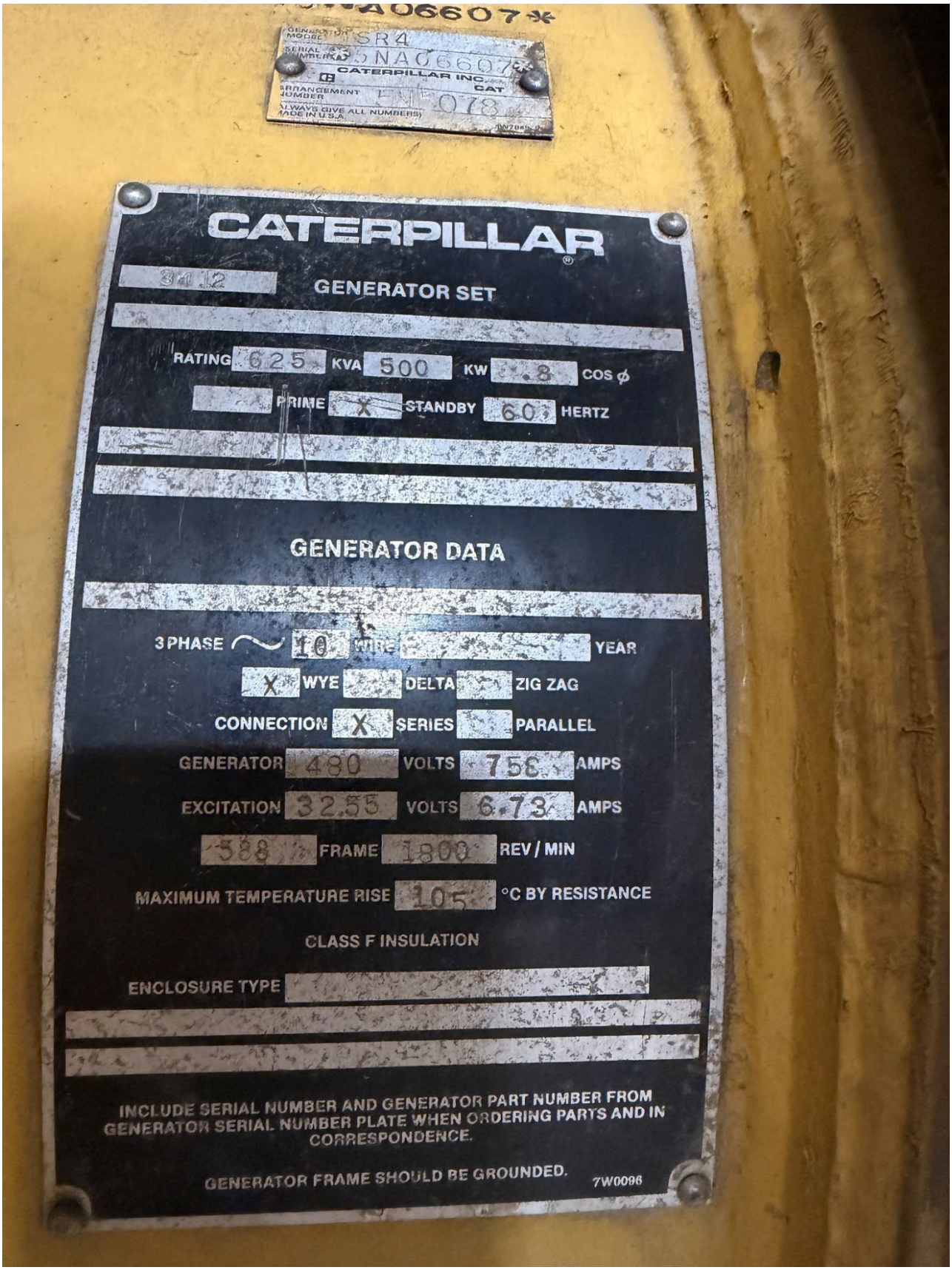
Generator 4


A06607*
SR4
CATERPILLAR INC.
CAT
078
CATERPILLAR
3412
GENERATOR SET
RATING 625 KVA 500 KW .8 COS ϕ
PRIME X STANDBY 60 HERTZ
GENERATOR DATA
3 PHASE 10 WIRE YEAR
X WYE DELTA ZIG ZAG
CONNECTION X SERIES PARALLEL
GENERATOR 480 VOLTS 758 AMPS
EXCITATION 32.55 VOLTS 6.73 AMPS
588 FRAME 1800 REV / MIN
MAXIMUM TEMPERATURE RISE 105 °C BY RESISTANCE
CLASS F INSULATION
ENCLOSURE TYPE
INCLUDE SERIAL NUMBER AND GENERATOR PART NUMBER FROM GENERATOR SERIAL NUMBER PLATE WHEN ORDERING PARTS AND IN CORRESPONDENCE.
GENERATOR FRAME SHOULD BE GROUNDED.
7W0096

Generator 8

GENERATOR MODEL: SR4
SERIAL NUMBER: CER00862
COMPLIES WITH: BS5000; PART 3 NEMA MG1-22 IEC 34-1 ISO 8528-3
CATERPILLAR®
ARRANGEMENT NUMBER: 194-4583
MADE IN: USA
AW-7849 4

CATERPILLAR®

STATIONARY ENGINE GENERATOR ASSEMBLY

ENGINE MODEL 3456

c UL US LISTED

YEAR 2004 29NN

625 kVA 500 kW 0.8 COS Ø 60 HERTZ

PRIME X STANDBY CONTINUOUS

GENERATOR DATA

GENERATOR DATA DESCRIPTION

3 PHASE ~	12	WIRE		
	X	WYE		DELTA
	X	SERIES		PARALLEL
GENERATOR	480	VOLTS	752	AMPS
EXCITATION	72	VOLTS	13.4	AMPS
	499	FRAME	1800	REV/MIN

MAXIMUM TEMPERATURE RISE 105 ° C BY RESISTANCE

40 ° C AMBIENT 1000 METERS ALTITUDE

CLASS F INSULATION

