

DRIVE ISOLATION TRANSFORMERS

Economical power conversion solutions!

Our standard drive isolation transformers offer cost effective solutions to facility power quality problems, line isolation or voltage change requirements. Our DT Series transformers are specially designed to improve the power supply quality for a non-linear load such as an ac variable frequency drive, dc drive, induction heating equipment or other SCR controllers. Our transformers help to improve your productivity while keeping tight controls on costs.

The standard features that you want!

Weight and cost are both minimized by our efficient use of aluminum winding conductors. Your installation costs are kept to a minimum through our use of finger-safe terminations on units rated less than 150 amps. Transformers with higher current ratings have solid copper tab type terminals. The UL200C temperature rating of our insulation materials are economically utilized while maintaining adequate operating safety margins.

Optional features available when needed!

There is no sense paying for features you don't need. That's why we've designed our standard ZST Series transformers to include the features you must have, but to leave all others as options for you to choose only when you need them. You can specify taps, thermal switches, enclosure types and many other options to your order when you need them.

Enclosures that meet your needs!

While many transformer companies only offer enclosed transformers, because they use the cabinet walls as the transformer mounting brackets, you'll be pleased to know that we'll accommodate your needs for the enclosure and mounting method you want. Whether you need open core & coil construction or enclosures for Nema 1, Nema 12 or Nema 3R applications. We'll even provide Nema 12 potted construction for maximum protection and minimum audible noise.



600 Volt or 5KV class

50hz, 60hz, 50/60hz

Three phase

Broad range of ratings available!

Whether you need to supply power to a 2MVA load, or a 10KVA load, we design and build a transformer to meet your needs. We can handle both low voltage and medium voltage requirements.

Multi pulse winding configurations

Use our DT Series transformers to supply 6-pulse, 12-pulse or 18-pulse equipment. You can also configure multiple DT Series transformers to accomplish harmonic cancellation between multiple loads.



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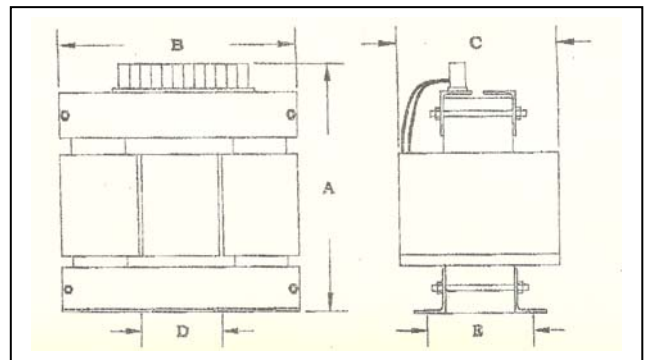
Selection: OPEN Type - Drive Isolation Transformers

Select our Drive Isolation Transformers based on the total apparent power requirements of the load. Be sure to include harmonic currents when using DT Series transformers to supply non-linear loads. When ordering, specify voltage ratings of primary and secondary windings along with any requirements for taps, shield, or enclosure.

KVA	OPEN Type (480:480, 60hz)				<u>Other voltages:</u> Substitute the following () voltage codes for (A6) in basic catalog number <u>Voltage Codes</u> 208:208, 60hz (G6) 240:240, 50hz (B5) 240:240, 60hz (B6) 380:380, 50hz (C5) 415:415, 50hz (D5) 600:600, 60hz (E6) 690:690, 50hz (F5) Any rating is available. Consult factory for any other ratings
	480:480, 60hz	With Shield	with taps - 1 set of +/-2.5%	w/shield and +/- 2.5% taps	
7.5	DT7A6	DTS7A6	DT7A6T1	DTS7A6T1	
11	DT11A6	DTS11A6	DT11A6T1	DTS11A6T1	
14	DT14A6	DTS14A6	DT14A6T1	DTS14A6T1	
20	DT21A6	DTS21A6	DT21A6T1	DTS21A6T1	
27	DT27A6	DTS27A6	DT27A6T1	DTS27A6T1	
34	DT34A6	DTS34A6	DT34A6T1	DTS34A6T1	
40	DT40A6	DTS40A6	DT40A6T1	DTS40A6T1	
51	DT51A6	DTS51A6	DT51A6T1	DTS51A6T1	
63	DT63A6	DTS63A6	DT63A6T1	DTS63A6T1	
75	DT75A6	DTS75A6	DT75A6T1	DTS75A6T1	
93	DT93A6	DTS93A6	DT93A6T1	DTS93A6T1	
118	DT118A6	DTS118A6	DT118A6T1	DTS118A6T1	
145	DT145A6	DTS145A6	DT145A6T1	DTS145A6T1	
175	DT175A6	DTS175A6	DT175A6T1	DTS175A6T1	
220	DT220A6	DTS220A6	DT220A6T1	DTS220A6T1	
275	DT275A6	DTS275A6	DT275A6T1	DTS275A6T1	
330	DT330A6	DTS330A6	DT330A6T1	DTS330A6T1	
440	DT440A6	DTS440A6	DT440A6T1	DTS440A6T1	
550	DT550A6	DTS550A6	DT550A6T1	DTS550A6T1	

Dimensions (inches) & Weight (pounds)

