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# 2025 PRICE LIST



**TIBCON**  
ENERGY TECHNOLOGIES



Tibcon Energy Technologies, a leading Turkish company specializing in power quality systems, has emerged as a nationally recognized brand through its excellence in delivering advanced compensation solutions. Established in 2013 with a focus on the design, sales, and marketing of energy quality systems, the company has achieved rapid growth. Today, it serves customers across Turkey via an extensive network of over 2,500 authorized dealer sales points.

Backed by a young, dynamic, and highly skilled technical team, Tibcon Energy provides efficient, reliable, and cost-effective solutions for a diverse range of applications, including control panels, industrial facilities, commercial enterprises, hotels, hospitals, shopping malls, universities, and agricultural irrigation systems. In a market where energy is both a valuable and costly resource, the company ensures optimal customer satisfaction by leveraging its strong inventory capacity, widespread distribution network, and commitment to superior product quality—making customer-centricity its foundational principle.

Guided by the motto “Quality at the Best Price,” Tibcon Energy combines extensive industry expertise with high-performance products to solidify its position as a trusted and respected national brand.

Tibcon Enerji Teknolojileri A.Ş.







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## TIBCON POWER CAPACITOR

#### Technical Specifications of Aluminum Cylindrical and Box-Type Power Capacitors

|                                                             |                                                                                                                                                                                  |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standart<br>Standard                                        | IEC 60831 - 1&2, IS: 13340                                                                                                                                                       |
| Tip<br>Type                                                 | MKP Silindir / Cylindrical - Çelik / Steel (Box Tip)                                                                                                                             |
| Güç Aralığı<br>Rated Reactive Power                         | 0.25 - 50 Kvar Tek Ünite / Single Unit                                                                                                                                           |
| Anma Gerilimi<br>Rated Voltage                              | 230 - 400 - 440- 480 - 525 - 690 - 830 VAC / Volts                                                                                                                               |
| Frekans<br>Rated Frequency                                  | 50/60 Hz                                                                                                                                                                         |
| Maksimum aşırı Gerilim U Max<br>Maksimum Over Voltage U Max | Un + %10 - 8 sa/24 sa / 8h in every 24h<br>Un + %15 - 30 dk / 24 sa / 30min in every 24h<br>Un + %20 - 5dk/24 sa / 5min in every 24h<br>Un + %30 - 1dk/24 sa / 1min in every 24h |
| Dielektrik<br>Dielectric System                             | MPP Film - Kendini Onarabilen<br>Metallized Polypropylene Film, Self-Healing                                                                                                     |
| Aşırı Akım<br>Over Current                                  | Up to 1.3*IR (2xin)                                                                                                                                                              |
| Kayıplar<br>Losses                                          | <0.2 Watt/Kvar (without resistor)<br><0,45 Watt/ Kvar (with resistor)                                                                                                            |
| Koruma Sınıf<br>Protection Class                            | Ip20                                                                                                                                                                             |
| Soğutma<br>Cooling                                          | Doğal Soğutma / Natural Air Cooled                                                                                                                                               |
| Maksimum Yükseklik<br>Max Above Sea Level                   | 4000 mt                                                                                                                                                                          |
| Kasa<br>Case                                                | Alüminyum Kasa / Kutu Tip Çelik Kasa<br>Aluminium Case / Box Type Steel Case                                                                                                     |
| Deşarj<br>Discharge Resistor                                | Dahili deşarj direnci 50 voltun altına 60 sn'de düşer.<br>Special Desing Internal Discharge Resistance 50 V in less than 60 sec.                                                 |
| Terminal<br>Terminals                                       | 16 mm Kablo Kesitine Uygun Ark Korumalı<br>Çift ve Üç Yönlü Terminal<br>Max 16 mm Cable With Arc Protection<br>Double Three Day Terminal                                         |
| Uygulama<br>Execution                                       | Dahili ve Harici / Indoor and Outdoor                                                                                                                                            |
| Kullanım Ömrü<br>Life Expectany                             | 130.000 Saat/h +65°   180.000 Saat/h +55°<br>100.000 Saat/h -25°   80.000 Saat/h -40°                                                                                            |
| Darbe Akımı<br>Inrush Current                               | 200 xI <sub>n</sub> 'ye kadar                                                                                                                                                    |
| Kapasite Toleransı<br>Tolerance on Capacitance              | -%5 to +%10                                                                                                                                                                      |
| Test Gerilimi Terminal<br>Test Voltage Terminal to Terminal | 2,15xUN, AC 2 sn/sec                                                                                                                                                             |
| Test Gerilimi Kasa<br>Test Voltage to Casing                | 2xUn+2000 V veya 3000V AC 10 s                                                                                                                                                   |
| Ortam Sıcaklığı<br>Temperature Category                     | -25 C / +65 C (-40/D Temp.Cat 80.000)                                                                                                                                            |
| Montaj Pozisyonu<br>Mounting Position                       | Yatay ve Dikey Horizaontally and Vertically                                                                                                                                      |
| Maksimum Nem<br>Max Humidity                                | %95                                                                                                                                                                              |
| Montaj ve Topraklama<br>Grounding and Mounting              | M12 Civata ile / With M12 Stud                                                                                                                                                   |
| Koruma Özelliği<br>Protection Type                          | Kuru tip aşırı basınçta açan, kendi kendini onarabilen<br>Dry Type, Self-Healing, Over Pressure<br>Sensitive 3 Phase Disconnecter                                                |
| Emdirme<br>Impregnant                                       | PCB içermez Reçineli Koruma<br>Non PCB, Biodegradable Oil Semi Soft Jelly                                                                                                        |







**230V CYLINDRICAL TYPE CAPACITOR**

| Order Code | Product Code     | 230 VAC Qn (kVar) | 400 VAC Qn (kVar) | Dimension DxH (mm) | Capacitance (uF) | Current Drawn (A) | Box Quantity | List Price (Per Qty/ USD) |
|------------|------------------|-------------------|-------------------|--------------------|------------------|-------------------|--------------|---------------------------|
| TBC1000    | CYL-0,25-220-PiN | 0,25              | 0,75              | 63,5X87            | 15               | 1,08              | 16           | \$14,11                   |
| TBC1001    | CYL-0,5-220-PiN  | 0,5               | 1,5               | 63,5X87            | 30               | 2,17              | 16           | \$14,16                   |
| TBC1002    | CYL-1-220-PiN    | 1                 | 3                 | 63,5X87            | 60               | 4,35              | 16           | \$16,71                   |
| TBC1003    | CYL-1,5-220-PiN  | 1,5               | 4,5               | 63,5X145           | 90               | 6,52              | 16           | \$20,97                   |
| TBC1004    | CYL-2,5-220-PiN  | 2,5               | 7,5               | 63,5X145           | 150              | 10,87             | 16           | \$27,68                   |
| TBC1005    | CYL-3-220-PiN    | 3                 | 9                 | 63,5X145           | 180              | 13,05             | 16           | \$30,58                   |
| TBC1006    | CYL-5-220-PiN    | 5                 | 15                | 76X210             | 300              | 21,75             | 16           | \$62,61                   |



**400V / 415V / 440V CYLINDRICAL TYPE CAPACITOR**

| Order Code | Product Code               | 400 VAC Qn (kVar) | 415 VAC Qn (kVar) | 440 VAC Qn (kVar) | Dimension DxH (mm) | Amps | Box Quantity | List Price (Per Qty/ USD) |
|------------|----------------------------|-------------------|-------------------|-------------------|--------------------|------|--------------|---------------------------|
| TBC1100    | CYL-0,5-400-415-440 V-SCR  | 0,5               | 0,54              | 0,61              | 63,5X87            | 0,72 | 16           | \$18,85                   |
| TBC1101    | CYL-1-400-415-440 V-SCR    | 1                 | 1,08              | 1,21              | 63,5X87            | 1,44 | 16           | \$19,40                   |
| TBC1102    | CYL-1,5-400-415-440 V-SCR  | 1,5               | 1,61              | 1,81              | 63,5X87            | 2,16 | 16           | \$22,56                   |
| TBC1103    | CYL-2,5-400-415-440 V-SCR  | 2,5               | 2,69              | 3,03              | 63,5X87            | 3,6  | 16           | \$27,51                   |
| TBC1104    | CYL-5-400-415-440 V-SCR    | 5                 | 5,4               | 6                 | 63,5X160           | 7,2  | 16           | \$28,71                   |
| TBC1105    | CYL-7,5-400-415-440 V-SCR  | 7,5               | 8                 | 9                 | 63,5X200           | 10,8 | 16           | \$40,03                   |
| TBC1106    | CYL-10-400-415-440 V-SCR   | 10                | 11                | 12                | 76X210             | 14,4 | 16           | \$40,53                   |
| TBC1107    | CYL-12,5-400-415-440 V-SCR | 12,5              | 13,5              | 15                | 76X210             | 18   | 12           | \$50,18                   |
| TBC1108    | CYL-15-400-415-440 V-SCR   | 15                | 16                | 18,2              | 85X210             | 21,6 | 12           | \$62,37                   |
| TBC1109    | CYL-20-400-415-440 V-SCR   | 20                | 21,5              | 24,2              | 95X247             | 28,8 | 9            | \$82,47                   |
| TBC1110    | CYL-25-400-415-440 V-SCR   | 25                | 27                | 30                | 100X278            | 36   | 9            | \$95,74                   |
| TBC1111    | CYL-30-400-415-440 V-SCR   | 30                | 32                | 36                | 116X278            | 43,2 | 4            | \$109,00                  |
| TBC1112    | CYL-40-400-415-440 V-SCR   | 40                | 43                | 48                | 136X247            | 57,6 | 4            | \$192,37                  |
| TBC1113    | CYL-50-400-415-440 V-SCR   | 50                | 54                | 60,5              | 136X278            | 72,0 | 4            | \$206,84                  |



400V / 415V / 440V BOX TYPE CAPACITOR

| Order Code | Product Code     | 400 VAC<br>Qn (kVar) | 415 VAC<br>Qn (kVar) | 440 VAC<br>Qn (kVar) | Dimension<br>DxH (mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | Box<br>Quantity | List Price<br>(Per Qty/ USD) |
|------------|------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|-----------------|------------------------------|
| TBC1200    | BOX-0,5-400-SCR  | 0,5                  | 0,54                 | 0,61                 | 123X42X145            | 3X3,32              | 0,72                 | 32              | \$14,58                      |
| TBC1201    | BOX-1-400-SCR    | 1                    | 1,08                 | 1,21                 | 123X42X145            | 3X6,64              | 1,44                 | 32              | \$14,97                      |
| TBC1202    | BOX-1,5-400-SCR  | 1,5                  | 1,61                 | 1,81                 | 123X42X145            | 3X9,96              | 2,16                 | 20              | \$15,58                      |
| TBC1203    | BOX-2,5-400-SCR  | 2,5                  | 2,69                 | 3,03                 | 123X42X145            | 3X16,6              | 3,6                  | 20              | \$19,76                      |
| TBC1204    | BOX-5-400-SCR    | 5                    | 5,38                 | 6,05                 | 140X50X213            | 3X33,2              | 7,2                  | 6               | \$26,08                      |
| TBC1205    | BOX-7,5-400-SCR  | 7,5                  | 8,07                 | 9,08                 | 157X54X213            | 3X50                | 11                   | 6               | \$32,97                      |
| TBC1206    | BOX-10-400-SCR   | 10                   | 10,76                | 12,1                 | 178X62X218            | 3X66,4              | 14,4                 | 6               | \$41,74                      |
| TBC1207    | BOX-12,5-400-SCR | 12,5                 | 13,5                 | 15,2                 | 202X72X236            | 3X83                | 18                   | 4               | \$53,61                      |
| TBC1208    | BOX-15-400-SCR   | 15                   | 16,15                | 18,16                | 202X72X236            | 3X100               | 21,6                 | 4               | \$61,66                      |
| TBC1209    | BOX-20-400-SCR   | 20                   | 21,6                 | 24,2                 | 225X77X236            | 3X133               | 28,8                 | 4               | \$79,21                      |
| TBC1210    | BOX-25-400-SCR   | 25                   | 26,9                 | 30,3                 | 225X77X236            | 3X166               | 36                   | 4               | \$92,47                      |
| TBC1211    | BOX-30-400-SCR   | 30                   | 32,3                 | 36,3                 | 225X77X236            | 3X200               | 43,2                 | 3               | \$112,05                     |



