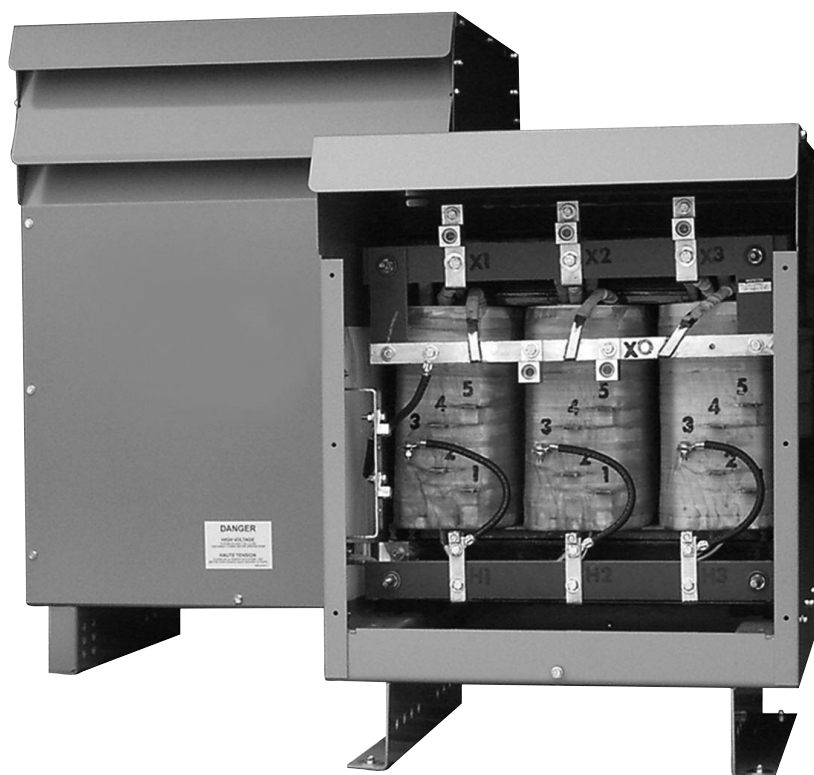


GE Consumer & Industrial
Electrical Distribution

Guard III

Harmonic Mitigating Transformers

Selection Guide



imagination at work

Guard III Harmonic Mitigating Transformers

See page 4 for specifications

Secondary Voltage	kVA	Size (see p. 4)	Catalog Number
208V Primary, 0° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T96C9091G03
	30	B	9T96C9092G03
	45	C	9T96C9093G03
	75	D	9T96C9094G03
	112.5	E	9T96C9095G03
	150	F	9T96C9096G03
	225	G	9T96C9097G03
	300	H	9T96C9098G03
	500	I	9T96C9099G03
480Y/277	15	A	9T96C9801G03
	30	B	9T96C9802G03
	45	C	9T96C9803G03
	75	D	9T96C9804G03
	112.5	E	9T96C9805G03
	150	F	9T96C9806G03
	225	G	9T96C9807G03
	300	H	9T96C9808G03
	500	I	9T96C9809G03
480V Primary, 0° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T96C9871G03
	30	B	9T96C9872G03
	45	C	9T96C9873G03
	75	D	9T96C9874G03
	112.5	E	9T96C9875G03
	150	F	9T96C9876G03
	225	G	9T96C9877G03
	300	H	9T96C9878G03
	500	I	9T96C9879G03
480Y/277	15	A	9T96C9851G03
	30	B	9T96C9852G03
	45	C	9T96C9853G03
	75	D	9T96C9854G03
	112.5	E	9T96C9855G03
	150	F	9T96C9856G03
	225	G	9T96C9857G03
	300	H	9T96C9858G03
	500	I	9T96C9859G03
600V Primary, 0° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T96C9891G03
	30	B	9T96C9892G03
	45	C	9T96C9893G03
	75	D	9T96C9894G03
	112.5	E	9T96C9895G03
	150	F	9T96C9896G03
	225	G	9T96C9897G03
	300	H	9T96C9898G03
	500	I	9T96C9899G03
480Y/277	15	A	9T96C9631G03
	30	B	9T96C9632G03
	45	C	9T96C9633G03
	75	D	9T96C9634G03
	112.5	E	9T96C9635G03
	150	F	9T96C9636G03
	225	G	9T96C9637G03
	300	H	9T96C9638G03
	500	I	9T96C9639G03

