]

2X  
99  
[3.9]

2X  
209  
[8.2]

LOW VOLTAGE  
 STUB-UP AREA  
 (SEE NOTE 3)

120  
[4.7]

292  
[11.5]

LOW VOLTAGE  
 STUB-UP AREA  
 SURFACE MOUNTED  
 (SEE NOTE 3)

2X  
377  
[14.9]

OPEN AREA  
FOR STUB-UP

593  
[23.4]

2X  
240  
[9.5]

2X  
120  
[4.7]

2X  
41  
[1.6]

2X  
52  
[2.0]

2X  
74  
[2.9]

OPEN AREA  
FOR STUB-UP

PRIMARY HIGH VOLTAGE  
STUB-UP AREA  
W/GLAND PLATE

PRIMARY CB CONNECTION  
BOX OPENING

SECONDARY CB CONNECTION  
BOX OPENING  
(OPTIONAL)

SECONDARY HIGH VOLTAGE  
STUB-UP AREA WITH GLAND PLATE  
(OPTIONAL)

375  
[14.8]

OPEN AREA  
FOR STUB-UP



TITLE

STUB-UP  
 G4.5L 60Hz  
 SG50, SG60, SG70, SG80

ISSUE DATE:

SIZE

B

CAGE NO

N/A

DWG NO

A0000715598

REV

C

SCALE

0.120

WT-KG

SHEET

2 of 3

DIMENSIONS ARE IN MILLIMETERS [INCHES]

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ELECTRONICALLY APPROVED  
 INSIDE WINDCHILL

# INSTALLATION DRAWING

4

3

2

1

OPEN SET

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG050, PG045	1PH	837 kg [1845 lbs.]	1393 [54.8]	462 [18.2]	530 [20.9]
SG060, PG054	1PH	872 kg [1923 lbs.]	1313 [51.7]		
SG070, SG080, PG072	1PH, 80KW UPSIZE	892 kg [1967 lbs.]	1272 [50.1]		
SG060, SG070	1PH, 100KW UPSIZE	935 kg [2061 lbs.]	1187 [46.7]		
SG080, PG072	1PH, 130KW UPSIZE	994 kg [2192 lbs.]	1079 [42.5]		
SG050, PG045	3PH	842 kg [1856 lbs.]	1379 [54.3]		
SG060, PG054	3PH	864 kg [1905 lbs.]	1329 [52.3]		
SG070, SG080, PG072	3PH, 80KW UPSIZE	897 kg [1978 lbs.]	1260 [49.6]		
SG060, SG070	3PH, 100KW UPSIZE	950 kg [2094 lbs.]	1157 [45.6]		
SG080, PG072	3PH, 130KW UPSIZE	1021 kg [2250 lbs.]	1033 [40.7]		

STD ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
1013 kg [2232 lbs.]	1395 [54.9]	462 [18.2]	534 [21.0]
1048 kg [2310 lbs.]	1330 [52.4]		
1068 kg [2353 lbs.]	1296 [51.0]		
1111 kg [2449 lbs.]	1226 [48.3]		
1170 kg [2580 lbs.]	1038 [44.8]		
1018 kg [2244 lbs.]	1383 [54.5]		
1040 kg [2293 lbs.]	1343 [52.9]		
1073 kg [2365 lbs.]	1286 [50.6]		
1126 kg [2483 lbs.]	1201 [47.3]		
1196 kg [2638 lbs.]	1098 [43.2]		

STD ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG050, PG045	1PH	1172 kg [2584 lbs.]	1382 [54.4]	462 [18.2]	535 [21.1]
SG060, PG054	1PH	1207 kg [2662 lbs.]	1327 [52.2]		
SG070, SG080, PG072	1PH, 80KW UPSIZE	1227 kg [2705 lbs.]	1299 [51.1]		
SG060, SG070	1PH, 100KW UPSIZE	1270 kg [2801 lbs.]	1240 [48.8]		
SG080, PG072	1PH, 130KW UPSIZE	1330 kg [2932 lbs.]	1166 [45.9]		
SG050, PG045	3PH	1177 kg [2596 lbs.]	1372 [54.0]		
SG060, PG054	3PH	1200 kg [2645 lbs.]	1337 [52.7]		
SG070, SG080, PG072	3PH, 80KW UPSIZE	1232 kg [2717 lbs.]	1290 [50.8]		
SG060, SG070	3PH, 100KW UPSIZE	1286 kg [2834 lbs.]	1219 [48.0]		
SG080, PG072	3PH 130KW UPSIZE	1356 kg [2989 lbs.]	1132 [44.6]		

