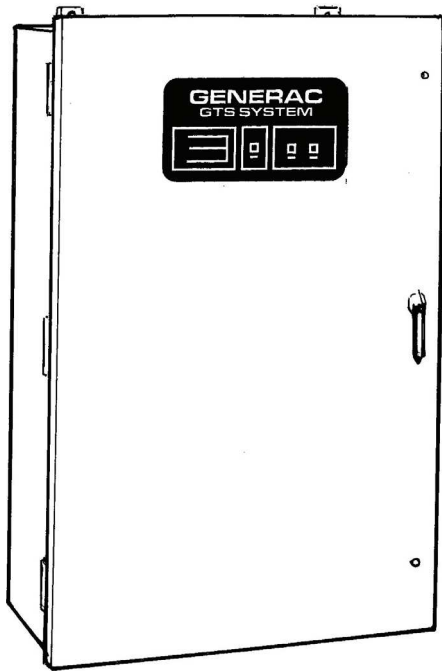


**100 - 400 Amps,  
600 VAC**

## Automatic Transfer Switches



- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 2, 3, and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

### **Standard Features**

- Single coil design, electrically operated and mechanically held
- Programmable exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 1 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

### **Optional Accessories**

- NEMA 12 enclosure
- NEMA 3R enclosure
- NEMA 4 & 4X enclosure
- Exterior AC meter package
- Controls accessible through door in door design on NEMA type 3R and 4 enclosures – key lock provided on access door
- 4-pole design for neutral isolation
- Two (2) sets of auxiliary contacts
- Preferred source selector switch
- Manual 3 position selector switch
- Remote automatic control circuit
- Signal before transfer contacts
- Return to normal timer bypass

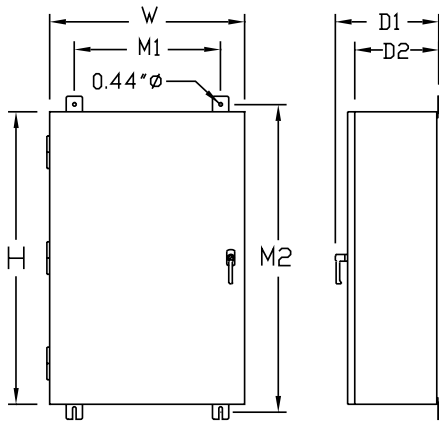
# GTS Control Systems

LOGIC CONTROL w / Inphase Monitor	
Utility Voltage	
Dropout .....	75-95% (Adj.)
Pickup .....	85-95% (Adj.)
Line Interrupt .....	0.1-10 Sec. (Adj.)
Engine Minimum Run .....	5-30 Min. (Adj.)
Engine Warmup.....	5 Sec.-3 Min. (Adj.)
Return to Utility .....	1-30 Min. (Adj.)
Engine Cooldown .....	1-30 Min. (Adj.)
Standby Voltage .....	85-95% (Adj.)
Standby Frequency.....	80-90% (Adj.)
Time Delay Neutral.....	0.1-10 Sec. (Adj.)
Transfer on Exercise.....	On/Off Switch
Warmup Timer Bypass.....	On/Off Switch
Time Delay Neutral Bypass.....	On/Off Switch
Inphase Monitor.....	On/Off Switch

## Withstand Current - 600 Volt GTS Series

GTS Rated Amps	100	150	200	300	400
<b>FUSE PROTECTED</b>					
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000	200,000	200,000
Maximum Fuse Size – Amps	200	400	400	600	600
Fuse Class	J,T	J,T	J,T	J,T	J,T
<b>CIRCUIT BREAKER PROTECTED (See separate sheet for specific circuit breakers)</b>					
Maximum RMS Symmetrical Fault Current – Amps	14,000	25,000	25,000	35,000	35,000
Protective Device Continuous Rating (Max) – Amps	150	300	300	600	600

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



## Unit Dimensions

GTS Rated Amps	Voltage	Enclosure Height	Enclosure Width	Wall Mount Bolt Pattern		Enclosure Depth		Weight (lbs.)
		H	W	M1	M2	D1	D2	
100	All	36	24	18	37.5	12.7	10	180
150-200	120/240	36	24	18	37.5	12.7	10	185
150-200	120/208	36	24	18	37.5	12.7	10	185
150-200	277/480	48*	30*	24	49.5	14.8	12	265
150-200	600	48*	30*	24	49.5	14.8	12	265
300-400	120/240	36	24	18	37.5	12.7	10	245
300-400	120/208	36	24	18	37.5	12.7	10	245
300-400	277/480	48*	30*	24	49.5	14.8	12	325
300-400	600	48*	30*	24	49.5	14.8	12	325

\* Note: On NEMA 1 enclosures only, door overlaps enclosure – door dimensions are 48.8 H X 30.8 W. All dimensions in inches.

