Dry Type Transformers
Drive Isolation
Aluminum
Three-Phase

Application

The use of SCR control circuitry with adjustable-speed drives has resulted in a need for a line of isolation transformers specifically designed to meet the demanding requirements of SCR drives. Symmetrically placed taps and added coil bracing minimize mechanical forces caused by the often severe SCR drive duty cycles. These features also help protect the transformer from the regenerative duty and more frequent short-circuits associated with SCR drives. Isolation transformers also reduce line-pollution feedback resulting from SCR firing circuits. The GE delta-wye designs meet the NEC requirements for grounded secondary neutrals that isolate primary distribution systems. kVA ratings of the DIT line cover most dc motor requirements from 3 to 1000 hp.

Enclosed drive isolation transformers are UL listed.

15 - 220 kVA Indoor Type QL UL Listed

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
230 Volts Delta	230Y/133 Volts	15	60Hz	16	240	XV371	9T83B4000G29
230 Volts Delta	230Y/133 Volts	20	60Hz	16	334	XV372	9T83B4001G29
230 Volts Delta	230Y/133 Volts	27	60Hz	16	334	XV372	9T83B4002G29
230 Volts Delta	230Y/133 Volts	34	60Hz	16	334	XV372	9T83B4003G29
230 Volts Delta	230Y/133 Volts	40	60Hz	16	415	XV373	9T83B4004G29
230 Volts Delta	230Y/133 Volts	51	60Hz	16	415	XV373	9T83B4005G29
230 Volts Delta	230Y/133 Volts	63	60Hz	16	620	XV374	9T83B4006G29
230 Volts Delta	230Y/133 Volts	75	60Hz	16	620	XV374	9T83B4007G29
230 Volts Delta	230Y/133 Volts	93	60Hz	16	765	XV375	9T83B4008G29
230 Volts Delta	230Y/133 Volts	118	60Hz	16	1070	XV376	9T83B4009G29
230 Volts Delta	230Y/133 Volts	145	60Hz	16	1070	XV376	9T83B4010G29
230 Volts Delta	230Y/133 Volts	175	60Hz	16	1590	XV377	9T83B4011G29
230 Volts Delta	230Y/133 Volts	220	60Hz	16	1590	XV377	9T83B4012G29
230 Volts Delta	460Y/266 Volts	15	60Hz	16	240	XV371	9T83B4000G28
230 Volts Delta	460Y/266 Volts	20	60Hz	16	334	XV372	9T83B4001G28
230 Volts Delta	460Y/266 Volts	27	60Hz	16	334	XV372	9T83B4002G28
230 Volts Delta	460Y/266 Volts	34	60Hz	16	334	XV372	9T83B4003G28
230 Volts Delta	460Y/266 Volts	40	60Hz	16	415	XV373	9T83B4004G28
230 Volts Delta	460Y/266 Volts	51	60Hz	16	415	XV373	9T83B4005G28
230 Volts Delta	460Y/266 Volts	63	60Hz	16	620	XV374	9T83B4006G28
230 Volts Delta	460Y/266 Volts	75	60Hz	16	620	XV374	9T83B4007G28
230 Volts Delta	460Y/266 Volts	93	60Hz	16	765	XV375	9T83B4008G28
230 Volts Delta	460Y/266 Volts	118	60Hz	16	1070	XV376	9T83B4009G28
230 Volts Delta	460Y/266 Volts	145	60Hz	16	1070	XV376	9T83B4010G28
230 Volts Delta	460Y/266 Volts	175	60Hz	16	1590	XV377	9T83B4011G28
230 Volts Delta	460Y/266 Volts	220	60Hz	16	1590	XV377	9T83B4012G28

15 - 220 kVA Indoor Type QL UL Listed (continued)

