Automatic Transfer Switch

600 – 1,000 Amps, 600 VAC

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

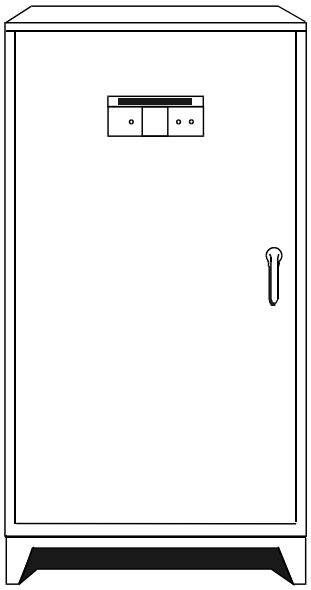


Image used for illustration purposes only

FEATURES

STANDARD FEATURES

- Electrically Operated and Mechanically Held
- Weekly Exerciser
- 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
- Single or Double Sets of Auxiliary Contacts
- Preferred Source Selector Switch

Automatic Transfer Switch

600 – 1,000 Amps, 600 VAC

Type WN Load Shed Capable

GENERAC | INDUSTRIAL POWER

GTS CONTROL SYSTEMS

LOGIC CONTROL WITH INPHASE MONITOR

Utility Voltage	
Drop Out	75 – 95% (Adj.)
Pickup	85 – 95% (Adj.)
Line Interrupt	0.1 – 10.0 Sec. (Adj.)
Engine Minimum Run	5 – 30 Min. (Adj.)
Engine Warmup	5 – 180 Sec. (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 – 10.0 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**	**1,000**
FUSE PROTECTED			
Maximum RMS Symmetrical			
Fault Current – Amps	200,000	200,000	200,000
Maximum Fuse			
Size – Amps	800	1,200	1,600
Fuse Class	L,T	L	L
CIRCUIT BREAKER PROTECTED (see separate sheet for specific circuit breakers)			
Maximum RMS Symmetrical			
Fault Current – Amps	42,000	65,000	65,000
Protective Device Continuous			
Rating (Max) – Amps	750	1,250	1,250

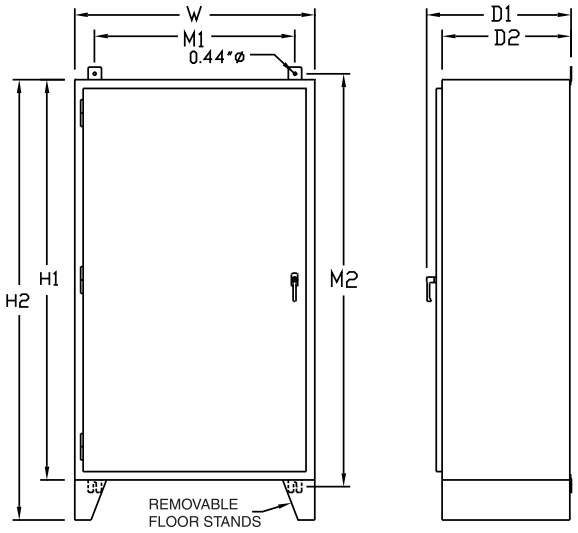
- Tested in accordance with the withstand and closing requirements of UL 1008 and CSA Standards
- Current ratings are listed @ 480 VAC

Automatic Transfer Switch

600 – 1,000 Amps, 600 VAC

Type WN Load Shed Capable

UNIT DIMENSIONS*



GTS Rated Amps	Enclosure Height - in (mm)		Enclosure Width - in (mm)	Wall Mount Bolt Pattern - in (mm)		Enclosure Depth - in (mm)		Weight - lbs (kg)
	H1	H2	W	M1	M2	D1	D2	
600	60 (1,524)	66 (1,676)	36 (914)	30 (762)	62 (1,575)	23.5 (597)	20 (508)	650 (295)
800	60 (1,524)	66 (1,676)	36 (914)	30 (762)	62 (1,575)	23.5 (597)	20 (508)	700 (318)
1,000	60 (1,524)	66 (1,676)	36 (914)	30 (762)	62 (1,575)	23.5 (597)	20 (508)	700 (318)

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings.

TERMINAL LUG WIRE RANGES

GTS Rated Amps	Connector Terminals		Neutral Bar		Ground Lug (1 Provided)
	# Lugs per Pole	Lug Wire Range	# Lugs	Lug Wire Range	Lug Wire Range
600	2	500 MCM – 1 AWG	8	750 MCM – 1/0 AWG	350 MCM – 6 AWG
800	4	500 MCM – 4/0 AWG	12	750 MCM – 1/0 AWG	350 MCM – 6 AWG
1,000	4	500 MCM – 4/0 AWG	12	750 MCM – 1/0 AWG	350 MCM – 6 AWG

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