440V / 450 / 460V HEAVY-DUTY CYLİNDRİCAL TYPE CAPACITOR

| Order Code | Product Code        | 440 VAC Qn<br>(kVar) | 450 VAC Qn<br>(kVar) | 460 VAC Qn<br>(kVar) | Dimension DxH<br>(mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | List Price<br>(Per Qty/ USD) |
|------------|---------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|------------------------------|
| TBC1300    | CYL-2,5-440-PIN     | 2,5                  | 2,6                  | 2,7                  | 63,5x87               | 3x13,75             | 3,27                 | \$26,45                      |
| TBC1301    | HD-CYL-5-440-SCR    | 5,0                  | 5,2                  | 5,5                  | 63,5x135              | 3x27,5              | 6,55                 | \$36,82                      |
| TBC1302    | HD-CYL-7,5-440-SCR  | 7,5                  | 7,8                  | 8,2                  | 76x175                | 3x41,25             | 9,82                 | \$46,89                      |
| TBC1303    | HD-CYL-10-440-SCR   | 10,0                 | 10,5                 | 10,9                 | 76x210                | 3x55                | 13,1                 | \$49,89                      |
| TBC1304    | HD-CYL-12,5-440-SCR | 12,5                 | 13,1                 | 13,7                 | 76x247                | 3x69                | 16,4                 | \$60,29                      |
| TBC1305    | HD-CYL-14,1-440-SCR | 14,1                 | 14,7                 | 15,4                 | 76x247                | 3x77                | 18,5                 | \$69,26                      |
| TBC1306    | HD-CYL-15-440-SCR   | 15,0                 | 15,7                 | 16,4                 | 76x247                | 3x82,5              | 19,7                 | \$70,76                      |
| TBC1307    | HD-CYL-20-440-SCR   | 20,0                 | 20,9                 | 21,9                 | 95x210                | 3x110               | 26,2                 | \$94,61                      |
| TBC1308    | HD-CYL-25-440-SCR   | 25,0                 | 26,1                 | 27,3                 | 100x247               | 3x137               | 33                   | \$110,55                     |
| TBC1309    | HD-CYL-28,2-440-SCR | 28,2                 | 29,5                 | 30,8                 | 116x247               | 3x155               | 37                   | \$123,55                     |
| TBC1310    | HD-CYL-30-440-SCR   | 30,0                 | 31,4                 | 32,8                 | 116x247               | 3x165               | 39,3                 | \$127,16                     |

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**480V/525 AĞIR HEAVY-DUTY CYLİNDRİCAL TYPE CAPACİTOR**

| Order Code | Product Code     | 480 VAC<br>Qn (kVAr) | 525 VAC<br>Qn (kVAr) | 440 VAC<br>Qn (kVAr) | 400 VAC<br>Qn (kVAr) | Dimension<br>DxH (mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | Box<br>Quantity | List Price<br>(Per Qty/ USD) |
|------------|------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|-----------------|------------------------------|
| TBC1400    | CYL-5-480-SCR    | 5,0                  | 5,98                 | 4,2                  | 3,5                  | 76X210                | 3x23,05             | 6                    | 16              | \$44,34                      |
| TBC1401    | CYL-7,5-480-SCR  | 7,5                  | 8,97                 | 6,3                  | 5,2                  | 76X210                | 3x34,6              | 9                    | 16              | \$48,11                      |
| TBC1402    | CYL-10-480-SCR   | 10,0                 | 11,96                | 8,4                  | 6,9                  | 76X210                | 3x46,1              | 12                   | 16              | \$53,76                      |
| TBC1403    | CYL-12,5-480-SCR | 12,5                 | 14,95                | 10,5                 | 8,7                  | 85X210                | 3x57,7              | 15                   | 12              | \$64,63                      |
| TBC1404    | CYL-15-480-SCR   | 15,0                 | 17,94                | 12,6                 | 10,4                 | 95X210                | 3x69,15             | 18                   | 9               | \$72,63                      |
| TBC1405    | CYL-16,7-480-SCR | 16,7                 | 19,97                | 14,03                | 11,60                | 95X247                | 3x64,3              | 18,4                 | 9               | \$78,55                      |
| TBC1406    | CYL-20-480-SCR   | 20,0                 | 23,93                | 16,8                 | 13,9                 | 95X247                | 3x92,2              | 24                   | 9               | \$92,95                      |
| TBC1407    | CYL-25-480-SCR   | 25,0                 | 29,91                | 21,0                 | 17,4                 | 116X247               | 3x115               | 30                   | 4               | \$122,97                     |
| TBC1408    | CYL-30-480-SCR   | 30,0                 | 35,89                | 25,2                 | 20,8                 | 116X247               | 3x138,3             | 36                   | 4               | \$130,21                     |
| TBC1409    | CYL-33,3-480-SCR | 33,3                 | 39,83                | 28,1                 | 23,2                 | 136X247               | 3x153,5             | 39,9                 | 4               | \$152,37                     |



**525V SÜPER HEAVY-DUTY CYLİNDRİCAL TYPE CAPACİTOR**

| Order Code | Product Code         | 525 VAC<br>Qn (kVAr) | 480 VAC<br>Qn (kVAr) | 440 VAC<br>Qn (kVAr) | 400 VAC<br>Qn (kVAr) | Dimension<br>DxH (mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | Box<br>Quantity | List Price<br>(Per Qty/ USD) |
|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|-----------------|------------------------------|
| TBC1500    | SHD-CYL-5-525-SCR    | 5                    | 4,2                  | 3,5                  | 2,9                  | 76X175                | 3x19,3              | 5,5                  | 16              | \$43,58                      |
| TBC1501    | SHD-CYL-7,5-525-SCR  | 7,5                  | 6,3                  | 5,3                  | 4,4                  | 76X210                | 3x28,9              | 8,3                  | 16              | \$49,42                      |
| TBC1502    | SHD-CYL-10-525-SCR   | 10                   | 8,4                  | 7                    | 5,8                  | 85X210                | 3x38,5              | 11                   | 12              | \$56,16                      |
| TBC1503    | SHD-CYL-12,5-525-SCR | 12,5                 | 10,5                 | 8,8                  | 7,3                  | 85X210                | 3x48,3              | 13,8                 | 12              | \$67,97                      |
| TBC1504    | SHD-CYL-15-525-SCR   | 15                   | 12,5                 | 10,6                 | 8,7                  | 95X210                | 3x57,8              | 16,5                 | 9               | \$75,32                      |
| TBC1505    | SHD-CYL-16,7-525-SCR | 16,7                 | 13,95                | 11,73                | 9,69                 | 116X210               | 3x77                | 22                   | 6               | \$83,13                      |
| TBC1506    | SHD-CYL-20-525-SCR   | 20                   | 16,8                 | 14                   | 11,6                 | 116X210               | 3x77                | 22                   | 6               | \$91,08                      |
| TBC1507    | SHD-CYL-25-525-SCR   | 25                   | 20,9                 | 17,6                 | 14,5                 | 116X247               | 3x96,3              | 27,5                 | 4               | \$124,95                     |
| TBC1508    | SHD-CYL-30-525-SCR   | 30                   | 25                   | 21                   | 17,4                 | 116X247               | 3x115,5             | 33                   | 4               | \$141,39                     |
| TBC1509    | SHD-CYL-40-525-SCR   | 40                   | 33,5                 | 28,1                 | 23,2                 | 136X247               | 3x154               | 44                   | 4               | \$205,95                     |



### 690V SUPER HEAVY-DUTY CYLİNDRİCAL TYPE CAPACITOR

| Order Code | Product Code       | 690 VAC<br>Qn (kVAr) | 660 VAC<br>Qn (kVAr) | 600 VAC<br>Qn (kVAr) | Dimension<br>DxH (mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | Box<br>Quantity | List Price<br>(Per Qty/ USD) |
|------------|--------------------|----------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|-----------------|------------------------------|
| TBC1600    | SHD-CYL-20-690-SCR | 20                   | 18,5                 | 15,2                 | 95X247                | 3x44,6              | 16,8                 | 6               | \$149,76                     |
| TBC1601    | SHD-CYL-25-690-SCR | 25                   | 23                   | 19                   | 116X212               | 3x55,8              | 21                   | 6               | \$184,53                     |
| TBC1602    | SHD-CYL-30-690-SCR | 30                   | 27,5                 | 22,7                 | 116X247               | 3x67                | 25,2                 | 4               | \$203,13                     |

### 830V SUPER HEAVY-DUTY CYLİNDRİCAL TYPE CAPACITOR

| Order Code | Product Code       | 830VAC<br>Qn (kVAr) | 740 VAC<br>Qn (kVAr) | 690 VAC<br>Qn (kVAr) | Dimension<br>DxH (mm) | Capacitance<br>(uF) | Current<br>Drawn (A) | Box<br>Quantity | List Price<br>(Per Qty/ USD) |
|------------|--------------------|---------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|-----------------|------------------------------|
| TBC1700    | SHD-CYL-20-830-SCR | 20                  | 15,9                 | 13,8                 | 95X247                | 3x30,8              | 14                   | 6               | \$201,79                     |
| TBC1701    | SHD-CYL-30-830-SCR | 30                  | 23,8                 | 20,8                 | 116X247               | 3x46,2              | 21                   | 4               | \$262,11                     |
| TBC1702    | SHD-CYL-40-830-SCR | 40                  | 31,8                 | 27,7                 | 136X247               | 3x61,6              | 28                   | 4               | \$341,61                     |

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*FOR FURTHER DETAIL INFORMATION CONTACTS TO AREA DISTRIBUTOR*



**Magnewin Energy Pvt. Ltd.**

### Medium Voltage Capacitors (MV Capacitors)

Magnewin medium voltage capacitors are designed for reactive power compensation and enhanced energy efficiency in medium-voltage systems. Operating within a voltage range of 1 kV to 36 kV, these capacitors provide a robust, long-lasting solution for industrial plants, transformer substations, and MV switchgear applications.

Engineered with premium dielectric materials and high-precision design, Magnewin MV capacitors are manufactured in full compliance with IEC 60871-1 and BIS 13925 standards. They deliver exceptional durability against overvoltage, harmonic distortion, and harsh environmental conditions.

At TIBCON, we proudly offer Magnewin MV capacitors with competitive pricing and full technical support, making them an ideal choice for demanding power quality projects.

Below is a technical specification table detailing the features of our Magnewin MV capacitor range. For pricing or customized solutions tailored to your project needs, please don't hesitate to contact us.



### TİBCON ORTA GERİLİM GÜÇ KONDANSATÖRLERİ MEDIUM VOLTAGE POWER CAPACITORS

| Order Code | Product Code        | Gerilim<br>(Kv) | Güç<br>(kVAr) | Faz | Bushing | Description                                        | List Price<br>(Quan./ TL) |
|------------|---------------------|-----------------|---------------|-----|---------|----------------------------------------------------|---------------------------|
| TBOG3600   | OG-6,062-75-1P      | 6,062           | 75            | 1P  | 1       | 6,062 kV 75 kVAr 1 ph 1 bushings MV Capacitor      | Price on request          |
| TBOG3601   | OG-6,062-100-1P     | 6,062           | 100           | 1P  | 1       | 6,062 kV 100 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3602   | OG-6,062-150-1P     | 6,062           | 150           | 1P  | 1       | 6,062 kV 150 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3603   | OG-6,062-200-1P     | 6,062           | 200           | 1P  | 1       | 6,062 kV 200 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3604   | OG-6,062-300-1P     | 6,062           | 300           | 1P  | 1       | 6,062 kV 300 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3605   | OG-6,062-400-417-1P | 6,062           | 400-417       | 1P  | 1       | 6,062 kV 400-417 kVAr 1 ph 1 bushings MV Capacitor | Price on request          |
| TBOG3606   | OG-9,122-75-1P      | 9,122           | 75            | 1P  | 1       | 9,122 kV 75 kVAr 1 ph 1 bushings MV Capacitor      | Price on request          |
| TBOG3607   | OG-9,122-100-1P     | 9,122           | 100           | 1P  | 1       | 9,122 kV 100 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3608   | OG-9,122-150-1P     | 9,122           | 150           | 1P  | 1       | 9,122 kV 150 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3609   | OG-9,122-200-1P     | 9,122           | 200           | 1P  | 1       | 9,122 kV 200 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3610   | OG-9,122-300-1P     | 9,122           | 300           | 1P  | 1       | 9,122 kV 300 kVAr 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3611   | OG-9,122-400-417-1P | 9,122           | 400-417       | 1P  | 1       | 9,122 kV 400-417 kVAr 1 ph 1 bushings MV Capacitor | Price on request          |

## TİBCON ORTA GERİLİM GÜÇ KONDANSATÖRLERİ MEDIUM VOLTAGE POWER CAPACITORS

Devamı...