ENCLOSURE TYPE

INCLUDE SERIAL NUMBER AND GENERATOR PART NUMBER FROM GENERATOR SERIAL NUMBER PLATE WHEN ORDERING PARTS AND IN CORRESPONDENCE.

GEN S/N: CER00862 MANUFACTURED

ESO: BCNZX GRIFFIN, GA 118-8452 2

Generator 9

CATERPILLAR®
GENERATOR SET
US LISTED
29NN
FILE AU3508
Engine Model C9 Year 2010
313 kVA 250 kW .8 COS ∅ 60 Hertz
Prime X Standby Continuous
WITH FAN RATING
Generator Data
Generator Data Description
3 Phase ~ 12 Wire
X Wye Delta
Series X Parallel
Generator 480 Volts 376.49 Amps
Sub-Transient X"D .0997 Per Unit .0138 Ohms
Transient X'D .1669 Per Unit .0231 Ohms
Excitation 36 Volts 3.4 Amps
50J Frame 1800 Rev/Min
Maximum Temperature Rise 130 °C By Resistance
40 °C Ambient 1000 Meters Altitude
Class H Insulation
Enclosure Type:
Include Serial Number and Generator Part Number from generator serial number plate when ordering parts and in correspondence.
Gen S/N : G5A04041 ESO: FCHDS
Manufactured In: GRIFFIN, GA

Generator 10

CATERPILLAR®

Caterpillar Inc.
100 N.E. Adams Street
Peoria, IL 61629 USA

GENERATOR SET (ISO 8528)

GENERATOR SET SALES DESCRIPTION		
ENGINE MODEL	C27	
GENERATOR MODEL		
GENERATOR SET S/N	2A300654	
SALES ORDER REFERENCE	SWZDB	
DATE OF MANUFACTURE	08 2019	
DUTY	STANDBY	
RATED POWER	1000	kVA
	800	kW

