

PRODUCT-DETAILS

ACH580-01-077A-4

LV AC wall-mounted drive for HVAC, UL: Pld 60 Hp, 77 A, 460 V (ACH580-01-077A-4)



General Information

Global Commercial Alias	ACH580-01-077A-4
Product ID	3AUA0000219795
ABB Type Designation	ACH580-01-077A-4
EAN	6438177501336
Catalog Description	LV AC wall-mounted drive for HVAC, UL: Pld 60 Hp, 77 A, 460 V (ACH580-01-077A-4)

Long Description	ACH580 HVAC drive offering has all key features built-in to control fans, pumps and compressors, and more complex equipment like air-handling units and chillers, ensuring smooth, energy-efficient operation of your HVAC systems in normal and mission-critical situations. The built-in features significantly reduce installation time and the intuitive control panel with an HVAC-specific primary settings menu and help assistants makes startup, commissioning and operation easy. The optional Bluetooth® capability enables the commissioning and monitoring of the drive from a distance. The ACH580-01 comes in IP21 enclosure and can be installed on the wall as standard. Also, IP55 and flange mounting units are available.
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Ordering

Country of Origin	United States (US)
Customs Tariff Number	85044080
Invoice Description	ACH580-01-077A-4, PLd 60HP, I2LD 77A
Made To Order	No
Minimum Order Quantity	1 piece

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

Dimensions

Product Net Weight	42 lb
Product Net Depth / Length	10.12 in
Product Net Height	25.04 in
Product Net Width	7.99 in
Package Level 1 Units	1 carton

Technical

Number of Phases	3
Degree of Protection	IP21
Enclosure Type NEMA	Type1
Frequency (f)	50/60 Hz
Frame Size	R4
Input Voltage (U _{in})	440 ... 480 V
Mounting Type	Wall-mounting
Apparent Power Output	64 kV·A
Efficiency Level	IE2
Standby Loss	21 W

Complete Drive Module
Efficiency (61800-9-2)

Operating Point Frequency / Current	Absolute Loss	Relative Loss	Efficiency
0 / 25 %	275 W	0.4 %	92.7 %
0 / 50 %	358 W	0.6 %	94.9 %
0 / 100 %	641 W	1.0 %	95.4 %
50 / 25 %	301 W	0.5 %	96.0 %
50 / 50 %	415 W	0.6 %	97.1 %
50 / 100 %	784 W	1.2 %	97.2 %
90 / 50 %	494 W	0.8 %	98.1 %
90 / 100 %	1047 W	1.6 %	97.9 %

Temperature Rating	Maximum 40 °C
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Additional Information

Product Name	AC Drive
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Classifications

UNSPSC	39122001
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Environmental	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories
Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for HVAC → ACH580-01 - Wall-mounted drive for HVAC

