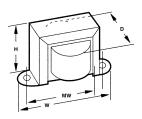
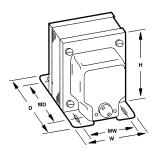
# Power Transformers

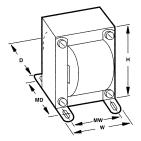
# Autotransformers







Case Type M



Case Type U

### :: Description

Triad autotransformers are single winding transformers in which the primary coil is a fraction of the entire winding for voltage step-up or the secondary coil is a fraction of the entire winding for voltage step-down (see Technical Notes for an equivalent circuit diagram). In ordinary double wound power transformers, the primary and secondary are isolated and all the power is transferred by induction. In autotransformers, part of the power is transferred conductively through

the windings. Triad autotransformers come in a variety of configurations, case types and output watts (VA) ratings in excess of 2,000 watts. A universal isolation/autotransformer/voltage control model is available with up to a 4,000 output watts rating when operated as an autotransformer.

# **Specifications**

See Technical Notes

#### :: Step-Up/Step-Down Autotransformers

Secondary									Mounting						
Туре			Primary	Volts	RMS	Case		Dimensions			Dimensions				
Section	No.	VA	Voltage	±5%	Amps	Туре	Connections	Н	W	D	MW	MD	Lbs.		
A	N-1X	50	230	115	0.435	X (1)	Leads	2%32	311/16	2	31/8	•	1.5		
В	N-3M	85	230	115	0.74	M (3)	6' Cord, Plug & Socket	319/32	231/32	27/8	21/4	11/8	3.0		
В	N-3MG∆	85	230	115	0.74	M (3)	6' Cord, Plug & Socket	319/32	$2^{31}/_{32}$	31/2	21/4	25/8	3.0		
С	N-2X	100	230	115	0.87	X (1)	Leads	25/8	4	21/16	3-1/8	•	2.1		
	N-150MG	150	115	230	0.65	M (3)	6'-3 Wire Cord, Plug & Socket	319/32	231/32	35/16	21/4	21/8	4.9		
D	F-302U#	150	277	115	1.30	U(2)	Leads	213/16	33/8	21/4	213/16	2	2.9		
ע	N-4M	150	230	115	1.30	M (3)	6' Cord, Plug & Socket	319/32	231/32	31/8	21/4	23/8	4.7		
	N-4MG∆	150	230	115	1.30	M (3)	6' Cord, Plug & Socket	319/32	231/32	41/4	21/4	21/8	4.7		

 $\Delta$  Has 3-wire plug, cord and socket #60 Hz Mounting bole sizes: (1) =  $\frac{3}{16}$ " (2) =  $\frac{3}{64}$  x  $\frac{3}{8}$ " (3) =  $\frac{3}{8}$  x  $\frac{3}{16}$ "

## :: Step-Up/Step-Down Autotransformers continued

Secondary									Mounting					
64	Туре	W74	Primary	Volts	RMS	Case	0	Dimensions			Dimensions		Wt.	
Section	No.	VA	Volts	±5%	Amps	Туре	Connections	н	W	D	MW	MD	Lbs.	
A	N-6U	200	230	115	1.70	U (2)	Leads	<b>3</b> ⅓8	213/16	213/16	21/4	21/4	3.60	
В	N-250MG∆	250	115	230	1.10	M (3)	6'-3 Wire Cord, Plug & Socket	3⅓s	31/4	311/16	21/2	27/16	6.60	
C	N-5M	250	230	115	2.17	M (3)	6' Cord, Plug & Socket	37/8	3%32	41/4	21/2	3	7.00	
	N-5MG∆	250	230	115	2.17	M (3)	6' Cord, Plug & Socket	37/8	31/32	4 <sup>13</sup> / <sub>16</sub>	21/2	31/2	7.00	
D	<b>N-500MG</b> ∆	500	115	230	2.20	M (3)	6'-3 Wire Cord, Plug & Socket	45/8	37/8	43/4	3	31/8	11.20	
Е	N-7M	600	230	115	5.22	M (3)	6' Cord, Plug & Socket	4½	315/16	5	3	3½	12.00	
	N-7MG∆	600	230	115	5.22	M (3)	6' Cord, Plug & Socket							
F	N-1000MG∆	1,000	115	230	4.35	M (4)	6'-3 Wire Cord, Plug & Socket	5¾s	41/2	51/2	31/2	41/8	17.39	
G	N-9M	1,250	230	115	10.85	M (4)	6' Cord, Plug & Socket	5 <sup>5</sup> ∕16	4½	6	3½	4½	21.00	
· ·	N-9MG∆	1,250	230	115	10.85	M (4)	6' Cord, Plug & Socket				J, -			
Н	N-11M	2,000	230	115	17.40	M (4)	6' Cord, Plug & Socket	5⅓8	<mark>/8 4½</mark>	81/4	3½	6½	33.25	
	N-11MG∆	2,000	230	115	17.40	M (4)	6' Cord, Plug & Socket				372	0/8	33.43	

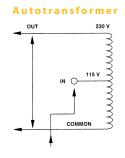
 $\Delta$  Has 3-wire plug, cord and socket

Mounting hole sizes: (2) =  ${}^{1}9/64 \times {}^{3}/8{}^{"}$  (3) =  ${}^{3}/8 \times {}^{3}/16{}^{"}$  (4) =  ${}^{2}//32 \times {}^{9}/32{}^{"}$ 

#### :: Outline Dimensions

#### **Technical Notes**

- 1. Output wattage (VA) ratings 50 to 2,000 W.
- 2. Wide selection of case types, including 6' line cords, plugs, sockets and lugs.
  3. All transformers are 50/60 Hz line frequency, except as noted.
- 4. Hi-pot tested at 1,500 VRMS.



(Single winding input providing input/output)