

PRODUCT-DETAILS

# ACQ580-34-361A-4

## LV AC ultra-low harmonic drive module for water and wastewater, UL: Pld 300 Hp, 361 A, 480 V (ACQ580-34-361A-4)



General Information	
Global Commercial Alias	ACQ580-34-361A-4
Product ID	3AXD50000428250
ABB Type Designation	ACQ580-34-361A-4
EAN	6438177594000
Catalog Description	LV AC ultra-low harmonic drive module for water and wastewater, UL: Pld 300 Hp, 361 A, 480 V (ACQ580-34-361A-4)
Long Description	The ACQ580-34 drives deliver innovative pump and blower features for the water and wastewater industry, securing energy efficient flow of water and wastewater in your pumping solutions. The ultra-low harmonic variant provides ultimate harmonic performance, reaching even less than 3 % THDi, and exceeding the requirements set by low harmonic standards and recommendations. The drive includes an active supply unit and integrated low harmonic line filter, meaning there is no need for external filters, multi-pulse arrangements or special transformers.
	Other features include output voltage boost and power factor correction. This robust and compact drive module has built-in pump application functionality such as sensorless flow calculation, multipump control, level control, soft pipe fill, dry run protection, quick ramps and a solution for keeping the impeller of the pump clean. Usability is further enhanced with the intuitive Hand-Off-Auto control panel, the PC tool Drive composer and an optional Bluetooth® control panel. The ultra-low harmonic drive module variant comes in IP00 enclosure as standard and is installed into a cabinet. Also, IP20 enclosure is available.

Country of Origin	Finland (FI)
Customs Tariff Number	85044084
Invoice Description	ACQ580-34-361A-4 PN:KW, IN:A
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Quote Only	No
Selling Unit of Measure	piece

<b>Dimensions</b>	
Product Net Weight	376 kg
Product Net Depth / Length	505 mm
Product Net Height	1722 mm
Product Net Width	637 mm
Package Level 1 Depth / Length	1080 mm
Package Level 1 Height	2050 mm
Package Level 1 Width	650 mm
Package Level 1 Units	1 carton

<b>Technical</b>	
Number of Phases	3
Degree of Protection	IP00
Enclosure Type NEMA	Open Type
Frequency (f)	47.5 ... 63 Hz
Frame Size	R11
Input Voltage (U <sub>in</sub> )	380 ... 480 V
Mounting Type	Module_NO UNIT\$
Ecodesign Exemption	Energy efficiency data is not provided for the drive. The low-harmonic drives are exempt from the EU ecodesign requirements (Regulation EU/2019/1781, §2.3.d).

<b>Additional Information</b>	
Product Main Type	ACQ580-34-361A-4
Product Name	Frequency Converter

<b>Classifications</b>	
UNSPSC	39122001

<b>Environmental</b>	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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## Categories

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Drives → Low Voltage AC Drives → Industry-Specific Drives → Drives for water → ACQ580-34 - Ultra-low harmonic drive module for water and wastewater

Drives → Services → Spares and Consumables → Parts