Input Voltage	Output Voltage	kVA	Frequency (Hz)	Wiring Diagram No.[1]	Weight (Lbs)	Frame Size	Product Number
460 Volts Delta	230Y/133	15	60 Hz	16	240	XV371	9T83B4000G23
460 Volts Delta	230Y/133	20	60 Hz	16	334	XV372	9T83B4001G23
460 Volts Delta	230Y/133	27	60 Hz	16	334	XV372	9T83B4002G23
460 Volts Delta	230Y/133	34	60 Hz	16	334	XV372	9T83B4003G23
460 Volts Delta	230Y/133	40	60 Hz	16	415	XV373	9T83B4004G23
460 Volts Delta	230Y/133	51	60 Hz	16	415	XV373	9T83B4005G23
460 Volts Delta	230Y/133	63	60 Hz	16	620	XV374	9T83B4006G23
460 Volts Delta	230Y/133	75	60 Hz	16	620	XV374	9T83B4007G23
460 Volts Delta	230Y/133	93	60 Hz	16	765	XV375	9T83B4008G23
460 Volts Delta	230Y/133	118	60 Hz	16	1070	XV376	9T83B4009G23
460 Volts Delta	230Y/133	145	60 Hz	16	1070	XV376	9T83B4010G23
460 Volts Delta	230Y/133	175	60 Hz	16	1590	XV377	9T83B4011G23
460 Volts Delta	230Y/133	220	60 Hz	16	1590	XV377	9T83B4012G23
460 Volts Delta	460Y/266	15	60 Hz	16	240	XV371	9T83B4000G22
460 Volts Delta	460Y/266	20	60 Hz	16	334	XV372	9T83B4001G22
460 Volts Delta	460Y/266	27	60 Hz	16	334	XV372	9T83B4002G22
460 Volts Delta	460Y/266	34	60 Hz	16	334	XV372	9T83B4003G22
460 Volts Delta	460Y/266	40	60 Hz	16	415	XV373	9T83B4004G22
460 Volts Delta	460Y/266	51	60 Hz	16	415	XV373	9T83B4005G22
460 Volts Delta	460Y/266	63	60 Hz	16	620	XV374	9T83B4006G22
460 Volts Delta	460Y/266	75	60 Hz	16	620	XV374	9T83B4007G22
460 Volts Delta	460Y/266	93	60 Hz	16	765	XV375	9T83B4008G22
460 Volts Delta	460Y/266	118	60 Hz	16	1070	XV376	9T83B4009G22
460 Volts Delta	460Y/266	145	60 Hz	16	1070	XV376	9T83B4010G22
460 Volts Delta	460Y/266	175	60 Hz	16	1590	XV377	9T83B4011G22
460 Volts Delta	460Y/266	220	60 Hz	16	1590	XV377	9T83B4012G22
575 Volts Delta	230Y/133	15	60 Hz	16	240	XV371	9T83B4000G27
575 Volts Delta	230Y/133	20	60 Hz	16	334	XV372	9T83B4001G27
575 Volts Delta	230Y/133	27	60 Hz	16	334	XV372	9T83B4002G27
575 Volts Delta	230Y/133	34	60 Hz	16	334	XV372	9T83B4003G27
575 Volts Delta	230Y/133	40	60 Hz	16	415	XV373	9T83B4004G27
575 Volts Delta	230Y/133	51	60 Hz	16	415	XV373	9T83B4005G27
575 Volts Delta	230Y/133	63	60 Hz	16	620	XV374	9T83B4006G27
575 Volts Delta	230Y/133	75	60 Hz	16	620	XV374	9T83B4007G27
575 Volts Delta	230Y/133	93	60 Hz	16	765	XV375	9T83B4008G27
575 Volts Delta	230Y/133	118	60 Hz	16	1070	XV376	9T83B4009G27
575 Volts Delta	230Y/133	145	60 Hz	16	1070	XV376	9T83B4010G27
575 Volts Delta	230Y/133	175	60 Hz	16	1590	XV377	9T83B4011G27
575 Volts Delta	230Y/133	220	60 Hz	16	1590	XV377	9T83B4012G27
575 Volts Delta	460Y/266	15	60 Hz	16	240	XV371	9T83B4000G26
575 Volts Delta	460Y/266	20	60 Hz	16	334	XV372	9T83B4001G26
575 Volts Delta	460Y/266	27	60 Hz	16	334	XV372	9T83B4002G26
575 Volts Delta	460Y/266	34	60 Hz	16	334	XV372	9T83B4003G26
575 Volts Delta	460Y/266	40	60 Hz	16	415	XV373	9T83B4004G26
575 Volts Delta	460Y/266	51	60 Hz	16	415	XV373	9T83B4005G26
575 Volts Delta	460Y/266	63	60 Hz	16	620	XV374	9T83B4006G26
575 Volts Delta	460Y/266	75	60 Hz	16	620	XV374	9T83B4007G26
575 Volts Delta	460Y/266	93	60 Hz	16	765	XV375	9T83B4008G26
575 Volts Delta	460Y/266	118	60 Hz	16	1070	XV376	9T83B4009G26
575 Volts Delta	460Y/266	145	60 Hz	16	1070	XV376	9T83B4010G26
575 Volts Delta	460Y/266	175	60 Hz	16	1590	XV377	9T83B4011G26
575 Volts Delta	460Y/266	220	60 Hz	16	1590	XV377	9T83B4012G26

[1]See page 10-45 for wiring diagrams.

NOTE: Full capacity symmetrical taps (1) +5% and (1) –5%, in primary windings for 230 and 460 Y thru 550 kVA; (1) +6.2% and (1) –6.2% at 750 kVA; (1) +6.4% and (1) –6.4%) at 1000 kVA. With 575 V primary, symmetrical 5% taps apply thru 750 kVA; at 1000 kVA, (1) +5.1% and (1) –5.1%. For ratings less than 15 kV contact GE Energy Sales Office.

Conversion Chart

Decimal	Fraction
.13	1/8
.38	3/8
.63	5/8
.88	7/8