GENERATOR DATA DESCRIPTION

RATED VOLTAGE	480	V
PHASE	3	
WIRE	12	LEAD
POWER FACTOR	.8	COS Ø
RATED FREQUENCY	60	Hz
RATED CURRENT	1203	A
RATED RPM	1800	RPM
GENERATOR CONNECTION	WYE	
CONNECTION CONFIGURATION	SERIES	
INSULATION CLASS	H	
SUB-TRANSIENT REACTANCE X"d	.1094	PER UNIT
	.0252	OHMS
TRANSIENT REACTANCE X'd	.1354	PER UNIT
	.0312	OHMS
SYNCHRONOUS REACTANCE	2.8802	PER UNIT
	.6636	OHMS
ZERO SEQUENCE REACTANCE	.0095	PER UNIT
	.0022	OHMS
EXCITATION VOLTAGE	45	VOLTS
EXCITATION CURRENT	3.1	AMPS
FRAME	1268	
ALTITUDE	1000	M
NEMA TEMPERATURE RISE	125	°C BY RESISTANCE
NEMA AMBIENT TEMPERATURE	40	°C

GENERATOR OVERLOAD PROTECTED BY INHERENT DESIGN

GENERATOR S/N	GDG00623
MADE IN	GRIFFIN, GA, USA

FMT 2300 fulfills 118-8452

GENERATOR MODEL
SERIAL NUMBER *GDG
ARRANGEMENT NUMBER 38
ASSEMBLED IN:

CAT®
GENERATO
GENERATO

WARNING

Generator 11

CATERPILLAR®

Caterpillar Inc.
100 N.E. Adams Street
Peoria, IL 61629 USA

GENERATOR SET (ISO 8528)

GENERATOR SET SALES DESCRIPTION		
ENGINE MODEL	C13	
GENERATOR MODEL	400	
GENERATOR SET S/N	CAT00C13TT3200659	
SALES ORDER REFERENCE	SWZKR	
DATE OF MANUFACTURE	8 2019	
DUTY	STANDBY	
RATED POWER	500 kVA 400 kW	

GENERATOR DATA DESCRIPTION

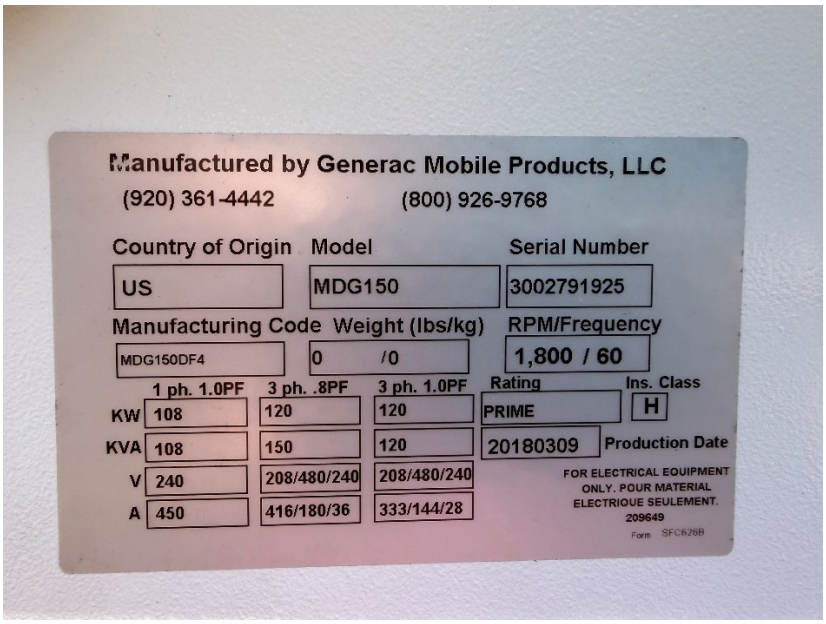
RATED VOLTAGE	480	V
PHASE	3	
WIRE	12	LEAD
POWER FACTOR	0.8	COS Ø
RATED FREQUENCY	60	Hz
RATED CURRENT	601	A
RATED RPM	1800	RPM
GENERATOR CONNECTION	WYE	
CONNECTION CONFIGURATION	SERIES	
INSULATION CLASS	H	
SUB-TRANSIENT REACTANCE X"d	0.0922 0.0425	PER UNIT OHMS
TRANSIENT REACTANCE X'd	0.1324 0.061	PER UNIT OHMS
SYNCHRONOUS REACTANCE	2.5571 1.1783	PER UNIT OHMS
ZERO SEQUENCE REACTANCE	0.008 0.0037	PER UNIT OHMS
EXCITATION VOLTAGE	38.32	VOLTS
EXCITATION CURRENT	3.09	AMPS
FRAME	6114F	
ALTITUDE	1,000.0	M
NEMA TEMPERATURE RISE	105	°C BY RESISTANCE
NEMA AMBIENT TEMPERATURE	40	°C

