ELETTROMECCANICA
TADDEI

SINGLE PHASE TRANSFORMERS - TMC SERIES

SINGLE PHASE ASSOCIATED TRANSFORMER NOT C.C. RESISTANT
Conform to standards: EN61558-2-2 / EN61558-2-4 / EN61558-2-6

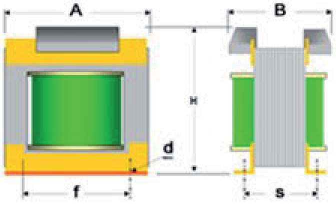
OPTIONAL

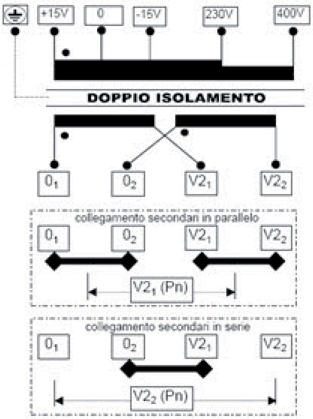
STANDARD CHARACTERISTICS:

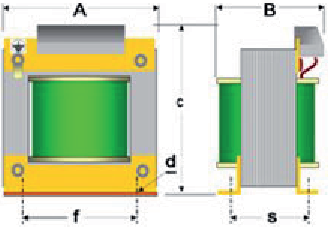
Power: 25VA - 10.000VA
PRIMARY Voltages: 230V-400V
Network frequency: 50/60Hz
SECONDARY Voltages: 12V - max. 230V
Thermal Class: F
Over Temperature: classe B
Ambient Temperature: max.40°C
Degree of Protection: IP0
Insulation: 5kV
Class of Insulation: I

SPECIAL FEATURES (on request):

PRIMARY Voltages: min.100V-max.1000V
SECONDARY Voltages: min.6V -max.1000V
Insulation: max.10kV
Electrostatic screen between PRI and SEC
Network frequency: 40-1000Hz
Protection:THERMAL and/or CURRENT
Thermal Class: A,B,E e H
Over Temperature: A,B,E,F e H
Ambient Temperature: >-20/<80°C
Degree of protection: IP00-IP66







POWER VA	V1	$V2_1/V2_2$	CODE N°	MECHANICAL CHARACTERISTICS						
				A (mm)	B (mm)	C (mm)	f (mm)	s (mm)	d (mm)	Weight(kg)
25 (max.30VA)	230-400	12/24	**TMC.0025.0001**	75	< 70	90	56	43	4,8	0,98
		24/48	**TMC.0025.0002**							0,97
		55/110	**TMC.0025.0003**							0,98
		115/230	**TMC.0025.0004**							0,98
	>100V <1KV	> 6V <1KV	**TMC.00XX.******							< 1

40 (min.31VA – max.40VA)	230-400	12V/24	**TMC.0040.0001**	75	< 75	90	56	48	4,8	1,08
		24V/48	**TMC.0040.0002**							1,11
		55V/110	**TMC.0040.0003**							1,11
		115/230	**TMC.0040.0004**							1,12
	>100V <1KV	> 6V <1KV	**TMC.0040.******							< 1,2
50 (min.41VA – max.50VA)	230-400	12/24	**TMC.0050.0001**	75	< 80	90	56	53	4,8	1,35
		24/48	**TMC.0050.0002**							1,32
		55/110	**TMC.0050.0003**							1,35
		115/230	**TMC.0050.0004**							1,33
	>100V <1KV	> 6V <1KV	**TMC.0050.******							< 1,45
63 (min.51A – max.63VA)	230-400	12/24	**TMC.0063.0001**	85	< 75	90	64	48	4,8	1,41
		24/48	**TMC.0063.0002**							1,41
		55/110	**TMC.0063.0003**							1,43
		115/230	**TMC.0063.0004**							1,42
	>100V <1KV	> 6V <1KV	**TMC.0063.******							< 1,5
75 (min.64 – max.80VA)	230-400	12/24	**TMC.0075.0001**	85	< 80	90	64	53	4,8	1,52
		24/48	**TMC.0075.0002**							1,53
		55/110	**TMC.0075.0003**							1,55
		115/230	**TMC.0075.0004**							1,57
	>100V <1KV	> 6V <1KV	**TMC.00XX.******							< 1,6
100 (min.76 – max.100VA)	230-400	12/24	**TMC.0100.0001**	85	< 85	90	64	59	4,8	1,66
		24/48	**TMC.0100.0002**							1,65
		55/110	**TMC.0100.0003**							1,7
		115/230	**TMC.0100.0004**							1,7
	>100V <1KV	> 6V <1KV	**TMC.0100.******							< 1,8
150 (min.101 – max.160VA)	230-400	12/24	**TMC.0150.0001**	98	< 95	95	84	75	5,8	2,8
		24/48	**TMC.0150.0002**							2,9
		55/110	**TMC.0150.0003**							3,1
		115/230	**TMC.0150.0004**							3,1
	>100V <1KV	> 6V <1KV	**TMC.01XX.******							< 3,1
200 (min.161 – max.200VA)	230-400	12/24	**TMC.0200.0001**	98	< 100	95	84	85	5,8	3,4
		24/48	**TMC.0200.0002**							3,4
		55/110	**TMC.0200.0003**							3,4
		115/230	**TMC.0200.0004**							3,5
	>100V <1KV	> 6V <1KV	**TMC.0200.******							< 3,6
250 (min.201 – max.250VA)	230-400	12/24	**TMC.0250.0001**	120	< 90	110	90	70	6	3,8
		24/48	**TMC.0250.0002**							3,7
		55/110	**TMC.0250.0003**							3,7
		115/230	**TMC.0250.0004**							3,7
	>100V <1KV	> 6V <1KV	**TMC.0250.******							< 3,8

