



DESIGN GUIDE

Low voltage general purpose dry type transformers

Single phase and three phase;
600 volts and below



- Commonly used reference tables
- Efficiency information
- Dimensional data

ABB's comprehensive family of low voltage dry type transformers (LVDTT) provide long life, quiet, and reliable operation.

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Welcome to ABB's low voltage dry type transformer design guide. The purpose of the guide is to provide the data you need to complete a job specification or provide a quote. This document contains technical data such as NEMA ST-20 maximum audible sound levels, rated line amperes, energy efficiency data and dimensional data for our single phase and three phase general purpose transformers.



Accessories and lug kits

Single-phase and three-phase

Wall mount bracket

Frame Size	Catalog Number
UX71A	9T18Y1071G07
UX71C	9T18Y1071G07
UX72A	9T18Y1071G07
UX72C	9T18Y1071G07
UX73A	9T18Y1071G07
UX73C	9T18Y1071G07
UX74A	9T18Y1074G07
UX74C	9T18Y1074G07
UY04A	9T18Y1074G07
UY74A	9T18Y1074G07
UY74C	9T18Y1074G07
DX75C	9T18Y1074G07
DY75A	9T18Y1074G07
DY75C	9T18Y1074G07
YF171	9T18Y5042
YF172	9T18Y5043
YF174	9T18Y5043
YF175	Not available
YF176	Not available
YF177	Not available

Bottom pan

Frame Size	Catalog Number
DY08A	9T18Y1078G09
DX76A	9T18Y1077G09
DX77A	9T18Y1077G09
DX77C	9T18Y1077G09
DY77A	9T18Y1077G09
DY77C	9T18Y1077G09
DX78A	9T18Y1078G09
DX78C	9T18Y1078G09
DY78A	9T18Y1078G09
DY78C	9T18Y1078G09
DX79A	9T18Y1079G09
DY79A	9T18Y1079G09
DY79C	9T18Y1079G09
DX79C	9T18Y1079G09
YF175	9T18Y4504G77
YF176	9T18Y4504G79
YF177	9T18Y4504G79

316 stainless steel rain shield kit

Frame Size	Catalog Number
UX71A	9T18Y1171G06
UX71C	9T18Y1171G06
UX72A	9T18Y1172G06
UX73A	9T18Y1172G06
UX72C	9T18Y1172G06
UX73C	9T18Y1172G06
UY74A	9T18Y1174G06
UX74A	9T18Y1174G06
UY74C	9T18Y1174G06
UX74C	9T18Y1174G06
DY75A	9T18Y1174G06
DY75C	9T18Y1174G06
DX75C	9T18Y1174G06
DY76A	9T18Y1176G06
DY76C	9T18Y1176G06
DX75A	9T18Y1176G06
DX76C	9T18Y1176G06

Ground bar kit

Frame Size	Catalog Number
UY04A	9T18Y1074G11
UX71A	9T18Y1071G11
UX71C	9T18Y1071G11
UX72A	9T18Y1071G11
UX73A	9T18Y1071G11
UX72C	9T18Y1071G11
UX73C	9T18Y1071G11
UY74A	9T18Y1074G11
UX74A	9T18Y1074G11
UY74C	9T18Y1074G11
UX74C	9T18Y1074G11
DY75A	9T18Y1074G11
DY76A	9T18Y1074G11
DY75C	9T18Y1074G11
DY76C	9T18Y1074G11
DX75A	9T18Y1074G11
DX75C	9T18Y1074G11
DX76C	9T18Y1074G11

Rain shield kit

Frame Size	Catalog Number
UY04A	9T18Y1074G06
UX71A	9T18Y1071G06
UX71C	9T18Y1071G06
UX72A	9T18Y1072G06
UX72C	9T18Y1072G06
UX73A	9T18Y1072G06
UX73C	9T18Y1072G06
UY74A	9T18Y1074G06
UX74A	9T18Y1074G06
UY74C	9T18Y1074G06
UX74C	9T18Y1074G06
DY08A	9T18Y1077G06
DY75A	9T18Y1074G06
DY75C	9T18Y1074G06
DX75A	9T18Y1076G06
DX75C	9T18Y1074G06
DY76A	9T18Y1076G06
DY76C	9T18Y1076G06
DX76A	9T18Y1077G06
DX76C	9T18Y1076G06
DX77A	9T18Y1077G06
DX77C	9T18Y1077G06
DY77A	9T18Y1077G06
DY77C	9T18Y1077G06
DY78C	9T18Y1077G06
DY78A	9T18Y1077G06
DX78A	9T18Y1077G06
DX78C	9T18Y1077G06
DX79A	9T18Y1079G06
DX79C	9T18Y1079G06
DY79A	9T18Y1079G06
DY79C	9T18Y1079G06
YF171	9T18Y4317G05
YF172	9T18Y4317G06
YF173	9T18Y4317G06
YF174	9T18Y1074G06
YF175	9Y18Y4322G77
YF176	9T18Y4322G88
YF177	9T18Y4322G88

Lug kits for QL transformers

Frame Size	Catalog Number
UY04A	9T18Y1074G10
UX71A	9T18Y1071G10
UX71C	9T18Y1071G10
UX72A	9T18Y1072G10
UX73A	9T18Y1072G10
UX72C	9T18Y1072G10
UX73C	9T18Y1072G10
UY74A	9T18Y1074G10
UX74A	9T18Y1074G10
UY74C	9T18Y1074G10
UX74C	9T18Y1074G10
DY08A	9T18Y1078G10
DY75A	9T18Y1075G10
DY75C	9T18Y1075G10
DX75C	9T18Y1075G10
DY76A	9T18Y1076G10
DY76C	9T18Y1076G10
DX75A	9T18Y1076G10
DX76C	9T18Y1076G10
DY77A	9T18Y1077G10
DY77C	9T18Y1077G10
DX76A	9T18Y1077G10
DX77A	9T18Y1077G10
DX77C	9T18Y1077G10
DY78A	9T18Y1078G10
DY78C	9T18Y1078G10
DX78A	9T18Y1078G10
DX78C	9T18Y1078G10
DX79A	9T18Y1079G10
DX79C	9T18Y1079G10
DY79A	9T18Y1079G10
DY79C	9T18Y1079G10
YF171	9T18Y7240G02
YF172	9T18Y7241G03
YF174	9T18Y7240G03
YF175	9T18Y7242G07
YF176	9T18Y7242G05
YF177	9T18Y7242G05