GENERATOR OVERLOAD PROTECTED BY INHERENT DESIGN

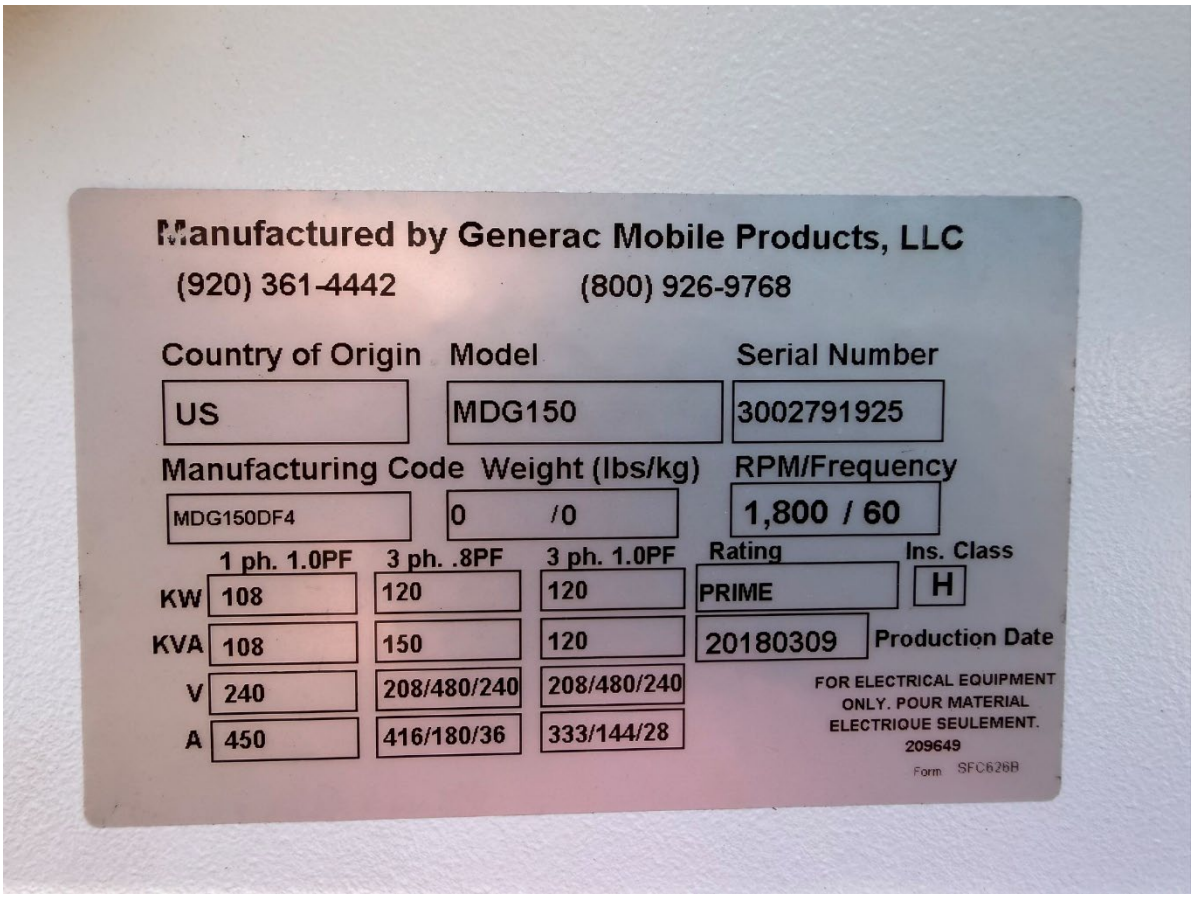
GENERATOR S/N	G6B25564
MADE IN	SEGUIN, TX, USA