Secondary Voltage	kVA	Size (see p. 4)	Catalog Number
208V Primary, -30° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T97C9091G03
	30	B	9T97C9092G03
	45	C	9T97C9093G03
	75	D	9T97C9094G03
	112.5	E	9T97C9095G03
	150	F	9T97C9096G03
	225	G	9T97C9097G03
	300	H	9T97C9098G03
	500	I	9T97C9099G03
480Y/277	15	A	9T97C9801G03
	30	B	9T97C9802G03
	45	C	9T97C9803G03
	75	D	9T97C9804G03
	112.5	E	9T97C9805G03
	150	F	9T97C9806G03
	225	G	9T97C9807G03
	300	H	9T97C9808G03
	500	I	9T97C9809G03
480V Primary, -30° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T97C9871G03
	30	B	9T97C9872G03
	45	C	9T97C9873G03
	75	D	9T97C9874G03
	112.5	E	9T97C9875G03
	150	F	9T97C9876G03
	225	G	9T97C9877G03
	300	H	9T97C9878G03
	500	I	9T97C9879G03
480Y/277	15	A	9T97C9851G03
	30	B	9T97C9852G03
	45	C	9T97C9853G03
	75	D	9T97C9854G03
	112.5	E	9T97C9855G03
	150	F	9T97C9856G03
	225	G	9T97C9857G03
	300	H	9T97C9858G03
	500	I	9T97C9859G03
600V Primary, -30° Phase Shift, Wiring Diagram A			
208Y/120	15	A	9T97C9891G03
	30	B	9T97C9892G03
	45	C	9T97C9893G03
	75	D	9T97C9894G03
	112.5	E	9T97C9895G03
	150	F	9T97C9896G03
	225	G	9T97C9897G03
	300	H	9T97C9898G03
	500	I	9T97C9899G03
480Y/277	15	A	9T97C9631G03
	30	B	9T97C9632G03
	45	C	9T97C9633G03
	75	D	9T97C9634G03
	112.5	E	9T97C9635G03
	150	F	9T97C9636G03
	225	G	9T97C9637G03
	300	H	9T97C9638G03
	500	I	9T97C9639G03

Secondary Voltage	kVA	Size (see p. 4)	Catalog Number
208V Primary, 0° & -30° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T98C9091G03
	30	B	9T98C9092G03
	45	C	9T98C9093G03
	75	D	9T98C9094G03
	112.5	E	9T98C9095G03
	150	F	9T98C9096G03
	225	G	9T98C9097G03
	300	H	9T98C9098G03
	500	I	9T98C9099G03
480Y/277	15	A	9T98C9801G03
	30	B	9T98C9802G03
	45	C	9T98C9803G03
	75	D	9T98C9804G03
	112.5	E	9T98C9805G03
	150	F	9T98C9806G03
	225	G	9T98C9807G03
	300	H	9T98C9808G03
480V Primary, 0° & -30° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T98C9871G03
	30	B	9T98C9872G03
	45	C	9T98C9873G03
	75	D	9T98C9874G03
	112.5	E	9T98C9875G03
	150	F	9T98C9876G03
	225	G	9T98C9877G03
	300	H	9T98C9878G03
	500	I	9T98C9879G03
480Y/277	15	A	9T98C9851G03
	30	B	9T98C9852G03
	45	C	9T98C9853G03
	75	D	9T98C9854G03
	112.5	E	9T98C9855G03
	150	F	9T98C9856G03
	225	G	9T98C9857G03
	300	H	9T98C9858G03
500	I	9T98C9859G03	
600V Primary, 0° & -30° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T98C9891G03
	30	B	9T98C9892G03
	45	C	9T98C9893G03
	75	D	9T98C9894G03
	112.5	E	9T98C9895G03
	150	F	9T98C9896G03
	225	G	9T98C9897G03
	300	H	9T98C9898G03
	500	I	9T98C9899G03
480Y/277	15	A	9T98C9631G03
	30	B	9T98C9632G03
	45	C	9T98C9633G03
	75	D	9T98C9634G03
	112.5	E	9T98C9635G03
	150	F	9T98C9636G03
	225	G	9T98C9637G03
	300	H	9T98C9638G03
500	I	9T98C9639G03	

