Schneider Electric ATV61HD37N4

37 kW variable-speed drive for pumps and ventilation

Schneider Electric ATV61HD37N4 is an Altivar 61 variable-speed drive rated 37 kW for three-phase 380 to 480 V pump and ventilation applications.

PRODUCT ROLE

37 kW variable-speed drive for pumps and ventilation. The complete order reference controls the identity used for service and procurement.

Motor power	37 kW / 50 hp
Supply	380 to 480 V, three-phase
Line current	84 A at 380 V / 69 A at 480 V
Apparent power	55.3 kVA
Continuous output	79 A at 380 V / 65 A at 460 V
Transient current	94.8 A for 60 s
Output frequency	0.1 to 599 Hz

IDENTITY CONTROL

Verify absence of DC-bus voltage and retain the complete parameter archive before any wiring work.

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Continuous output	79 A at 380 V / 65 A at 460 V
Transient current	94.8 A for 60 s
Output frequency	0.1 to 599 Hz
Nominal switching	12 kHz
Communication	Modbus and CANopen
EMC	Integrated filter, level 3

Supply limits	323 to 528 V
Application	Pumping and ventilation

VALUE DISCIPLINE

Each value on this page comes from the exact Schneider Electric product datasheet. It is not borrowed from another family member.

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PUMP SPEED CONTROL

Regulates a documented three-phase pump motor within the 37 kW drive envelope.

VENTILATION SYSTEMS

Controls fan speed using the Altivar 61 application functions.

MODBUS OR CANOPEN INTEGRATION

Connects the drive through the configured industrial network.

EXACT DRIVE RENEWAL

Preserves the ATV61HD37N4 power class, mains class and parameter archive.

INTEGRATION LIMIT

These are documented engineering uses, not proof that the product can substitute for a different model or configuration.

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Which motor-power class identifies ATV61HD37N4?

It is the 37 kW, 50 hp Altivar 61 entry for the documented three-phase supply class.

What supply range applies?

The rated class is 380 to 480 V three-phase, with published operating limits of 323 to 528 V.

What transient current is documented?

The datasheet lists 94.8 A for 60 seconds under the stated conditions.

Which built-in networks are available?

Modbus and CANopen communication are documented.

What must be archived before drive replacement?

Save the full parameter set, motor data, I/O assignments, network settings and safety-related installation record.

Can a drive with the same kW rating be substituted directly?

No. Voltage class, current ratings, options, firmware and application configuration must all be engineered.

DECISION RULE

When the installed marking or project record conflicts with a catalog assumption, stop and verify the exact Schneider Electric documentation before service.

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01 / CONTROL POINT

Confirm the complete ATV61HD37N4 marking, rack or drive position and controlled maintenance record.

02 / CONTROL POINT

Place the connected machine and control system in the approved safe maintenance state.

03 / CONTROL POINT

Isolate every documented power and field circuit, then prove the absence of hazardous energy.

04 / CONTROL POINT

Record the motor power and published value 37 kW / 50 hp; do not replace it with a nearby family value.

05 / CONTROL POINT

Preserve the supply and published value 380 to 480 V, three-phase, terminal labels, cable identities, shield and grounding arrangement.

06 / CONTROL POINT

Protect connectors and electronics with grounded ESD controls and clean handling practices.

07 / CONTROL POINT

Restore wiring and power only after a point-by-point inspection against the service record.

08 / CONTROL POINT

Verify absence of DC-bus voltage and retain the complete parameter archive before any wiring work.

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SOURCE LEDGER

Schneider Electric ATV61HD37N4 Product Data Sheet

Exact-model manufacturer document supplied unchanged as Manuals 2.

Evidence scope	Exact order reference and published technical characteristics
Manuals 2	ATV61HD37N4-datasheet.pdf
Authored files	Technical Reference plus Complete Product Information

SELECTED APTER POWER CATALOG LINKS

Browsing references only. No compatibility, replacement or interchangeability claim is implied.

View Schneider Electric 170ADI35000

View Schneider Electric 170AAI14000

View Schneider Electric ATV61HD75N4

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