FMT 2300 fulfills 118-8452

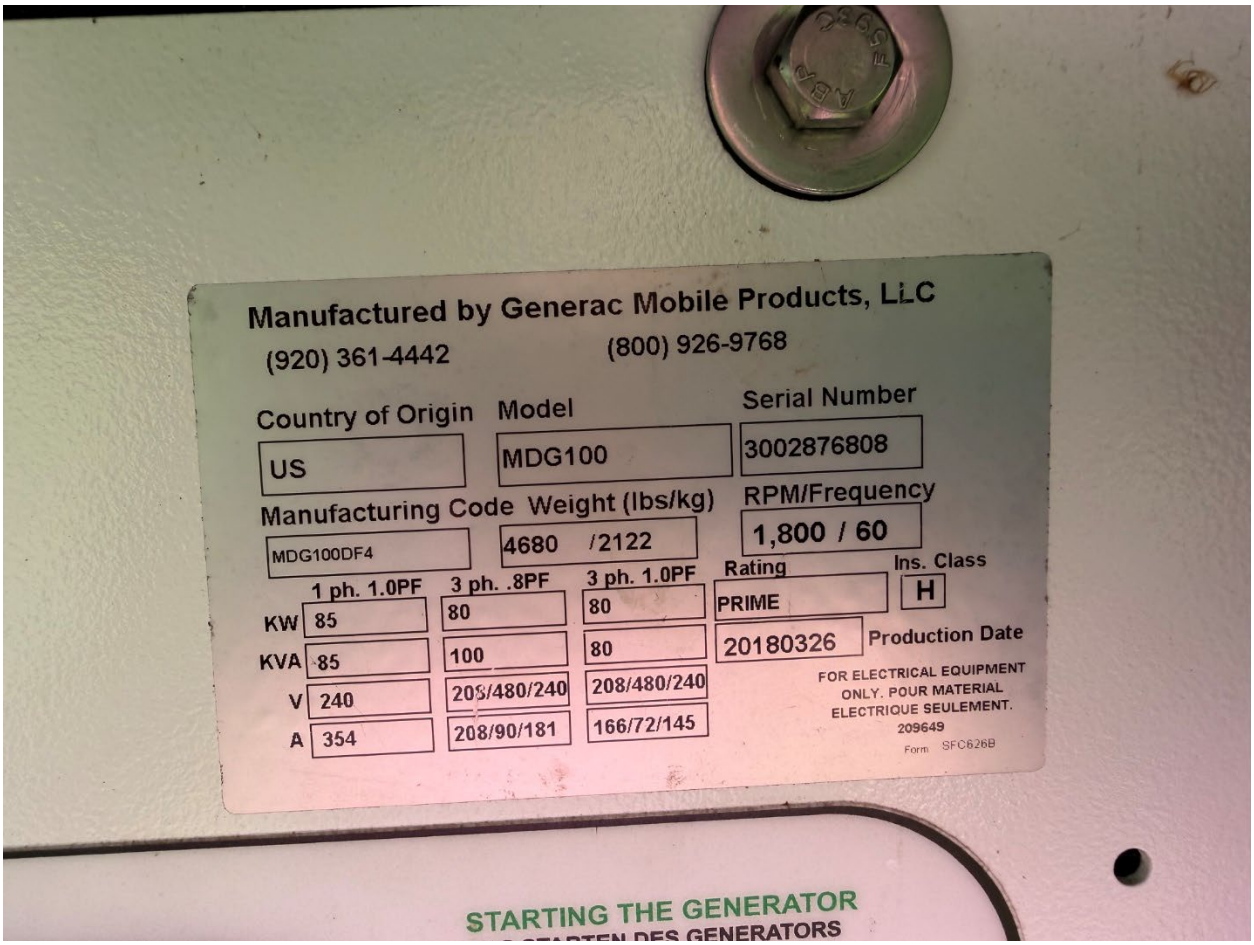
Generator P1 (incorrectly labeled as P5 in the photo below)



Generator P3



Generator P4



Manufactured by Generac Mobile Products, LLC

(920) 361-4442 (800) 926-9768

Country of Origin	Model	Serial Number
US	MDG100	3002876808

Manufacturing Code	Weight (lbs/kg)	RPM/Frequency
MDG100DF4	4680 /2122	1,800 / 60

Rating	Ins. Class
PRIME	H

	1 ph. 1.0PF	3 ph. .8PF	3 ph. 1.0PF
KW	85	80	80
KVA	85	100	80
V	240	208/480/240	208/480/240
A	354	208/90/181	166/72/145

20180326 Production Date

FOR ELECTRICAL EQUIPMENT ONLY. POUR MATERIAL ELECTRIQUE SEULEMENT.

