

**LV Transformers EZ Selector–Selection Assistance****LV Transformers EZ Selector****Steps to select an LV transformer.**

1. Select product type:
  - Three Phase – Energy Efficient – EX (DOE 2016)
  - Three Phase – Energy Efficient – EX, K-13 Rated (DOE 2016)
  - Three Phase – Energy Efficient – EX, Watchdog Low Temperature Rise (DOE 2016)
  - Single Phase – Energy Efficient – EE (DOE 2016)
  - Three Phase – Resin Encapsulated
  - Single Phase – Resin Encapsulated
2. Select kVA Rating – 15, 30, 45, 75, 112.5, 150, 225, 300, 500, or 750 kVA
3. Select Primary Voltage – 208, 240, 480, or 600 Vac Delta
4. Select Secondary Voltage – 208Y/120, 240 Vac Delta 120 V CT, 480Y/277
5. Select Mounting – Floor, Wall
6. Select Enclosure – Indoor (Type 1), Indoor (Type 2), Indoor/Outdoor (Type 3R), Indoor/Outdoor (Type 4X)
7. Select Temperature Rise – 55°C, 80°C, 115°C, 150°C
8. Select Material – Aluminum, Copper
9. Select Sound Level – 39 dB (6 dB below), 44 dB (6 dB below), 47 dB (3 dB below), 49 dB (6 dB below), 54 dB (6 dB below), 58 dB (6 dB below)

**Additional Information**

Search for “LV Transformers” from our technical FAQs page: [www.schneider-electric.us/en/faqs](http://www.schneider-electric.us/en/faqs)

For catalog information, please use this link: [LV Transformer Documents](#)

