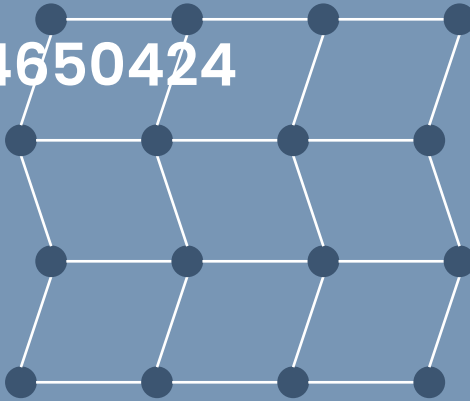


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB D2D160-CE02-11 64650424

Cooling Fan Installation and Airflow Guide

ABB Long-Life Centrifugal Drive Cooling Fan



DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB D2D160-CE02-11 64650424
Reference number	D2D160-CE02-11
Document basis	Published ABB product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/ABB/64650424-d2d160-ce02-11>

Apter Power contact

sales13@apterpower.com | +86 180 3023 5313

Cooling-airflow integration path

ABB D2D160-CE02-11, ABB item code 64650424, is a long-life centrifugal cooling fan used in ABB low-voltage AC drive service applications. Its system function is to move cooling air through the drive or converter so power-electronic modules remain within their designed thermal operating conditions; ABB notes that worn fan bearings reduce cooling capability.

01	Processed Signal: Not an electronic I/O or measurement module. The fan converts AC electrical power into mechanical airflow.
02	System Effect: Cooling airflow removes heat from the drive/converter module so the equipment can maintain operational capability and reliability.
03	Measured Outputs: No tachometer, alarm, analog-output or digital-output signal is published for this exact fan in the cited ABB sources; do not invent one.

Mechanical and electrical boundaries

01	Verification Status: VERIFIED_TYPE_AND_ABB_ITEM_CODE_FROM_OFFICIAL_TECHNICAL_NOTE
02	Exact Mapping: ABB's long-life fan table maps current ABB code 64650424 to previous type D2D160-CE02-11 and new type code D2D160-CE02-11.
03	Lifecycle Status: ABB technical note 3AUA0000216096 Rev F labels 64650424 as the current ABB code for this long-life fan. It does not publish a current lifecycle phase, so do not claim Active, Classic...

Fan installation and airflow checks

01	Match ABB code 64650424, type D2D160-CE02-11, host drive, electrical rating, connector, mounting and airflow direction before replacement.
02	Do not substitute D2D160-CE02-12 or D2D160-CE02-16; ABB assigns those types different item codes.
03	Use 400 V AC and the 2274 W row value only for the documented ACS800-67 module-fan context. The ABB table covers positions U1 and U11.1-2 and does not establish 2274 W as a per-fan nameplate value.
04	Follow the host drive's complete electrical-safety, discharge-time, lifting, fan-access and reassembly procedures; the short long-life-fan note is not an installation manual.
05	ABB recommends replacing a long-life fan every nine years after installation according to the drive-specific preventive-maintenance schedule; harsh conditions may require the current drive schedule and...
06	After replacement, confirm unobstructed airflow, correct fan rotation, secure wiring and normal drive thermal operation before production release.

Identity and release controls

Verification Status	VERIFIED_TYPE_AND_ABB_ITEM_CODE_FROM_OFFICIAL_TECHNICAL_NOTE
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Official ABB sources

New improved long-life fans for LV AC drives	https://library.e.abb.com/public/3c9550504190466486cf7belccde75aa/ABB_New%20long-life_fans_Technical_note_3AUA0000216096%20REVf_EN.pdf
ACS800-67 (+G314) Wind Turbine Converters for Asynchronous Slip Ring Generators Hardware Manual	https://library.e.abb.com/public/23e36ffee54d5ba4c9398918e73330/EN_ACS800-67_C236_HW_revA.pdf