300 (min.251 - max.300VA)	230-400	12/24	**TMC.0300.0001**	120	< 100	110	90	80	6	4,5
		24/48	**TMC.0300.0002**							4,6
		55/110	**TMC.0300.0003**							4,6
		115/230	**TMC.0300.0004**							4,7
	>100V <1KV	> 6V <1KV	**TMC.0300.******							< 4,8
400 (min.301 - max.400VA)	230-400	12V/24	**TMC.0400.0001**	120	< 110	110	90	90	6	5,7
		24V/48	**TMC.0400.0002**							5,7
		55V/110	**TMC.0400.0003**							5,7
		115/230	**TMC.0400.0004**							5,7
	>100V <1KV	> 6V <1KV	**TMC.0400.******							< 5,7
500 (min.401 - max.500VA)	230-400	12/24	**TMC.0500.0001**	120	< 130	130	90	110	6	6,5
		24/48	**TMC.0500.0002**			110				6,4
		55/110	**TMC.0500.0003**							6,4
		115/230	**TMC.0500.0004**							6,4
	>100V <1KV	> 6V <1KV	**TMC.0500.******			130				< 6,5
630 (min.501 - max630VA)	230-400	12/24	**TMC.0630.0001**	150	< 120	155	122	85	7	7,5
		24/48	**TMC.0630.0002**			135				7,5
		55/110	**TMC.0630.0003**							7,5
		115/230	**TMC.0630.0004**							7,4
	>100V <1KV	> 6V <1KV	**TMC.0XXX.******			155				< 7,5
800 (min.631 - max800VA)	230-400	12/24	**TMC.0800.0001**	150	< 130	185	122	95	7	8,6
		24/48	**TMC.0800.0002**			135				8,6
		55/110	**TMC.0800.0003**							8,5
		115/230	**TMC.0800.0004**							8,6
	>100V <1KV	> 6V <1KV	**TMC.0800.******			185				< 8,6
1000 (min.801 - max.1000VA)	230-400	12/24	**TMC.1000.0001**	150	< 140	185	122	105	7	9,2
		24/48	**TMC.1000.0002**			135				9,1
		55/110	**TMC.1000.0003**							9,2
		115/230	**TMC.1000.0004**							9
	>100V <1KV	> 6V <1KV	**TMC.1000.******			185				< 9,2
1250 (min.1001 - max.1250VA)	230-400	12/24	**TMC.1250.0001**	150	< 150	185	122	130	7	12
		24/48	**TMC.1250.0002**							12
		55/110	**TMC.1250.0003**			170				11,8
		115/230	**TMC.1250.0004**							12
	>100V <1KV	> 6V <1KV	**TMC.1250.******			<190				< 12
1500 (min.1251 - max.1500VA)	230-400	12/24	**TMC.1500.0001**	180	< 200	185	130	105	7	15,5
		24/48	**TMC.1500.0002**							15,4
		55/110	**TMC.1500.0003**			170				15,8
		115/230	**TMC.1500.0004**							15,5
	>100V <1KV	> 6V <1KV	**TMC.1500.******			185				< 16
2000 (min.1501 - max.2000VA)	230-400	12/24	**TMC.2000.0001**	192	< 220	230	130	115	7	17,2
		24/48	**TMC.2000.0002**							17,5
		55/110	**TMC.2000.0003**			182				17,3
		115/230	**TMC.2000.0004**							17,2
	>100V <1KV	> 6V <1KV	**TMC.2000.******			230				< 17,5