DOE 2016 Energy Efficient Three Phase

Table 14.1: EXN & EX Three-Phase 60 Hz, 208Y/120 Vac Secondary; UL Listed

| kVA                                                | Catalog No.  | Minimum Efficiency<br>@ 35% 75°C | Full Capacity Taps          | Degree C<br>Temp. Rise | Insulation<br>Class | %I <sub>Z</sub> | Sound<br>Level dB | Weight (lbs)<br>[2] | Enclosure[3] |
|----------------------------------------------------|--------------|----------------------------------|-----------------------------|------------------------|---------------------|-----------------|-------------------|---------------------|--------------|
| <b>480 Vac Delta Primary, Aluminum Windings</b>    |              |                                  |                             |                        |                     |                 |                   |                     |              |
| 15                                                 | EXN15T3H     | 97.89%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.03%           | 39 dB             | 188                 | 17M          |
| 30                                                 | EXN30T3H     | 98.23%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.80%           | 39 dB             | 303                 | 18M          |
| 45                                                 | EXN45T3H     | 98.40%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.10%           | 39 dB             | 369                 | 19M          |
| 75                                                 | EXN75T3H     | 98.60%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.90%           | 44 dB             | 515                 | 20M          |
| 112.5                                              | EXN112T3H    | 98.74%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.70%           | 44 dB             | 724                 | 21M          |
| 150                                                | EXN150T3H    | 98.83%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.10%           | 44 dB             | 933                 | 22M          |
| 225                                                | EX225T3H     | 98.94%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.4%            | 52 dB             | 1450                | 25J          |
| 300                                                | EX300T3H     | 99.02%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.0%            | 52 dB             | 1860                | 25J          |
| 500                                                | EX500T68H    | 99.14%                           | 4-2.5%2+2-                  | 150                    | 220                 | 4.9%            | 57 dB             | 2915                | 30J          |
| 750                                                | EX750T68H    | 99.23%                           | 4-2.5%2+2-                  | 150                    | 220                 | —               | 61 dB             | 4000                | 31J          |
| <b>600 Vac Delta Primary, Aluminum Windings</b>    |              |                                  |                             |                        |                     |                 |                   |                     |              |
| 15                                                 | EXN15T65H    | 97.89%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.32%           | 39 dB             | 188                 | 17M          |
| 30                                                 | EXN30T65H    | 98.23%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.70%           | 39 dB             | 324                 | 18M          |
| 45                                                 | EXN45T65H    | 98.40%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.10%           | 39 dB             | 368                 | 19M          |
| 75                                                 | EXN75T65H    | 98.60%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.67%           | 44 dB             | 513                 | 20M          |
| 112.5                                              | EXN112T65H   | 98.74%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.62%           | 44 dB             | 727                 | 21M          |
| 150                                                | EXN150T65H   | 98.83%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.14%           | 44 dB             | 1002                | 22M          |
| 225                                                | EX225T65H    | 98.94%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.2%            | 52 dB             | 1450                | 25J          |
| 300                                                | EX300T65H    | 99.02%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.3%            | 52 dB             | 1860                | 25J          |
| 500                                                | EX500T79H    | 99.14%                           | 4-2.5%2+2-                  | 150                    | 220                 | —               | 57 dB             | 2915                | 30J          |
| 750                                                | EX750T79H    | 99.23%                           | 4-2.5%2+2-                  | 150                    | 220                 | —               | 61 dB             | 4000                | 31J          |
| <b>208 Vac Delta Primary, Aluminum Windings[4]</b> |              |                                  |                             |                        |                     |                 |                   |                     |              |
| 15                                                 | EXN15T3156H  | 97.89%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.04%           | 39 dB             | 192                 | 17M          |
| 30                                                 | EXN30T3156H  | 98.23%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.22%           | 39 dB             | 363                 | 18M          |
| 45                                                 | EXN45T3156H  | 98.40%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.04%           | 39 dB             | 396                 | 19M          |
| 75                                                 | EXN75T3156H  | 98.60%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.88%           | 44 dB             | 526                 | 20M          |
| 112.5                                              | EXN112T3156H | 98.74%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.48%           | 44 dB             | 811                 | 21M          |
| 150                                                | EXN150T3156H | 98.83%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.22%           | 44 dB             | 1015                | 22M          |
| 225                                                | EX225T211H   | 98.94%                           | 3-5%1+2-                    | 150                    | 220                 | 4.7%            | 52 dB             | 1450                | 25J          |
| 300                                                | EX300T211H   | 99.02%                           | 3-5%1+2-                    | 150                    | 220                 | 4.4%            | 52 dB             | 1860                | 25J          |
| 500                                                | EX500T211H   | 99.14%                           | 3-5%1+2-                    | 150                    | 220                 | —               | 57 dB             | 2915                | 30J          |
| <b>240 Vac Delta Primary, Aluminum Windings[4]</b> |              |                                  |                             |                        |                     |                 |                   |                     |              |
| 15                                                 | EXN15T3156H  | 97.89%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.04%           | 39 dB             | 192                 | 17M          |
| 30                                                 | EXN30T3156H  | 98.23%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.22%           | 39 dB             | 363                 | 18M          |
| 45                                                 | EXN45T3156H  | 98.40%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.04%           | 39 dB             | 396                 | 19M          |
| 75                                                 | EXN75T3156H  | 98.60%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.88%           | 44 dB             | 526                 | 20M          |
| 112.5                                              | EXN112T3156H | 98.74%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.48%           | 44 dB             | 811                 | 21M          |
| 150                                                | EXN150T3156H | 98.83%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.22%           | 44 dB             | 1015                | 22M          |
| 225                                                | EX225T239H   | 98.94%                           | 3-5%1+2-                    | 150                    | 220                 | 4.6%            | 52 dB             | 1450                | 25J          |
| 300                                                | EX300T239H   | 99.02%                           | 3-5%1+2-                    | 150                    | 220                 | 5.2%            | 52 dB             | 1860                | 25J          |
| 500                                                | EX500T239H   | 99.14%                           | 3-5%1+2-                    | 150                    | 220                 | —               | 57 dB             | 2915                | 30J          |
| <b>480 Vac Delta Primary, Copper Windings</b>      |              |                                  |                             |                        |                     |                 |                   |                     |              |
| 15                                                 | EXN15T3HCU   | 97.89%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.06%           | 39 dB             | 222                 | 17M          |
| 30                                                 | EXN30T3HCU   | 98.23%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.08%           | 39 dB             | 356                 | 18M          |
| 45                                                 | EXN45T3HCU   | 98.40%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.44%           | 39 dB             | 399                 | 19M          |
| 75                                                 | EXN75T3HCU   | 98.60%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.99%           | 44 dB             | 661                 | 20M          |
| 112.5                                              | EXN112T3HCU  | 98.74%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.27%           | 44 dB             | 974                 | 21M          |
| 150                                                | EXN150T3HCU  | 98.83%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.60%           | 44 dB             | 1156                | 22M          |
| 225                                                | EX225T3HCU   | 98.94%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.7%            | 52 dB             | 1545                | 25J          |
| 300                                                | EX300T3HCU   | 99.02%                           | 6-2.5%2+4-                  | 150                    | 220                 | 6.0%            | 52 dB             | 1975                | 25J          |
| 500                                                | EX500T68HCU  | 99.14%                           | 4-2.5%2+2-                  | 150                    | 220                 | 4.8%            | 57 dB             | 3705                | 30J          |
| 750                                                | EX750T68HCU  | 99.23%                           | 4-2.5%2+2-                  | 150                    | 220                 | 5.3%            | 61 dB             | 4400                | 31J          |

