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.

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

EXACT MODEL

ATV61HD37N4 is the controlled service identity. Do not shorten or normalize the suffix.

SYSTEM BOUNDARY

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

ACCEPTANCE RECORD

Record the installed position, wiring or network identity, configuration and final functional test.

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Motor power	37 kW / 50 hp	**Output frequency**	0.1 to 599 Hz
Supply	380 to 480 V, three-phase	**Nominal switching**	12 kHz
Line current	84 A at 380 V / 69 A at 480 V	**Communication**	Modbus and CANopen
Apparent power	55.3 kVA	**EMC**	Integrated filter, level 3
Continuous output	79 A at 380 V / 65 A at 460 V	**Supply limits**	323 to 528 V
Transient current	94.8 A for 60 s	**Application**	Pumping and ventilation

ENGINEERING CHECK

Compare every applicable field value with the installed nameplate, electrical drawings and controller configuration before release.

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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.

Identity	ATV61HD37N4
Series	Altivar 61
Role	37 kW variable-speed drive for pumps and ventilation
Release boundary	Verify absence of DC-bus voltage and retain the complete parameter archive before any wiring work.

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37 kW variable-speed drive for pumps and ventilation

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

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

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

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

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

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

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

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

RETURN-TO-SERVICE

Release only after the documented signal, network or motion response is proven and the final acceptance record is retained.

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SOURCE LEDGER

Schneider Electric ATV61HD37N4 Product Data Sheet

The exact manufacturer product data sheet is retained unchanged in Manuals 2.

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SELECTED APTER POWER CATALOG LINKS

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

View Schneider Electric 140DDO35300

View Schneider Electric 140DDI35300

View Schneider Electric 140NRP95400

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEB www.apterpower.com

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