| Order Code | Product Code         | Voltage (Kv) | Power (kVAR) | Phase | Bushing | Description                                         | List Price (Per Qty/ USD) |
|------------|----------------------|--------------|--------------|-------|---------|-----------------------------------------------------|---------------------------|
| TBOG3612   | OG-19,918-75-1P      | 19,918       | 75           | 1P    | 1       | 19,918 kV 75 kVAR 1 ph 1 bushings MV Capacitor      | Price on request          |
| TBOG3613   | OG-19,918-100-1P     | 19,918       | 100          | 1P    | 1       | 19,918 kV 100 kVAR 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3614   | OG-19,918-150-1P     | 19,918       | 150          | 1P    | 1       | 19,918 kV 150 kVAR 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3615   | OG-19,918-200-1P     | 19,918       | 200          | 1P    | 1       | 19,918 kV 200 kVAR 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3616   | OG-19,918-300-1P     | 19,918       | 300          | 1P    | 1       | 19,918 kV 300 kVAR 1 ph 1 bushings MV Capacitor     | Price on request          |
| TBOG3617   | OG-19,918-400-417-1P | 19,918       | 400-417      | 1P    | 1       | 19,918 kV 400-417 kVAR 1 ph 1 bushings MV Capacitor | Price on request          |
| TBOG3618   | OG-3,3-50-3P         | 3,3          | 50           | 3P    | 1       | 3,3 kV 50 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3619   | OG-3,3-75-3P         | 3,3          | 75           | 3P    | 1       | 3,3 kV 75 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3620   | OG-3,3-100-3P        | 3,3          | 100          | 3P    | 1       | 3,3 kV 100 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3621   | OG-3,3-125-3P        | 3,3          | 125          | 3P    | 1       | 3,3 kV 125 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3622   | OG-3,3-150-3P        | 3,3          | 150          | 3P    | 1       | 3,3 kV 150 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3623   | OG-3,3-200-3P        | 3,3          | 200          | 3P    | 1       | 3,3 kV 200 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3624   | OG-3,3-250-3P        | 3,3          | 250          | 3P    | 1       | 3,3 kV 250 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3625   | OG-3,3-300-3P        | 3,3          | 300          | 3P    | 1       | 3,3 kV 300 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3626   | OG-3,3-400-3P        | 3,3          | 400          | 3P    | 1       | 3,3 kV 400 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3627   | OG-3,3-500-3P        | 3,3          | 500          | 3P    | 1       | 3,3 kV 500 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3628   | OG-3,3-600-3P        | 3,3          | 600          | 3P    | 1       | 3,3 kV 600 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3629   | OG-3,3-660-3P        | 3,3          | 660          | 3P    | 1       | 3,3 kV 660 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3630   | OG-6,3-50-3P         | 6,3          | 50           | 3P    | 1       | 6,3 kV 50 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3631   | OG-6,3-75-3P         | 6,3          | 75           | 3P    | 1       | 6,3 kV 75 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3632   | OG-6,3-100-3P        | 6,3          | 100          | 3P    | 1       | 6,3 kV 100 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3633   | OG-6,3-125-3P        | 6,3          | 125          | 3P    | 1       | 6,3 kV 125 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3634   | OG-6,3-150-3P        | 6,3          | 150          | 3P    | 1       | 6,3 kV 150 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3635   | OG-6,3-200-3P        | 6,3          | 200          | 3P    | 1       | 6,3 kV 200 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3636   | OG-6,3-250-3P        | 6,3          | 250          | 3P    | 1       | 6,3 kV 250 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3637   | OG-6,3-300-3P        | 6,3          | 300          | 3P    | 1       | 6,3 kV 300 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3638   | OG-6,3-400-3P        | 6,3          | 400          | 3P    | 1       | 6,3 kV 400 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3639   | OG-6,3-500-3P        | 6,3          | 500          | 3P    | 1       | 6,3 kV 500 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3640   | OG-6,3-600-3P        | 6,3          | 600          | 3P    | 1       | 6,3 kV 600 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3641   | OG-6,3-660-3P        | 6,3          | 660          | 3P    | 1       | 6,3 kV 660 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3642   | OG-7,2-50-3P         | 7,2          | 50           | 3P    | 1       | 7,2 kV 50 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3643   | OG-7,2-75-3P         | 7,2          | 75           | 3P    | 1       | 7,2 kV 75 kVAR 3 ph 3 bushings MV Capacitor         | Price on request          |
| TBOG3644   | OG-7,2-100-3P        | 7,2          | 100          | 3P    | 1       | 7,2 kV 100 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3645   | OG-7,2-125-3P        | 7,2          | 125          | 3P    | 1       | 7,2 kV 125 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3646   | OG-7,2-150-3P        | 7,2          | 150          | 3P    | 1       | 7,2 kV 150 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3647   | OG-7,2-200-3P        | 7,2          | 200          | 3P    | 1       | 7,2 kV 200 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3648   | OG-7,2-250-3P        | 7,2          | 250          | 3P    | 1       | 7,2 kV 250 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3649   | OG-7,2-300-3P        | 7,2          | 300          | 3P    | 1       | 7,2 kV 300 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3650   | OG-7,2-400-3P        | 7,2          | 400          | 3P    | 1       | 7,2 kV 400 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3651   | OG-7,2-500-3P        | 7,2          | 500          | 3P    | 1       | 7,2 kV 500 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3652   | OG-7,2-600-3P        | 7,2          | 600          | 3P    | 1       | 7,2 kV 600 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |
| TBOG3653   | OG-7,2-660-3P        | 7,2          | 660          | 3P    | 1       | 7,2 kV 660 kVAR 3 ph 3 bushings MV Capacitor        | Price on request          |

Belirtilmeyen değerler için lütfen iletişime geçiniz.

### Turnkey Medium Voltage Compensation Projects

In medium voltage compensation projects, we provide turnkey solutions with our expert team and engineering services. Our experienced team develops customized projects tailored to each customer's needs. With our high level of engineering expertise and strong industry experience, we prioritize customer satisfaction at every stage.

Please Contact Us For Medium Voltage Compensation Projects.







## HEAVY DUTY INDUSTRIAL POWER CAPACITORS





## Basic Specifications of Modular Dry Type Capacitors

**Voltages:** 230-... -1,000 V AC.

**Nominal Frequency:** 50-60 Hz.

**Reference Standard:** IEC 60831-1&2-TS EN 60831 -1/2 Test

**Voltage for Case Terminals:** 3 kV, AC 10 sn.

**Discharge Losses Without Resistor:** [Watt/kVAr]<0.2

**Discharge Losses With Resistor :** (Watt/kVAr)<0.45

**Operating Temperature:** -40° C /65° C aras1

**Capacitance Tolerance:** %-5/+10

**Terminal Connection:** MB, M10 civatal1 [istege bagl1 kablolu]

**Protection Class:** IP42 (ihtiyaca gore IP52)

**Surge Current:** 200 ile 400X

**Filling Material:** Vermiculite Granules (Non-Toxic) Stainless

**Steel Enclosure:** Internal (External Type Optional)

**Mounting Position:** Horizontal or Vertical

**Color:** RAL7035 [optional]

**Maximum Humidity:** 85%

**Connection Type:** Delta or Single-Phase

**Maximum Operating Altitude:** 4000mt

**Discharge Resistor:** Externally mounted – voltage decreases to below 50V within 60 Sec



TIBCON Modular Dry-Type Capacitors are engineered to deliver superior reactive power compensation for diverse industrial and commercial installations. Optimized for demanding heavy industry environments, they perform exceptionally when integrated with harmonic filter reactors, providing effective mitigation of power quality issues such as harmonics and reactive power fluctuations. With their robust design and reliable performance, these capacitors enhance energy efficiency, reduce operational costs, and safeguard critical equipment, making them an indispensable component in modern power management systems.



Tibcon's fully dry-type low-voltage power capacitors employ cutting-edge dry technology, containing no liquid or gas fillers. Their design offers complete safety against fire and explosion, featuring an environmentally friendly, PCB-free construction combined with self-healing properties that ensure exceptional reliability and longevity.

Specifically engineered for the toughest industrial environments—including cement, chemical, steel, paper, and textile industries, these dry type, low voltage capacitors boast a robust zinc-electrolytic steel enclosure and an IP42 protection rating.

This durable construction guarantees consistent performance and resilience under heavy-duty operating conditions.



## AĞIR SANAYİ MODÜLER KURU TİP VERMİKÜLİT DOLGULU GÜÇ KONDANSATÖRLERİ HEAVY INDUSTRY MODULAR DRY TYPE VERMICULITE FILLED POWER CAPACITORS



| Order Code | Product Description                         | Power | Capacity | Current | Dimension DxH (mm) | List Price (Per Qty./ USD) |
|------------|---------------------------------------------|-------|----------|---------|--------------------|----------------------------|
| TBVR6501   | 400V 12,5 kVAr Vermiculite-Filled Capacitor | 12,5  | 249      | 18,1    | 78x340x255         | \$366,67                   |
| TBVR6502   | 400V 15 kVAr Vermiculite-Filled Capacitor   | 15    | 300      | 21,7    | 78x340x255         | \$366,67                   |
| TBVR6503   | 400V 20 kVAr Vermiculite-Filled Capacitor   | 20    | 400      | 29      | 78x340x255         | \$400,00                   |
| TBVR6504   | 400V 25 kVAr Vermiculite-Filled Capacitor   | 25    | 500      | 36      | 78x340x255         | \$400,00                   |

| Order Code | Product Description                          | Power | Capacity | Current | Dimension DxH (mm) | List Price (Per Qty./ USD) |
|------------|----------------------------------------------|-------|----------|---------|--------------------|----------------------------|
| TBVR6509   | 440V 14,01 kVAr Vermiculite-Filled Capacitor | 14,01 | 232      | 18,5    | 78x340x255         | \$366,67                   |
| TBVR6515   | 440V 25 kVAr Vermiculite-Filled Capacitor    | 25    | 411      | 32,8    | 78x340x255         | \$400,00                   |
| TBVR6518   | 440V 28,2 kVAr Vermiculite-Filled Capacitor  | 28,2  | 464      | 37      | 78x340x255         | \$400,00                   |

| Order Code | Product Description                          | Power | Capacity | Current | Dimension DxH (mm) | List Price (Per Qty./ USD) |
|------------|----------------------------------------------|-------|----------|---------|--------------------|----------------------------|
| TBVR6526   | 457V 14,01 kVAr Vermiculite-Filled Capacitor | 14,01 | 215      | 17,8    | 78x340x255         | \$366,67                   |
| TBVR6527   | 457V 28,2 kVAr Vermiculite-Filled Capacitor  | 28,2  | 430      | 35,7    | 78x340x255         | \$400,00                   |

| Order Code | Product Description                         | Power | Capacity | Current | Dimension DxH (mm) | List Price (Per Qty./ USD) |
|------------|---------------------------------------------|-------|----------|---------|--------------------|----------------------------|
| TBVR6534   | 480V 16,6 kVAr Vermiculite-Filled Capacitor | 16,6  | 229,5    | 20      | 78x340x255         | \$366,67                   |
| TBVR6535   | 480V 20 kVAr Vermiculite-Filled Capacitor   | 20    | 460,3    | 40,1    | 78x340x255         | \$400,00                   |
| TBVR6540   | 480V 33,3 kVAr Vermiculite-Filled Capacitor | 33,3  | 460,3    | 40,1    | 78x340x255         | \$433,33                   |

| Order Code | Product Description                         | Power | Capacity | Current | Dimension DxH (mm) | List Price (Per Qty./ USD) |
|------------|---------------------------------------------|-------|----------|---------|--------------------|----------------------------|
| TBVR6545   | 525V 18,6 kVAr Vermiculite-Filled Capacitor | 18,6  | 215      | 20,5    | 78x340x255         | \$366,67                   |
| TBVR6550   | 525V 37,2 kVAr Vermiculite-Filled Capacitor | 37,2  | 430      | 41      | 78x340x255         | \$433,33                   |
| TBVR6554   | 525V 40 kVAr Vermiculite-Filled Capacitor   | 40    | 462      | 44      | 78x340x255         | \$433,33                   |



All listed products are available in the following configurations: Single-Phase (1 ), Two-Phase (2 ), Two-Phase with Neutral (2 /6B), and Three-Phase (3 ). Custom voltage and power ratings are available up to 830V. Please contact us for solutions tailored to your specific application.

|                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For Heavy Duty Industrial Product                                                                                                                             |
| Rated Voltage Level: 230V ..... 1000V                                                                                                                         |
| Rated Power Level: 12.5 kVAr ..... 250 kVAr                                                                                                                   |
| Rated Power Level: 12.5 kVAr ..... 250 kVAr                                                                                                                   |
| All products are available with the following connection configurations: Single-Phase (1), Two-Phase (2), Two-Phase with Neutral (2/6B), and Three-Phase (3). |



If you require capacitors with power or voltage ratings not specified in the list, feel free to contact us .



