

PRODUCT-DETAILS

# ACS310-03U-05A2-2

## ACS310-03U-05A2-2, 200 VAC, Pn 1HP , I2n 5.2A, IP20



### General Information

|                         |  |
|-------------------------|--|
| Global Commercial Alias | ACS310-03U-05A2-2  |
| Product ID              | 3AUA0000049470   |
| ABB Type Designation    | ACS310-03U-05A2-2  |
| EAN                     | 6438177222880  |
| Catalog Description     | ACS310-03U-05A2-2, 200 VAC, Pn 1HP , I2n 5.2A, IP20  |
| Long Description        | The ACS310 drives are designed for variable torque applications such as booster pumps and supply and return fans. The drive includes a powerful and beneficial set of features designed for pump and fan applications. These features include built-in PID controllers and pump and fan control (PFC) that varies the drive's performance in response to changes in pressure, flow or other external data. |

### Ordering

|                         |   |
|-------------------------|---|
| Country of Origin       | China (CN)  |
| Customs Tariff Number   | 85044084  |
| Invoice Description     | ACS310-03U-05A2-2, 200 VAC, Pn 1HP , I2n 5.2A, IP20 |
| Made To Order           | No  |
| Minimum Order Quantity  | 1 piece   |
| Order Multiple          | 1 piece   |
| Quote Only              | No  |
| Selling Unit of Measure | piece   |

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**Dimensions**


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|                    |          |
|--------------------|----------|
| Product Net Weight | 1.406 kg |
| Product Net Height | 9.41 in  |
| Product Net Length | 6.34 in  |
| Product Net Width  | 2.76 in  |

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**Technical**


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|   |               |
|---|---------------|
| Number of Phases                                | 3             |
| Degree of Protection                            | IP20          |
| Frequency (f)                                   | 50/60 Hz      |
| Input Voltage ( $U_{in}$ )                      | 200 ... 240 V |
| Mounting Type                                   | Wall-mounting |
| Output Current, Normal<br>Use ( $I_n$ )         | 5.2 A         |
| Output Power, Normal<br>Use ( $P_n$ )           | 1 Hp          |
| Apparent Power Output                           | 2.1 kV·A      |
| Efficiency Level                                | IE2           |
| Standby Loss                                    | 7 W           |
| Complete Drive Module<br>Efficiency (61800-9-2) |               |

| Operating Point<br>Frequency / Current | Absolute<br>Loss | Relative<br>Loss | Efficiency |
|--|------------------|------------------|------------|
| 0 / 25 %                               | 32 W             | 1.5 %            | 77.4 %     |
| 0 / 50 %                               | 36 W             | 1.8 %            | 85.4 %     |
| 0 / 100 %                              | 47 W             | 2.3 %            | 89.3 %     |
| 50 / 25 %                              | 33 W             | 1.6 %            | 87.3 %     |
| 50 / 50 %                              | 39 W             | 1.9 %            | 91.9 %     |
| 50 / 100 %                             | 52 W             | 2.5 %            | 94.0 %     |
| 90 / 50 %                              | 42 W             | 2.0 %            | 94.9 %     |
| 90 / 100 %                             | 59 W             | 2.8 %            | 96.2 %     |

Temperature Rating Maximum 40 °C

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**Additional Information**


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Product Name AC Drive

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**Classifications**


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|        |          |
|--------|----------|
| eClass | ETIM 7   |
| UNSPSC | 39122001 |

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**Environmental**


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|---------------|--|
| SCIP          | f1e04c62-cc4b-446d-ad73-3ee1ba33dd03 Finland (FI)          |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

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## Categories

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Drives → Low Voltage AC Drives → General Purpose Drives → ACS310 - Drive module for pumps and fans

