ATV212HD18N4

ATV212HD18N4 Variable Speed Drive, 18.5kW, 480V, 3-Phase, IP21

BRAND
Schneider Electric

PRODUCT FAMILY
Altivar 212

SUPPLY BASIS
RFQ / on request - no stock claim

ORDER CODE / PRODUCT REFERENCE
ATV212HD18N4

CATEGORY
Variable Frequency Drive

RECORD IDENTITY
Catalog identity matched

PRODUCT DESCRIPTION

This Altivar 212 variable speed drive can feed 3-phase asynchronous motors. Its protection index is IP21 and it has a built-in EMC filter. It works at a rated power up to 18.5kW / 25hp and a rated voltage from 380V to 480V AC. Its design is based on eco-energy with a reduction in energy consumption of up to 70% compared to a conventional control system. Thanks to its cable temperature rise reduction technology, the Altivar 212 drive offers immediate, disturbance-free operation avoiding additional options such as a line choke or DC choke to deal with current harmonics. It weighs 11.65kg and its dimensions are, 245mm wide, 330mm high, 190mm deep. It is specifically designed for the most common fluid management applications in tertiary sector buildings (HVAC) like heating, ventilation, air conditioning and pumping. It conforms to international standards IEC/EN 61800-5-1 and IEC/EN 61800-3 (immunity and conducted and radiated EMC emissions). It is also CE, UL, CSA, C-Tick and NOM certified. The Altivar 212 offers optional motor chokes which can increase the maximum cable lengths between the drive and the motor and limit disturbance at the motor terminals. It is designed to be mounted in vertical position (+/- 10 °) on a panel, thanks to 4 fixing holes. The Altivar 212 drive can easily be adapted to all building management systems thanks to its numerous functions and communication protocols integrated as standard, Modbus, METASYS N2, APOGEE FLN P1 and BACnet. It is eco-friendly an

RECORDED SPECIFICATIONS

EMC filter	Class C2 integrated
Motor power	18.5 kW (25 hp)
Speed range	1:10
Line current	27.8 A (at 480 V), 34.8 A (at 380 V)
Apparent power	28.2 kVA (at 380 V)
Network phases	3
Output frequency	0.5?200 Hz
Supply frequency	50...60 Hz
Switching frequency	6...16 kHz adjustable
Prospective line Isc	22 kA

ADDITIONAL SPECIFICATIONS

Rated supply voltage	380...480 V
IP degree of protection	IP21
Manufacturer part number	ATV212HD18N4
Continuous output current	37 A
Maximum transient current	40.7 A (for 60 s)
Nominal switching frequency	8 kHz

MANUFACTURER DOCUMENTATION

No manufacturer document is linked because exact-SKU or compatible-family evidence has not been recorded.

Document status: This is an InduMarket product specification summary, not a manufacturer-issued datasheet. It is generated from the catalog record for the exact part number. Any linked manufacturer document passed the SKU-compatibility evidence gate. Confirm ratings, compatibility, certifications and any successor reference before ordering.