



Product Data Sheet

Application: Transformer

Product Code: TI-020030-FART to TI-150030-FART

Product Name: F/ART Iron Core Transformer



- Features:**
- Italian made product
 - IP44 rated for outdoor use
 - Epoxy resin body for optimum heat dissipation
 - Output voltage available in 2000-15000VAC (actual voltage is dependent on the load and will be equal to or less than the value marked on the transformer)
 - Underlid connections for both primary and secondary leads, plus earth
 - Input voltage of 240VAC, 50Hz
 - 30mA short circuit current
 - 24mA (recommended) operating/load current

Specifications:

Product Code	Input Voltage	Input Amps (at full load)	Output Voltage	Output Circuit (short circuit)	Dimensions (LxWxH)
TI-020030-FART	240VAC, 50Hz	0.32	2kV	30mA	245x75x75mm
TI-040030-FART	240VAC, 50Hz	0.58	4kV	30mA	245x75x75mm
TI-060030-FART	240VAC, 50Hz	0.84	6kV	30mA	245x75x75mm
TI-070030-FART	240VAC, 50Hz	0.81	7kV	30mA	270x90x90mm
TI-080030-FART	240VAC, 50Hz	0.96	8kV	30mA	270x90x90mm
TI-090030-FART	240VAC, 50Hz	1.15	9kV	30mA	300x110x105mm
TI-100030-FART	240VAC, 50Hz	1.25	10kV	30mA	300x110x105mm
TI-120030-FART	240VAC, 50Hz	1.48	12kV	30mA	300x110x105mm
TI-150030-FART	240VAC, 50Hz	1.8	15kV	30mA	300x110x105mm



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- Meterage Chart:**
- Deduct approximately 300mm from the figures in the meterage chart for each pair of electrodes.
 - For exposed and extremely cold conditions, reduce meterage by 20%.
 - Most electronic (HF) transformers supplied are equivalent to 20mA iron core type. For specific loadings consult with your supplier.
 - The meterage chart is a guide only. Meterage may change amongst different brands, manufacturing and installation conditions. For accurate loading, a high voltage milliamp meter must be used. Refer to AS/NZS 3832:1998

TRANSFORMER RATING		APPROXIMATE NO. OF METERS OF TUBING OPERATED																TRANSFORMER RATING			
Secondary Voltage (V)	Short-Circuit Current (mA)	Red (Neon) Discharge								Blue (Argon/Hg.) Discharge								Short-Circuit Current (mA)	Secondary Voltage (V)		
		Tube Size in Millimeters								Tube Size in Millimeters											
		25	22	20	18	15	12	10	9	8	25	22	20	18	15	12	10	9	8		
15,000	60 & 30	31.1	25.9	23.8	22	18.3	13.7	11	9.8	8.8	37	30	27	24.4	22	18.5	13.4	11.9	10.7	60 & 30	15,000
12,000	60 & 30	24.1	20.4	18.6	16.7	13.7	10.7	8.8	7.9	7	29	24.1	21.3	18.9	16.8	12.8	10.7	9.5	8.2	60 & 30	12,000
10,000	60 & 30	21	17.3	15.2	13.1	11.3	8.8	7	6.1	5.5	24.7	20.4	17.4	14.9	13.4	10.7	8.5	7.3	6.4	60 & 30	10,000
9,000	60 & 30	18.8	15.5	14.6	12.2	10	7.9	6.4	5.5	4.8	22.3	19.5	16.8	13.7	12.2	9.5	7.6	6.7	5.8	60 & 30	9,000
	20					8.5	6.7	5.5	4.8	4.2					10.3	7.9	6.1	5.5	4.8	20	
7,500	60 & 30	15.5	12.5	10.3	8.5	7.9	6.4	5.2	4.5	3.9	18.6	14.6	11.9	10.7	9.5	7.6	6.1	5.5	4.8	60 & 30	7,500
	20					6.7	5.5	4.5	3.9	3.3					8.2	7.6	5.5	4.8	4.2	20	
6,000	60 & 30	12.1	10.3	8.5	7	6	5.2	3.9	3.6	3	14.6	12.2	9.8	8.5	7.3	6.1	4.8	4.2	3.6	60 & 30	6,000
	20					5.5	4.2	3.3	3	2.7					6.7	5.8	3.9	3.6	3	20	
5,000	60 & 30	10	8.5	7	5.8	5.2	3.6	3	2.4	2.1	12.2	10.1	8.2	7	6.1	4.5	3.6	3	2.4	60 & 30	5,000
	20					4.5	3.3	2.4	2.1	1.8					5.5	3.9	3.3	2.7	2.4	20	
4,000	60 & 30	8.2	7	5.8	4.8	3.9	3	2.4	2.1	1.8	9.8	8.2	6.7	5.8	4.8	3.6	2.7	2.4	2.1	60 & 30	4,000
	20					3.3	2.7	2.1	1.8	1.5					3.9	3.3	2.4	2.1	1.8	20	
3,000	60 & 30	5.2	4.2	2.8	3.3	3	2.4	1.8	1.5	1.2	6.7	5.5	4.8	4.2	3.6	2.7	2.1	1.8	1.5	60 & 30	3,000
	20					2.4	2.4	1.2	1.2	.9					3	2.1	1.5	1.5	1.2	20	
2,000	30					2.1	1.8	1.4	1.4	.9					2.7	2.1	1.5	1.5	1.2	30	2,000
	20					1.8	1.5	.9	.9	.6					2.1	1.8	1.2	1.2	.9	20	
Recommended Filling Pressure	Torr (mm/Hg.)	8	8	8	9	10	12	14	16	18	6	6	6	7	8	10	12	14	16	Torr (mm/Hg.)	Recommended Filling Pressure
	Millibar (mbar)	11	11	11	12	13	16	19	21	24	8	8	8	9	11	13	16	19	21	Millibar (mbar)	