Table 14.2: EXN & EX Three-Phase 60 Hz, 480Y/277 Vac Secondary; UL Listed

| kVA                                                | Catalog No.  | Minimum Efficiency<br>@ 35% 75°C | Full Capacity Taps          | Degree C<br>Temp. Rise | Insulation<br>Class | %I <sub>Z</sub> | Sound<br>Level | Weight (lbs)[2] | Enclosure[3] |
|----------------------------------------------------|--------------|----------------------------------|-----------------------------|------------------------|---------------------|-----------------|----------------|-----------------|--------------|
| <b>208 Vac Delta Primary, Aluminum Windings[5]</b> |              |                                  |                             |                        |                     |                 |                |                 |              |
| 15                                                 | EXN15T3155H  | 97.89%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 4.01%           | 39 dB          | 191             | 17M          |
| 30                                                 | EXN30T3155H  | 98.23%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.43%           | 39 dB          | 335             | 18M          |
| 45                                                 | EXN45T3155H  | 98.40%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.86%           | 39 dB          | 395             | 19M          |
| 75                                                 | EXN75T3155H  | 98.60%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.94%           | 44 dB          | 544             | 20M          |
| 112.5                                              | EXN112T3155H | 98.74%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.67%           | 44 dB          | 735             | 21M          |
| 150                                                | EXN150T3155H | 98.83%                           | 192/200/208/216/232/240/248 | 150                    | 220                 | 3.12%           | 44 dB          | 1020            | 22M          |
| 225                                                | EX225T212H   | 98.94%                           | 3-5%1+2-                    | 150                    | 220                 | 5.8%            | 52 dB          | 1450            | 25J          |
| 300                                                | EX300T212H   | 99.02%                           | 3-5%1+2-                    | 150                    | 220                 | 5.2%            | 52 dB          | 1860            | 25J          |
| 500                                                | EX500T212H   | 99.14%                           | 3-5%1+2-                    | 150                    | 220                 | 4.8%            | 57 dB          | 2915            | 30J          |
| <b>480 Vac Delta Primary, Aluminum Windings</b>    |              |                                  |                             |                        |                     |                 |                |                 |              |
| 15                                                 | EXN15T1814H  | 97.89%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.62%           | 39 dB          | 191             | 17M          |
| 30                                                 | EXN30T1814H  | 98.23%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.50%           | 39 dB          | 333             | 18M          |
| 45                                                 | EXN45T1814H  | 98.40%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.95%           | 39 dB          | 373             | 19M          |
| 75                                                 | EXN75T1814H  | 98.60%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.03%           | 44 dB          | 531             | 20M          |
| 112.5                                              | EXN112T1814H | 98.74%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.53%           | 44 dB          | 730             | 21M          |
| 150                                                | EXN150T1814H | 98.83%                           | 6-2.5%2+4-                  | 150                    | 220                 | 3.08%           | 44 dB          | 1012            | 22M          |
| 225                                                | EX225T1814H  | 98.94%                           | 6-2.5%2+4-                  | 150                    | 220                 | 4.6%            | 52 dB          | 1450            | 25J          |
| 300                                                | EX300T1814H  | 99.02%                           | 6-2.5%2+4-                  | 150                    | 220                 | 5.4%            | 52 dB          | 1860            | 25J          |
| 500                                                | EX500T76H    | 99.14%                           | 4-2.5%2+2-                  | 150                    | 220                 | —               | 57 dB          | 2915            | 30J          |

[2] Not for construction, Contact your local Schneider Electric representative for certified prints.

[3] For enclosure styles, see Table 14.8 Enclosure Dimensions and Accessories, page 14-8

[4] 3156 Catalog Numbers are shipped connected as 240 V.

[5] 3155 Catalog Numbers are shipped connected as 240 V.