Yokogawa SR1220E2

Servo Driver / Exact identity and technical profile

This reference separates the exact published characteristics of Yokogawa SR1220E2 from neighboring family variants and undocumented suffixes.

Exact sales identifier	SR1220E2
Official driver base model	SR1220E
Matched motor model	DR1220E
DYNASERV size / series	E type, 8-inch DD servo system
Supply execution	200 V, 50/60 Hz
Interface	8-bit microcomputer bus

TECHNICAL MARKER

SR1220E driver matched to DR1220E motor

TECHNICAL MARKER

E-type eight-inch DYNASERV platform

TECHNICAL MARKER

200 V, 50/60 Hz supply execution

TECHNICAL MARKER

8-bit microcomputer bus interface

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 SR1220E2 from the installed label and procurement record
Function evidence	Confirm the published servo driver role in the DYNASERV DD Servo Actuator DR-A/B/E and SR-A/B/E Series 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 SR1220E2 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented SR1220E2 position requires separate engineering approval.

Yokogawa SR1220E2

Servo Driver / Published characteristics

This matrix groups the published SR1220E2 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact servo driver record.

Exact sales identifier	SR1220E2
Official driver base model	SR1220E
Matched motor model	DR1220E
DYNASERV size / series	E type, 8-inch DD servo system
Supply execution	200 V, 50/60 Hz
Interface	8-bit microcomputer bus
Model-type selection	CS0 to CS3, TTL level
Address bus	A0 to A3, TTL level
Data bus	D0 to D7, TTL level; IOL maximum 24 mA
Driver operating temperature	0 to 50 deg C
Driver operating humidity	20 to 90% RH, no condensation
Documented driver diagnostics	Encoder, power supply, CPU, RAM/ROM, overload and power-amplifier indications

INTERPRETATION

Use every SR1220E2 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make SR1220E2 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 Yokogawa suffix cannot fill a missing SR1220E2 parameter.

ENGINEERING OUTPUT

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

Yokogawa SR1220E2

Servo Driver / System role and data flow

Indexing equipment

Controls the matched direct-drive axis for repeatable rotary positioning.

Industrial robotics

Provides high-torque direct-drive motion where the validated axis design uses the SR1220E driver.

Factory-automation rotary axes

Interfaces the DYNASERV axis with the documented 8-bit controller bus.

Legacy DYNASERV axis service

Restores the exact driver-motor pairing and retained bus settings without changing the machine design.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	SR1220E2 performs its published servo driver 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 SR1220E2
Published action	The documented servo driver 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 SR1220E2 use case to the installed drawing or project tag.

EXCEPTION CONTROL

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

Yokogawa SR1220E2

Servo Driver / Engineering decisions

SUPPORTED IDENTITY

SR1220E2

PUBLISHED FUNCTION

Servo Driver

SYSTEM CONTEXT

DYNASERV DD Servo Actuator DR-A/B/E and SR-A/B/E Series

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

Which product role is documented for Yokogawa SR1220E2?

The official DYNASERV manual lists SR1220E as the driver model in the E-type direct-drive servo system.

Which supply execution applies to Yokogawa SR1220E2?

The final 2 code identifies the 200 V, 50/60 Hz driver execution in the documented voltage-variant scheme.

Which address lines are documented for Yokogawa SR1220E2?

The driver table lists A0 through A3 as TTL-level address-bus inputs.

Why must the motor-driver pairing be preserved for Yokogawa SR1220E2?

The manual states that the driver is adjusted with the coupled motor and that the combination must not be changed.

Which motor is paired with Yokogawa SR1220E2?

The corresponding motor model in the official table is DR1220E.

Which bus interface is used by Yokogawa SR1220E2?

The archived manual identifies an 8-bit microcomputer-bus interface with model-selection, address and data lines.

Which data lines are documented for Yokogawa SR1220E2?

The driver table lists D0 through D7 at TTL level with a stated IOL maximum of 24 mA.

What completes commissioning of Yokogawa SR1220E2?

Confirm bus settings, normal LED state, encoder feedback, rotation, positioning, torque response and all machine interlocks under controlled conditions.

Decision closeout

Close the SR1220E2 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 SR1220E2 decision is accepted only within the documented scope.

REVIEW TRIGGER

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

Yokogawa SR1220E2

Servo Driver / Evidence and support

Exact product	Yokogawa SR1220E2
Technical class	Servo Driver
Platform	DYNASERV DD Servo Actuator DR-A/B/E and SR-A/B/E Series
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.

Yokogawa PW401-S2	View Yokogawa PW401-S2 page
Yokogawa MRI-234-B	View Yokogawa MRI-234-B page

MANUFACTURER EVIDENCE RECORD

Yokogawa DYNASERV DD Servo-Actuator DR-A/B/E SR-A/B/E Series Instruction Manual

Official archived manual IM A202-E, exact SR1220E driver / DR1220E motor tables

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