

## Introducing Toroidal Transformers

50/60Hz Transformers



506



0550

The PREMO® toroidal transformers offer many electrical as well as mechanical advantages. The updated technology used during their manufacturing process, the quality controls they were put through and the steady improvements carried out by our technical department are the result of the research of our engineers and the cooperation of our customers, both bringing us the results of their own experiences.

The goal of this catalogue is to provide you with a valuable work tool, useful for doing work designing and to summarize the main advantages and characteristics of toroidal transformers in their different uses.

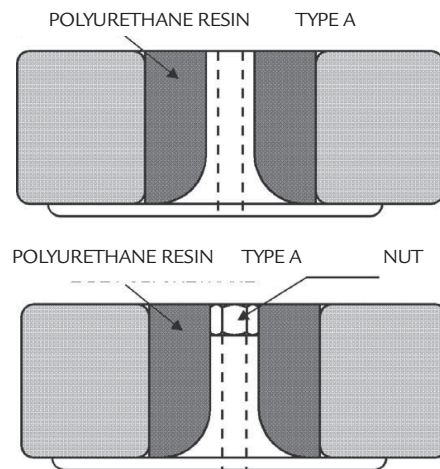
All the levels mentioned on the following pages refer to the standard range. Special models do not necessarily fall into the standard range since they are subjected to different specifications.

# Toroidal Transformer

## Special transformers

We can manufacture special transformers according to the customer's drawings and specifications, provided that they are among the following features:

- Power rating from 15 VA up to 15000 VA.
- Special sizes: extraflat or very small diameter.
- Electrostatic screen between primary and secondary.
- Fixing system according to specification.
- Lower regulation.



## Standard ribboned toroidal transformers

REFERENCE	POWER A	PRIMARY V V	SECONDARY V V	I <sub>NOM</sub> A	WEIGHT Kg (approx.)	EFFICIENCY %	REGULATION "r" MAX	DIMENSIONS O x H mm	APPROVALS
X-0650-249	15	115 + 115	2 x 6	1,25	0,35	82	18	65 x 30	
X-0650-206	15	115 + 115	2 x 10	0,75	0,35	82	18	65 x 30	
X-0650-207	15	115 + 115	2 x 12	0,62	0,35	82	18	65 x 30	
X-0650-250	15	115 + 115	2 x 15	0,50	0,35	82	18	65 x 30	
X-0650-208	15	115 + 115	2 x 18	0,42	0,35	82	18	65 x 30	
X-0650-251	30	115 + 115	2 x 6	2,50	0,45	83	16	73 x 30	
X-0650-252	30	115 + 115	2 x 10	1,50	0,45	83	16	73 x 30	
X-0650-212	30	115 + 115	2 x 12	1,25	0,45	83	16	73 x 30	
X-0650-253	30	115 + 115	2 x 15	1,00	0,45	83	16	73 x 30	
X-0650-213	30	115 + 115	2 x 18	0,83	0,45	83	16	73 x 30	
X-0650-254	50	115 + 115	2 x 6	4,16	0,70	85	15	80 x 35	
X-0650-255	50	115 + 115	2 x 10	2,50	0,70	85	15	80 x 35	
X-0650-218	50	115 + 115	2 x 12	2,08	0,70	85	15	80 x 35	
X-0650-256	50	115 + 115	2 x 15	1,66	0,70	85	15	80 x 35	
X-0650-219	50	115 + 115	2 x 18	1,38	0,70	85	15	80 x 35	
X-0650-257	80	115 + 115	2 x 6	6,66	1,00	86	13	96 x 38	
X-0650-258	80	115 + 115	2 x 10	4,00	1,00	86	13	96 x 38	
X-0650-221	80	115 + 115	2 x 12	3,33	1,00	86	13	96 x 38	
X-0650-259	80	115 + 115	2 x 15	2,66	1,00	86	13	96 x 38	
X-0650-222	80	115 + 115	2 x 18	2,22	1,00	86	13	96 x 38	
X-0650-260	80	115 + 115	2 x 30	1,33	1,00	86	13	96 x 38	
X-0650-261	120	115 + 115	2 x 10	6,00	1,45	88	11	102 x 46	
X-0650-227	120	115 + 115	2 x 12	5,00	1,45	88	11	102 x 46	
X-0650-262	120	115 + 115	2 x 15	4,00	1,45	88	11	102 x 46	
X-0650-228	120	115 + 115	2 x 18	3,33	1,45	88	11	102 x 46	
X-0650-229	120	115 + 115	2 x 30	2,00	1,45	88	11	102 x 46	
X-0650-263	160	115 + 115	2 x 10	8,00	1,75	90	10	111 x 47	
X-0650-264	160	115 + 115	2 x 12	6,66	1,75	90	10	111 x 47	
X-0650-265	160	115 + 115	2 x 15	5,33	1,75	90	10	111 x 47	
X-0650-266	160	115 + 115	2 x 18	4,44	1,75	90	10	111 x 47	
X-0650-232	160	115 + 115	2 x 30	2,66	1,75	90	10	111 x 47	
X-0650-267	200	115 + 115	2 x 15	6,66	2,10	92	8	122 x 46	
X-0650-233	200	115 + 115	2 x 18	5,55	2,10	92	8	122 x 46	
X-0650-235	200	115 + 115	2 x 30	3,33	2,10	92	8	122 x 46	
X-0650-268	200	115 + 115	2 x 110	0,91	2,10	92	8	122 x 46	
X-0650-269	250	115 + 115	2 x 18	6,90	2,30	93	7	126 x 49	
X-0650-270	250	115 + 115	2 x 30	4,16	2,30	93	7	126 x 49	
X-0650-238	250	115 + 115	2 x 110	1,13	2,30	93	7	126 x 49	
X-0650-239	300	115 + 115	2 x 30	5,00	2,60	93	7	134 x 51	
X-0650-240	300	115 + 115	2 x 48	3,12	2,60	93	7	134 x 51	
X-0650-241	300	115 + 115	2 x 110	1,36	2,60	93	7	134 x 51	
X-0650-242	500	115 + 115	2 x 48	5,20	3,80	93	7	144 x 59	
X-0650-243	500	115 + 115	2 x 60	4,16	3,80	93	7	144 x 59	
X-0650-244	500	115 + 115	2 x 110	2,30	3,80	93	7	144 x 59	



