

## KURU TİP TRAFOLAR- TEKNİK DEĞERLER (AEG-ETİ BROŞÜRÜNDEN)

100-20000 kVA: BIL 200 kV'a kadar; 50 Hz.  
Dizayn DIN 42523'e uygun ve normal kayıplı

| Anma Gücü<br>PN<br>kVA | Max. İşletme Gerilimi<br>UM<br>kV | Anma Yıldırım Darbe<br>UrB 1) | Kısa Devre Gerilimi<br>(75° C'de)<br>UkN | TİP       | Boştaki Kayıplar<br>Po<br>W | Yükteki Kayıplar<br>(75° C'de)<br>Pk<br>W | Yüksek Gerilim YG <sub>2</sub><br>UN1<br>kV | Alçak Gerilim<br>AG <sub>3</sub><br>UN2<br>V | Gürültü <sup>4)</sup><br>Gücü<br>(Gürültü Basıncı)<br>LWA (LPA)<br>dB |
|------------------------|-----------------------------------|-------------------------------|--|-----------|-----------------------------|---|---|--|---|
| 100                    | 12                                | 75                            | 4  | TTG 110-4 | 390                         | 7150                                      | 5.0...11.4                                  | ≤ 600  | 59 (46)   |
|                        | 12                                | 75                            | 6  | TTG 110-6 | 350                         | 1800                                      | 5.0...11.4                                  | ≤ 600  | 59 (46)   |
|                        | 24                                | 125                           | 6  | TTG 120-6 | 400                         | 2000                                      | 11.4...22.86                                | ≤ 600  | 59 (46)   |
|                        | 36                                | 170                           | 6  | TTG 130-6 | 700                         | 2600                                      | 22.86...34.5                                | ≤ 600  | 61 (46)   |
| 125                    | 12                                | 75                            | 4  | TTG 135-4 | 410                         | 2000                                      | 5.0...11.4                                  | ≤ 600  | 61 (45)   |
|                        | 12                                | 75                            | 6  | TTG 135-6 | 400                         | 2100                                      | 5.0...11.4                                  | ≤ 600  | 60 (46)   |
|                        | 24                                | 125                           | 6  | TTG 145-6 | 450                         | 2050                                      | 11.4...22.86                                | ≤ 600  | 60 (48)   |
|                        | 36                                | 170                           | 6  | TTG 155-6 | 770                         | 2750                                      | 22.86...34.5                                | ≤ 600  | 62 (46)   |
| 160                    | 12                                | 75                            | 4  | TTG 170-4 | 530                         | 2200                                      | 5.0...11.4                                  | ≤ 600  | 62 (46)   |
|                        | 12                                | 75                            | 6  | TTG 170-6 | 500                         | 2350                                      | 5.0...11.4                                  | ≤ 600  | 62 (46)   |
|                        | 24                                | 125                           | 6  | TTG 180-6 | 540                         | 2300                                      | 11.4...22.86                                | ≤ 600  | 62 (46)   |
|                        | 36                                | 170                           | 6  | TTG 190-6 | 860                         | 2800                                      | 22.86...34.5                                | ≤ 600  | 64 (46)   |
| 200                    | 12                                | 75                            | 4  | TTG 210-4 | 600                         | 2450                                      | 5.0...11.4                                  | ≤ 600  | 63 (47)   |
|                        | 12                                | 75                            | 6  | TTG 210-6 | 550                         | 2500                                      | 5.0...11.4                                  | ≤ 600  | 64 (48)   |
|                        | 24                                | 125                           | 6  | TTG 220-6 | 660                         | 2550                                      | 11.4...22.86                                | ≤ 600  | 64 (48)   |
|                        | 36                                | 170                           | 6  | TTG 230-6 | 1000                        | 3200                                      | 22.86...34.5                                | ≤ 600  | 66 (48)   |
| 250                    | 12                                | 75                            | 4  | TTG 260-4 | 740                         | 2800                                      | 5.0...11.4                                  | ≤ 600  | 65 (49)   |
|                        | 12                                | 75                            | 6  | TTG 260-6 | 630                         | 2950                                      | 5.0...11.4                                  | ≤ 600  | 65 (48)   |