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## POWER FACTOR CORRECTION CONTACTORS & CONNECTION COMPONENTS



#### POWER FACTOR CORRECTION CONTACTORS

| Order Code | Product Code | Operating Power |                | Supporting Contact |    | Operating Current<br>[400V için]<br>(A) | Max Operating<br>Duration<br>Time Hour | Switching life<br>operating<br>number | Box<br>Quantity | List Price<br>Per Qty/USD |
|------------|--------------|-----------------|----------------|--------------------|----|-----------------------------------------|----------------------------------------|---------------------------------------|-----------------|---------------------------|
|            |              | 200 V<br>240 V  | 400 V<br>440 V | NO                 | NC |                                         |                                        |                                       |                 |                           |
| TBK4000    | TBC1D05K10M7 | 2,8             | 5              | 1                  | 0  | 7,0                                     | 240                                    | 200.000                               | 80              | \$27,95                   |
| TBK4001    | TBC1D10K02U7 | 5,5             | 10,0           | 1                  | 1  | 14,0                                    | 240                                    | 200.000                               | 30              | \$39,53                   |
| TBK4002    | TBC1D12K02U7 | 6,7             | 12,5           | 1                  | 1  | 18,0                                    | 240                                    | 200.000                               | 28              | \$39,34                   |
| TBK4003    | TBC1D16K02U7 | 8,5             | 16,7           | 1                  | 1  | 24,0                                    | 240                                    | 200.000                               | 28              | \$46,39                   |
| TBK4004    | TBC1D20K02U7 | 10              | 20             | 1                  | 1  | 29,0                                    | 240                                    | 200.000                               | 16              | \$53,61                   |
| TBK4005    | TBC1D25K02U7 | 15              | 25             | 1                  | 1  | 36,0                                    | 240                                    | 200.000                               | 16              | \$69,26                   |
| TBK4006    | TBC1D33K12U7 | 20              | 33,3           | 1                  | 2  | 48,0                                    | 240                                    | 150.000                               | 10              | \$110,08                  |
| TBK4007    | TBC1D40K12U7 | 25              | 40             | 1                  | 2  | 58,0                                    | 240                                    | 100.000                               | 10              | \$131,05                  |
| TBK4008    | TBC1D50K12U7 | 32              | 50             | 1                  | 2  | 74,0                                    | 240                                    | 100.000                               | 8               | \$155,95                  |
| TBK4009    | TBC1D60K12U7 | 40              | 60             | 1                  | 2  | 92,0                                    | 240                                    | 100.000                               | 8               | \$172,26                  |
| TBK4010    | TBC1D75K12U7 | 45              | 75             | 1                  | 2  | 108,0                                   | 240                                    | 100.000                               | 10              | \$250,11                  |

#### TECHNICAL SPECIFICATIONS:

- Auxiliary Contact Block
- Suitable for single-phase connection.
- Can connect capacitors up to 75 kVAr (at 440V).
- Coil voltage: 220–230 VAC, 50/60 Hz.
- Compliant with IEC 60947 standards.
- Long mechanical life.
- Operating voltage range: 220/240V – 400/440V.
- The 5K contactor features high breaking capacity and reinforced contact design.
- (Recommended: For applications involving harmonic filters, selecting a contactor with higher breaking capacity is advised to ensure optimal performance.)



#### Toroidal Type Medium Voltage Current Transformer

| Order Code | Product Code | Product Description         | Bore<br>Diameter | VA  | Primary<br>Current<br>(A) | Secondary<br>Current<br>(A) | Operating<br>Voltage<br>(kV) | Dimension<br>DxH (mm) | List Price<br>(Per Qty/ USD) |
|------------|--------------|-----------------------------|------------------|-----|---------------------------|-----------------------------|------------------------------|-----------------------|------------------------------|
| TBE2800    | OG 50/5      | MV Current Transformer 50/5 | 72,90            | 2,5 | 50                        | 5                           | 0,72                         | 147,70x143x45         | \$280,89                     |



This device is designed to be used exclusively with the MV reference reactive relay. It must be connected to insulated MV XLPE cables and should not be installed directly on MV busbars.



#### Discharge Resistor

| Order Code | Product Code | Product Description | Maximum<br>Power | Maximum<br>Voltage | Dimension<br>WxLxH (mm) | List Price<br>(Per Qty/ USD) |
|------------|--------------|---------------------|------------------|--------------------|-------------------------|------------------------------|
| TBE2002    | TVC-DD-01    | Discharge Resistor  | 50 kVAr          | 550 V              | 97X32X78                | \$41,42                      |
| TBE2003    | TVC-DD-02    | Discharge Resistor  | 75 kVAr          | 550 V              | 97X32X78                | \$50,61                      |





#### REACTIVE POWER CONTROL RELAYS

| Order Code | Product Code  | Product Description                       | Dimension | Number Of Steps | Graphic LCD Screen (128*64) | Single - Two - Three Phase Capacitor | Single - Two - Three Phase Shunt Reactor | TCR (SVC) | TSC | Generator | Generator Mode (Cos2) | Cosφ | RS-485 Modbus Communication | Step Recommendation | Panel Temperature Control | Alarm Output (1 Adet) | Panel Fan Output (1 Adet) | 2-36. Harmonic (V-I) | Included Buzzer | THD-I THD-V | List Price (Per Qnt / USD) |
|------------|---------------|-------------------------------------------|-----------|-----------------|-----------------------------|--------------------------------------|------------------------------------------|-----------|-----|-----------|-----------------------|------|-----------------------------|---------------------|---------------------------|-----------------------|---------------------------|----------------------|-----------------|-------------|----------------------------|
| TBE2700    | TET-12+3 SVC  | REACTIVE POWER CONTROL RELAYS-RG-12 SVC   | 144 x 144 | 12+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$268,05                   |
| TBE2701    | TET-15 K      | REACTIVE POWER CONTROL RELAYS-RG-15-K     | 144 x 144 | 15              | •                           | •                                    | •                                        |           |     | •         | •                     | •    | •                           | •                   |                           | •                     |                           | •                    | •               | •           | \$236,76                   |
| TBE2702    | TET-15+3 SVC  | RREACTIVE POWER CONTROL RELAYS-RG-15-SVC  | 144 x 144 | 15+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$277,13                   |
| TBE2703    | TET-15 A SVC  | TET 15A SVC AG-OG GES RELAY               | 144 x 144 | 15+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$436,68                   |
| TBE2704    | TET-18 +3 SVC | REACTIVE POWER CONTROL RELAYS-RG-18-SVC   | 144 x 144 | 18+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$286,24                   |
| TBE2705    | TET-18 T SVC  | REACTIVE POWER CONTROL RELAYS-RG-18 T SVC | 144 x 144 | 18+SVC          | •                           | •                                    | •                                        | •         | •   | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$286,32                   |
| TBE2708    | TET-18 A SVC  | TET 18 A SVC AG-OG GES RELAY              | 144 x 144 | 18+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$416,55                   |
| TBE2709    | TET -24+3 SVC | RREACTIVE POWER CONTROL RELAYS-RG-24 SVC  | 144 x 144 | 24+SVC          | •                           | •                                    | •                                        | •         |     | •         | •                     | •    | •                           | •                   | •                         | •                     | •                         | •                    | •               | •           | \$404,95                   |



#### ENERGY ANALYZER

| Order Code | Product Code | Product Description                                         | Dimension | Operating Voltage | Basic Parameter (Current - Voltage - Frequency) | Graphic LCD Screen (128*64) | 7 Segment LED Display (14mm) | 3x Cosφ | Power Factory (PF1,PF2,PF3) | Demand - Max Demand | Sag/Swell | 2-51. Harmonic | THD-I, THD-V | RS-485 Modbus Communication | Relay Output (2 Adet) | Alarm Modes | Hours/Date | List Price (Per Qnt / USD) |
|------------|--------------|-------------------------------------------------------------|-----------|-------------------|-------------------------------------------------|-----------------------------|------------------------------|---------|-----------------------------|---------------------|-----------|----------------|--------------|-----------------------------|-----------------------|-------------|------------|----------------------------|
| TBE2200    | EA-01        | BASIC MODEL ENERGY ANALYZER WITH COMMUNICATION              | 96x96     | 45 - 265 Vac/dc   | •                                               | •                           |                              | •       | •                           | •                   | •         | •              | •            | •                           |                       |             |            | \$162,39                   |
| TBE2201    | EA-03        | ADVANCED MODEL ENERGY ANALYZER WITH COMMUNICATION           | 96x96     | 45 - 265 Vac/dc   | •                                               | •                           |                              | •       | •                           | •                   | •         | •              | •            | •                           | •                     | •           | •          | \$182,71                   |
| TBE2202    | EA-11        | DIGITAL ENERGY ANALYZER                                     | 96x96     | 45 - 265 Vac/dc   | •                                               |                             | •                            | •       | •                           | •                   | •         | 2-51           | •            |                             |                       |             |            | \$133,97                   |
| TBE2203    | EA-12        | DIGITAL ENERGY ANALYZER WITH COMMUNICATION                  | 96x96     | 45 - 265 Vac/dc   | •                                               |                             | •                            | •       | •                           | •                   | •         | 2-31           | •            | •                           |                       |             |            | \$142,11                   |
| TBE2204    | EA-13        | DIGITAL ENERGY ANALYZER WITH COMMUNICATION AND RELAY OUTPUT | 96x96     | 45 - 265 Vac/dc   | •                                               |                             | •                            | •       | •                           | •                   | •         | 2-31           | •            | •                           | •                     | •           |            | \$145,21                   |



#### MULTIMETRE

| Order Code | Product Code | Product Description             | Dimension | Operating Voltage | Current Measuring Range (Ma) | Class | Basic Parameter (Current - Voltage - Frequency) | Graphic LCD Screen (128*64) | RS-485 Communication | 7 Segment LED Display (14mm) | Relay Output Çıkış (2 Adet) | Neutral Current Display | Apparent Power (S1,S2,S3,S2) | Demand - Max Demand | X/5 | CT (3 Faz) | List Price (Per Qnt / USD) |
|------------|--------------|---------------------------------|-----------|-------------------|------------------------------|-------|-------------------------------------------------|-----------------------------|----------------------|------------------------------|-----------------------------|-------------------------|------------------------------|---------------------|-----|------------|----------------------------|
| TBE2600    | MM-01        | Multimeter                      | 96x96     | 45-265V AC/DC     | 0,05-5,5                     | 0,2   | •                                               |                             | •                    |                              | •                           | •                       | •                            | •                   | •   | •          | \$92,13                    |
| TBE2601    | MM-02        | Multimeter Set with LCD Display | 96x96     | 45-265V AC/DC     | 0,05-5,5                     | 0,2   | •                                               | •                           |                      |                              | •                           | •                       | •                            | •                   | •   | •          | \$129,92                   |



INDUCTIVE LOAD DRIVER MODELS (SVC)

| Order Code | Product Code | Product Code | Max. Bağlanabilir Şönt Reaktör Gücü | Dimension Width- Length - Height | Nominal Fuse Current | Fan Protection | Response Time | Nominal Cable Cross Section | List Price (Per Qnt / USD) |
|------------|--------------|--------------|-------------------------------------|----------------------------------|----------------------|----------------|---------------|-----------------------------|----------------------------|
| TBE2100    | TBC-YS-5 ES  | 230V 50 Hz   | 3x1,66 kVAr                         | 82x105x65                        | 16                   |                | 20ms          | 3(1x2,5)                    | \$230,08                   |
| TBE2101    | TBC-YS-10 ES | 230V 50 Hz   | 3x3,33 kVAr                         | 90x105x80                        | 25                   |                | 20ms          | 3(1x2,5)                    | \$276,08                   |
| TBE2102    | TBC-YS-20 ES | 230V 50 Hz   | 3x6,67 kVAr                         | 126x165x150                      | 50                   | •              | 20ms          | 3(1x10)                     | \$404,92                   |
| TBE2103    | TBC-YS-30 ES | 230V 50 Hz   | 3x10 kVAr                           | 126x165x150                      | 80                   | •              | 20ms          | 3(1x16)                     | \$506,16                   |
| TBE2104    | TBC-YS-50 ES | 230V 50 Hz   | 3x16,67 kVAr                        | 155x280x210                      | 125                  | •              | 20ms          | 3(1x25)                     | \$690,24                   |
| TBE2105    | TBC-YS-60 ES | 230V 50 Hz   | 3x20 kVAr                           | 155x265x207                      | 160                  | •              | 20ms          | 3(1x35)                     | \$782,26                   |



THYRISTOR CAPACITIVE STATIC CONTACTOR SWITCHING MODULES

| Order Code | Product Code      | Power (kVAr) | Operating Voltage | Switching Duration | Dimension Width- Length - Height | Operating Status | Nominal Fuse Current | Fan Protection | Nominal Cable Cross Section | List Price (Per Qnt/ USD) |
|------------|-------------------|--------------|-------------------|--------------------|----------------------------------|------------------|----------------------|----------------|-----------------------------|---------------------------|
| TBE2500    | TIBCON FAST 5     | 5            | 400V 50Hz         | 20 ms              | 80x104x65                        | •                | 16                   |                | 3(1x4)                      | \$183,32                  |
| TBE2501    | TIBCON FAST 15    | 15           | 400V 50Hz         | 20 ms              | 130x164x150                      | •                | 32                   |                | 3(1x10)                     | \$363,13                  |
| TBE2502    | TIBCON FAST 25    | 25           | 400V 50Hz         | 20 ms              | 130x164x150                      | •                | 63                   | •              | 3(1x16)                     | \$344,03                  |
| TBE2503    | TIBCON FAST 50    | 50           | 400V 50Hz         | 20 ms              | 130x164x150                      | •                | 125                  | •              | 3(1x25)                     | \$436,34                  |
| TBE2504    | TIBCON FAST 75    | 75           | 400V 50Hz         | 20 ms              | 120x158x223                      | •                | 160                  | •              | 3(1x35)                     | \$654,50                  |
| TBE2505    | TIBCON FAST 100   | 100          | 400V 50Hz         | 20 ms              | 120x158x223                      | •                | 200                  | •              | 3(1x35)                     | \$713,24                  |
| TBE2506    | TIBCON FAST 5 M   | 3x1,5        | 230V 50Hz         | 20 ms              | 80x104x65                        | •                | 16                   |                | 1(1x2,5)                    | \$226,55                  |
| TBE2507    | TIBCON FAST 10 M  | 3X3          | 230V 50Hz         | 20 ms              | 95x105x80                        | •                | 25                   | •              | 1(1x4)                      | \$275,42                  |
| TBE2508    | TIBCON FAST 3*15M | 3X15         | 230V 50Hz         | 20 ms              | 130x164x150                      | •                | 100                  | •              | 1(1x16)                     | \$609,03                  |
| TBE2509    | TIBCON FAST 51M   | 1X5          | 230V 50Hz         | 20 ms              | 80x104x65                        | •                | 32                   |                | 1(1x4)                      | \$155,92                  |



Our thyristor-based capacitive static contactors are manufactured with built in discharge resistors.