209649

Form: SFC626B

STARTING THE GENERATOR

DES GENERATORS

Generator G5

CATERPILLAR®

XQ570 - C18 GENERATOR SET

6134G FRAME 3 PHASE ~ 12 WIRE

GENERATOR DATA

RATING	569	KVA	455	KW PRIME	
0.8	COS Ø	60	HERTZ	1800	REV/MIN
SERIES CONNECTION	480	VOLTS	684	AMPS	
SUB-TRANSIENT X"d	.1108	PER UNIT	.0449	OHMS	
TRANSIENT X'd	.1575	PER UNIT	.0638	OHMS	
SERIES CONNECTION	440	VOLTS	746	AMPS	
SUB-TRANSIENT X"d	.1319	PER UNIT	.0449	OHMS	
TRANSIENT X'd	.1874	PER UNIT	.0638	OHMS	
PARALLEL CONNECTION	240	VOLTS	1368	AMPS	
SUB-TRANSIENT X"d	.1106	PER UNIT	.0112	OHMS	
TRANSIENT X'd	.1580	PER UNIT	.0160	OHMS	
PARALLEL CONNECTION	208	VOLTS	1579	AMPS	
SUB-TRANSIENT X"d	.1472	PER UNIT	.0112	OHMS	
TRANSIENT X'd	.2103	PER UNIT	.0160	OHMS	
SINGLE PHASE TAP	120	VOLTS	60	AMPS	
EXCITATION	39	VOLTS	3.2	AMPS	
MAXIMUM TEMPERATURE RISE	105	°C BY RESISTANCE			

CLASS H INSULATION 40°C AMBIENT

INCLUDE SERIAL NUMBER AND GENERATOR PART NUMBER FROM GENERATOR SERIAL NUMBER PLATE WHEN ORDERING PARTS AND IN CORRESPONDENCE.

INSTALLATION MUST CONFORM TO LOCAL ELECTRICAL CODES. GENERATOR FRAME SHOULD BE GROUNDED.

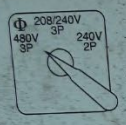
475-5914

Generator P6 – Bangor

Generator P7 – Lewiston

Generator P8

G40
CAPACITY DIAGRAM

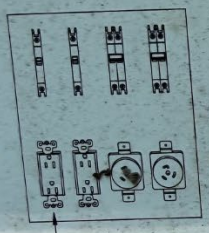


"HI – WYE"

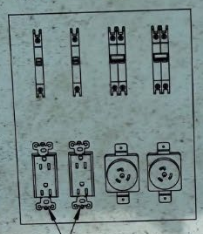
"LOW – WYE"

"ZIG–ZAG"

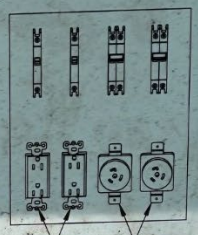
SINGLE PHASE
(1.0 POWER FACTOR)



120 VOLTS
2.4 KVA
20 AMPS



120 VOLTS
2.4 KVA
20 AMPS

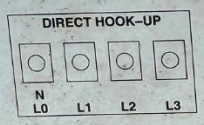


120 VOLTS
2.4 KVA
20 AMPS

240 VOLTS
12 KVA
50 AMPS

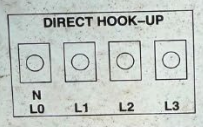
SINGLE PHASE DIRECT HOOK–UP
(0.8 POWER FACTOR)