## Terminal Lug Wire Ranges

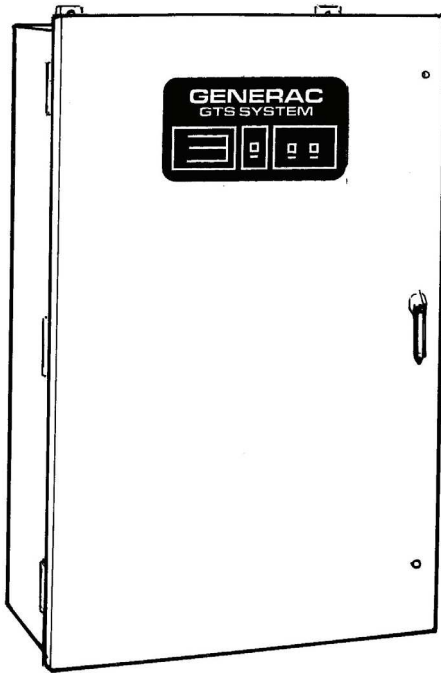
GTS RATED AMPS	CONTACTOR TERMINALS (1 LUG PER POLE) LUG WIRE RANGE	NEUTRAL BAR*		GROUND LUG (1 PROVIDED) LUG WIRE RANGE
		# LUGS	LUG WIRE RANGE	
100	2/0 – 14 AWG	4	2/0 – 14 AWG	2/0 – 14 AWG
150	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
200	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
300	600MCM – 4 AWG	4	600MCM – 4 AWG	350MCM – 6 AWG
	or 2 – [250MCM – 1/0 AWG]		[250MCM – 1/0 AWG]**	350MCM – 6 AWG
400	600MCM – 4 AWG	4	600MCM – 4 AWG	350MCM – 6 AWG
	or 2 – [250MCM – 1/0 AWG]		[250MCM – 1/0 AWG]**	

\* Not included in GTS with switched neutral. \*\* Allowable wire range in brackets is for 2 wires per lug.

**100 - 400 Amps,  
600 VAC**

## Automatic Transfer Switches

**Type WN Load Shed Capable**



- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 3 and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

### **Standard Features**

- Electrically operated and mechanically held
- Programmable exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 1 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

### **Optional Accessories**

- NEMA 12 enclosure
- NEMA 3R enclosure
- NEMA 4 & 4X enclosure
- Exterior AC meter package
- Controls accessible through door in door design on NEMA type 3R and 4X enclosures – key lock provided on access door
- "Trip to Neutral" with mechanical latch for load shedding or sequencing applications
- "Permissive" switch for MPS applications to prevent transfer until adequate power capacity is obtained
- 4-pole design for neutral isolation
- Two (2) sets of auxiliary contacts
- Preferred source selector switch
- Remote automatic start-stop control circuit
- Signal before transfer contacts
- Return to normal timer bypass

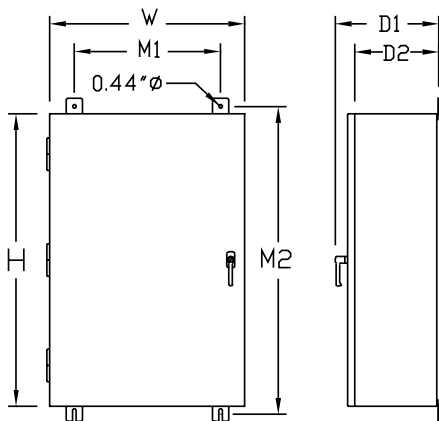
# GTS Control Systems

LOGIC CONTROL w / Inphase Monitor	
Utility Voltage	
Dropout .....	75-95% (Adj.)
Pickup .....	85-95% (Adj.)
Line Interrupt .....	0.1-10 Sec. (Adj.)
Engine Minimum Run .....	5-30 Min. (Adj.)
Engine Warmup.....	5 Sec.-3 Min. (Adj.)
Return to Utility .....	1-30 Min. (Adj.)
Engine Cooldown .....	1-30 Min. (Adj.)
Standby Voltage .....	85-95% (Adj.)
Standby Frequency.....	80-90% (Adj.)
Time Delay Neutral.....	0.1-10 Sec. (Adj.)
Transfer on Exercise.....	On/Off Switch
Warmup Timer Bypass.....	On/Off Switch
Time Delay Neutral Bypass.....	On/Off Switch
Inphase Monitor .....	On/Off Switch

