ABB ABB Series Service Manual

ACS880-01-430A-3

1. Description

ACS880-01-430A-3

3. Product Information

ACS880-01-430A-3 | ABB | Frequency Converter

ACS880-01-430A-3 PN: 250 kW, IN: 430 A

Global Commercial Alias ACS880-01-430A-3

Product ID 3AUA0000108038

ABB Type Designation ACS880-01-430A-3

EAN 6438177555216

Catalog Description ACS880-01-430A-3 PN: 250 kW, IN: 430 A

Long Description

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.

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.

Dimensions

95.0 kg

209.439 lb

Product Net Weight

413 mm

16.260 in

Product Net Depth /

Length

Product Net Height 955 mm

380 mm

14.961 in

Product Net Width

Package Level 1 Depth / 1130 mm

Length

Package Level 1 Height 601 mm

Package Level 1 Width 470 mm

Package Level 1 Units 1 carton

Technical

Number of Phases 3

Degree of Protection IP21

Enclosure Type NEMA Type1

Altitude 4000 m

Sound dB (A) 70 dB(A)

Frequency (f) 47.5 ... 63 Hz

Frame Size R9

Input Voltage (Uin) 380 ... 415 V

Mounting Type Wall-mounted

CAN

DeviceNet

EtherNet/IP

MODBUS

Other Bus Systems

PROFIsafe

PROFIBUS

PROFINET IO

Communication Protocol

Industrial Ethernet 0

Other 4

Parallel 0

PROFINET 0

RS-232 0

RS-422 0

RS-485 1

Serial TTY 0

USB 1

Number of Hardware

Interfaces

Control unit

PC connection

Includes

Analog Inputs 2

Analog Outputs 2

Number of Digital 6 / 2

In/Outputs

Output Current, Heavy- 363 A

Duty Use (I HD)

Output Current, Light- 400 A

Overload Use (I LD)

Output Current, Normal 430 A

Use (I n)

Output Power, Heavy- 200 kW

Duty Use (P

HD)

Output Power, Light- 200 kW

Overload Use (P

LD)

Output Power, Normal 250 kW

Use (P

n)

Apparent Power Output 298 kV·A

Efficiency Level IE2

Standby Loss 83 W

Classifications

Product Series ACS880

ETIM 7 EC001857 - Frequency converter =< 1 kV

UNSPSC 39122001