

# Harbuch Electronics Toroidal Power Transformer

## Standard Model Ordering Guide as at June 2009

VA	PRIM V	INSUL	SEC V	SUFFIX
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CODE	SUFFIX
F	Flex primary leads
A	Flex secondary leads
P	Epoxy centre
R	Radial lead exit
X	Single secondary
T	Auto reset thermal cutout
M	GOSS flux band
UL	To UL506

CODE	VA	OD	HT	KG
AAA	10	55	21	0.15
AA	15	57	30	0.25
A	15	<b>62</b>	<b>30</b>	<b>0.35</b>
HB	30	70	27	0.4
B	30	<b>70</b>	<b>33</b>	<b>0.45</b>
C	50	<b>80</b>	<b>40</b>	<b>0.9</b>
C/LP	50	85	35	0.8
HC	60	80	40	0.9
D	80	<b>90</b>	<b>30</b>	<b>1.0</b>
HK	100	90	35	1.1
E	<b>120</b>	<b>90</b>	<b>45</b>	<b>1.2</b>
X4	120	90	50	1.4
HX4	150	90	50	1.4
F/LP	160	128	33	1.9
HF	160	100	45	1.7
F	<b>160</b>	<b>110</b>	<b>45</b>	<b>1.8</b>
G	<b>225</b>	<b>110</b>	<b>50</b>	<b>2.2</b>
H/LP	300	160	37	3.4
H	<b>300</b>	<b>110</b>	<b>55</b>	<b>2.6</b>
X7	300	120	55	3.0
T/LP	400	190	37	5.0
T	400	120	55	3.0
I/LP	500	210	38	6.8
I	<b>500</b>	<b>135</b>	<b>60</b>	<b>4.5</b>
J	<b>625</b>	<b>135</b>	<b>73</b>	<b>5.4</b>
V	<b>800</b>	<b>160</b>	<b>65</b>	<b>6.6</b>
Z	<b>1000</b>	<b>160</b>	<b>75</b>	<b>7.9</b>
L	1500	200	75	14
HN	2000	200	85	17
N	2000	220	75	17
HP	2500	210	80	19.5
HR	3000	210	90	21.5
HM	3500	255	85	32.5
HQ	4000	255	95	36.5
HS	5000	255	115	43
HU	6000	320	95	60
HW	7500	320	110	67.5
HX	1000			

CODE	PRIMARY VOLTAGE
G	100V
E	2 x 100V
0	110V
6	2 x 110V
H	115V
7	2 x 115V
J	2 x 117V
9	120V
3	<b>2 x 120V</b>
1	220V
8	230V
2	<b>240V</b>
F	415V
D	2 x 0-100-110V
A	2 x 0-110-120V
K	2 x 0-110-115V
5	2 x 0-110-120V
B	0-110, 0-110-130V
C	0-100-110, 0-100-110-125V
4	0-220-240V
I	0-240-250V
L	0-230-240V

CODE	INSULATION
0	Insulation to IEC65
1	Wire safety screen
2	Foil screen
3	Foil screen to AS3200/2380/IEC601
4	Insulation to AS3108

CODE	SEC V	CODE	SEC V
10	2 x 6	42	2 x 55
32	2 x 6.5	44	2 x 60
39	2 x 7	46	2 x 65
61	2 x 7.5	55	2 x 70
11	<b>2 x 9v</b>	64	2 x 75
53	2 x 10	65	2 x 80
58	2 x 11.8	66	2 x 85
12	<b>2 x 12</b>	49	<b>1 x 100</b>
37	2 x 14	68	2 x 100
13	<b>2 x 15</b>	69	2 x 105
45	2 x 16.1	28	<b>1 x 110</b>
48	2 x 16.2	60	2 x 110
56	2 x 16.5	47	1 x 115
43	2 x 17	70	2 x 115
72	2 x 17.5	62	1 x 120
14	<b>2 x 18</b>	31	2 x 120
27	2 x 20	29	1 x 220
50	2 x 21	80	1 x 230
15	<b>2 x 22</b>	30	<b>1 x 240</b>
63	2 x 23	71	1 x 250
21	2 x 24	59	1 x 415
16	<b>2 x 25</b>		
40	2 x 25.4		
20	2 x 26		
54	2 x 27		
57	2 x 28		
17	<b>2 x 30</b>		
41	2 x 30.5		
34	2 x 31		
51	2 x 32		
19	2 x 33		
18	<b>2 x 35</b>		
23	2 x 36		
35	2 x 38		
36	2 x 39		
26	<b>2 x 40</b>		
22	2 x 42		
38	2 x 44		
25	<b>2 x 45</b>		
24	2 x 48		
33	2 x 50		

### SELECTION PROCEDURE

- 1 Select the required power rating - sizes stocked in depth shown in bold.
- 2 Select the required primary voltage. Most common shown in bold.
- 3 Select the required insulation spec. Current stock production is AS3108.
- 4 Select the required secondary volts. Most common shown in bold but may not be ex-stock in all sizes.
- 5 Select required suffix (applies to special production only).

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