

## PRODUCT-DETAILS

# ACS480-04-033A-4

## ACS480-04-033A-4 PN: 15.0 kW, IN: 32 A



### Información General

|                         |                                        |
|-------------------------|----------------------------------------|
| Global Commercial Alias | ACS480-04-033A-4                       |
| Código de producto      | 3AXD50000199068                        |
| ABB Type Designation    | ACS480-04-033A-4                       |
| EAN                     | 6438177508403                          |
| Descripción corta       | ACS480-04-033A-4 PN: 15.0 kW, IN: 32 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)<br>Finland (FI)             |
| Código arancelario        | 85044084                               |
| Invoice Description       | ACS480-04-033A-4 PN: 15.0 kW, IN: 32 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 | 0.028 m <sup>3</sup> |
|--------------|----------------------|

## Dimensiones

|                           |          |
|---------------------------|----------|
| Peso del product          | 5.3 kg   |
| Largo del product         | 212.1 mm |
| Alto del producto         | 240 mm   |
| Product Net Length        | 212.1 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                | IP20                                                                                                                      |
| Enclosure Type NEMA                | Open Type                                                                                                                 |
| Sound dB (A)                       | 69 dB(A)                                                                                                                  |
| Frequency (f)                      | 50/60 Hz                                                                                                                  |
| Input Voltage (U <sub>in</sub> )   | 380 ... 480 V                                                                                                             |
| Mounting Type                      | Module for cabinet building                                                                                               |
| Communication Protocol             | MODBUS<br>DeviceNet<br>PROFIBUS<br>CAN<br>EtherNet/IP<br>PROFINET IO<br>TCP/IP<br>Other Bus Systems                       |
| Number of Hardware Interfaces      | Industrial Ethernet 0<br>PROFINET 0<br>RS-232 0<br>RS-422 0<br>RS-485 1<br>Serial TTY 0<br>USB 1<br>Parallel 0<br>Other 2 |
| Includes                           | With control unit<br>Without optical interface<br>With PC connection                                                      |
| Analog Inputs                      | 2                                                                                                                         |
| Analog Outputs                     | 2                                                                                                                         |
| Number of Digital In/Outputs       | 6/3                                                                                                                       |
| Output Current, Heavy-Duty Use     | 25.0 A                                                                                                                    |
| Output Current, Light-Overload Use | 30.5 A                                                                                                                    |
| Output Current, Normal Use         | 32.0 A                                                                                                                    |
| Output Power, Heavy-Duty Use       | 11.0 kW                                                                                                                   |

|                                  |         |
|----------------------------------|---------|
| Output Power, Light-Overload Use | 15.0 kW |
| Output Power, Normal Use         | 15.0 kW |
| Apparent Power Output            | 22 kV·A |
| Efficiency Level                 | IE2     |
| Standby Loss                     | 37 W    |

Complete Drive Module  
Efficiency (61800-9-2)

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|----------------------------------------|------------------|------------------|------------|
| 0 / 25 %                               | 152 W            | 0.7 %            | 88.5 %     |
| 0 / 50 %                               | 189 W            | 0.9 %            | 92.3 %     |
| 0 / 100 %                              | 308 W            | 1.4 %            | 93.6 %     |
| 50 / 25 %                              | 161 W            | 0.7 %            | 93.8 %     |
| 50 / 50 %                              | 206 W            | 0.9 %            | 95.8 %     |
| 50 / 100 %                             | 349 W            | 1.6 %            | 96.4 %     |
| 90 / 50 %                              | 229 W            | 1.0 %            | 97.4 %     |
| 90 / 100 %                             | 396 W            | 1.8 %            | 97.7 %     |

|                    |               |
|--------------------|---------------|
| Temperature Rating | Maximum 50 °C |
|--------------------|---------------|

## Información Adicional

|                   |                     |
|-------------------|---------------------|
| Product Main Type | ACS480-04           |
| Product Name      | Frequency converter |

## Clasificaciones

|        |                                        |
|--------|----------------------------------------|
| ETIM 7 | EC001857 - Frequency converter =< 1 kV |
| 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

