



T3T up to 10 KVA



T3T 11-40 KVA



General data

| | |
|----------------------|--|
| Rated input voltage | 100-600 V |
| Rated output voltage | 24-600 V |
| Rated power | up to 25 k VA (safety transformers) up to 40 kVA (isolating transformers) |
| Insulation class | class F / H |
| Temperature class | class F / H |

| | |
|-----------------------|-----------------------------|
| Ambient temperature | Ta=40°C |
| Protection degree | IP 00 |
| Standard vector group | Dyn11 (others upon request) |
| Test voltage | 4,2 KV/1' |
| Terminals | terminal blocks or bars |

Application:

Three-phase transformers suitable for any industrial application where it is required the separation between the load and the net. Construction in accordance with the following standards:

Standard

| |
|---|
| CEI-EN 61558; p. 2-4 – Isolating transformers |
| CEI-EN 61558; p. 2-6 – Safety transformers |
| IEC 61558; 2-4; 2-6 |

Upon request:

The transformers could be customized with:

- different voltages
- regulations
- taps on primary or secondary
- different enclosures
- wheels for movement
- vibration absorbers
- electrostatic screen between primary and secondary
- temperature control unit with 3PT100 probes inserted



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Technical data T3T

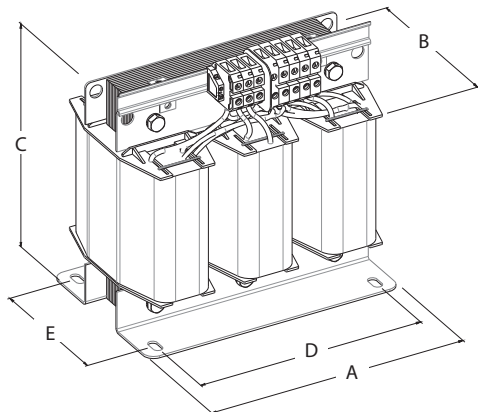


Fig. 1

| CODE | RATED POWER KVA | INSULATION CLASS | DIMENSIONS (mm) | | | | | WEIGHT FIG. BOX | | |
|-------------|--------------------|------------------|-----------------|-----|-----|-----|-----|-----------------|---|-------|
| | | | A | B | C | D | E | Kg | | |
| T3T-0,1... | 0,1 | F | 120 | 75 | 110 | 100 | 50 | 2,1 | 1 | - |
| T3T-0,16... | 0,16 | F | 120 | 85 | 110 | 100 | 60 | 2,8 | 1 | - |
| T3T-0,25... | 0,25 | F | 151 | 95 | 150 | 125 | 60 | 3,8 | 1 | - |
| T3T-0,4... | 0,4 | F | 151 | 110 | 150 | 125 | 75 | 5,5 | 1 | - |
| T3T-0,5... | 0,5 | F | 180 | 120 | 190 | 150 | 72 | 6,7 | 1 | - |
| T3T-0,75... | 0,75 | F | 180 | 140 | 190 | 150 | 92 | 10,9 | 1 | - |
| T3T-1... | 1 | F | 240 | 145 | 260 | 200 | 80 | 15 | 1 | - |
| T3T-1,5... | 1,5 | F | 240 | 155 | 260 | 200 | 90 | 17,6 | 1 | - |
| T3T-2... | 2 | F | 240 | 170 | 260 | 200 | 100 | 24,8 | 1 | - |
| T3T-2,5... | 2,5 | F | 240 | 185 | 260 | 200 | 115 | 28,1 | 1 | - |
| T3T-3... | 3 | F | 300 | 160 | 315 | 250 | 91 | 33 | 1 | ...-1 |
| T3T-4... | 4 | F | 300 | 170 | 315 | 250 | 101 | 39 | 1 | ...-1 |
| T3T-5... | 5 | F | 300 | 190 | 315 | 250 | 121 | 49 | 1 | ...-1 |
| T3T-6... | 6 | F | 360 | 170 | 365 | 300 | 106 | 58 | 1 | ...-2 |
| T3T-7... | 7 | F | 360 | 180 | 365 | 300 | 116 | 62 | 1 | ...-2 |
| T3T-8... | 8 | F | 360 | 190 | 365 | 300 | 126 | 66 | 1 | ...-2 |
| T3T-9... | 9 | F | 360 | 200 | 365 | 300 | 136 | 69 | 1 | ...-2 |
| T3T-10... | 10 | F | 360 | 210 | 365 | 300 | 146 | 75 | 1 | ...-2 |
| T3T-15... | 15 | F | 420 | 250 | 420 | 375 | 150 | 89 | 2 | ...-3 |
| T3T-20... | 20 | F | 420 | 270 | 420 | 375 | 172 | 110 | 2 | ...-3 |
| T3T-25... | 25 | F | 480 | 270 | 450 | 440 | 180 | 125 | 2 | ...-4 |
| T3T-30... | 30 | F | 480 | 280 | 450 | 440 | 190 | 145 | 2 | ...-4 |
| T3T-40... | 40 | F | 480 | 315 | 450 | 440 | 220 | 178 | 2 | ...-4 |