|                        | 24                                | 125                           | 6  | TTG 270-6 | 780                         | 3000                                      | 11.4...22.86                                | ≤ 600  | 65 (48)   |
|                        | 36                                | 170                           | 6  | TTG 280-6 | 1100                        | 3500                                      | 22.86...34.5                                | ≤ 600  | 67 (48)   |
| 315                    | 12                                | 75                            | 4  | TTG 325-4 | 830                         | 3300                                      | 5.0...11.4                                  | ≤ 600  | 68 (49)   |
|                        | 12                                | 75                            | 6  | TTG 325-6 | 750                         | 3400                                      | 5.0...11.4                                  | ≤ 600  | 67 (49)   |
|                        | 24                                | 125                           | 6  | TTG 335-6 | 920                         | 3500                                      | 11.4...22.86                                | ≤ 600  | 67 (49)   |
|                        | 36                                | 170                           | 6  | TTG 345-6 | 1250                        | 3800                                      | 22.86...34.5                                | ≤ 600  | 69 (49)   |
| 400                    | 12                                | 75                            | 4  | TTG 410-4 | 1000                        | 4000                                      | 5.0...11.4                                  | ≤ 600  | 68 (52)   |
|                        | 12                                | 75                            | 6  | TTG 410-6 | 870                         | 4200                                      | 5.0...11.4                                  | ≤ 600  | 58 (52)   |
|                        | 24                                | 125                           | 6  | TTG 420-6 | 1100                        | 4300                                      | 11.4...22.86                                | ≤ 600  | 68 (50)   |
|                        | 36                                | 170                           | 6  | TTG 430-6 | 1550                        | 4300                                      | 22.86...34.5                                | ≤ 600  | 70 (50)   |
| 500                    | 12                                | 75                            | 4  | TTG 510-4 | 1220                        | 4800                                      | 5.0...11.4                                  | ≤ 600  | 69 (53)   |
|                        | 12                                | 75                            | 6  | TTG 510-6 | 1140                        | 5550                                      | 5.0...11.4                                  | ≤ 600  | 69 (52)   |
|                        | 24                                | 125                           | 6  | TTG 520-6 | 1300                        | 5300                                      | 11.4...22.86                                | ≤ 600  | 69 (52)   |
|                        | 36                                | 170                           | 6  | TTG 530-6 | 1850                        | 5000                                      | 22.86...34.5                                | ≤ 600  | 71 (52)   |
| 630                    | 12                                | 75                            | 4  | TTG 640-4 | 1500                        | 6000                                      | 5.0...11.4                                  | ≤ 600  | 70 (53)   |
|                        | 12                                | 75                            | 6  | TTG 640-6 | 1400                        | 7000                                      | 5.0...11.4                                  | ≤ 600  | 70 (53)   |
|                        | 24                                | 125                           | 6  | TTG 650-6 | 1570                        | 6600                                      | 11.4...22.86                                | ≤ 600  | 70 (52)   |
|                        | 36                                | 170                           | 6  | TTG 660-6 | 2300                        | 5400                                      | 22.86...34.5                                | ≤ 600  | 72 (52)   |
| 800                    | 12                                | 75                            | 4  | TTG 810-4 | 1800                        | 7800                                      | 5.0...11.4                                  | ≤ 600  | 71 (54)   |
|                        | 12                                | 75                            | 6  | TTG 810-6 | 1580                        | 8200                                      | 5.0...11.4                                  | ≤ 600  | 72 (54)   |

