

SERIES DTS

ISOLATION TRANSFORMER

The **Series DTS** are designed with Delta primary and Wye secondary windings to supply isolated power to sensitive computer based equipment. The **Series DTS** are designed to meet or exceed the U. S. Government telecommunications standards. The **Series DTS** have multiple voltage capability on both the input and the output and they come equipped with an electrostatic shield for noise attenuation as well as surge protection and are capable of operation at either 50 or 60 Hz with no drop in the capacity rating. The standard **Series DTS** is supplied with copper windings and a high grade, low loss oriented silicon steel core for higher reliability and higher efficiency. The **Series DTS** are also supplied with multiple taps for maximum flexibility in adjusting to variable or unknown supply voltages.



Standard Equipment Features (XTMV models)

- Electrostatic shield
- 50 and 60 Hz rated
- 100% Copper Windings
- M6, Grain Oriented, Non Aging Silicon Steel
- Isolation between primary and secondary windings
- 4 taps –2 full capacity above nominal & 2 full capacity below nominal
- NEMA-1 enclosure
- Input: 3 wire - 184V to 504V
- Output: 4 wire - 480/277, 380/220, 208/120 Wye
- Class “H” insulation
- Floor mount
- ANSI C-89.2
- UL 506
- USAS C-57
- NEMA ST-1, ST-20
- NEMA TR-1, TR-27

Optional Features

- Dual Shield
- Triple Shield
- K-Ratings Up to K20
- Nema-3R
- Wall Mount
- Single phase model
- Custom Sizes Available



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System Specifications

INPUT						OUTPUT		
Nominal Voltage Available						Nominal Voltage Available		
➤ @ 60 Hz		208, 480				➤ @ 60 Hz		208/120, 480/277
➤ @ 50 Hz		208, 380, 415				➤ @ 50 Hz		380/220, 208/120
➤ Phase		3 Phase 3 Wire + Ground				➤ Phase		3 Phase 4 Wire + Ground
➤ Frequency Tolerance		47 to 63				➤ Voltage Compensation Taps		2 ½% taps (2) above and (2) below
Series DTS Ratings, Dimensions & Weights						➤ Output Impedance		3% @ 208V
MODEL	KVA	W	D	H	LBS	➤ Common Mode Noise		130 dB
DTS003XTMVXX	3	23	15	23	175	➤ Transverse Mode		3 dB to 10KHz
DTS005XTMVXX	5	23	15	23	205	THD (Total Harmonic Distortion)		
DTS7.5XTMVXX	7.5	23	15	23	205	➤ Total		1% Max
DTS010XTMVXX	10	23	15	23	255	Shielding Options		
DTS015XTMVXX	15	23	15	23	275	➤ Standard Shielding		
DTS025XTMVXX	25	26	18	28	525	➤ Double Shielding		
DTS030XTMVXX	30	26	18	28	585	➤ Triple Shielding		
DTS045XTMVXX	45	26	18	28	700	Overload Capacity		
DTS050XTMVXX	50	26	18	28	720	➤ 100% Rating		Continuous
DTS62.5XTMVXX	62.5	26	18	28	800	➤ 500% Rating		10 Seconds
DTS075XTMVXX	75	33	23	36	1000	➤ 1000% Rating		1 Cycle
DTS100XTMVXX	100	33	23	36	1400	ENVIRONMENT		
DTS112XTMVXX	112	33	23	36	1500	➤ Temperature		-20° C to 40° C
DTS125XTMVXX	125	33	23	36	1600	➤ Insulation		Class H 200° C
DTS150XTMVXX	150	43	28	46	1700	➤ Temp. Rise		115° C
DTS175XTMVXX	175	43	28	46	1850	➤ Altitude		0 to 1000 meters (0 to 3000 ft)
DTS200XTMVXX	200	43	28	46	2000	➤ Humidity		0 to 95% non-condensing
DTS225XTMVXX	225	43	28	46	2500	➤ Noise Level		< 50 dBa, 1 meter (3 ft)
DTS250XTMVXX	250	57	37	61	2600	>450 Kva		< 60 dBa, 1 meter (3 ft)
DTS300XTMVXX	300	57	37	61	2900	>550 Kva		< 64 dBa, 1 meter (3 ft)
DTS350XTMVXX	350	57	37	61	3200			
DTS400XTMVXX	400	57	37	61	3400			
DTS500XTMVXX	500	68	43	74	4200			
DTS600XTMVXX	600	68	43	74	5700			
XX = 2D, 200% Neutral and Dual Electrostatic Shield								
XX = 2S, 200% Neutral and Single Electrostatic Shield								
XX = SD, 100% Neutral and Dual Electrostatic Shield								
XX = SS, 100% Neutral and Single Shield								
Other Sizes Available - Consult factory								

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