2500 (min.2001 – max.2500VA)	230-400	12/24	TMC.2500.0001	192	< 220	230	130	135	7	20,6
		24/48	TMC.2500.0002							20,4
		55/110	TMC.2500.0003			182				20,8
		115/230	TMC.2500.0004							21
	>100V <1KV	> 6V <1KV	TMC.2500.****			230				< 21
3000 (min.2501 – max.3000VA)	230-400	12/24	TMC.3000.0001	182	< 220	230	130	155	7	25
		24/48	TMC.3000.0002							25
		55/110	TMC.3000.0003			200				24,8
		115/230	TMC.3000.0004							25
	>100V <1KV	> 6V <1KV	TMC.3000.****			<230				< 25
4000 (min.3001 – max.4000VA)	230-400	12/24	TMC.4000.0001	194	< 220	250	132	165	8	30,5
		24/48	TMC.4000.0002							30,7
		55/110	TMC.4000.0003			240				30
		115/230	TMC.4000.0004							29,2
	>100V <1KV	> 6V <1KV	TMC.4000.****							< 31
5000 (min.4001 – max.5000VA)	230-400	12/24	TMC.5000.0001	200	< 200	270	160	130	11	29,7
		24/48	TMC.5000.0002							30
		55/110	TMC.5000.0003							29,4
		115/230	TMC.5000.0004							29
	>100V <1KV	> 6V <1KV	TMC.5000.****							< 30
6000 (min.5001 – max6000VA)	230-400	12/24	TMC.6000.0001	200	< 230	270	160	140	11	32,8
		24/48	TMC.6000.0002							32,6
		55/110	TMC.6000.0003							32
		115/230	TMC.6000.0004							32
	>100V <1KV	> 6V <1KV	TMC.6000.****							< 33
8000 (min.6001 – max8000VA)	230-400	12/24	TMC.8000.0001	240	< 250	380	180	140	11	39,6
		24/48	TMC.8000.0002							39
		55/110	TMC.8000.0003							40
		115/230	TMC.8000.0004							40
	>100V <1KV	> 6V <1KV	TMC.8000.****							< 40
10000 (min.8001 – max.10KVA)	230-400	12/24	1	240	< 200	380	180	150	11	47
		24/48	2							47,2
		55/110	3							47
		115/230	4							46
	>100V <1KV	> 6V <1KV	TMC.XX1K.****							< 48

N.B. The mechanical and/or electrical characteristics in the tables may vary without notice

POWER VA	CODE N°	MECHANICAL CHARACTERISTICS						
		LOSSES (W)		EFFICIENCY		I0	Vcc	ΔV
		OFF LOAD	ON LOAD	cosϕ 1	cosϕ 0,7	%	%	%
30	TMC.0030.****	2,5	5,5	0,84	0,8	84	10	6,7
40	TMC.0040.****	2,6	7	0,85	0,82	73	10	6,3
50	TMC.0050.****	3,2	7,5	0,87	0,84	69	10	5,2
63	TMC.0063.****	3,2	9,6	0,87	0,84	61	10	4,6
75	TMC.0075.****	3,3	10,3	0,88	0,85	54	9,5	4,5
100	TMC.0100.****	3,8	12,7	0,89	0,85	46	9,5	4,5
150	TMC.0150.****	6,8	14,8	0,91	0,87	33	7	4
200	TMC.0200.****	8,2	19,4	0,91	0,89	27	7	4
250	TMC.0250.****	8,4	23,6	0,92	0,89	20	6,8	4
300	TMC.0300.****	10,6	28,5	0,92	0,9	15	6,5	4
400	TMC.0400.****	12,5	34,6	0,92	0,9	12	6	3,8
500	TMC.0500.****	14	42	0,92	0,9	9,6	5,8	3,7
630	TMC.0630.****	15	51	0,93	0,9	10,4	6,2	3,7
800	TMC.0800.****	17	62	0,93	0,9	9,4	5,7	3,6
1000	TMC.1000.****	22	71	0,93	0,9	8,6	5,3	3,5
1250	TMC.1250.****	28	75	0,94	0,9	8,2	5	3,3
1500	TMC.1500.****	28	104	0,94	0,91	8,5	4,8	3,2
2000	TMC.2000.****	33	96	0,95	0,91	7,7	5	3,1
2500	TMC.2500.****	41	143	0,95	0,92	7,3	5	3
3000	TMC.3000.****	55	151	0,95	0,92	5,9	5	3
4000	TMC.4000.****	66	195	0,95	0,93	5,5	4,8	3
5000	TMC.5000.****	58	233	0,96	0,91	6,1	4,8	3
6000	TMC.6000.****	63	288	0,96	0,91	5,8	4,6	3
8000	TMC.8000.****	80	342	0,96	0,91	5,2	4,5	2,9
10000	TMC.XX1K.****	88	445	0,96	0,91	4,4	4	2,6

N.B. The mechanical and/or electrical characteristics in the tables may vary without notice

Some transformers in this series are IMQ approved extendable on request to other standard or special products.