Schneider Electric BMH1403P11A2A

AC Servo Motor / Exact identity and technical profile

The technical decision for BMH1403P11A2A is controlled by its exact manufacturer identity, published characteristics and documented Lexium 32 / BMH boundary.

Continuous stall torque	24 N.m
Peak stall torque	71.8 N.m
Continuous power	4.5 kW
Nominal speed	3000 rpm
Maximum mechanical speed	4000 rpm
Shaft option	Keyed shaft; IP54 shaft end

TECHNICAL MARKER

Decode the complete 11A2A option string before selection.

TECHNICAL MARKER

Keep the keyed-shaft and encoder feedback arrangement unchanged.

TECHNICAL MARKER

Treat the no-brake execution as an explicit machine-design condition.

TECHNICAL MARKER

Use the documented Lexium 32 drive and feedback pairing.

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read BMH1403P11A2A from the installed label and procurement record
Function evidence	Confirm the published ac servo motor role in the Lexium 32 / BMH system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept BMH1403P11A2A only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented BMH1403P11A2A position requires separate engineering approval.

Schneider Electric BMH1403P11A2A

AC Servo Motor / Published characteristics

This matrix groups the published BMH1403P11A2A characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact ac servo motor record.

Continuous stall torque	24 N.m
Peak stall torque	71.8 N.m
Continuous power	4.5 kW
Nominal speed	3000 rpm
Maximum mechanical speed	4000 rpm
Shaft option	Keyed shaft; IP54 shaft end
Encoder	Single-turn SinCos Hiperface; 131072 points/turn
Holding brake	Without brake
Connection	Rotatable elbow connectors
Flange standard	International flange
Winding class	Class F according to IEC 60034-1
Associated drive	LXM32pD72N4

INTERPRETATION

Use every BMH1403P11A2A value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make BMH1403P11A2A data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Schneider Electric suffix cannot fill a missing BMH1403P11A2A parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Schneider Electric BMH1403P11A2A

AC Servo Motor / System role and data flow

High-torque positioning

Operates a controlled axis requiring the documented 24 N.m stall torque.

Lexium 32 motion axis

Pairs with the documented drive selection and Hiperface feedback.

Keyed-shaft machine drive

Transfers torque through the selected keyed shaft execution.

Exact motor renewal

Restores the complete 11A2A option set without suffix substitution.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	BMH1403P11A2A performs its published ac servo motor role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to BMH1403P11A2A
Published action	The documented ac servo motor function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each BMH1403P11A2A use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Schneider Electric BMH1403P11A2A

AC Servo Motor / Engineering decisions

SUPPORTED IDENTITY

BMH1403P11A2A

PUBLISHED FUNCTION

AC Servo Motor

SYSTEM CONTEXT

Lexium 32 / BMH

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

What continuous stall torque rating is specified for Schneider Electric BMH1403P11A2A?

Schneider Electric identifies the continuous stall torque as 24 N.m; keep that exact entry in the BMH1403P11A2A record.

What peak stall torque rating is specified for Schneider Electric BMH1403P11A2A?

The published BMH1403P11A2A value is 71.8 N.m. The installed configuration must remain within that boundary.

What continuous power rating is specified for Schneider Electric BMH1403P11A2A?

For BMH1403P11A2A, the manufacturer states 4.5 kW. Do not replace it with a nearby suffix value.

What nominal speed rating is specified for Schneider Electric BMH1403P11A2A?

Record 3000 rpm for BMH1403P11A2A and verify the field arrangement against the controlled drawing or project.

What maximum mechanical speed rating is specified for Schneider Electric BMH1403P11A2A?

The exact-model source gives 4000 rpm. Use it together with the actual BMH1403P11A2A nameplate and installation record.

Which shaft option configuration belongs to Schneider Electric BMH1403P11A2A?

BMH1403P11A2A is documented with Keyed shaft; IP54 shaft end; this value belongs to the verified product configuration.

Which encoder configuration belongs to Schneider Electric BMH1403P11A2A?

Use Single-turn SinCos Hiperface; 131072 points/turn as the BMH1403P11A2A encoder reference and resolve any field discrepancy before release.

Which holding brake configuration belongs to Schneider Electric BMH1403P11A2A?

The manufacturer record for BMH1403P11A2A specifies Without brake. Preserve it through selection, installation and acceptance.

Decision closeout

Close the BMH1403P11A2A technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The BMH1403P11A2A decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Schneider Electric BMH1403P11A2A

AC Servo Motor / Evidence and support

Exact product	Schneider Electric BMH1403P11A2A
Technical class	AC Servo Motor
Platform	Lexium 32 / BMH
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

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

Schneider Electric 170AAI14000	View Schneider Electric 170AAI14000 page
Schneider Electric 170ADO35000	View Schneider Electric 170ADO35000 page

MANUFACTURER EVIDENCE RECORD

Schneider Electric Lexium 32 and Motors Catalogue

BMH1403 rating table and BMH order-code definition

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