DIRECT HOOK–UP



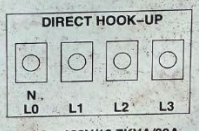
L1–L0 – 277V/11.9KVA/43A
L2–L0 – 277V/11.9KVA/43A
L3–L0 – 277V/11.9KVA/43A
L1–L2 – 480V/20.6KVA/43A
L2–L3 – 480V/20.6KVA/43A
L3–L1 – 480V/20.6KVA/43A

DIRECT HOOK–UP



L1–L0 – 120V/12.0KVA/100A
L2–L0 – 120V/12.0KVA/100A
L3–L0 – 120V/12.0KVA/100A
L1–L2 – 208V/20.8KVA/100A
L2–L3 – 208V/20.8KVA/100A
L3–L1 – 208V/20.8KVA/100A
L1–L2 – 240V/20.9KVA/87A
L2–L3 – 240V/20.9KVA/87A
L3–L1 – 240V/20.9KVA/87A

DIRECT HOOK–UP

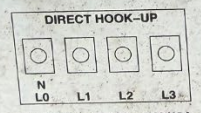


L1–L0 – 120V/10.7KVA/89A
L2–L0 – 120V/10.7KVA/89A
L3–L0 – N/A
L1–L2 – 240V/21.4KVA/89A

NEVER LOAD MORE
THAN 21KVA TOTAL

THREE PHASE
(0.8 POWER FACTOR)

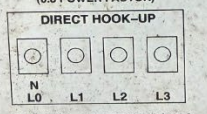
DIRECT HOOK–UP



L1–L2–L3 – 480V/36KVA/43A

NEVER LOAD MORE
THAN 36KVA TOTAL

DIRECT HOOK–UP



L1–L2–L3 – 208V/36KVA/100A

NEVER LOAD MORE
THAN 36KVA TOTAL

22646764 REV. B

DO N

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WILL

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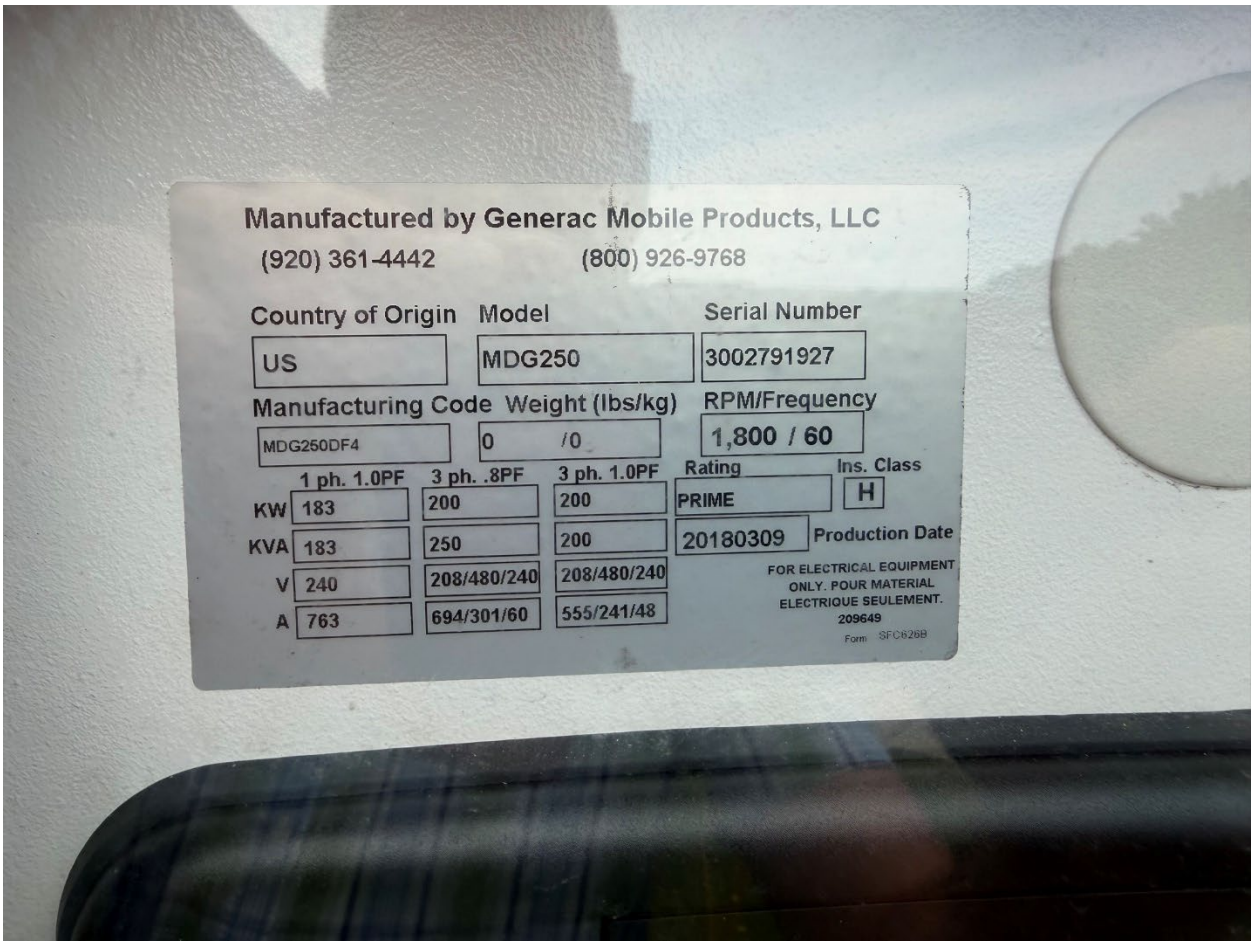
electro
other e