Secondary Voltage	kVA	Size (see p. 4)	Catalog Number
208V Primary, -15° & -45° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T99C9091G03
	30	B	9T99C9092G03
	45	C	9T99C9093G03
	75	D	9T99C9094G03
	112.5	E	9T99C9095G03
	150	F	9T99C9096G03
	225	G	9T99C9097G03
	300	H	9T99C9098G03
	500	I	9T99C9099G03
480Y/277	15	A	9T99C9801G03
	30	B	9T99C9802G03
	45	C	9T99C9803G03
	75	D	9T99C9804G03
	112.5	E	9T99C9805G03
	150	F	9T99C9806G03
	225	G	9T99C9807G03
	300	H	9T99C9808G03
	500	I	9T99C9809G03
480V Primary, -15° & -45° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T99C9871G03
	30	B	9T99C9872G03
	45	C	9T99C9873G03
	75	D	9T99C9874G03
	112.5	E	9T99C9875G03
	150	F	9T99C9876G03
	225	G	9T99C9877G03
	300	H	9T99C9878G03
	500	I	9T99C9879G03
480Y/277	15	A	9T99C9851G03
	30	B	9T99C9852G03
	45	C	9T99C9853G03
	75	D	9T99C9854G03
	112.5	E	9T99C9855G03
	150	F	9T99C9856G03
	225	G	9T99C9857G03
	300	H	9T99C9858G03
	500	I	9T99C9859G03
600V Primary, -15° & -45° Phase Shift, Wiring Diagram B			
208Y/120	15	A	9T99C9891G03
	30	B	9T99C9892G03
	45	C	9T99C9893G03
	75	D	9T99C9894G03
	112.5	E	9T99C9895G03
	150	F	9T99C9896G03
	225	G	9T99C9897G03
	300	H	9T99C9898G03
	500	I	9T99C9899G03
480Y/277	15	A	9T99C9631G03
	30	B	9T99C9632G03
	45	C	9T99C9633G03
	75	D	9T99C9634G03
	112.5	E	9T99C9635G03
	150	F	9T99C9636G03
	225	G	9T99C9637G03
	300	H	9T99C9638G03
	500	I	9T99C9639G03

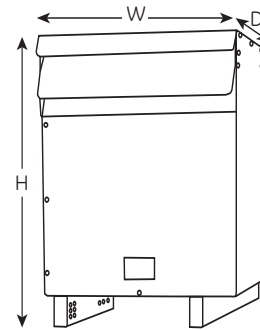
Guard III Harmonic Mitigating Transformers

Specifications

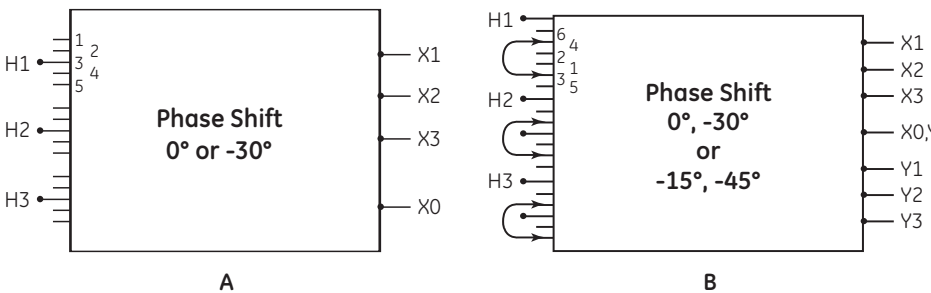
Frequency	60Hz
Insulation System	220°C (130°C Rise on 15 % 30kVA units) Optional 115°C or 80°C rise available as special order
Enclosure	NEMA 3R ventilated
Enclosure Finish	ANSI 61 Grey, UL50
Coils	Copper
Shielding	Yes
Standard Primary Taps	See wiring diagrams below
Conduit Knockouts	Standard on 15 to 500kVA
Impedance	Z<0.95%, X<0.3% (Typical)
Efficiency	Meets NEMA TP-1 and CSA C802.2
Sound Level	Meets NEMA ST-20 (low noise models available as special order)
Termination	Lugs suitable for copper are provided
Lead Time	35 days

Dimensions, Weights & Mounting

Size	Width (In.)	Depth (In.)	Height (In.)	Weight (Lbs)	Mounting	Kit No. for Wall Mounting
A	19.4	20.2	21.5	220	Floor or Wall	9T18Y4446G71
B	23.9	25.0	28.8	360	Floor or Wall	9T18Y4446G72
C	23.9	25.0	28.8	465	Floor or Wall	9T18Y4446G72
D	26.0	25.0	38.0	740	Floor	-
E	32.0	29.5	41.0	985	Floor	-
F	32.0	29.5	41.0	1200	Floor	-
G	39.5	34.0	51.5	1800	Floor	-
H	48.5	38.4	59.0	2400	Floor	-
I	51.5	43.4	66.0	3200	Floor	-



Wiring Diagrams



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