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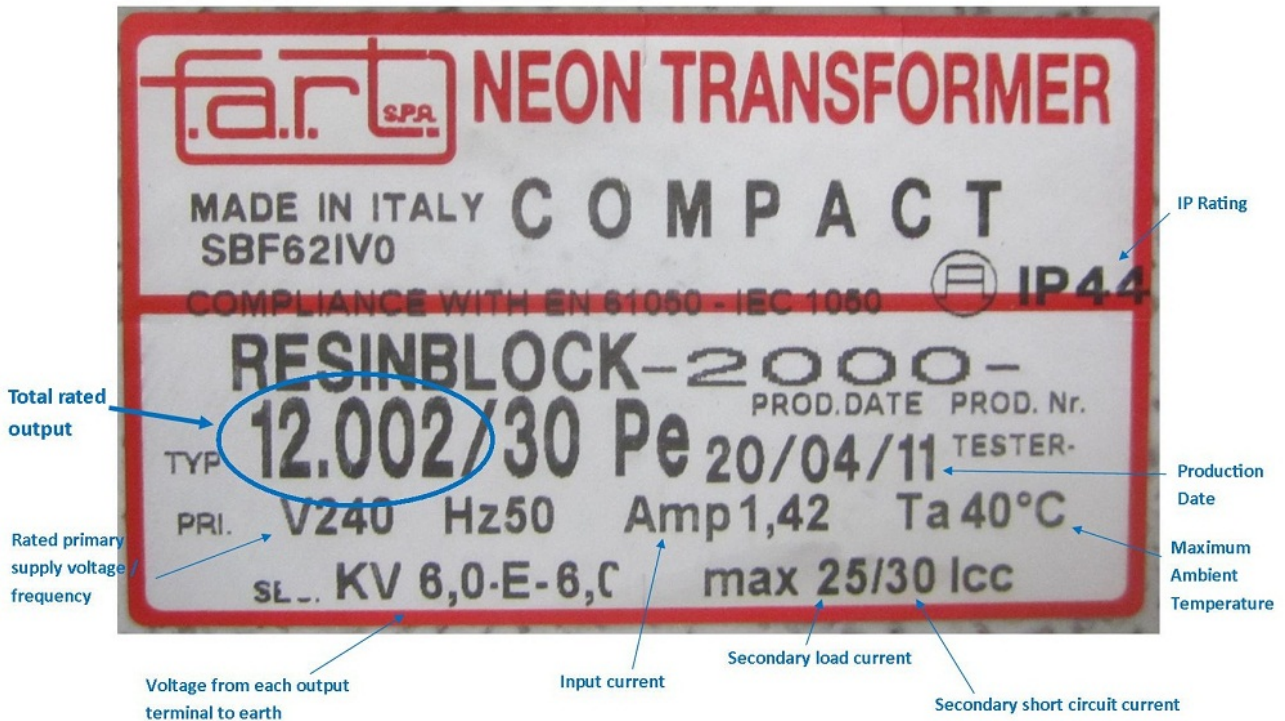
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Labelling:



Caution:

- This device produces high voltage and can create potential danger if not applied and installed properly.
- Suitability of this device for any purpose must be determined by the user.
- *This device should be fitted in accordance to Australian/New Zealand standards (AS/NZS 3000:2000) (AS/NZS 3832:1998) by a person qualified to do so.*