L1A ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
1054 kg [2323 lbs.]	1391 [54.8]	462 [18.2]	534 [21.0]
1089 kg [2401 lbs.]	1329 [52.3]		
1109 kg [2444 lbs.]	1297 [51.1]		
1152 kg [2540 lbs.]	1230 [48.4]		
1211 kg [2671 lbs.]	1146 [45.1]		
1059 kg [2335 lbs.]	1380 [54.3]		
1081 kg [2384 lbs.]	1341 [52.8]		
1114 kg [2456 lbs.]	1287 [50.7]		
1167 kg [2573 lbs.]	1206 [47.5]		
1238 kg [2729 lbs.]	1108 [43.6]		

L1A ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG050, PG045	1PH	1213 kg [2675 lbs.]	1379 [54.3]	462 [18.2]	536 [21.1]
SG060, PG054	1PH	1249 kg [2753 lbs.]	1327 [52.2]		
SG070, SG080, PG072	1PH, 80KW UPSIZE	1268 kg [2796 lbs.]	1299 [51.1]		
SG060, SG070	1PH, 100KW UPSIZE	1312 kg [2891 lbs.]	1243 [48.9]		
SG080, PG072	1PH, 130KW UPSIZE	1371 kg [3022 lbs.]	1172 [46.1]		
SG050, PG045	3PH	1219 kg [2687 lbs.]	1369 [53.9]		
SG060, PG054	3PH	1241 kg [2735 lbs.]	1336 [52.6]		
SG070, SG080, PG072	3PH, 80KW UPSIZE	1274 kg [2808 lbs.]	1291 [50.8]		
SG060, SG070	3PH, 100KW UPSIZE	1327 kg [2925 lbs.]	1223 [48.1]		
SG080, PG072	3PH, 130KW UPSIZE	1397 kg [3080 lbs.]	1139 [44.8]		

L2A ENCLOSURE, ALUMINUM

WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
1079 kg [2380 lbs.]	1389 [54.7]	462 [18.2]	537 [21.1]
1115 kg [2458 lbs.]	1329 [52.3]		
1135 kg [2502 lbs.]	1297 [51.1]		
1178 kg [2596 lbs.]	1232 [48.5]		
1237 kg [2727 lbs.]	1150 [45.3]		
1085 kg [2391 lbs.]	1378 [54.3]		
1107 kg [2440 lbs.]	1340 [52.8]		
1140 kg [2513 lbs.]	1288 [50.7]		
1193 kg [2630 lbs.]	1209 [47.6]		
1263 kg [2785 lbs.]	1113 [43.8]		

L2A ENCLOSURE, STEEL

MODEL	VOLTAGE	WEIGHT	CENTER OF GRAVITY DIM X	CENTER OF GRAVITY DIM Y	CENTER OF GRAVITY DIM Z
SG050, PG045	1PH	1249 kg [2753 lbs.]	1377 [54.2]	462 [18.2]	540 [21.2]
SG060, PG054	1PH	1284 kg [2831 lbs.]	1326 [52.2]		
SG070, SG080, PG072	1PH, 80KW UPSIZE	1304 kg [2874 lbs.]	1300 [51.2]		
SG060, SG070	1PH, 100KW UPSIZE	1347 kg [2969 lbs.]	1245 [49.0]		
SG080, PG072	1PH, 130KW UPSIZE	1406 kg [3100 lbs.]	1177 [46.3]		
SG050, PG045	3PH	1254 kg [2765 lbs.]	1367 [53.8]		
SG060, PG054	3PH	1276 kg [2814 lbs.]	1336 [52.6]		
SG070, SG080, PG072	3PH, 80KW UPSIZE	1309 kg [2886 lbs.]	1291 [50.8]		
SG060, SG070	3PH, 100KW UPSIZE	1362 kg [3003 lbs.]	1226 [48.3]		
SG080, PG072	3PH, 130KW UPSIZE	1433 kg [3158 lbs.]	1145 [45.1]		

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TITLE WEIGHT AND CENTER OF GRAVITY G4.5L 60Hz SG50, SG60, SG70, SG80

ISSUE DATE:			
SIZE B	CAGE NO N/A	DWG NO A0000715598	REV C
SCALE 0.035	WT-KG	SHEET 3 of 3	

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INSTALLATION DRAWING