## Withstand Current - 600 Volt GTS Series

GTS Rated Amps	100	150	200	300	400
<b>FUSE PROTECTED</b>					
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000	200,000	200,000
Maximum Fuse Size – Amps	200	400	400	600	600
Fuse Class	J,T	J,T	J,T	J,T	J,T
<b>CIRCUIT BREAKER PROTECTED (See separate sheet for specific circuit breakers)</b>					
Maximum RMS Symmetrical Fault Current – Amps	14,000	25,000	25,000	35,000	35,000
Protective Device Continuous Rating (Max) – Amps	150	300	300	600	600

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



## Unit Dimensions

GTS Rated Amps	Voltage	Enclosure Height	Enclosure Width	Wall Mount Bolt Pattern		Enclosure Depth		Weight (lbs.)
		H	W	M1	M2	D1	D2	
100	All	36	24	18	37.5	12.7	10	180
150-200	120/240	36	24	18	37.5	12.7	10	185
150-200	120/208	36	24	18	37.5	12.7	10	185
150-200	277/480	48*	30*	24	49.5	14.8	12	265
150-200	600	48*	30*	24	49.5	14.8	12	265
300-400	120/240	36	24	18	37.5	12.7	10	245
300-400	120/208	36	24	18	37.5	12.7	10	245
300-400	277/480	48*	30*	24	49.5	14.8	12	325
300-400	600	48*	30*	24	49.5	14.8	12	325

\* Note: On NEMA 1 enclosures only, door overlaps enclosure – door dimensions are 48.8 H X 30.8 W. All dimensions in inches.

## Terminal Lug Wire Ranges

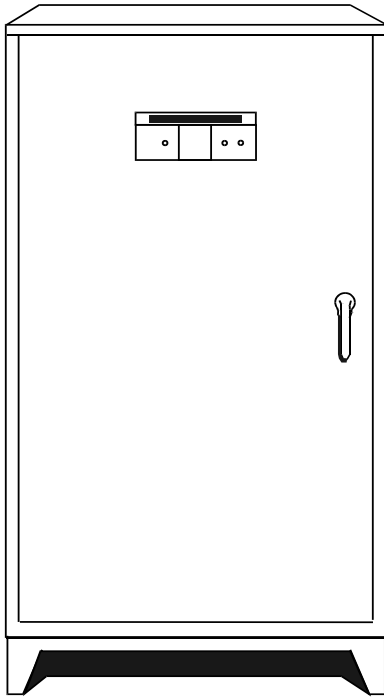
GTS Rated Amps	Contactor Terminals (1 Lug Per Pole)	# Lugs	Neutral Bar	Ground Lug (1 Provided)
	Lug Wire Range		Lug Wire Range	Lug Wire Range
100	2/0 – 14 AWG	4	2/0 – 14 AWG	2/0 – 14 AWG
150	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
200	400MCM – 4 AWG	4	350MCM – 6 AWG	350MCM – 6 AWG
300	600MCM – 4 AWG	4	600MCM – 4 AWG	350MCM – 6 AWG
400	[250MCM – 1/0 AWG] **	4	[250MCM – 1/0 AWG]**	350MCM – 6 AWG
	600MCM – 4 AWG		600MCM – 4 AWG	350MCM – 6 AWG
	[250MCM – 1/0 AWG]		[250MCM – 1/0 AWG]**	

\*\* Allowable wire range in brackets [ ] is for 2 conductors per lug

**600 - 1000 Amps,  
600 VAC**

## Automatic Transfer Switches

**Type WN Load Shed Capable**



- **Standard time delay neutral will reduce switchover problems.**
- **Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.**
- **Control switches located on the front of the door for ease of operation.**
- **All switches are UL 1008 listed and CSA certified.**
- **Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.**
- **Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.**
- **3 and 4 Pole 600 VAC contactors.**
- **160 millisecond transfer time.**

### **Standard Features**

- Electrically operated and mechanically held
- Weekly exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 12 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

### **Optional Accessories**

- NEMA 3R, 4 & 4X enclosure
- Exterior AC meter package
- 4-pole design for neutral isolation
- Remote automatic start-stop control circuit
- Signal before transfer contacts
- Return to normal timer bypass
- "Trip to Neutral" with mechanical latch for load shedding or sequencing applications
- "Permissive" switch for MPS applications to prevent transfer until adequate power capacity is obtained
- Two (2) sets of auxiliary contacts
- Preferred source selector switch

