

## PRODUCT-DETAILS

# ACS880-01-04A6-2

## ACS880-01-04A6-2 PN: 0.75 kW, IN: 4.6 A



### General Information

Global Commercial Alias	ACS880-01-04A6-2
Product ID	3AUA0000123720
ABB Type Designation	ACS880-01-04A6-2
EAN	6438177388067
Catalog Description	ACS880-01-04A6-2 PN: 0.75 kW, IN: 4.6 A

The ACS880-01 drives are customized to meet the particular needs of specific industries, such as oil and gas, mining, metals, chemicals, cement, power plants, material handling, pulp and paper, sawmills, marine, water and wastewater, food and beverage, and automotive. They can control a wide range of applications, including cranes, extruders, winches, winders, conveyors, mixers, compressors, centrifuges, test benches, elevators, extruders, pumps and fans.

### Long Description

The ACS880-01 comes in one compact package for easy installation and commissioning. The drive can be installed on the wall as standard and in a cabinet as an option. The drive offering includes enclosure classes up to IP55, making it suitable for most environments and installations. ACS880-01 drives have all the essential features built-in. These features include as standard a choke for harmonic filtering as well as options like a brake chopper, EMC filter and communication protocol adapter, functional safety, external output filters and I/O extension modules.

### Ordering

Country of Origin	Finland (FI)
Customs Tariff Number	85044085
Invoice Description	ACS880-01-04A6-2 PN: 0.75 kW, IN: 4.6 A
Made To Order	Yes
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No

Selling Unit of Measure	piece
-------------------------	-------

---

## Container Information

---

Gross Volume	14,327 dm³
--------------	------------

---



---

## Dimensions

---

Product Net Weight	7.0 kg 15.432 lb
Product Net Depth / Length	226 mm 8.898 in
Product Net Height	409 mm
Product Net Width	155 mm 6.102 in
Package Level 1 Depth / Length	574 mm
Package Level 1 Height	281 mm
Package Level 1 Width	256 mm
Package Level 1 Units	1 carton

---



---

## Technical

---

Number of Phases	3
Degree of Protection	acc. to IEC 60529 IP21
Enclosure Type NEMA	Type1
Altitude	4000 m
Sound dB (A)	50 dB(A)
Frequency (f)	48 ... 63 Hz
Frame Size	R1
Input Voltage ( $U_{in}$ )	208 ... 240 V
Mounting Type	Wall-mounted
Communication Protocol	CAN DeviceNet EtherNet/IP LON MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO
Number of Hardware Interfaces	Industrial Ethernet 0 Other 4 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes	With control unit Without optical interface With PC connection
Analog Inputs	2
Analog Outputs	2
Number of Digital In/Outputs	6 / 2
Output Current, Heavy-Duty Use ( $I_{HD}$ )	3.7 A
Output Current, Light-Overload Use ( $I_{LD}$ )	4.4 A
Output Current, Normal Use ( $I_N$ )	4.6 A
Output Power, Heavy-	0.55 kW

Duty Use ( $P_{HD}$ )

Output Power, Light- 0.75 kW

Overload Use ( $P_{LD}$ )

Output Power, Normal 0.75 kW

Use ( $P_n$ )

Apparent Power Output 1.8 kV·A

Efficiency Level IE2

Standby Loss 22 W

Complete Drive Module  
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	38 W	2.1 %	72.0 %
0 / 50 %	42 W	2.3 %	81.8 %
0 / 100 %	51 W	2.8 %	87.1 %
50 / 25 %	39 W	2.1 %	83.9 %
50 / 50 %	44 W	2.4 %	89.9 %
50 / 100 %	55 W	3.0 %	92.9 %
90 / 50 %	47 W	2.5 %	93.8 %
90 / 100 %	61 W	3.3 %	95.5 %

## Temperature Rating

Maximum 40 °C

## Additional Information

Product Main Type ACS880-01

Product Name Frequency converter

## Classifications

Product Series ACS880

ETIM 7 EC001857 - Frequency converter =&lt; 1 kV

UNSPSC 39122001

## Environmental

SCIP eb34d162-3674-482e-9172-743af6d203f9 Finland (FI)

WEEE Category 5. Small Equipment (No External Dimension More Than 50 cm)

## Categories

Drives → Low Voltage AC Drives → Industrial Drives → ACS880 single drives → ACS880-01 - Wall-mounted single drive

