

New!

**EE Harmonic Mitigating Transformers**

Harmonic mitigating transformers use phase shifting, electromagnetic flux, and source impedance to help reduce harmonics in electrical distribution systems.

- Meet NEMA Standard TPI for energy efficiency
- Copper windings (aluminum windings optional)
- Class 200 insulation
- Double size neutral terminal for additional customer neutral cables
- cULus Listed
- Available with a 600 V, 240 V, or 208 V primary—Use the Product Selector to derive the part number
- Schneider Electric offers harmonic profile testing on all harmonic mitigating transformers, as well as on all standard transformers. Testing includes scoping the harmonic profile on the secondary winding to show the new reduced harmonic wave form on the primary winding. The impact of harmonics on transformer losses via modified NEMA ST-20 testing to include harmonic profile current.

**Table 14.13: EE Harmonic Mitigating Transformers**

kVA	Catalog No.	\$ Price	Full Capacity Taps	Weight (lbs) ▲	Enclosure ◆ ★
<b>480 V Delta Primary to 208/120 Secondary</b>					
<b>0° Phase Shift, 130 °C Rise</b>					
15	HM15T208NCU	12670.00	6-2.5% 2+4-	310	17D
30	HM30T208NCU	19416.00	6-2.5% 2+4-	340	17D
45	HM45T208NCU	23364.00	6-2.5% 2+4-	418	18D
75	HM75T208NCU	35204.00	6-2.5% 2+4-	642	20D
112.5	HM112T208NCU	46900.00	6-2.5% 2+4-	725	21D
150	HM150T208NCU	61226.00	6-2.5% 2+4-	915	22D
225	HM225T208NCU	81616.00	6-2.5% 2+4-	1125	24D
300	HM300T208NCU	104664.00	6-2.5% 2+4-	1535	25D
<b>+30° Phase Shift, 130 °C Rise</b>					
15	HM15T255NCU	12670.00	3-5% 1+3-	310	17D
30	HM30T255NCU	19416.00	3-5% 1+3-	340	17D
45	HM45T255NCU	23364.00	3-5% 1+3-	418	18D
75	HM75T255NCU	35204.00	3-5% 1+3-	642	20D
112.5	HM112T255NCU	46900.00	3-5% 1+3-	725	21D
150	HM150T255NCU	61226.00	3-5% 1+3-	915	22D
225	HM225T255NCU	81616.00	3-5% 1+3-	1125	24D
300	HM300T255NCU	104664.00	3-5% 1+3-	1535	25D
<b>+15° Phase Shift, 130 °C Rise</b>					
15	HM15T251NCU	12670.00	6-2.5% 2+4-	310	17D
30	HM30T251NCU	19416.00	6-2.5% 2+4-	340	17D
45	HM45T251NCU	23364.00	6-2.5% 2+4-	418	18D
75	HM75T251NCU	35204.00	6-2.5% 2+4-	642	20D
112.5	HM112T251NCU	46900.00	6-2.5% 2+4-	725	21D
150	HM150T251NCU	61226.00	6-2.5% 2+4-	915	22D
225	HM225T251NCU	81616.00	6-2.5% 2+4-	1125	24D
300	HM300T251NCU	104664.00	4-2.5% 2+2-	1535	25D
<b>-15° Phase Shift, 130 °C Rise</b>					
15	HM15T259NCU	12670.00	6-2.5% 2+4-	310	17D
30	HM30T259NCU	19416.00	6-2.5% 2+4-	340	17D
45	HM45T259NCU	23364.00	6-2.5% 2+4-	418	18D
75	HM75T259NCU	35204.00	6-2.5% 2+4-	642	20D
112.5	HM112T259NCU	46900.00	6-2.5% 2+4-	725	21D
150	HM150T259NCU	61226.00	6-2.5% 2+4-	915	22D
225	HM225T259NCU	81616.00	6-2.5% 2+4-	1125	24D
300	HM300T259NCU	104664.00	4-2.5% 2+2-	1535	25D

▲ Not for construction. Contact your local Schneider Electric sales office for certified prints.  
◆ For enclosure styles, see Dimensions Table, page 14-10.

**NOTE:** Lugs are furnished by customer.



**Drive Isolation Transformers**

Special design considerations must be made for the requirements of both adjustable frequency and dc motor drive power isolation. Allowance for high surge, harmonic and offset currents are taken into account in the design of Square D® brand drive isolation transformers. Drive isolation transformers are not shielded isolation transformers, but act to lessen transient generation into the supply power and act as a buffer for SCR current surges.

**Table 14.14: Drive Isolation Transformers**

kVA	Catalog No.	\$ Price	Full Capacity Taps	Weight (lbs) ◆	Enclosure ◆ ★
<b>Three-Phase 60 Hz; Class B (IEEE Standard 597-1983)</b>					
<b>460 V Delta Primary 460Y/265 V Secondary 60 Hz, 150 °C Rise</b>					
7.5	7T145HDIT	4464.00	2-5%1 + 1-	180	17D
11	11T145HDIT	5302.00	2-5%1 + 1-	180	17D
15	15T145HDIT	5464.00	2-5%1 + 1-	190	17D
20	20T145HDIT	6550.00	2-5%1 + 1-	210	17D
27	27T145HDIT	6722.00	2-5%1 + 1-	250	17D
34	34T145HDIT	7392.00	2-5%1 + 1-	295	18D
40	40T145HDIT	8406.00	2-5%1 + 1-	350	18D
51	51T145HDIT	9830.00	2-5%1 + 1-	445	20D
63	63T145HDIT	10694.00	2-5%1 + 1-	465	20D
75	75T145HDIT	12500.00	2-5%1 + 1-	550	20D
93	93T145HDIT	16026.00	2-5%1 + 1-	845	22D
118	118T145HDIT	17848.00	2-5%1 + 1-	920	22D
145	145T145HDIT	20014.00	2-5%1 + 1-	1025	22D
175	175T145HDIT	23096.00	2-5%1 + 1-	1120	25D
220	220T145HDIT	28228.00	2-5%1 + 1-	1200	25D
275	275T145HDIT	37720.00	2-5%1 + 1-	1500	25D
330	330T145HDIT	39694.00	2-5%1 + 1-	1390	25D
440	440T145HDIT	48660.00	2-5%1 + 1-	2700	30D
550	550T145HDIT	60456.00	2-5%1 + 1-	3800	30D
<b>460 V Delta Primary 230Y/132 V Secondary 60 Hz, 150 °C Rise</b>					
7.5	7T144HDIT	4464.00	2-5%1 + 1-	180	17D
11	11T144HDIT	5302.00	2-5%1 + 1-	180	17D
15	15T144HDIT	5464.00	2-5%1 + 1-	190	17D
20	20T144HDIT	6550.00	2-5%1 + 1-	210	17D
27	27T144HDIT	6722.00	2-5%1 + 1-	250	17D
34	34T144HDIT	7392.00	2-5%1 + 1-	295	18D
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145	145T144HDIT	20014.00	2-5%1 + 1-	1025	22D
175	175T144HDIT	23096.00	2-5%1 + 1-	1120	25D
220	220T144HDIT	28228.00	2-5%1 + 1-	1200	25D
275	275T144HDIT	37720.00	2-5%1 + 1-	1500	25D
330	330T144HDIT	39694.00	2-5%1 + 1-	1390	25D
440	440T144HDIT	48660.00	2-5%1 + 1-	2700	30D
550	550T144HDIT	60456.00	2-5%1 + 1-	3800	30D

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★ For enclosure styles, see Dimensions Table, page 14-10.

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