

Dry Type Transformers Midtapped Three-Phase TP-1

Product Description

GE Type QL midtapped transformer enables the user to transform three-phase power from 480 Volts primary to 240 Volts secondary and have 120 Volt, reduced capacity tap (RCT) single-phase capability as well. This is because a single-phase midtap is brought out of one coil of the unit's three-phase secondary winding. These transformers are UL listed, File E-79145.

Application

The Type QL midtapped design can be used wherever there is 480 Volt, three-phase supply available and the load is primarily 240 Volt three-phase with a nominal amount of 120 Volt, single-phase power required. Normally, in this instance, a small single-phase as well as a three-phase transformer would be required to provide the necessary transformation.

Caution: When utilizing the 120 Volt midtap for single-phase applications, the single-phase load should not exceed 5 percent of the three-phase kVA rating. The three-phase kVA load must be reduced by the same percentage as that added by the single-phase load. Additional loading beyond 5 percent may cause the transformer to overheat and fail. If the single-phase load is in excess of 5 percent, it is recommended that a separate single-phase unit be used to handle the load.



Type QL Midtapped Transformer

Aluminum

150°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	240	XV371	9T83B3841
480	240/120	30	(+2,-4 2.5%)	334	XV372	9T83B3842
480	240/120	45	(+2,-4 2.5%)	415	XV373	9T83B3843
480	240/120	75	(+2,-4 2.5%)	620	XV374	9T83B3844
480	240/120	112.5	(+2,-4 2.5%)	765	XV375	9T83B3845
480	240/120	150	(+2,-4 2.5%)	1070	XV376	9T83B3846
480	240/120	225	(+2,-4 2.5%)	1590	XV377	9T83B3847
480	240/120	300	(+2,-4 2.5%)	1820	YF378	9T83B3848
480	240/120	500	(+2,-2 2.5%)	3400	YF379	9T83B3849

115°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	240	XV371	9T83B3841G15
480	240/120	30	(+2,-4 2.5%)	334	XV372	9T83B3842G15
480	240/120	45	(+2,-4 2.5%)	415	XV373	9T83B3843G15
480	240/120	75	(+2,-4 2.5%)	620	XV374	9T83B3844G15
480	240/120	112.5	(+2,-4 2.5%)	1070	XV376	9T83B3845G15
480	240/120	150	(+2,-4 2.5%)	1590	XV377	9T83B3846G15
480	240/120	225	(+2,-4 2.5%)	1820	YF378	9T83B3847G15

80°C Rise 60Hz

Input Voltage	Output Voltage	kVA	Taps	Net Weight (Lbs.)	Frame Size	Product Number
480	240/120	15	(+2,-4 2.5%)	334	XV372	9T83B3841G80
480	240/120	30	(+2,-4 2.5%)	415	XV373	9T83B3842G80
480	240/120	45	(+2,-4 2.5%)	620	XV374	9T83B3843G80
480	240/120	75	(+2,-4 2.5%)	765	XV375	9T83B3844G80
480	240/120	112.5	(+2,-4 2.5%)	1070	XV376	9T83B3845G80
480	240/120	150	(+2,-4 2.5%)	1590	XV377	9T83B3846G80
480	240/120	225	(+2,-4 2.5%)	1820	YF378	9T83B3847G80