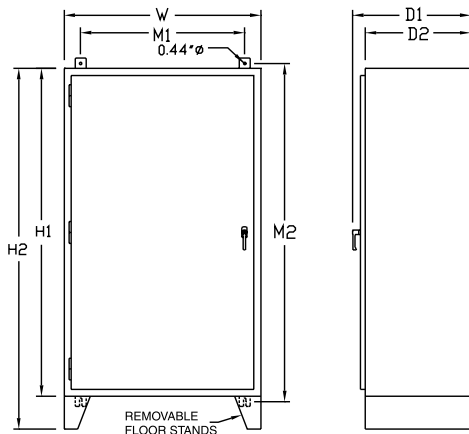
## GTS Control Systems

LOGIC CONTROL w / Inphase Monitor	
Utility Voltage	
Dropout .....	75-95% (Adj.)
Pickup .....	85-95% (Adj.)
Line Interrupt .....	0.1-10 Sec. (Adj.)
Engine Minimum Run .....	5-30 Min. (Adj.)
Engine Warmup .....	5 Sec.-3 Min. (Adj.)
Return to Utility .....	1-30 Min. (Adj.)
Engine Cooldown .....	1-30 Min. (Adj.)
Standby Voltage .....	85-95% (Adj.)
Standby Frequency .....	80-90% (Adj.)
Time Delay Neutral .....	0.1-10 Sec. (Adj.)
Transfer on Exercise .....	On/Off Switch
Warmup Timer Bypass .....	On/Off Switch
Time Delay Neutral Bypass .....	On/Off Switch
Inphase Monitor .....	On/Off Switch

## Withstand Current - 600 Volt GTS Series

GTS Rated Amps	600	800	1000
<b>FUSE PROTECTED</b>			
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000
Maximum Fuse Size – Amps	800	1200	1600
Fuse Class	L,T	L	L
<b>CIRCUIT BREAKER PROTECTED (See separate sheet for specific circuit breakers)</b>			
Maximum RMS Symmetrical Fault Current – Amps	42,000	65,000	65,000
Protective Device Continuous Rating (Max) – Amps	750	1250	1250

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



## Unit Dimensions

GTS Rated Amps	Enclosure Height		Enclosure Width	Wall Mount Bolt Pattern		Enclosure Depth		Weight (lbs.)
	H1	H2	W	M1	M2	D1	D2	
600	60	66	36	30	62	23.5	20	650
800	60	66	36	30	62	23.5	20	700
1000	60	66	36	30	62	23.5	20	700

All dimensions in inches.

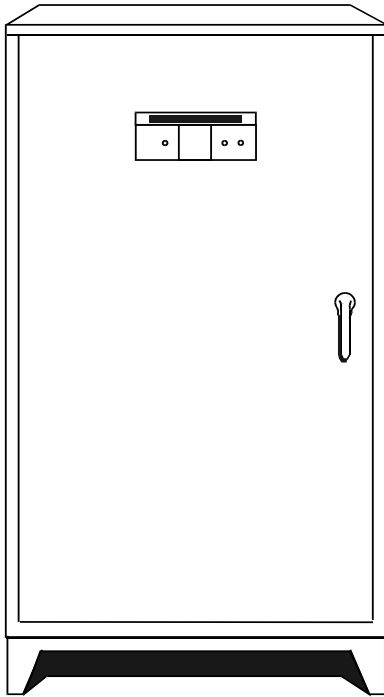
## Terminal Lug Wire Ranges

GTS Rated Amps	Contactor Terminals		Neutral Bar		Ground Lug (1 Provided)
	# Lugs per Pole	Lug Wire Range	# Lugs	Lug Wire Range	Lug Wire Range
600	2	500MCM – 1 AWG	8	750MCM – 1/0 AWG	350MCM – 6 AWG
800	4	500MCM – 4/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG
1000	4	500MCM – 4/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG

**1200 - 2600 Amps,  
600 VAC**

## Automatic Transfer Switches

**Type WN Load Shed Capable**



- Standard time delay neutral will reduce switchover problems.
- Logic control with inphase monitor regulates switch functions and allows adjustable switch settings with LED indicators.
- Control switches located on the front of the door for ease of operation.
- All switches are UL 1008 listed and CSA certified.
- Electrically-operated, mechanically-held and interlocked main contacts with break before make design for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive with no derations.
- 2, 3, and 4 Pole 600 VAC contactors.
- 160 millisecond transfer time.

