

ABB DRIVE COOLING / EBM-PAPST EC FANS

Product Data Sheet

D3G146-AB06-10 42003741

EC Centrifugal Cooling Fan

NOMINAL SUPPLY VOLTAGE	NOMINAL VOLTAGE RANGE	SUPPLY PHASE COUNT	SUPPLY FREQUENCY
230 V AC	200 to 240 V AC	1	50 / 60 Hz

D3G146-AB06-10 is an ebm-papst electronically commutated centrifugal fan listed by ABB among its long-life drive cooling spares. The existing 42003741 identifier is retained with the product record. It supports cooling in the compatible host-drive configuration rather than serving as a complete drive or process controller.

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VERIFIED TECHNICAL DATA

Nominal supply voltage	230 V AC
Nominal voltage range	200 to 240 V AC
Supply phase count	1
Supply frequency	50 / 60 Hz
Free-air speed	1950 rpm
Free-air power consumption	230 W
Free-air current draw	2.0 A
Free-air volume flow at 230 V / 50 Hz	1325 m³/h
Intake sound pressure at free air	65 dB(A), measured at 1 m
Protection rating	IP54

ADDITIONAL PRODUCT DATA

Insulation class	B
Rotation direction	Counterclockwise, viewed toward rotor
Motor bearings	Ball bearings
Operating mode	S1 continuous duty
Ambient operating temperature	-25 to +50 deg C

DOCUMENTED USE SETTINGS

Pulp Manufacturing and Paper Production: Pulp Production and Processing.

Mining Production and Mineral Processing: Metal Ore Mining.

Chemical Manufacturing and Process Production: Industrial Chemical Production.

SYSTEM COMPATIBILITY

Match D3G146-AB06-10 to the cooling position and complete spare configuration specified for the installed ABB drive. The ABB technical note maps this fan type to its long-life centrifugal-fan replacement list.

PRODUCT EVIDENCE

ebm-papst D3G146-AB06-10, item 55630-5-9980 ENU, approved 7 May 2020, pp. 1 to 5; ABB long-life fan mapping technical note 3AUA0000216096 Rev. F

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