|       |    |     |    |              |       |       |              |         |         |
|-------|----|-----|----|--------------|-------|-------|--------------|---------|---------|
|       | 24 | 125 | 6  | TTG 820-6    | 1750  | 8500  | 11.4...22.86 | ≤ 600   | 72 (54) |
|       | 36 | 170 | 6  | TTG 830-6    | 2750  | 7500  | 22.86...34.5 | ≤ 600   | 74 (54) |
| 1000  | 12 | 75  | 4  | TTG 1010-4   | 2150  | 9500  | 5.0...11.4   | ≤ 600   | 73 (55) |
|       | 12 | 75  | 6  | TTG 1010-6   | 2000  | 9500  | 5.0...11.4   | ≤ 600   | 73 (54) |
|       | 24 | 125 | 6  | TTG 1020-6   | 2200  | 10500 | 11.4...22.86 | ≤ 600   | 73 (54) |
|       | 36 | 170 | 6  | TTG 1030-6   | 3250  | 9000  | 22.86...34.5 | ≤ 600   | 75 (54) |
| 1250  | 12 | 75  | 4  | TTG 1260-4   | 2550  | 11400 | 5.0...11.4   | ≤ 600   | 75 (57) |
|       | 12 | 75  | 6  | TTG 1260-6   | 2300  | 11200 | 5.0...11.4   | ≤ 600   | 75 (56) |
|       | 24 | 125 | 6  | TTG 1270-6   | 2500  | 12000 | 11.4...22.86 | ≤ 600   | 75 (56) |
|       | 36 | 170 | 6  | TTG 1280-6   | 3650  | 12000 | 22.86...34.5 | ≤ 600   | 77 (56) |
| 1600  | 12 | 75  | 4  | TTG 1610-4   | 3050  | 12800 | 5.0...11.4   | ≤ 600   | 76 (57) |
|       | 12 | 75  | 6  | TTG 1610-6   | 2800  | 13500 | 5.0...11.4   | ≤ 600   | 76 (57) |
|       | 24 | 125 | 6  | TTG 1620-6   | 3000  | 14000 | 11.4...22.86 | ≤ 600   | 76 (56) |
|       | 36 | 170 | 6  | TTG 1630-6   | 4300  | 14500 | 22.86...34.5 | ≤ 600   | 78 (56) |
| 2000  | 12 | 75  | 6  | TTG 2010-6   | 3300  | 16000 | 5.0...11.4   | ≤ 600   | 77 (56) |
|       | 24 | 125 | 6  | TTG 2020-6   | 3600  | 16500 | 11.4...22.86 | ≤ 600   | 77 (56) |
|       | 36 | 170 | 6  | TTG 2030-6   | 4800  | 17500 | 22.86...34.5 | ≤ 600   | 79 (56) |
| 2500  | 12 | 75  | 6  | TTG 2510-6   | 3800  | 18000 | 5.0...11.4   | ≤ 600   | 77 (61) |
|       | 24 | 125 | 6  | TTG 2520-6   | 4500  | 20000 | 11.4...22.86 | ≤ 600   | 77 (61) |
|       | 36 | 170 | 7  | TTG 2530-7   | 5400  | 20000 | 22.86...34.5 | ≤ 600   | 77 (61) |
| 3150  | 12 | 75  | 6  | TTG 3160-6   | 4700  | 2700  | 5.0...11.4   | ≥ 600   | 77 (61) |
|       | 24 | 125 | 7  | TTG 3170-7   | 5200  | 23000 | 11.4...22.86 | ≥ 600   | 77 (61) |
|       | 36 | 170 | 7  | TTG 3180-7   | 6900  | 23500 | 22.86...34.5 | ≥ 600   | 77 (61) |
| 4000  | 24 | 125 | 7  | TTG 4020-7   | 6000  | 25600 | 5.0...22.86  | ≥ 1200  | 77 (61) |
|       | 36 | 170 | 8  | TTG 4030-8   | 8000  | 28500 | 22.86...34.5 | ≥ 1200  | 77 (61) |
| 5000  | 24 | 125 | 8  | TTG 5020-8   | 7200  | 28000 | 5.0...22.86  | ≥ 3000  | 81 (64) |
|       | 36 | 170 | 8  | TTG 5030-8   | 9500  | 31000 | 22.86...34.5 | ≥ 3000  | 81 (64) |
| 6300  | 24 | 125 | 8  | TTG 6320-8   | 9200  | 33000 | 5.0...22.86  | ≥ 5000  | 82 (64) |
|       | 36 | 170 | 8  | TTG 6330-8   | 11400 | 36000 | 22.86...34.5 | ≥ 5000  | 82 (64) |
| 8000  | 24 | 125 | 8  | TTG 8020-8   | 11200 | 39000 | 5.0...22.86  | ≥ 6300  | 85 (66) |
|       | 36 | 170 | 9  | TTG 8030-9   | 13500 | 40000 | 22.86...34.5 | ≥ 6300  | 85 (66) |
| 10000 | 24 | 125 | 9  | TTG 10020-9  | 13500 | 44000 | 5.0...22.86  | ≥ 6300  | 85 (66) |
|       | 36 | 170 | 9  | TTG 10030-9  | 16000 | 44000 | 22.86...34.5 | ≥ 6300  | 85 (66) |
| 12500 | 24 | 125 | 9  | TTG 12520-9  | 17200 | 49000 | 11.4...22.86 | ≥ 6300  | 87 (66) |
|       | 36 | 170 | 9  | TTG 12530-9  | 17200 | 49000 | 22.86...34.5 | ≥ 6300  | 87 (66) |
| 16000 | 24 | 125 | 10 | TTG 16020-10 | 22000 | 56000 | 11.4...22.86 | ≥ 11000 | 88 (67) |
|       | 36 | 170 | 10 | TTG 16030-10 | 22000 | 56000 | 22.86...34.5 | ≥ 11000 | 88 (67) |
| 20000 | 24 | 125 | 10 | TTG 20020-10 | 26000 | 65000 | 11.4...22.86 | ≥ 11000 | 89 (67) |
|       | 36 | 170 | 10 | TTG 20030-10 | 26000 | 65000 | 22.86...34.5 | ≥ 11000 | 89 (67) |

1) YG: Ueff/Us (kV)

28/75 (5.0<UNI<11.4  
36/95 (11.4<UNI<17.5  
50/125 (17.5<UNI<22.86)  
70/170 (22.86<UNI<34.5)

2) (5.0...11.4 kV arasında)  
(11.4...22.86 kV arasında)  
(22.86...34.5 kV arasında)  
3) AG Anma Gerilimi (kV)

YG Anma Gerilimi (kV) 5;6;10,11 Ayar Sahası (2.5 ± %5.0)  
YG Anma Gerilimi (kV) 15,20,22 Ayar Sahası (2.5 ± %5.0)  
YG Anma Gerilimi (kV) 25,30,33,34.5 Ayar Sahası (2.5 ± %5.0)  
0.400, 0.433, 0.525, 0.600, 3150 kVA'dan yukarı 0.600<UN2<6.3

\* Bu sayfadaki bilgiler TMMOB Elektrik Mühendisleri Odasının resmi web sayfası olan [www.emo.org.tr](http://www.emo.org.tr) den alınmıştır.