



 PRODUCT-DETAILS

ACS880-07-0430A-7

ACS880-07-0430A-7 PN: 400 kW, IN: 430 A



General Information

Global Commercial Alias:	ACS880-07-0430A-7
Product ID:	3AUA0000169962
ABB Type Designation:	ACS880-07-0430A-7
Catalog Description:	ACS880-07-0430A-7 PN: 400 kW, IN: 430 A
Long Description:	<p>The cabinet-built single drives are built to order, meeting your needs regardless of the technical challenges. The drive configuration includes a rectifier, DC link, inverter, fuses, line choke and a main switch, all built into a compact cabinet for easy assembly and commissioning. The ACS880-07 offers a wide variety of standardized configurations for different application requirements, from line contactors, to preventing unexpected motor starts. If the application requires more, ABB's Order-Based Engineering services can add special features to the standard product, such as an additional cabinet for customer-specific devices.</p> <p>Drives up to frame size R11 are based on a compact single module including rectifier and inverter. Larger drives consist of separate rectifier and inverter modules, providing redundancy with parallel connected units.</p> <p>If one module needs to be disconnected, the drive can continue running at reduced power. The robust design and enclosures up to IP54 make the ACS880-07 suitable for even very harsh environments.</p>
Display Name:	ACS880-07-0430A-7

Ordering

Customs Tariff Number:	85044087
HS Code:	850440 -- ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES;Electrical transformers, static converters (for example, rectifiers) and inductors;Static converters
Invoice Description:	ACS880-07-0430A-7 PN: 400 kW, IN: 430 A
Made To Order:	Yes
Minimum Order Quantity:	1 piece
Order Multiple:	1 piece
Quote Only:	No
Selling Unit of Measure:	piece

Dimensions

Product Net Weight:	530 kg 1168 lb
Product Net Depth / Length:	698 mm 27.480 in
Product Net Height:	2145 mm 84.449 in
Product Net Width:	830 mm 32.677 in
Package Level 1 Depth / Length:	1100 mm 43.307 in
Package Level 1 Height:	2385 mm 93.898 in
Package Level 1 Width:	1144 mm 45.039 in

Technical

Operating Point Frequency / Current	Absolute Loss	Efficiency	Relative Loss
0/25 %	2451 W	91.8 %	0.5 %
0/50 %	3369 W	94.1 %	0.7 %
0/100 %	5397 W	95.2 %	1.1 %
50/25 %	2642 W	95.6 %	0.5 %
50/50 %	3689 W	96.8 %	0.7 %
50/100 %	6191 W	97.3 %	1.2 %
90/50 %	4149 W	98.0 %	0.8 %
90/100 %	7333 W	98.2 %	1.4 %

Number of Phases:	3-phase
Degree of Protection:	IP22
Enclosure Type NEMA:	Type1
Altitude:	1000 m

Operating Humidity (RH_{amb}):	5 ... 95
Power Factor:	0.98
Sound dB (A):	72 dB(A)
Multiple Battery Information:	Lithium Coin, CR2032, 2pcs, 3V, 220mAh, 6g
Frequency (f):	48 ... 63 Hz
Frame Size:	R10
Input Voltage (U_{in}):	525 ... 690 V
Mounting Type:	Cabinet-built
Communication Protocol:	CAN DeviceNet EtherNet/IP MODBUS Other Bus Systems PROFIsafe PROFIBUS PROFINET IO TCP/IP
Number of Hardware Interfaces:	Industrial Ethernet 0 Parallel 0 PROFINET 0 RS-232 0 RS-422 0 RS-485 1 Serial TTY 0 USB 1
Includes:	Control unit PC connection
Analog Inputs:	2
Analog Outputs:	2
Number of Digital In/Outputs:	7 / 5
Output Current, Normal Use (I_n):	430 A
Output Current, Light-Overload Use (I_{LD}):	420 A
Output Current, Heavy-Duty Use (I_{HD}):	360 A
Output Power, Normal Use (P_n):	400 kW
Output Power, Light-Overload Use (P_{LD}):	400 kW
Output Power, Heavy-Duty Use (P_{HD}):	355 kW
Apparent Power Output:	514 kV·A
Standby Loss:	402 W
Temperature Rating:	Maximum 40 °C Minimum 0 °C
Ecodesign Exemption:	Energy efficiency data is not provided for this cabinet-built drive. Cabinet-built drives, with already conform modules, are excluded from the scope of the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.e).

Technical UL

Output Current, Heavy-Duty Use (UL): 360 A

Output Current, Light-Overload Use (UL): 424 A

Output Power, Heavy-Duty Use (UL): 350 Hp

Output Power, Light-Overload Use (UL): 450 Hp

Environmental

SCIP: e1aec134-b168-4e21-9c40-ee5e90c4bab4 Finland

WEEE Category: 4. Large Equipment (Any External Dimension More Than 50 cm)

External Classifications and Standards

UNSPSC: 39122001

Categories

Products > Drives > Low Voltage AC Drives > Industrial Drives > ACS880 Single Drives > ACS880-07 - Cabinet-built single drive