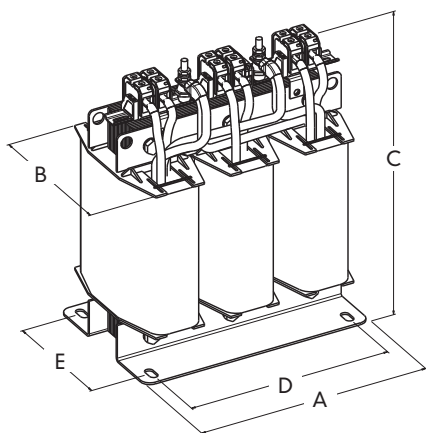


Fig. 2

Electrical data

| RATED POWER KVA | LOSSES (W) | | | EFFICIENCY | | Ucc % | | | INRUSH CURRENT |
|--------------------|------------|-------------|-------|------------|-------|-------|---------|------|----------------|
| | no-load | load (75°C) | total | % | Ucc X | Ucc R | Ucc tot | x In | |
| 0,1 | 5 | 15 | 20 | 83 | - | - | 13,5 | 24 | |
| 0,16 | 6,5 | 19,5 | 26 | 85,8 | - | - | 10,9 | 25 | |
| 0,25 | 7,5 | 24 | 31,5 | 88,4 | - | - | 9 | 26 | |
| 0,4 | 11,5 | 38 | 49,5 | 88,6 | - | - | 8,8 | 24 | |
| 0,5 | 15 | 26,5 | 41,5 | 92,2 | - | - | 5,1 | 22 | |
| 0,75 | 22,5 | 30 | 52,5 | 93,3 | - | - | 3,9 | 25 | |
| 1 | 25,8 | 42 | 67,8 | 93,6 | - | - | 4 | 20 | |
| 1,5 | 30 | 64,5 | 94,5 | 93,9 | - | - | 4,2 | 18 | |
| 2 | 37,5 | 102 | 139,5 | 93,4 | - | - | 4,8 | 17 | |
| 2,5 | 46 | 114 | 160 | 93,9 | - | - | 4,4 | 15 | |
| 3 | 47 | 129 | 176 | 94,3 | - | - | 4,2 | 15 | |
| 4 | 58 | 186 | 244 | 94,2 | - | - | 4,5 | 15 | |
| 5 | 76 | 169 | 245 | 95,3 | - | - | 3,4 | 16 | |
| 6 | 84 | 300 | 384 | 94 | - | - | 5,2 | 14 | |
| 7 | 100 | 285 | 385 | 94,7 | - | - | 4,4 | 15 | |
| 8 | 110 | 355 | 465 | 94,5 | - | - | 4,5 | 15 | |
| 9 | 122 | 384 | 506 | 94,7 | - | - | 4,3 | 15 | |
| 10 | 135 | 387 | 522 | 95,06 | 1,46 | 4,3 | 4,55 | 16 | |
| 15 | 192 | 440 | 632 | 96,22 | 1,7 | 3,17 | 3,6 | 16 | |
| 20 | 140 | 570 | 710 | 96,78 | 1,68 | 2,6 | 3,1 | 16 | |
| 25 | 160 | 720 | 880 | 96,6 | 2,77 | 2,88 | 4 | 18 | |
| 30 | 190 | 800 | 990 | 96,81 | 2,18 | 2,67 | 3,45 | 17 | |
| 40 | 235 | 950 | 1185 | 97,12 | 1,98 | 2,38 | 3,1 | 15 | |