MCU-INDUSTRIAL TYPE THYRISTOR CAPACITIVE STATIC CONTACTOR SWITCHING MODULES

| Order Code | Product Code    | Power (kVAr) | Operating Voltage | Switching Duration | Dimension Width- Length - Height | Nominal Fuse Current | Fan Protection | Nominal Cable Cross Section | List Price (Per Qnt/ USD) |
|------------|-----------------|--------------|-------------------|--------------------|----------------------------------|----------------------|----------------|-----------------------------|---------------------------|
| TBE2401    | TBC Fast 15 MCU | 15           | 440V 50Hz         | 20 ms              | 130x164x150                      | 32                   | •              | 3(1x10)                     | \$357,29                  |
| TBE2402    | TBC Fast 25 MCU | 25           | 440V 50Hz         | 20 ms              | 130x164x150                      | 63                   | •              | 3(1x16)                     | \$491,29                  |
| TBE2403    | TBC Fast 50 MCU | 50           | 440V 50Hz         | 20 ms              | 130x164x150                      | 125                  | •              | 3(1x25)                     | \$571,66                  |



Microprocessor-based, zero-crossing switching thyristor modules are designed in compliance with IEC standards for industrial applications, capable of switching loads up to 100 kVAr.



TIBCON SVG enables real-time monitoring of voltage and current (V-I) values for each phase individually, either through its built-in or external display.

- TIBCON SVG operates within a wide voltage range of 400V to 690V ( $\pm 20\%$ ) at a frequency of 50/60 Hz.
- Ultra-fast response time of 50 $\mu$ s and full correction time of less than 10ms.
- Equipped with a user-friendly Turkish language interface.
- Tesla SVG features internal protection against parameters such as overcurrent, undervoltage, overvoltage, low current, and temperature.
- Quick and simple installation process.
- Effective harmonic suppression up to the 21th order.

## TIBCON SVG SERIES

| Order Code | Product Code  | Max. Reactive Power Rating | Nominal Voltage | Harmonic Filtering  | Operating Frequency | Reaction Time   | Compensation Response Time | Protection Class | Operating Temperature | Communication | Mounting Type | Dimensions (W-D-H mm)      | Connection Type | List Price (Per Qnt / \$) |
|------------|---------------|----------------------------|-----------------|---------------------|---------------------|-----------------|----------------------------|------------------|-----------------------|---------------|---------------|----------------------------|-----------------|---------------------------|
| TB-SVG3001 | TBC-SVG-W-30  | 30                         | 400 V AC        | 21. Harmoniğe Kadar | 50/60 Hz            | $\leq 50 \mu$ s | 5ms                        | IP 20            | -20 / 45 °C           | Modbus-RTU    | Duvar         | 444x641x149                | 3P3W/3P4W       | Price request.            |
| TB-SVG3002 | TBC-SVG-W-40  | 50                         | 400 V AC        | 21. Harmoniğe Kadar | 50/60 Hz            | $\leq 50 \mu$ s | 5ms                        | IP 20            | -20 / 45 °C           | Modbus-RTU    | Duvar Kabin   | 440x641x149                | 3P3W/3P4W       | Price request.            |
| TB-SVG3003 | TBC-SVG-W-50  | 75                         | 400 V AC        | 21. Harmoniğe Kadar | 50/60 Hz            | $\leq 50 \mu$ s | 5ms                        | IP 20            | -20 / 45 °C           | Modbus-RTU    | Duvar         | 444x641x149                | 3P3W/3P4W       | Price request.            |
| TB-SVG3008 | TBC-SVG-R50   |                            |                 |                     |                     |                 |                            |                  |                       |               |               |                            |                 | Price request.            |
| TB-SVG3004 | TBC-SVG-W-75  | 100                        | 400 V AC        | 21. Harmoniğe Kadar | 50/60 Hz            | $\leq 50 \mu$ s | 5ms                        | IP 20            | -20 / 45 °C           | Modbus-RTU    | Duvar Kabin   | 444x641x149<br>404x556x149 | 3P3W/3P4W       | Price request.            |
| TB-SVG3005 | TBC-SVG-W-100 | 150                        | 400 V AC        | 21. Harmoniğe Kadar | 50/60 Hz            | $\leq 50 \mu$ s | 5ms                        | IP 20            | -20 / 45 °C           | Modbus-RTU    | Duvar         | 444x641x149                | 3P3W/3P4W       | Price request.            |
| TB-SVG3010 | TBC-SVG-R100  |                            |                 |                     |                     |                 |                            |                  |                       |               | Kabin         | 404x556x149                | 3P3W/3P4W       | Price request.            |

Please Contact us, for more detail information.





Ensures current harmonic distortion (THD-I) is maintained below 5%

- Provides ultra-fast reactive power compensation for both inductive and capacitive loads
- Instantly reacts to fluctuations in reactive power, ensuring system stability
- Automatically corrects load imbalances across phases
- Improves overall energy efficiency and helps avoid penalty charges from utility providers

TIBCON solutions deliver robust and permanent performance, specifically designed for environments with highly variable and unbalanced loads, such as industrial facilities, data centers, shopping malls, and production lines.

## TIBCON AHF SERIES

| Order Code | Product Code    | Power Rating | Harmonic Filtering | Operating Frequency | Reaction Time | Compensation Response Time | Protection Class | Operating Temperature | Communication | Mounting Type | Dimensions (W-D-H mm) | Connection Type | List Price (Per Qnt / \$) |
|------------|-----------------|--------------|--------------------|---------------------|---------------|----------------------------|------------------|-----------------------|---------------|---------------|-----------------------|-----------------|---------------------------|
| TB-AHF3300 | TBC-AHF-W-30 A  | 30           | 400 V AC           | 50/60 Hz            | ≤ 50 µs       | 5ms                        | IP 20            | -20 /45 °C            | Modbus-RTU    | Duvar         | 444x641x149           | 3P3W/3P4W       | Price request.            |
| TB-AHF3301 | TBC-AHF-W-50 A  | 50           | 400 V AC           | 50/60 Hz            | ≤ 50 µs       | 5ms                        | IP 20            | -20 /45 °C            | Modbus-RTU    | Duvar         | 440x641x149           | 3P3W/3P4W       | Price request.            |
| TB-AHF3302 | TBC-AHF-W-75 A  | 75           | 400 V AC           | 50/60 Hz            | ≤ 50 µs       | 5ms                        | IP 20            | -20 /45 °C            | Modbus-RTU    | Duvar         | 444x641x149           | 3P3W/3P4W       | Price request.            |
| TB-AHF3303 | TBC-AHF-W-100 A | 100          | 400 V AC           | 50/60 Hz            | ≤ 50 µs       | 5ms                        | IP 20            | -20 /45 °C            | Modbus-RTU    | Duvar         | 444x641x149           | 3P3W/3P4W       | Price request.            |
| TB-AHF3308 | TBC-AHF-R-100 A |              |                    |                     |               |                            |                  |                       |               | Kabin         | 404x556x149           |                 |                           |
| TB-AHF3304 | TBC-AHF-W-150 A | 150          | 400 V AC           | 50/60 Hz            | ≤ 50 µs       | 5ms                        | IP 20            | -20 /45 °C            | Modbus-RTU    | Duvar         | 444x641x149           | 3P3W/3P4W       | Price request.            |
| TB-AHF3309 | TBC-AHF-R-150 A |              |                    |                     |               |                            |                  |                       |               | Kabin         | 404x556x149           |                 |                           |

Please contact us, for more information.

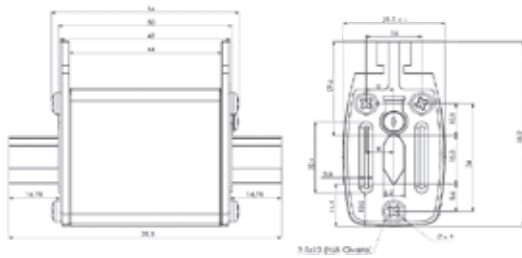




#### NH00 KNIFE FUSES

| Order Code | Product Code | Product Description   | Length | Rated Thermal Current In (A) | Breaking Capacity (kA) | Rated Voltage Un (V) | Rated Voltage (V) | Operating Frequency (Hz) | Minimum Order Quantity | List Price (Per Qnt/\$) |
|------------|--------------|-----------------------|--------|------------------------------|------------------------|----------------------|-------------------|--------------------------|------------------------|-------------------------|
| TBNH4200   | TB-NH00-16   | 16 A NH KNIFE FUSES   | NH00   | 16                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4201   | TB-NH00-25   | 25 A NH KNIFE FUSES   | NH00   | 25                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4202   | TB-NH00-32   | 32 A NH KNIFE FUSES   | NH00   | 32                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4203   | TB-NH00-40   | 40 A NH KNIFE FUSES   | NH00   | 40                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4204   | TB-NH00-50   | 50 A NH KNIFE FUSES   | NH00   | 50                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4205   | TB-NH00-63   | 63 A NH KNIFE FUSES   | NH00   | 63                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4206   | TB-NH00-80   | 80 A NH KNIFE FUSES   | NH00   | 80                           | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4207   | TB-NH00-100  | 100 A NH KNIFE FUSES  | NH00   | 100                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4208   | TB-NH00-125  | 125 A NH KNIFE FUSES  | NH00   | 125                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4209   | TB-NH00-160  | 160 A NH KNIFE FUSES  | NH00   | 160                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$4,84                  |
| TBNH4210   | TB-NH01-160  | 160 A NH1 KNIFE FUSES | NH01   | 160                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$11,19                 |
| TBNH4211   | TB-NH01-200  | 200 A NH1 KNIFE FUSES | NH01   | 200                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$11,19                 |
| TBNH4212   | TB-NH01-250  | 250 A NH1 KNIFE FUSES | NH01   | 250                          | 120                    | 500                  | 690               | 50-60                    | 10                     | \$11,19                 |

| Tip        | Ölçüler (mm) |    |    |    |    |    |    |      |    |
|------------|--------------|----|----|----|----|----|----|------|----|
| TB-NH00... | X1           | X2 | X3 | X4 | Y  | Z  | D1 | D2   | D3 |
|            | 78.5         | 54 | 45 | 50 | 15 | 58 | 48 | 29.5 | 45 |



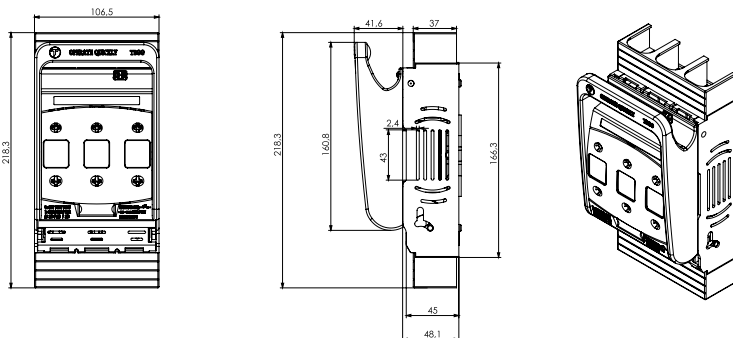
#### TECHNICAL SPECIFICATION:

- Compliant with IEC 60269-1 and IEC 60269-2 standards; CE certified
- Operating characteristic: Super quick
- Rated voltage: 500 V AC
- Utilization category: gR
- Breaking capacity: 120 kA (rms)



#### Horizontal Type Load Break Switch

| Order Code | Product Code | Product Description                     | Kutup Sayısı | Length | Rated Thermal Current (A) | Operating Voltage (V) | Rated Voltage (V) | Rated Insulation Voltage (V) | Fuse Breaking Capacity (kA) | Box Quantity | List Price (Per Qnt/\$) |
|------------|--------------|-----------------------------------------|--------------|--------|---------------------------|-----------------------|-------------------|------------------------------|-----------------------------|--------------|-------------------------|
| TBNYA4300  | TB00-160     | 160 A Horizontal Type Load Break Switch | 3            | 0      | 160                       | 400                   | 690               | 800                          | 120                         | 15           | \$34,51                 |
| TBNYA4301  | TB01-250     | 250 A Horizontal Type Load Break Switch | 3            | 1      | 250                       | 400                   | 690               | 800                          | 120                         | 15           | \$104,77                |



