

Automatic Transfer Switches

Non-Service Rated Automatic Smart Transfer Switches

600 - 800 Amps, 1 and 3-phase



*Built in the USA using domestic and foreign parts

DESCRIPTION

Generac 600-800 amp non-service rated switches are compatible with the full 22-150kW line of liquid-cooled generators. The switches are open transition and are available in 120/240 1 ϕ , 120/208 3 ϕ , 120/240 3 ϕ , and 277/480 3 ϕ .

STANDARD FEATURES

600-800 amp non-service rated transfer switches are housed in a rugged steel NEMA/UL Type 3R enclosure, with electrostatically applied and baked powder paint. The Heavy Duty Generac Contactor is a UL recognized device, designed for years of service. The controller at the generator handles all the timing, sensing, exercising functions, and transfer commands.

DPM Technology (single phase switches only)

Through the use of digital power technology (DPM), these switches have the capability to manage up to 4 individual HVAC (24 VAC controlled) loads with no additional hardware. When used in tandem with the Smart Management Modules, up to 8 more loads can be managed as well, providing the most installation efficient power management options available.

600-800 Amps

Non-Service Rated Smart Transfer Switches

Functions

All timing and sensing functions originate in the generator controller

Utility voltage drop-out.....	<60%
Timer to generator start.....	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
Engine warm up delay.....	5 seconds
Standby voltage sensor.....	60% for 5 seconds
Utility voltage pickup.....	>80%
Re-transfer time delay.....	15 seconds
Engine cool-down timer.....	60 seconds
Exerciser.....	12 minutes every 7 days

The transfer switch can be operated manually without power applied.

*When used in conjunction with units utilizing Evolution™ controls

Specifications

Model	RTSC600A3	RTSN600G3	RTSN600J3	RTSN600K3	RTSC800A3	RTSN800G3	RTSN800J3	RTSN800K3
Amps	600				800			
Voltage	120/240 1Ø	120/208 3Ø	120/240 3Ø	277/480 3Ø	120/240 1Ø	120/208 3Ø	120/240 3Ø	277/480 3Ø
Load Transition Type (Automatic)	Open Transition							
Enclosure Type	NEMA/UL 3R							
Withstand Rating (Amps)	42,000				65,000			
Lug Range	1/0 - 500 MCM				4/0 - 500 MCM			

Features

- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 160 millisecond transfer time.
- Single coil design.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA/UL 3R (indoor/outdoor rated) rugged steel enclosure is standard.
- Limited 5 Year Warranty.

Dimensions

Voltages*	Height (in./mm)		Width (in./mm)		Depth (in./mm)	Weight (lbs/kilos)
	H1	H2	W1	W2		
120/240 1Ø, 120/208 3Ø, 120/240 3Ø	61.4/1559.6	66/1676.4	30/762	36/914.4	21/533.4	337.5/153.09
277/480 3Ø	61.4/1559.6	66/1676.4	30/762	36/914.4	21/533.4	353.5/160.34

*Includes 600 & 800 amp switches.

