

PRODUCT-DETAILS

# ACS480-04-046A-4

## ACS480-04-046A-4 PN: 22 kW, IN: 45 A



### Información General

Global Commercial Alias	ACS480-04-046A-4
Código de producto	3AXD50000199082
ABB Type Designation	ACS480-04-046A-4
EAN	6438177508526
Descripción corta	ACS480-04-046A-4 PN: 22 kW, IN: 45 A

**Descripción larga**

The ACS480 is a ready-made and capable package for many applications, such as compressors, fan and conveyors, in a variety of light industries, including food and beverage, logistics and warehousing, water and wastewater, and agriculture. It has all essential features built-in as standard, simplifying drive selection, and making additional hardware unnecessary. Straightforward settings menu and assistants enable fast setup, commissioning, use and maintenance. It's a great fit for variable torque and basic speed applications, where you can leverage a compact, cabinet-optimized design for a cost-effective and efficient solution.

### Clasificación

Country of Origin	China (CN) Finland (FI)
Código arancelario	85044084
Invoice Description	ACS480-04-046A-4 PN: 22 kW, IN: 45 A
Made To Order	Yes
Cantidad mínima de pedido	1 piece

Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

## Información de Embalaje

Gross Volume	13.235 dm <sup>3</sup>
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## Dimensiones

Peso del product	5.3 kg
Largo del product	212.1 mm
Alto del producto	240 mm
Ancho del product	260 mm
Embalaje Nivel 1 Largo	356 mm
Embalaje Nivel 1 Alto	275 mm
Embalaje Nivel 1 Ancho	290 mm
Embalaje Nivel 1 Unidades	1 carton

## Technical

Number of Phases	3
Grado de protección	acc. to IEC 60529 IP20
Enclosure Type NEMA	Open Type
Sound dB (A)	69 dB(A)
Frequency (f)	47 ... 63 Hz
Input Voltage ( $U_{in}$ )	380 ... 480 V
Mounting Type	Module for cabinet building
Communication Protocol	MODBUS DeviceNet PROFIBUS CAN EtherNet/IP PROFINET IO TCP/IP Other Bus Systems
Number of Hardware Interfaces	Industrial Ethernet 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1 Parallel 0 Other 2
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 3

Output Current, Heavy-Duty Use	38.0 A
Output Current, Light-Overload Use	42.8 A
Output Current, Normal Use	45.0 A
Output Power, Heavy-Duty Use	18.5 kW
Output Power, Light-Overload Use	22.0 kW
Output Power, Normal Use	22.0 kW
Apparent Power Output	31 kV·A
Efficiency Level	IE2
Standby Loss	38 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	204 W	89.0 %	0.7 %
0/50 %	260 W	92.5 %	0.8 %
0/100 %	450 W	93.4 %	1.4 %
50/25 %	216 W	94.1 %	0.7 %
50/50 %	285 W	95.9 %	0.9 %
50/100 %	508 W	96.3 %	1.6 %
90/50 %	319 W	97.4 %	1.0 %
90/100 %	582 W	97.6 %	1.9 %

Temperature Rating Maximum 50 °C

## Información Adicional

Product Main Type	ACS480-04
Product Name	Frequency converter

## Clasificaciones

ETIM 7	EC001857 - Frequency converter =< 1 kW
UNSPSC	39122001

## Ambiente

SCIP	195df5c0-4685-425b-8b31-e03d5656a0e8 Finland (FI)
Categoría RAEE	5. Small Equipment (No External Dimension More Than 50 cm)

## Categorías

Convertidores de frecuencia → Convertidores de frecuencia de baja tensión de CA → Convertidores de frecuencia de propósito general  
ABB → ACS480-04 - Drive module

