

SCHNEIDER ELECTRIC ALTIVAR PROCESS ATV600

Product Data Sheet

ATV630C16N4

160 kW variable speed drive

FUNCTION	FAMILY	ORIGIN	WEIGHT
160 kW variable speed drive	Schneider Electric Altivar Process ATV6	France	105.00 kg

Altivar Process ATV630C16N4 is a 160 kW variable speed drive for the Schneider Electric Altivar Process ATV600. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	ATV630C16N4
Product Class	160 Kw Variable Speed Drive
Product Family	Schneider Electric Altivar Process ATV600
Motor Power	160 kW
Horsepower Rating	250 hp class
Supply Voltage	380 to 480 V AC
Supply Frequency	50/60 Hz
Output Current	302 A nominal class
Protection Rating	IP21 / UL Type 1
EMC Filter	Integrated category C3

Control Method	Synchronous / asynchronous motor
Cooling	Forced convection
Mounting	Floor or wall enclosure

- Route robotic handling with 160 Kw process control: In the automation chain for the robots, grippers and transfer fixtures, ATV630C16N4 operates in its approved product-family role as a 160 kW variable speed drive. During fault recovery, the system uses this function to restore the cell from a defined intermediate state, helping it resume material flow without losing part identity.
- Observe aeration-blower output with 160 Kw process control: Inside the blower motors, air headers and oxygen-control loops, ATV630C16N4 performs its assigned control role as a 160 kW variable speed drive. During oxygen-setpoint change, the system uses this function to coordinate blower speed with the required air delivery, helping it match aeration energy to treatment demand.
- Sequence bulk conveying with 160 Kw process control: In the automation chain for the feeders, belts and transfer chutes, ATV630C16N4 serves its documented function as a 160 kW variable speed drive. During material surge, the system uses this function to adapt equipment demand to material flow, helping it reduce spillage and belt overload.

Match ATV630C16N4 to the installed Schneider Electric Altivar Process ATV600, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Schneider Electric official product documentation and manufacturer catalog](#)

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