#### MAIN FEATURES :

- Compliant with IEC/EN 60947-3 standards and CE certified
- NH fuse base resistant to high-temperature testing
- Ergonomic design with a wide gripping surface
- Compact size for easy installation
- Wide safety clearance at fuse connections
- Modern and functional design
- Enhanced air circulation and ventilation area
- Connection type: Screw and nut terminal (compatible with standard cables and lugs)



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## HARMONIC FILTER REACTORS AND INDUCTIVE LOAD (SHUNT) REACTORS



TRIPHASE HARMONIC FILTER (189Hz p=%7 THDV8)

| Order Code | Product Code | Product Description                        | A   | B   | C   | L (mH) | I rms (A) | Connection   | Weight (Kg) | Price (Unit/\$) |
|------------|--------------|--------------------------------------------|-----|-----|-----|--------|-----------|--------------|-------------|-----------------|
| TBHR5200   | HRT-73400,5  | 0,50 KVAR Three-Phase Harmonic Filter – %7 | 145 | 150 | 54  | 70,98  | 0,8       | Terminal     | 1,4         | \$96,25         |
| TBHR5201   | HRT-73401    | 1 KVAR Three-Phase Harmonic Filter – %7    | 145 | 150 | 54  | 38,33  | 1,6       | Terminal     | 1,5         | \$105,00        |
| TBHR5202   | HRT-73401,5  | 1,5 KVAR Three-Phase Harmonic Filter %7    | 145 | 150 | 54  | 25,53  | 2,4       | Terminal     | 1,5         | \$111,25        |
| TBHR5203   | HRT-73402,2  | 2,2 KVAR Three-Phase Harmonic Filter %7    | 145 | 150 | 74  | 17,5   | 3,52      | Terminal     | 2,2         | \$121,25        |
| TBHR5204   | HRT-73402,5  | 2,5 KVAR Three-Phase Harmonic Filter %7    | 145 | 150 | 74  | 15,32  | 4         | Terminal     | 2,2         | \$121,25        |
| TBHR5205   | HRT-73403,1  | 3,1 KVAR Three-Phase Harmonic Filter %7    | 168 | 180 | 79  | 12,28  | 5         | Terminal     | 2,5         | \$123,75        |
| TBHR5206   | HRT-73404,4  | 4,44 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 120 | 8,63   | 7,1       | Terminal     | 4,8         | \$136,25        |
| TBHR5207   | HRT-73405    | 5 KVAR Three-Phase Harmonic Filter %7      | 180 | 180 | 120 | 7,66   | 8         | Terminal     | 5,3         | \$138,75        |
| TBHR5208   | HRT-73406,25 | 6,25 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 120 | 6,15   | 10        | Terminal     | 5,5         | \$148,75        |
| TBHR5209   | HRT-73406,66 | 6,66 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 130 | 5,78   | 10,65     | Terminal     | 7           | \$193,75        |
| TBHR5210   | HRT-73407,5  | 7,5 KVAR Three-Phase Harmonic Filter %7    | 180 | 180 | 130 | 5,11   | 12        | Terminal     | 7           | \$193,75        |
| TBHR5211   | HRT-73408,8  | 8,88 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 130 | 4,31   | 14,2      | Terminal     | 8           | \$211,25        |
| TBHR5212   | HRT-734010   | 10 KVAR Three-Phase Harmonic Filter %7     | 180 | 180 | 140 | 3,83   | 16        | Terminal     | 8           | \$211,25        |
| TBHR5213   | HRT-734011,1 | 11,10 KVAR Three-Phase Harmonic Filter %7  | 180 | 180 | 150 | 3,45   | 17,7      | Terminal     | 9,8         | \$230,00        |
| TBHR5214   | HRT-734012   | 12,5 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 150 | 3,06   | 20        | Terminal     | 9,8         | \$230,00        |
| TBHR5215   | HRT-734013,3 | 13,3 KVAR Three-Phase Harmonic Filter %7   | 180 | 180 | 150 | 2,88   | 21,2      | Terminal     | 10          | \$247,50        |
| TBHR5216   | HRT-734015   | 15 KVAR Three-Phase Harmonic Filter %7     | 180 | 180 | 150 | 2,55   | 24        | Terminal     | 10          | \$247,50        |
| TBHR5217   | HRT-734017,7 | 17,77 KVAR Three-Phase Harmonic Filter %7  | 210 | 240 | 160 | 2,18   | 28        | Terminal lug | 12          | \$286,25        |
| TBHR5218   | HRT-734020   | 20 KVAR Three-Phase Harmonic Filter %7     | 210 | 240 | 160 | 1,92   | 32        | Terminal lug | 12,5        | \$286,25        |
| TBHR5219   | HRT-734022,2 | 22,2 KVAR Three-Phase Harmonic Filter %7   | 210 | 240 | 160 | 1,72   | 36        | Terminal lug | 12,5        | \$298,75        |
| TBHR5220   | HRT-734025   | 25 KVAR Three-Phase Harmonic Filter %7     | 210 | 240 | 160 | 1,53   | 40        | Busbar       | 13          | \$298,75        |
| TBHR5221   | HRT-734026,6 | 26,65 KVAR Three-Phase Harmonic Filter %7  | 210 | 240 | 160 | 1,44   | 42,6      | Busbar       | 15          | \$306,25        |
| TBHR5223   | HRT-734030   | 30 KVAR Three-Phase Harmonic Filter %7     | 210 | 240 | 180 | 1,28   | 48        | Terminal lug | 17          | \$348,75        |
| TBHR5224   | HRT-734035,5 | 35,5 KVAR Three-Phase Harmonic Filter %7   | 210 | 240 | 180 | 1,08   | 57        | Terminal lug | 19          | \$375,00        |
| TBHR5225   | HRT-734040   | 40 KVAR Three-Phase Harmonic Filter %7     | 250 | 260 | 160 | 0,96   | 64        | Busbar       | 21          | \$378,75        |
| TBHR5226   | HRT-734044   | 44,4 KVAR Three-Phase Harmonic Filter %7   | 250 | 260 | 160 | 0,86   | 70        | Busbar       | 21          | \$387,50        |
| TBHR5227   | HRT-734050   | 50 KVAR Three-Phase Harmonic Filter %7     | 260 | 300 | 150 | 0,77   | 80        | Busbar       | 23          | \$395,00        |
| TBHR5228   | HRT-734053   | 53,3 KVAR Three-Phase Harmonic Filter %7   | 260 | 300 | 150 | 0,64   | 84        | Busbar       | 23          | \$406,25        |
| TBHR5229   | HRT-734060   | 60 KVAR Three-Phase Harmonic Filter %7     | 260 | 300 | 160 | 0,57   | 96        | Busbar       | 27          | \$498,75        |
| TBHR5230   | HRT-734066,6 | 66,6 KVAR Three-Phase Harmonic Filter %7   | 260 | 300 | 160 | 0,51   | 106       | Busbar       | 30          | \$547,50        |
| TBHR5231   | HRT-734075   | 75 KVAR Three-Phase Harmonic Filter %7     | 260 | 300 | 180 | 0,51   | 120       | Busbar       | 35          | \$571,25        |
| TBHR5232   | HRT-734080   | 80 KVAR Three-Phase Harmonic Filter %7     | 260 | 300 | 190 | 0,48   | 128       | Busbar       | 40          | \$606,25        |
| TBHR5233   | HRT-734088,8 | 88,8 KVAR Three-Phase Harmonic Filter %7   | 260 | 300 | 200 | 0,43   | 142       | Busbar       | 42          | \$725,00        |
| TBHR5234   | HRT-7340100  | 100 KVAR Three-Phase Harmonic Filter %7    | 310 | 360 | 200 | 0,38   | 160       | Busbar       | 48          | \$768,75        |



The voltage harmonic distortion level (THDU) ranges between 12% and 14%. Kindly contact us for more information regarding reinforced and copper-wound filter requests. Products without specified values are manufactured upon special order. For further details, feel free to contact us.

#### Technical Specifications

- Engineered to meet CE compliance and fully designed in accordance with EN 61558-1, EN 61558-2-20, EN 60289, and EN 60076-6 standards.
- Nominal Voltage : 230 VAC .... 1000 VAC
- Nominal Power : 0,5-100 kV Ar
- Nominal Frequency : 50 Hz ( 60 Hz Opsiyonel)
- Inductive Tolerance %3
- Standard Resonance Frequencies 189Hz P=%7 - 134Hz P=%14 - 210Hz P=%
- 5,67 Windings: Electrolytic copper or aluminum coil wire – foil
- High permeability iron core with air gap design

- For technical values not specified in our list, feel free to contact us.



THREE PHASE HARMONIC FILTER REACTORS (134Hz p=%14 THDV10)

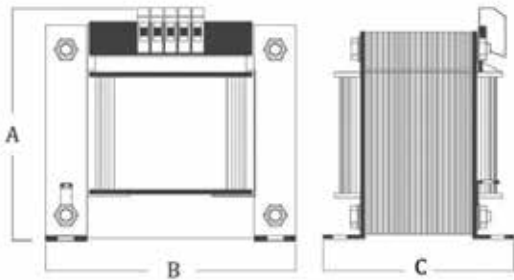
| Order Code | Product Code | Product Description                       | Type | A   | B   | C   | LN (mH) | I rms (A) | Connection | Weight (Kg) | Price (Per Qnt/\$) |
|------------|--------------|-------------------------------------------|------|-----|-----|-----|---------|-----------|------------|-------------|--------------------|
| TBHR6205   | HRT143403,1  | 3,1 KVAR Three-Phase Harmonic Filter %14  | TİP2 | 180 | 160 | 74  | 33,16   | 4,77      | Terminal   | 6           | Price on request   |
| TBHR6208   | HRT143405    | 5 KVAR Three-Phase Harmonic Filter %14    | TİP2 | 180 | 180 | 84  | 16,58   | 7,7       | Terminal   | 7,5         | Price on request   |
| TBHR6212   | HRT143406,25 | 6,25 KVAR Three-Phase Harmonic Filter %14 | TİP2 | 180 | 180 | 94  | 13,26   | 9,6       | Terminal   | 9           | Price on request   |
| TBHR6214   | HRT143407,5  | 7,5 KVAR Three-Phase Harmonic Filter %14  | TİP2 | 230 | 210 | 100 | 11,05   | 11,5      | Terminal   | 9,5         | Price on request   |
| TBHR6216   | HRT1434010   | 10 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 230 | 240 | 100 | 8,29    | 15,4      | Terminal   | 10          | Price on request   |
| TBHR6221   | HRT1434012,5 | 12,5 KVAR Three-Phase Harmonic Filter %14 | TİP2 | 230 | 240 | 120 | 6,6     | 19,2      | Terminal   | 12,5        | Price on request   |
| TBHR6223   | HRT1434015   | 15 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 230 | 240 | 150 | 5,5     | 23        | Terminal   | 15          | Price on request   |
| TBHR6227   | HRT1434020   | 20 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 230 | 240 | 160 | 4,15    | 30,8      | Busbar     | 16          | Price on request   |
| TBHR6233   | HRT1434025   | 25 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 260 | 300 | 170 | 3,32    | 38,5      | Busbar     | 24          | Price on request   |
| TBHR6236   | HRT1434030   | 30 kVAr Three-Phase Harmonic Filter %14   | TİP2 | 260 | 300 | 170 | 2,76    | 46        | Busbar     | 26          | Price on request   |
| TBHR6245   | HRT1434040   | 40 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 260 | 300 | 190 | 2,07    | 61,5      | Busbar     | 39          | Price on request   |
| TBHR6254   | HRT1434050   | 50 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 260 | 300 | 200 | 1,66    | 77        | Busbar     | 45          | Price on request   |
| TBHR6257   | HRT1434060   | 60 KVAR Three-Phase Harmonic Filter %14   | TİP2 | 310 | 360 | 200 | 1,38    | 92        | Busbar     | 48          | Price on request   |



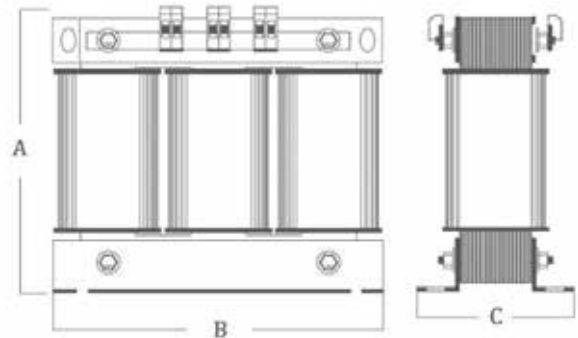
SINGLE-PHASE HARMONIC FILTER 189-Hz P=%7

| Order Code | Product Code | Product Description                      |      | A   | B   | C   | L (mH) | I rms (A) | Connection | Weight (Kg) | Price (Per Qnt/\$) |
|------------|--------------|------------------------------------------|------|-----|-----|-----|--------|-----------|------------|-------------|--------------------|
| TBHR5000   | HRT-71230,5  | 0,5 KVAR SINGLE-PHASE HARMONIC FILTER %7 | TİP1 | 82  | 78  | 55  | 31,8   | 2,9       | Terminal   | 1,2         | \$46,25            |
| TBHR5001   | HRT-71231    | 1 KVAR SINGLE-PHASE HARMONIC FILTER %7   | TİP1 | 88  | 84  | 65  | 12,7   | 5,3       | Terminal   | 1,5         | \$57,50            |
| TBHR5002   | HRT-71231,5  | 1,5 KVAR SINGLE-PHASE HARMONIC FILTER %7 | TİP1 | 88  | 84  | 79  | 8,5    | 7,9       | Terminal   | 2,5         | \$73,75            |
| TBHR5005   | HRT-71232,5  | 2,5 KVAR SINGLE-PHASE HARMONIC FILTER %7 | TİP1 | 100 | 96  | 86  | 5,1    | 13,2      | Terminal   | 4           | \$83,75            |
| TBHR5007   | HRT-71235    | 5 KVAR SINGLE-PHASE HARMONIC FILTER %7   | TİP1 | 122 | 120 | 110 | 2,5    | 26,3      | Terminal   | 6           | \$131,25           |
| TBHR5008   | HRT-71237,5  | 7,5 KVAR SINGLE-PHASE HARMONIC FILTER %7 | TİP1 | 148 | 150 | 85  | 1,7    | 39,5      | Terminal   | 8           | \$168,75           |
| TBHR5009   | HRT-712310   | 10 KVAR SINGLE-PHASE HARMONIC FILTER %7  | TİP1 | 148 | 150 | 97  | 1,3    | 52,6      | Terminal   | 11          | \$206,25           |

TİP 1



TİP 2



\*For technical values not specified in our list, feel free to contact us.





