

50Hz Transfer Switches

50Hz Automatic Transfer Switches

45–70 Amps, Single Phase



*Assembled in the USA using domestic and foreign parts

Description

Generac Transfer Switches are designed for use with single phase 50Hz generators. The transfer switches are certified for IEC 60947-6-1 – the transfer switch standard – where electronically operated and mechanically interlocked contacts are required for safety.

Standard Features

Generac Transfer Switches are available with steel enclosures for 45 and 70 amp single phase models. The enclosure is RAL 7035 painted, and certified to IEC IP66. The contactors equipped comply with a wide range of certificates and marking, including the CE mark. The controller at the generator senses and controls the timing, exercising, and transfer commands.

Functions

All timing and sensing functions originate in the generator controller.

Utility voltage dropout.....	<60%
Timer to generator start.....	10 second factory set, adjustable between 2-1500 seconds by a qualified dealer*
Engine warm up delay.....	Five seconds
Standby voltage sensor.....	60% for five 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™ and Nexus™ controls

45–70 Amps**50Hz Automatic Transfer Switches****Specifications**

Model		PY000A000AX	PY000A000AY
Amps		45	70
Voltage		230V, 1Ph+N, 50Hz	
Load Transition Type (Automatic)		Open transition	
Enclosure Type		IP66	
Maximum Breaking Capacity (pf. 0.45)		500A @440V 200A @690V	950A @440V 600A @690V
Terminal size	Power section	35 + 16mm ² (Ph+N)	10 + 10mm ² (Ph+N)
	Control section	1.5 mm ²	

Features

- Single throw contactors, certified to the transfer switch standard IEC 60947-6-1 with electrically operated, mechanically interlocking contacts for fast, positive connections.
- High-endurance, interlocked contactor, suitable for both inductive and resistive loads.
- Less than 160 millisecond transfer time.
- Dual coil design.
- Contactors with built-in surge protection.
- Limited 5 year warranty.

Dimensions and Weight

Model	Height (mm)		Width (mm)		Depth (mm)	Weight (kg)
	H1	H2	W1	W2		
PY000A000AX	350	400	250	300	150	10.7
PY000A000AY	350	400	250	300	150	12