# Toroidal Transformer

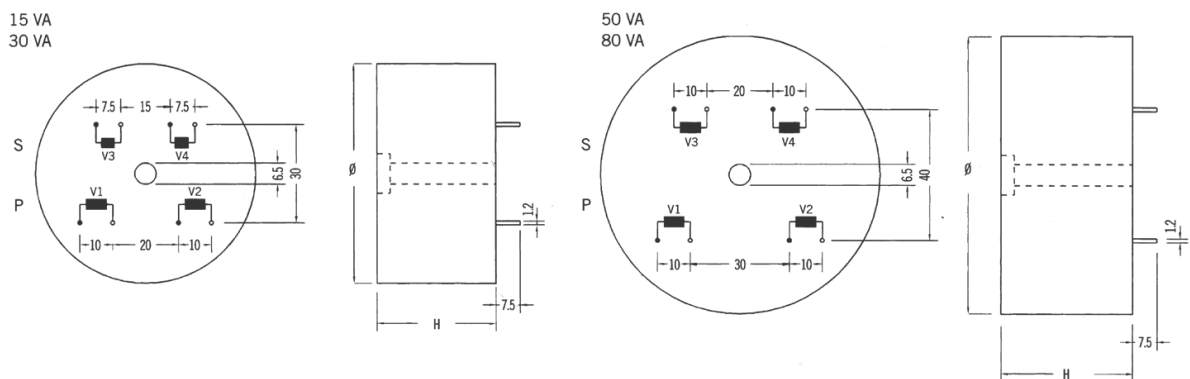
50/60Hz Transformers

## Standard encapsulated toroidal transformers

TYPE		POWER VA	PRIMARY V V	SECONDARY V V	I <sub>NOM</sub> A	WEIGHT Kg (aprox.)	EFFICIENCY %	REGULATION "r" MAX	DIMENSIONS O x H mm
Printed Circuit	Wire output								
X-0000-450	X-0000-400	15	115 + 115	2 x 6	1,25	0,40	83	18	67 x 36
X-0000-451	X-0000-401	15	115 + 115	2 x 10	0,75	0,40	83	18	67 x 36
X-0000-452	X-0000-402	15	115 + 115	2 x 12	0,62	0,40	83	18	67 x 36
X-0000-453	X-0000-403	15	115 + 115	2 x 15	0,50	0,40	83	18	67 x 36
X-0000-454	X-0000-404	15	115 + 115	2 x 18	0,42	0,40	83	18	67 x 36
X-0000-455	X-0000-405	30	115 + 115	2 x 6	2,50	0,60	85	16	78 x 39
X-0000-456	X-0000-406	30	115 + 115	2 x 10	1,50	0,60	85	16	78 x 39
X-0000-457	X-0000-407	30	115 + 115	2 x 12	1,25	0,60	85	16	78 x 39
X-0000-458	X-0000-408	30	115 + 115	2 x 15	1,00	0,60	85	16	78 x 39
X-0000-450	X-0000-409	30	115 + 115	2 x 18	0,83	0,60	85	16	78 x 39
X-0000-460	X-0000-410	50	115 + 115	2 x 6	4,16	0,90	87	15	85 x 40
X-0000-461	X-0000-411	50	115 + 115	2 x 10	2,50	0,90	87	15	85 x 40
X-0000-462	X-0000-412	50	115 + 115	2 x 12	2,05	0,90	87	15	85 x 40
X-0000-463	X-0000-413	50	115 + 115	2 x 15	1,66	0,90	87	15	85 x 40
X-0000-464	X-0000-414	50	115 + 115	2 x 18	1,38	0,90	87	15	85 x 40
X-0000-465	X-0000-415	80	115 + 115	2 x 6	6,66	1,10	88	13	96 x 43
X-0000-466	X-0000-416	80	115 + 115	2 x 10	4,00	1,10	88	13	96 x 43
X-0000-467	X-0000-417	80	115 + 115	2 x 12	3,33	1,10	88	13	96 x 43
X-0000-468	X-0000-418	80	115 + 115	2 x 15	2,66	1,10	88	13	96 x 43
X-0000-469	X-0000-419	80	115 + 115	2 x 18	2,22	1,10	88	13	96 x 43
X-0000-470	X-0000-420	80	115 + 115	2 x 30	1,33	1,10	88	13	96 x 43
X-0000-421		120	115 + 115	2 x 10	6,00	2,50	90	11	104 x 53
X-0000-422		120	115 + 115	2 x 12	5,00	2,50	90	11	104 x 53
X-0000-423		120	115 + 115	2 x 15	4,00	2,50	90	11	104 x 53
X-0000-424		120	115 + 115	2 x 18	3,33	2,50	90	11	104 x 53
X-0000-425		120	115 + 115	2 x 30	2,00	2,50	90	11	104 x 53

Fig. 8

Encapsulated for P.C.B



VA	Ø	H
15	67	36
15	78	39

VA	Ø	H
50	85	40
80	96	43