KVA	A	B	C	D	E	Weight
7.5	13	14.5	7.5	4.56	5.00	85
11	13	14.5	8.5	4.56	6.25	115
14	13	14.5	9.25	4.56	6.75	140
20	16	18	11	5.5	7.00	200
27	16	19	11	5.5	7.75	255
34	17	21	11	6	7.00	275
40	17	21	11	6	7.50	300
51	19	24	11	7	6.75	355
63	19	24	12.5	7	7.50	385
75	19	24	13.5	7	8.75	475
93	22	28	14.5	8.5	9.25	600
118	22	30	16	8.5	10.5	700
145	24	30	15	9	11.00	925
175	24	32	16	9.5	12.00	1150
220	25	34	16.5	9.75	11.75	1280
275	25	34	19	9.75	12.50	1350
330	30	38	21	11.5	12.50	1775
440	34	45	18	13	12.25	2150
550	34	45	21	13	13.50	2650



Data subject to change without notice.



Selection: NEMA Type 1- Drive Isolation Transformers

KVA	Nema 1 Type (480:480, 60hz)			
	480:480,60hz	With Shield	with taps - 1 set of +/-2.5%	With shield and +/- 2.5% taps
7.5	DT7A6N1	DTS7A6N1	DT7A6N1T1	DTS7A6N1T1
11	DT11A6N1	DTS11A6N1	DT11A6N1T1	DTS11A6N1T1
14	DT14A6N1	DTS14A6N1	DT14A6N1T1	DTS14A6N1T1
20	DT21A6N1	DTS21A6N1	DT21A6N1T1	DTS21A6N1T1
27	DT27A6N1	DTS27A6N1	DT27A6N1T1	DTS27A6N1T1
34	DT34A6N1	DTS34A6N1	DT34A6N1T1	DTS34A6N1T1
40	DT40A6N1	DTS40A6N1	DT40AN16T1	DTS40A6N1T1
51	DT51A6N1	DTS51A6N1	DT51A6N1T1	DTS51A6N1T1
63	DT63A6N1	DTS63A6N1	DT63A6N1T1	DTS63A6N1T1
75	DT75A6N1	DTS75A6N1	DT75A6N1T1	DTS75A6N1T1
93	DT93A6N1	DTS93A6N1	DT93A6N1T1	DTS93A6N1T1
118	DT118A6N1	DTS118A6N1	DT118A6N1T1	DTS118A6N1T1
145	DT145A6N1	DTS145A6N1	DT145A6N1T1	DTS145A6N1T1
175	DT175A6N1	DTS175A6N1	DT175A6N1T1	DTS175A6N1T1
220	DT220A6N1	DTS220A6N1	DT220A6N1T1	DTS220A6N1T1
275	DT275A6N1	DTS275A6N1	DT275A6N1T1	DTS275A6N1T1
330	DT330A6N1	DTS330A6N1	DT330A6N1T1	DTS330A6N1T1
440	DT440A6N1	DTS440A6N1	DT440A6N1T1	DTS440A6N1T1
550	DT550A6N1	DTS550A6N1	DT550A6N1T1	DTS550A6N1T1

Other voltages:

Substitute the following () voltage codes for (A6) in basic catalog number

Voltage Codes

208:208, 60hz (G6)
 240:240, 50hz (B5)
 240:240, 60hz (B6)
 380:380, 50hz (C5)
 415:415, 50hz (D5)
 600:600, 60hz (E6)
 690:690, 50hz (F5)

Any rating is available. Consult factory for any other ratings

Dimensions (inches) & Weight (pounds)

KVA	Height	Width	Depth	Weight
7.5	20	16	16	135
11	20	16	16	165
14	20	16	16	190
20	24	23	20	285
27	24	23	20	340
34	24	23	20	360
40	24	23	20	385
51	34	28	22	480
63	34	28	22	510
75	34	28	22	600
93	34	28	22	725
118	34	28	22	825
145	40	32	24	1075
175	40	32	24	1300
220	40	32	24	1400
275	46	36	24	1520
330	46	36	24	1870
440	65	45	35	2525
550	65	45	35	3025



SPECIFICATIONS: Drive Isolation Transformers

Power phases:	Three phase (single phase also available)
Voltage ratings:	(Specify PRI & SEC voltage on order)
Low Voltage	600 volts or less
Medium Voltage	5000 volts or less
Winding configuration:	(Specify winding configuration on order)
Standard	Delta Primary, Wye secondary
Optional	Delta: Delta, Wye: Wye, or multiple windings
Voltage taps:	Optional on all units (+/- 2.5%, +/- 5%, etc)
Frequency:	
Standard	60 hertz
Optional	50 hertz, 50/60 hertz
Impedance:	2% - 4% typical
Windings:	
Standard	Aluminum with copper terminals
Optional	Copper with copper terminals
Insulation system:	Class H (200°C) UL recognized insulation system
Temperature:	
Ambient	40°C maximum
Rise	155°C standard
Thermal switch:	Optional all units
Terminations:	
≤ 150 amps	Touchproof copper terminals
> 150 amps	Copper tab terminals
Electrostatic shield:	Optional on all units
Enclosures:	Open core & coil Nema type 1 (Floor standing) Nema type 12 (Floor standing) Nema type 12 potted

We will custom build any transformer to your exact specifications!



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