## HARMONİK FİLTRE REAKTÖRÜ SEÇİMİ TABLOSU

### HARMONIC FILTER REACTOR SELECTION TABLE

Harmonic Filter Reactor Selection Table  
(Bus Voltage: 400 V, 50 Hz, 189 Hz, Detuning % = 7)

| Harmonic Filter Product Name<br>(p=%7, 189 Hz) | Order Code<br>for 440-450-460V<br>Capacitor | Order Code<br>for 480-525V<br>Capacitor | Order Code<br>for 525V<br>Capacitor |
|------------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------|
| HRT-73400,5                                    | TBC1100                                     |                                         |                                     |
| HRT-73401                                      | TBC1101                                     |                                         |                                     |
| HRT-73401,5                                    | TBC1102                                     |                                         |                                     |
| HRT-73402,2                                    | TBC1300                                     |                                         |                                     |
| HRT-73402,5                                    | TBC1103                                     |                                         |                                     |
| HRT-73403,1                                    |                                             |                                         | TBC1500                             |
| HRT-73403,73                                   |                                             | TBC1400                                 |                                     |
| HRT-73404,4                                    | TBC1301                                     |                                         |                                     |
| HRT-73405                                      |                                             | TBC1401                                 | TBC1501                             |
| HRT-73406,25                                   |                                             |                                         | TBC1502                             |
| HRT-73406,66                                   | TBC1302                                     |                                         |                                     |
| HRT-73407,5                                    |                                             | TBC1402                                 | TBC1503                             |
| HRT-73408,8                                    | TBC1303                                     |                                         |                                     |
| HRT-734010                                     |                                             | TBC1403                                 | TBC1505                             |
| HRT-734011,1                                   | TBC1304                                     | TBC1404                                 |                                     |
| HRT-734012                                     | TBC1305                                     | TBC1402+1401                            | TBC1506                             |
| HRT-734013,3                                   | TBC1306                                     |                                         |                                     |
| HRT-734015                                     | TBC1303+TBC1302                             | TBC1406                                 | TBC1507                             |
| HRT-734017,7                                   | TBC1307                                     |                                         |                                     |
| HRT-734018,6                                   |                                             | TBC1407                                 |                                     |
| HRT-734020                                     | TBC1306+TBC1304                             | TBC1403+TBC1404                         | TBC1506+TBC1503                     |
| HRT-734022,2                                   | TBC1308                                     |                                         |                                     |
| HRT-734025                                     | TBC1309                                     | TBC1409                                 | TBC1509                             |
| HRT-734026,6                                   | TBC1310                                     |                                         |                                     |
| HRT-734030                                     | TBC1307+TBC1306                             | 2XTBC1406                               | 2XTBC1507                           |
| HRT-734035,5                                   | 2XTBC1307                                   | TBC1406+TBC1404+TBC+1403                | TBC1508+TBC1507                     |
| HRT-734037,5                                   |                                             | 2XTBC1407                               | 2XTBC1508                           |
| HRT-734040                                     | TBC1307+TBC1308                             | TBC1408+TBC1407                         | 2XTBC1507+TBC1504                   |
| HRT-734044                                     | 2XTBC1308                                   |                                         | TBC1509+TBC1508                     |
| HRT-734050                                     | 2XTBC1309                                   | 2XTBC1409                               | 2XTBC1509                           |
| HRT-734053                                     | 2XTBC1310                                   |                                         |                                     |
| HRT-734060                                     | TBC1310+TBC1308+TBC1304                     | 4X1406                                  | TBC1509+TBC1508+TBC1507             |
| HRT-734066,6                                   | 3XTBC1308                                   |                                         |                                     |
| HRT-734071                                     | 4XTBC1307                                   |                                         |                                     |
| HRT-734075                                     | 3XTBC1309                                   | 3XTBC1409                               | 3XTBC1509                           |
| HRT-734080                                     | 3XTBC1310                                   | 3XTBC1408+TBC1406                       | 3XTBC1508+TBC1509                   |
| HRT-734088,8                                   | 4XTBC1308                                   |                                         |                                     |
| HRT-7340100                                    | 4XTBC1309                                   | 4XTBC1409                               | 4XTBC1509                           |

Harmonic Filter Reactor Selection Table  
(Bus Voltage: 400 V, 50 Hz, 210 Hz, Detuning % = 5,67)

| Harmonic Filter Product Name<br>(p=%5,67 -210 Hz) | Order Code<br>for 440-450-460V<br>Capacitor | Order Code<br>for 480-525V<br>Capacitor | Order Code<br>for 525V<br>Capacitor |
|---------------------------------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------|
| HRT-5,673400,5                                    | TBC1100                                     |                                         |                                     |
| HRT-5,673401                                      | TBC1101                                     |                                         |                                     |
| HRT-5,673401,5                                    | TBC1102                                     |                                         |                                     |
| HRT-5,673402,2                                    | TBC1300                                     |                                         |                                     |
| HRT-5,673402,5                                    | TBC1103                                     |                                         |                                     |
| HRT-5,673403,1                                    |                                             |                                         | TBC1500                             |
| HRT-5,673403,73                                   |                                             | TBC1400                                 |                                     |
| HRT-5,673404,4                                    | TBC1301                                     |                                         |                                     |
| HRT-5,673405                                      |                                             | TBC1401                                 | TBC1501                             |
| HRT-5,673406,25                                   |                                             |                                         | TBC1502                             |
| HRT-5,673406,66                                   | TBC1302                                     |                                         |                                     |
| HRT-5,673407,5                                    |                                             | TBC1402                                 | TBC1503                             |
| HRT-5,673408,8                                    | TBC1303                                     |                                         |                                     |
| HRT-5,6734010                                     |                                             | TBC1403                                 | TBC1505                             |
| HRT-5,6734011,1                                   | TBC1304                                     | TBC1404                                 |                                     |
| HRT-5,6734012                                     | TBC1305                                     | TBC1402+1401                            | TBC1506                             |
| HRT-5,6734013,3                                   | TBC1306                                     |                                         |                                     |
| HRT-5,6734015                                     | TBC1303+TBC1302                             | TBC1406                                 | TBC1507                             |
| HRT-5,6734017,7                                   | TBC1307                                     |                                         |                                     |
| HRT-5,6734018,6                                   |                                             | TBC1407                                 | TBC1508                             |
| HRT-5,6734020                                     | TBC1306+TBC1304                             | TBC1403+TBC1404                         | TBC1506+TBC1503                     |
| HRT-5,6734022,2                                   | TBC1308                                     |                                         |                                     |
| HRT-5,6734025                                     | TBC1309                                     | TBC1409                                 | TBC1509                             |
| HRT-5,6734026,6                                   | TBC1310                                     |                                         |                                     |
| HRT-5,6734030                                     | TBC1307+TBC1306                             | 2XTBC1406                               | 2XTBC1507                           |
| HRT-5,6734035,5                                   | 2XTBC1307                                   | TBC1406+TBC1404+TBC+1403                | TBC1508+TBC1507                     |
| HRT-5,6734037,5                                   |                                             | 2XTBC1407                               | 2XTBC1508                           |
| HRT-5,6734040                                     | TBC1307+TBC1308                             | TBC1408+TBC1407                         | 2XTBC1507+TBC1504                   |
| HRT-5,6734044                                     | 2XTBC1308                                   |                                         | TBC1509+TBC1508                     |
| HRT-5,6734050                                     | 2XTBC1309                                   | 2XTBC1409                               | 2XTBC1509                           |
| HRT-5,6734053                                     | 2XTBC1310                                   |                                         |                                     |
| HRT-5,6734060                                     | TBC1310+TBC1308+TBC1304                     | 4X1406                                  | TBC1509+TBC1508+TBC1507             |
| HRT-5,6734066,6                                   | 3XTBC1308                                   |                                         |                                     |
| HRT-5,6734071                                     | 4XTBC1307                                   |                                         |                                     |
| HRT-5,6734075                                     | 3XTBC1309                                   | 3XTBC1409                               | 3XTBC1509                           |
| HRT-5,6734080                                     | 3XTBC1310                                   | 3XTBC1408+TBC1406                       | 3XTBC1508+TBC1509                   |
| HRT-5,6734088,8                                   | 4XTBC1308                                   |                                         |                                     |
| HRT-5,67340100                                    | 4XTBC1309                                   | 4XTBC1409                               | 4XTBC1509                           |

Harmonic Filter Reactor Selection Table – 230 V

| SINGLE-PHASE HARMONIC FILTER ( 215-Hz P=%5,67- 189-Hz P=%7- 134-Hz P=%14) |                               |
|---------------------------------------------------------------------------|-------------------------------|
| HARMONIC FILTER PRODUCT NAME                                              | ORDER CODE FOR 230V CAPACITOR |
| HRT-71230,5 / % 5,67 - %7 - %14                                           | TBC1000                       |
| HRT-71231 / % 5,67 - %7 - %14                                             | TBC1001                       |
| HRT-71231,5 / % 5,67 - %7 - %14                                           | TBC1002                       |
| HRT-71232,5 / % 5,67 - %7 - %14                                           | TBC1003                       |
| HRT-71233 / % 5,67 - %7 - %15                                             | TBC1004                       |
| HRT-71235 / % 5,67 - %7 - %14                                             | TBC1005                       |
| HRT-71237,5 / % 5,67 - %7 - %14                                           | TBC1005+TBC1003               |
| HRT-712310 / % 5,67 - %7 - %14                                            | 2XTBC1005                     |

To select a harmonic filter reactor, it is first necessary to measure and identify the harmonic levels (THDv and THDi), under different load conditions and at various times, while the compensation system is turned off.

Based on these values, a minimum 440V capacitor should be used for P factors of 5.67% and 7%. For a P factor of 14%, a 525V capacitor is recommended.

For a proper application, it is highly recommended to perform measurements using an analyzer and to evaluate the results in consultation with our technical team.

\*For technical values not specified in our list, feel free to contact us.

