

Dry Type Transformers

General Information

Types QB, QMS, QL, and TransforMore™
600 Volts and Below

Termination

Improved termination spacing and wiring compartment room gives greater flexibility in selecting various UL listed connectors for either copper or aluminum cable.

Product Number Selection Instructions

1. Establish phase and frequency
2. Determine the primary voltage—the voltage presently available
3. Determine the secondary voltage—the voltage needed at the load
4. Determine the kVA load, allowing room for expansion
5. Using the facts determined in the four steps, locate the transformer model in the listings on the following pages.



Type QB, .050 kVA-3 kVA, Single-Phase



Type QMS, 5 kVA-25 kVA, Single-Phase



Type QL, 15 kVA-250 kVA, Single-Phase, TP-1
15 kVA-750 kVA, Three-Phase, TP-1



TransforMore™, 150 kVA-1000 kVA, Three-Phase, TP-1



Dry Type Transformers

General Purpose

Aluminum

Single-Phase TP-1

Section 10

150°C Rise NEMA 2

| Input Voltage | Output Voltage | kVA | Taps | Wiring Diagram No. ¹ | Approx. Net Weight (Lbs) | Frame Size | Product Number |
|-----------------|----------------|------|---------------|---------------------------------|--------------------------|------------|----------------|
| 240 x 480 Volts | 120/240 Volts | 15 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2670 |
| 240 x 480 Volts | 120/240 Volts | 25 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2671 |
| 240 x 480 Volts | 120/240 Volts | 37.5 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2672 |
| 240 x 480 Volts | 120/240 Volts | 50 | (+2, -4 2.5%) | 23 | 400 | YF172 | 9T83B2673 |
| 240 x 480 Volts | 120/240 Volts | 75 | (+2, -4 2.5%) | 23 | 510 | YF174 | 9T83B2674 |
| 240 x 480 Volts | 120/240 Volts | 100 | (+2, -4 2.5%) | 23 | 900 | YF175 | 9T83B2675 |
| 240 x 480 Volts | 120/240 Volts | 167 | (+2, -4 2.5%) | 23 | 1360 | YF176 | 9T83B2676 |
| 240 x 480 Volts | 120/240 Volts | 250 | (+2, -4 2.5%) | 23 | 1700 | YF177 | 9T83B2677 |

115°C Rise NEMA 2

| Input Voltage | Output Voltage | kVA | Taps | Wiring Diagram No. ¹ | Approx. Net Weight (Lbs) | Frame Size | Product Number |
|-----------------|----------------|------|---------------|---------------------------------|--------------------------|------------|----------------|
| 240 x 480 Volts | 120/240 Volts | 15 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2670G15 |
| 240 x 480 Volts | 120/240 Volts | 25 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2671G15 |
| 240 x 480 Volts | 120/240 Volts | 37.5 | (+2, -4 2.5%) | 23 | 400 | YF172 | 9T83B2672G15 |
| 240 x 480 Volts | 120/240 Volts | 50 | (+2, -4 2.5%) | 23 | 500 | YF173 | 9T83B2673G15 |
| 240 x 480 Volts | 120/240 Volts | 75 | (+2, -4 2.5%) | 23 | 510 | YF174 | 9T83B2674G15 |
| 240 x 480 Volts | 120/240 Volts | 100 | (+2, -4 2.5%) | 23 | 900 | YF175 | 9T83B2675G15 |
| 240 x 480 Volts | 120/240 Volts | 167 | (+2, -4 2.5%) | 23 | 1360 | YF176 | 9T83B2676G15 |

80°C Rise NEMA 2

| Input Voltage | Output Voltage | kVA | Taps | Wiring Diagram No. ¹ | Approx. Net Weight (Lbs) | Frame Size | Product Number |
|-----------------|----------------|------|---------------|---------------------------------|--------------------------|------------|----------------|
| 240 x 480 Volts | 120/240 Volts | 15 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2670G80 |
| 240 x 480 Volts | 120/240 Volts | 25 | (+2, -4 2.5%) | 23 | 320 | YF171 | 9T83B2671G80 |
| 240 x 480 Volts | 120/240 Volts | 37.5 | (+2, -4 2.5%) | 23 | 400 | YF172 | 9T83B2672G80 |
| 240 x 480 Volts | 120/240 Volts | 50 | (+2, -4 2.5%) | 23 | 510 | YF174 | 9T83B2673G80 |
| 240 x 480 Volts | 120/240 Volts | 75 | (+2, -4 2.5%) | 23 | 900 | YF175 | 9T83B2674G80 |
| 240 x 480 Volts | 120/240 Volts | 100 | (+2, -4 2.5%) | 23 | 1360 | YF176 | 9T83B2675G80 |
| 240 x 480 Volts | 120/240 Volts | 167 | (+2, -4 2.5%) | 23 | 1700 | YF177 | 9T83B2676G80 |

¹See page 10-45 for wiring diagrams.