Generator P6 – Bangor



Manufactured by Generac Mobile Products, LLC

(920) 361-4442 (800) 926-9768

Country of Origin	Model	Serial Number
US	MDG250	3002791927

Manufacturing Code	Weight (lbs/kg)	RPM/Frequency
MDG250DF4	0 /0	1,800 / 60

	1 ph. 1.0PF	3 ph. .8PF	3 ph. 1.0PF	Rating	Ins. Class
KW	183	200	200	PRIME	H
KVA	183	250	200	20180309	Production Date
V	240	208/480/240	208/480/240		
A	763	694/301/60	555/241/48		

FOR ELECTRICAL EQUIPMENT ONLY. POUR MATERIAL ELECTRIQUE SEULEMENT.

209649

Form SFC626B

Generator P7 – Lewiston

CATERPILLAR®

XQ570 - C18 GENERATOR SET

6134G FRAME 3 PHASE ~ 12 WIRE

GENERATOR DATA

RATING	569	KVA	455	KW PRIME	
0.8	COS Ø	60	HERTZ	1800	REV/MIN
SERIES CONNECTION	480	VOLTS	684	AMPS	
SUB-TRANSIENT X"d	.1108	PER UNIT	.0449	OHMS	
TRANSIENT X'd	.1575	PER UNIT	.0638	OHMS	
SERIES CONNECTION	440	VOLTS	746	AMPS	
SUB-TRANSIENT X"d	.1319	PER UNIT	.0449	OHMS	
TRANSIENT X'd	.1874	PER UNIT	.0638	OHMS	
PARALLEL CONNECTION	240	VOLTS	1368	AMPS	
SUB-TRANSIENT X"d	.1106	PER UNIT	.0112	OHMS	
TRANSIENT X'd	.1580	PER UNIT	.0160	OHMS	
PARALLEL CONNECTION	208	VOLTS	1579	AMPS	
SUB-TRANSIENT X"d	.1472	PER UNIT	.0112	OHMS	
TRANSIENT X'd	.2103	PER UNIT	.0160	OHMS	
SINGLE PHASE TAP	120	VOLTS	60	AMPS	
EXCITATION	39	VOLTS	3.2	AMPS	
MAXIMUM TEMPERATURE RISE	105	°C BY RESISTANCE			

CLASS H INSULATION 40°C AMBIENT

INCLUDE SERIAL NUMBER AND GENERATOR PART NUMBER FROM GENERATOR SERIAL NUMBER PLATE WHEN ORDERING PARTS AND IN CORRESPONDENCE.

INSTALLATION MUST CONFORM TO LOCAL ELECTRICAL CODES. GENERATOR FRAME SHOULD BE GROUNDED.

475-5914