

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



POWER SYSTEMS
& CONTROLS
THE POWER IS ON!

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
DTS2STMV-K13	2	22.5	15	23	175	➤ Transverse Mode		3 dB to 10KHz
DTS3XTMV-K13	3	22.5	15	23	200	THD (Total Harmonic Distortion)		
*DTS7.5STMV-K13	7.5	23	15	23	170	➤ Total		1% Max
DTS7.5XTMV-K13	7.5	23	15	23	205	Shielding Options		
*DTS10STSV-K13	10	23	15	23	200	➤ Standard Shielding		
*DTS10STMV-K13	10	23	15	23	240	➤ Double Shielding		
DTS10XTMV-K13	10	23	15	23	205	➤ Triple Shielding		
DTS15XTMV-K13	15	23	15	23	275	Overload Capacity		
DTS20XTMV-K13	20	23	15	23	400	➤ 100% Rating		Continuous
DTS25XTMV-K13	25	26	18	28	525	➤ 500% Rating		10 Seconds
DTS30XTMV-K13	30	26	18	28	585	➤ 1000% Rating		1 Cycle
DTS45XTMV-K13	45	26	18	28	700	ENVIRONMENT		
DTS50XTMV-K13	50	26	18	28	720	➤ Temperature		-20° C to 40° C
DTS62.5XTMV-K13	62.5	26	18	28	800	➤ Insulation		Class H 200° C
DTS75XTMV-K13	75	33	23	36	1000	➤ Temp. Rise		115° C
DTS100XTMV-K13	100	33	23	36	1400	➤ Altitude		0 to 1000 meters (0 to 3000 ft)
DTS112XTMV-K13	112.5	33	23	36	1500	➤ Humidity		0 to 95% non-condensing
DTS125XTMV-K13	125	43	28	46	1600	➤ Noise Level		< 50 dBa, 1 meter (3 ft)
DTS150XTMV-K13	150	43	28	46	1700	>450 Kva		< 60 dBa, 1 meter (3 ft)
*DTS150XTSV-K13	150	28	21	36	1500	>550 Kva		< 64 dBa, 1 meter (3 ft)
DTS175XTMV-K13	175	43	28	46	1850			
DTS200XTMV-K13	200	43	28	46	2000			
DTS225XTMV-K13	225	43	28	46	2500			
*DTS300XTSV-K13	300	57	37	61	2200			
DTS300XTMV-K13	300	57	37	61	2900			
DTS350XTMV-K13	350	57	37	61	3200			
*DTS350XTSV-K13	350	43	28	46	2500			
DTS400XTMV-K13	400	57	37	61	3400			
DTS500XTMV-K13	400	65	43	74	4200			
DTS600XTMV-K13	600	65	43	74	5700			
Other Sizes Available - Consult factory								
* Signifies non Specific Voltage or Frequency								

Power Systems & Controls reserves the right to improve, enhance and modify the features and specifications of its products and services without prior notification. Rev 8-13

POWER SYSTEMS
& CONTROLS
THE POWER IS ON!