Harmonic Filter Reactor Selection Table  
(Bus Voltage: 400 V, 50 Hz, 134 Hz)

| HARMONIC FILTER PRODUCT NAME<br>(p=%14, 134 Hz) | 525V<br>ORDER CODE FOR CAPACITOR |
|-------------------------------------------------|----------------------------------|
| HRT-143403,1                                    | TBC1500                          |
| HRT-143405                                      | TBC1501                          |
| HRT-143406,25                                   | TBC1502                          |
| HRT-143407,5                                    | TBC1503                          |
| HRT-1434010                                     | TBC1504                          |
| HRT-1434012,5                                   | TBC1506                          |
| HRT-1434015                                     | TBC1507                          |
| HRT-1434020                                     | TBC1508                          |
| HRT-1434025                                     | TBC1507+TBC1503                  |
| HRT-1434030                                     | TBC1506+TBC1507                  |
| HRT-1434040                                     | 2XTBC1508                        |
| HRT-1434050                                     | 3XTBC1507                        |
| HRT-1434060                                     | 3XTBC1508                        |
| HRT-1434075                                     | 2XTBC1509+TBC1508                |
| HRT-14340100                                    | 6XTBC1507                        |



#### MONOPHASE SHUNT REAKTOR

| Order Code | Product Code | Product Description                | Qc (kVAR) | Voltage (V) | Current (A) | Thermal Protection | Ln (mH) | Type | A (mm) | B (mm) | C (mm) | Connection Type | Weight (kg) | List Price (Per Qnt/\$) |
|------------|--------------|------------------------------------|-----------|-------------|-------------|--------------------|---------|------|--------|--------|--------|-----------------|-------------|-------------------------|
| TBSR5401   | ŞM-230,5     | 0,5 KVAR MONOPHASE SHUNT REACTOR   | 0,5       | 230         | 2,17        | •                  | 336     | TİP1 | 136    | 133    | 106    | Terminal        | 3,5         | \$96,25                 |
| TBSR5402   | ŞM-231       | 1 KVAR MONOPHASE SHUNT REACTOR     | 1         | 230         | 4,34        | •                  | 168     | TİP1 | 145    | 150    | 130    | Terminal        | 6,5         | \$111,25                |
| TBSR5403   | ŞM-231,5     | 1,5 KVAR MONOPHASE SHUNT REACTOR   | 1,5       | 230         | 6,52        | •                  | 112     | TİP1 | 145    | 150    | 150    | Terminal        | 9           | \$123,75                |
| TBSR5404   | ŞM-231,66    | 1,66 KVAR MONOPHASE SHUNT REACTOR  | 1,66      | 230         | 7,2         | •                  | 102     | TİP1 | 145    | 150    | 150    | Terminal        | 9           | \$123,75                |
| TBSR5406   | ŞM-232,5     | 2,5 KVAR MONOPHASE SHUNT REACTOR   | 2,5       | 230         | 10,85       | •                  | 67      | TİP1 | 175    | 192    | 160    | Terminal        | 15          | \$217,50                |
| TBSR5407   | ŞM-233       | 3 KVAR MONOPHASE SHUNT REACTOR     | 3         | 230         | 13,04       | •                  | 56      | TİP1 | 175    | 192    | 170    | Terminal        | 17          | \$228,75                |
| TBSR5408   | ŞM-233,5     | 3,5 KVAR MONOPHASE SHUNT REACTOR   | 3,3       | 230         | 14,3        | •                  | 51      | TİP1 | 175    | 192    | 170    | Terminal        | 17          | \$243,75                |
| TBSR5409   | ŞM-235       | 5 KVAR MONOPHASE SHUNT REACTOR     | 5         | 230         | 21,73       | •                  | 33,8    | TİP2 | 210    | 260    | 180    | Terminal lug    | 20          | \$348,75                |
| TBSR5410   | ŞM-236,67    | 6,67 KVAR MONOPHASE SHUNT REACTOR  | 6,67      | 230         | 29          | •                  | 25,3    | TİP2 | 210    | 260    | 190    | Terminal lug    | 22          | \$431,25                |
| TBSR5411   | ŞM-237,5     | 7,5 KVAR MONOPHASE SHUNT REACTOR   | 7,5       | 230         | 32,6        | •                  | 22,5    | TİP2 | 210    | 260    | 200    | Terminal lug    | 25          | \$468,75                |
| TBSR5412   | ŞM-2310      | 10 KVAR MONOPHASE SHUNT REACTOR    | 10        | 230         | 43,4        | •                  | 16,8    | TİP2 | 250    | 310    | 210    | Terminal lug    | 30          | \$572,50                |
| TBSR5413   | ŞM-2315      | 15 KVAR MONOPHASE SHUNT REACTOR    | 15        | 230         | 65,2        | •                  | 11,3    | TİP2 | 280    | 380    | 230    | Terminal lug    | 40          | \$776,25                |
| TBSR5414   | ŞM-2316,67   | 16,67 KVAR MONOPHASE SHUNT REACTOR | 16,67     | 230         | 72,5        | •                  | 10,3    | TİP2 | 280    | 380    | 240    | Terminal lug    | 45          | \$1.007,50              |
| TBSR5415   | ŞM-2320      | 20 KVAR MONOPHASE SHUNT REACTOR    | 20        | 230         | 87          | •                  | 8,4     | TİP2 | 320    | 400    | 170    | Terminal lug    | 50          | \$1.162,50              |



For technical values not specified in our list, feel free to contact us.

#### Technical Specifications

- Production Standards EN 61558-1, EN 61558-2-20, EN 60289, and EN 60076-6 CE CERTIFIED
- Nominal Power: Single-phase 0.10 - 10 kVAR or three-phase 0.5 - 100 kVAR production N
- Nominal Voltage: 230 VAC ... 1000 VAC
- Nominal Frequency: 50 Hz (60 Hz optional)
- Inductance Tolerance:  $\pm 3\%$
- Magnetic Circuit: High magnetic permeability 0.35 mm silicon laminations
- Windings: Electrolytic copper or aluminum coil wire – foil
- Design: Air-gap design
- Connection: Transformer terminal, rail terminal, SKP lug, copper busbar
- Protection (Electrical): Thermal protection against overheating
- Protection Class: IP 00
- Insulation Class: Class I, Standard F 155°C or H 180°C
- Humidity: Max 95% non-condensing (DIN 40040)
- Operating Altitude: 0 - 2000 m
- Thermal Protection: 120°C (NC contact) thermal protection against overheating Operating Ambient Temperature: -10°C ... +40°C
- Vacuum varnished for moisture protection and silent operation





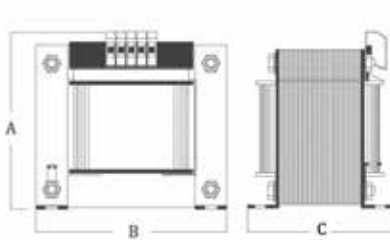
### THREE-PHASE SHUNT REAKTOR

| Order Code | Product Code | Product Description                 | Qc (kVar) | Voltage (V) | Current (A) | Thermal Protection | Ln (mH) | Type | A (mm) | B (mm) | C (mm) | Connection Type | Weight (kg) | List Price (Per Qnt/\$) |
|------------|--------------|-------------------------------------|-----------|-------------|-------------|--------------------|---------|------|--------|--------|--------|-----------------|-------------|-------------------------|
| TBSR5602   | ŞT-400,5     | 0,5 KVAR THREE-PHASE SHUNT REACTOR  | 0,5       | 400         | 0,72        | •                  | 102     | TİP1 | 145    | 125    | 125    | Terminal        | 2,3         | \$152,00                |
| TBSR5603   | ŞT-401       | 1 KVAR THREE-PHASE SHUNT REACTOR    | 1         | 400         | 1,44        | •                  | 505     | TİP1 | 180    | 180    | 140    | Terminal        | 7,8         | \$168,00                |
| TBSR5604   | ŞT-401,5     | 1,5 KVAR THREE-PHASE SHUNT REACTOR  | 1,5       | 400         | 2,16        | •                  | 336     | TİP1 | 180    | 180    | 150    | Terminal        | 9,5         | \$211,00                |
| TBSR5605   | ŞT-402       | 2 KVAR THREE-PHASE SHUNT REACTOR    | 2         | 400         | 2,88        | •                  | 255     | TİP1 | 240    | 230    | 160    | Terminal        | 11,6        | \$232,00                |
| TBSR5606   | ŞT-402,5     | 2,5 KVAR THREE-PHASE SHUNT REACTOR  | 2,5       | 400         | 3,6         | •                  | 202     | TİP1 | 240    | 230    | 160    | Terminal        | 12          | \$245,50                |
| TBSR5607   | ŞT-403       | 3 KVAR THREE-PHASE SHUNT REACTOR    | 3         | 400         | 4,32        | •                  | 170     | TİP1 | 240    | 230    | 180    | Terminal        | 17          | \$416,00                |
| TBSR5608   | ŞT-405       | 5 KVAR TRİFAZE ŞÖNT REAKTOR         | 5         | 400         | 7,2         | •                  | 101     | TİP1 | 280    | 300    | 170    | Terminal        | 27          | \$467,00                |
| TBSR5609   | ŞT-407,5     | 7,5 KVAR THREE-PHASE SHUNT REACTOR  | 7,5       | 400         | 10,8        | •                  | 68      | TİP2 | 280    | 300    | 200    | Terminal        | 36          | \$543,00                |
| TBSR5611   | ŞT-4010      | 10 KVAR THREE-PHASE SHUNT REACTOR   | 10        | 400         | 14,43       | •                  | 51      | TİP2 | 340    | 350    | 180    | Terminal        | 44          | \$731,00                |
| TBSR5612   | ŞT-4012,5    | 12,5 KVAR THREE-PHASE SHUNT REACTOR | 12,5      | 400         | 18,04       | •                  | 41      | TİP2 | 340    | 350    | 200    | Terminal        | 55          | \$891,00                |
| TBSR5613   | ŞT-4015      | 15 KVAR THREE-PHASE SHUNT REACTOR   | 15        | 400         | 21,65       | •                  | 34      | TİP2 | 340    | 350    | 220    | Terminal        | 65          | \$1.063,00              |
| TBSR5614   | ŞT-4020      | 20 KVAR THREE-PHASE SHUNT REACTOR   | 20        | 400         | 28,86       | •                  | 25,5    | TİP2 | 380    | 410    | 230    | Terminal lug    | 81          | \$1.474,00              |
| TBSR5615   | ŞT-4025      | 25 KVAR THREE-PHASE SHUNT REACTOR   | 25        | 400         | 36,08       | •                  | 20,4    | TİP2 | 380    | 410    | 240    | Terminal lug    | 102         | \$1.657,00              |
| TBSR5617   | ŞT-4030      | 30 KVAR THREE-PHASE SHUNT REACTOR   | 30        | 400         | 43,2        | •                  | 16,8    | TİP2 | 440    | 480    | 270    | Terminal lug    | 125         | \$1.954,00              |
| TBSR5620   | ŞT-4040      | 40 KVAR THREE-PHASE SHUNT REACTOR   | 40        | 400         | 57,6        | •                  | 12,6    | TİP2 | 440    | 480    | 300    | Terminal lug    | 141         | \$2.537,00              |
| TBSR5621   | ŞT-4050      | 50 KVAR TRİFAZE SHUNT REAKTOR       | 50        | 400         | 72,17       | •                  | 10,2    | TİP2 | 500    | 480    | 320    | Terminal lug    | 180         | \$2.926,00              |

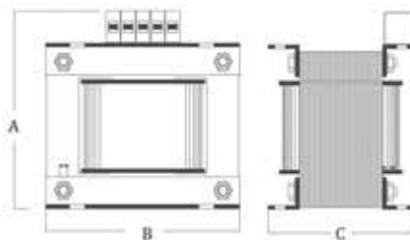


For technical values not specified in our list, feel free to contact us.

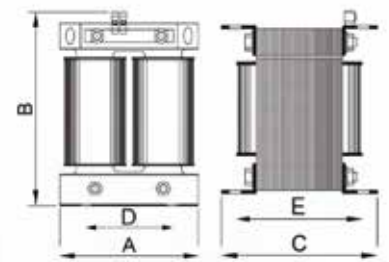
### MONOPHASE SHUNT REACTOR TECHNICAL DRAWING



TİP 1

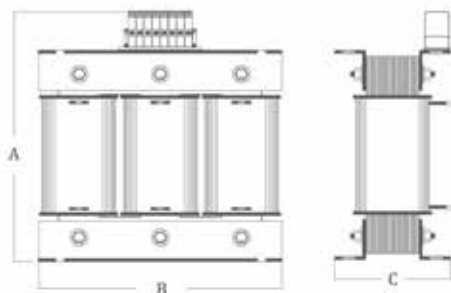


TİP 1



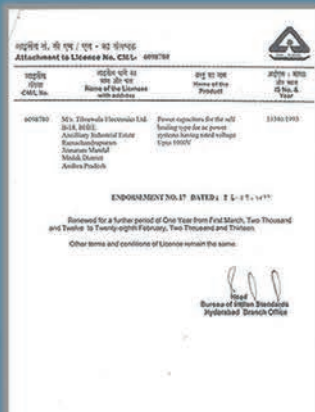
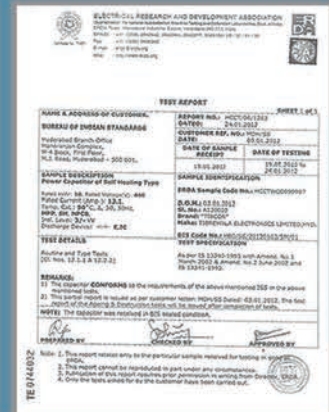
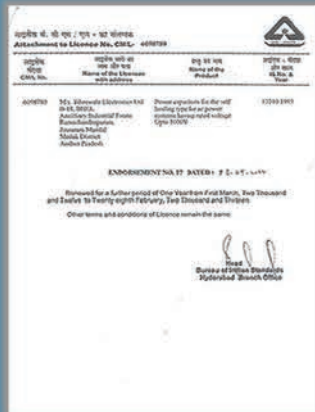
TİP 2

### THREE- PHASE SHUNT REACTOR TECHNICAL DRAWING





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