Schneider Electric ATV71HD18N4

Variable Speed Drive / Product dashboard

This consolidated record joins Schneider Electric ATV71HD18N4 identity, technical limits, applications, precautions and release evidence on one review surface.

IDENTITY

Schneider Electric ATV71HD18N4

PRODUCT ROLE

Variable Speed Drive

PLATFORM

Altivar 71 IP20 Drive

CONTROL BASIS

Exact evidence plus installed-system record

Product range	Altivar 71
Reference	ATV71HD18N4
Motor rating	18.5 kW / 25 hp
Supply	Three phase, 380 to 480 V, 50/60 Hz
Degree of protection	IP20
Line current	45.5 A at 380 V; 37.5 A at 480 V

The dashboard places ATV71HD18N4 identity, operating role and maintenance boundaries in one review surface for the Altivar 71 IP20 Drive installation.

Dashboard boundary

This overview supports identification and maintenance planning; it does not declare compatibility with a neighboring model or approve a redesign.

Schneider Electric ATV71HD18N4

Variable Speed Drive / Technical matrix

Product range	Altivar 71
Reference	ATV71HD18N4
Motor rating	18.5 kW / 25 hp
Supply	Three phase, 380 to 480 V, 50/60 Hz
Degree of protection	IP20
Line current	45.5 A at 380 V; 37.5 A at 480 V
Apparent power	29.9 kVA at 380 V
Maximum prospective line Isc	22 kA
Maximum continuous current	41 A IEC at 380 V; 34 A NEC at 460 V
60 s transient current	61.5 A
2 s transient current	67.7 A
EMC / interface	Integrated EMC filter; graphic terminal

DATA USE

Values support exact-model identification and configuration review.

LIMIT CONTROL

Electrical, software and loading limits remain subject to the installed design.

RECORD SOURCE

Schneider Electric Altivar 71 Catalogue

REVISION NOTE

April 2014 catalogue, exact ATV71HD18N4 reference table

Schneider Electric ATV71HD18N4

Variable Speed Drive / Application architecture

Material-handling drives

Controls conveyors and hoisting auxiliaries within the engineered torque profile.

Process machinery

Provides adjustable motor speed for pumps, fans, mixers or compressors.

Closed-loop motor control

Supports configured feedback options for demanding speed regulation.

Legacy Altivar 71 service

Restores the exact 18.5 kW N4 execution and retained parameter set.

Input to decision	Exact label plus manufacturer evidence
Installed context	Rack, terminal, network, project and connected process
Change control	Approved scope and retained configuration baseline
Proof	Diagnostic state plus witnessed functional result

Within the Altivar 71 IP20 Drive context, ATV71HD18N4 must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

Schneider Electric ATV71HD18N4

Variable Speed Drive / Risk and decision register

PRIMARY RISK

A mismatch between the ATV71HD18N4 label and the installed variable speed drive record.

CONFIGURATION RISK

Loss of the ATV71HD18N4 project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another Altivar 71 IP20 Drive item as automatically equivalent to ATV71HD18N4.

RELEASE RISK

Returning ATV71HD18N4 to control before diagnostics and functional response are witnessed.

Decision register

Which motor rating is published for Schneider Electric ATV71HD18N4?

The catalog lists 18.5 kW, or 25 hp.

Which continuous currents are listed for Schneider Electric ATV71HD18N4?

The catalog gives 41 A under the 380 V IEC column and 34 A under the 460 V NEC column.

Which enclosure class applies to Schneider Electric ATV71HD18N4?

It is listed among the IP20 Altivar 71 drives.

Why must the parameter set be retained for Schneider Electric ATV71HD18N4?

Motor, control, feedback, braking and protection behavior depend on the commissioned configuration.

Which supply range applies to Schneider Electric ATV71HD18N4?

It is the N4 three-phase 380 to 480 V, 50/60 Hz execution.

Which transient currents are listed for Schneider Electric ATV71HD18N4?

The published values are 61.5 A for 60 seconds and 67.7 A for 2 seconds.

Which line current is documented for Schneider Electric ATV71HD18N4?

The catalog lists 45.5 A at 380 V and 37.5 A at 480 V.

What completes commissioning of Schneider Electric ATV71HD18N4?

Verify supply and motor data, restored parameters, rotation, speed and torque response, safety interlocks, alarms and stable temperature.

Decision closeout

Approve the ATV71HD18N4 decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

Schneider Electric ATV71HD18N4

Variable Speed Drive / Canonical record and support

Canonical identity	Schneider Electric ATV71HD18N4
Product name	Variable Speed Drive
Family	Altivar 71 IP20 Drive
Selection boundary	Exact identity; no neighboring-model inference
Release boundary	Installed record plus witnessed functional proof

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

Schneider Electric ATV930C16N4	View Schneider Electric ATV930C16N4 page
Schneider Electric ATV320U75N4B	View Schneider Electric ATV320U75N4B page

MANUFACTURER EVIDENCE RECORD

Schneider Electric Altivar 71 Catalogue

April 2014 catalogue, exact ATV71HD18N4 reference table

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Send the exact model, quantity, destination and requested condition for a quotation.