### **Standard Features**

- Electrically operated and mechanically held
- Weekly exerciser
- SPDT auxiliary contacts
- Main contacts are silver alloy to resist welding and sticking
- Conformal coating protects all printed circuit boards
- Indicating LED's for switch position—Normal, Emergency, and Standby Operating
- NEMA 12 enclosure with hinged door and key-locking handle
- Three-position switch—Fast Test, Auto, Normal Test
- Arc chutes on main contacts

### **Optional Accessories**

- NEMA 3R, 4 & 4X enclosure
- Exterior AC meter package
- 4-pole design for neutral isolation
- Remote automatic start-stop control circuit
- Signal before transfer contacts
- Return to normal timer bypass
- "Trip to Neutral" with mechanical latch for load shedding or sequencing applications
- "Permissive" switch for MPS applications to prevent transfer until adequate power capacity is obtained
- Two (2) sets of auxiliary contacts
- Preferred source selector switch

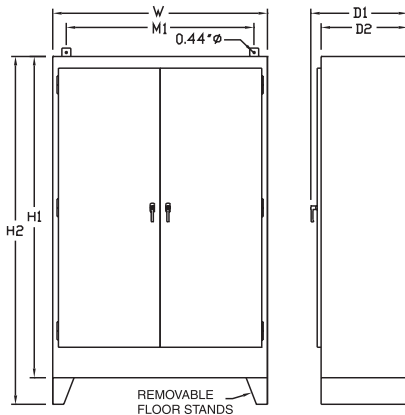
# GTS Control Systems

CPU CONTROL	LOGIC CONTROL w / Inphase Monitor
Utility Voltage	
Dropout .....	75-95% (Adj.)
Pickup .....	85-95% (Adj.)
Line Interrupt .....	0.1-10 Sec. (Adj.)
Engine Minimum Run .....	5-30 Min. (Adj.)
Engine Warmup.....	5 Sec.-3 Min. (Adj.)
Return to Utility .....	1-30 Min. (Adj.)
Engine Cooldown .....	1-30 Min. (Adj.)
Standby Voltage .....	85-95% (Adj.)
Standby Frequency.....	80-90% (Adj.)
Time Delay Neutral .....	0.1-10 Sec. (Adj.)
Transfer on Exercise.....	On/Off Switch
Warmup Timer Bypass.....	On/Off Switch
Time Delay Neutral Bypass.....	On/Off Switch
Inphase Monitor .....	On/Off Switch

## Withstand Current - 600 Volt GTS Series

GTS Rated Amps	1200	1600	2000	2600
<b>FUSE PROTECTED</b>				
Maximum RMS Symmetrical Fault Current – Amps	200,000	200,000	200,000	200,000
Maximum Fuse Size – Amps	2000	2000	2500	4000
Fuse Class	J,T	J,T	J,T	J,T
<b>CIRCUIT BREAKER PROTECTED (See separate sheet for specific circuit breakers)</b>				
Maximum RMS Symmetrical Fault Current – Amps	65,000	65,000	85,000	85,000
Protective Device Continuous Rating (Max) – Amps	2000	2000	2500	3500

- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC



## Unit Dimensions

GTS Rated Amps	Enclosure Height		Enclosure Width	Wall Mount Bolt Pattern	Enclosure Depth		Weight (lbs.)
	H1	H2	W	M	D1	D2	
1200	72	78	48	42	27.5	24	1100
1600	72	78	48	42	27.5	24	1100
2000	80	N/A	48	42	51.3	48	1300
2600	80	N/A	48	42	51.3	48	1700

All dimensions in inches.

## Terminal Lug Wire Ranges

\*\* Consult your Generac representative for optional lug kits

GTS Rated Amps	Contactor Terminals		Neutral Bar		Ground Lug (1 Provided)
	# Lugs per Pole	Lug Wire Range	# Lugs	Lug Wire Range	Lug Wire Range
1200	4	750MCM – 1/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG
1600	4	750MCM – 1/0 AWG	12	750MCM – 1/0 AWG	350MCM – 6 AWG
2000	Bus Bars with NEMA 4-Hole Pattern **		24	750MCM – 1/0 AWG	350MCM – 6 AWG
2600	Bus Bars with NEMA 4-Hole Pattern **		24	750MCM – 1/0 AWG	350MCM – 6 AWG