# ELWOOD HIGH PERFORMANCE MOTORS
SERVOS - STEPPERS

**Elwood High Performance Motors**

*SX-Series Compatibility with*
*Rockwell Automation Drive Families*

**June 25, 2021**

| FEEDBACK: | Hiperface DSL | Hiperface | Incremental Encoder | Resolver | Other | Notes: |
|---|---|---|---|---|---|---|
| **Kinetix®** | | | | | | |
| **Kinetix5700** | ✔ | ✔ | ✔ | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required. |
| **Kinetix5500** | ✔ | H | | | | H = 2198-H2DCK Hiperface to DSL Feedback Converter Kit from Rockwell Automation required. |
| **Kinetix5300** | | ✔ | ✔ | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required. |
| **Kinetix5100**[1] | | ✔[2] | ✔[3] | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required.<br>(1) KNX5100C software required for configuration<br>(2) Hiperface by Motor NV<br>(3) Incremental Encoder by data entry |
| **Kinetix6500** | | ✔ | ✔ | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required. |
| **Kinetix6000** | | ✔ | ✔ | ✔ | | |
| **Kinetix350** | | ✔ | ✔ | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required. |
| **Kinetix300** | | ✔ | ✔ | V | | V = VEGA resolver to encoder with hall effect converter board and configuration through motor nameplate data entry required. |
| | | | | | | **STUDIO 5000 Custom Motor Files (CMF) data available for download for motors on Kinetix axes other then where data entry is required:  https://www.elwood.com/cmf** |
| **PowerFlex®** | | | | | | |
| **PowerFlex 755** | | ✔ | ✔ | V | | SX-Series are surface permanent magnet (sPM) design.  Follow the sPM instructions in the following document for PowerFlex750 setup.<br><br>PowerFlex 750-Series Configuration with Permanent Magnet Motors |
| **PowerFlex 525** | | | | | O | O = Open loop SPM mode only<br><br>SX-Series are surface permanent magnet (SPM) design.  Follow the SPM/Open Loop PM instructions in the following document for PowerFlex525 setup.<br><br>PowerFlex 525 Configuration with Permanent Magnet Motors |

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*Connectivity and Additional Documentation*
Refer to the following documents for helpful information on application of Elwood SX-Series motors with control systems from Rockwell Automation

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|---|---|
| Elwood Motors Database for RSLogix **Including Database Import Tool** (Y, Y†)<br>*Rockwell Automation Knowledgebase Document* | http://www.elwood.com/elwood_cmf.html |
| RSLogix "Nameplate" Data Entry Instructions (Y†, D)<br>*Elwood Motors Technical Document* | **TBD** |
| "MotionView" Data Entry Instructions (Y†, M)<br>*Elwood Motors Technical Document* | http://www.elwood.com/dK300_data.pdf |
| Installation Instructions – SX-Series with Resolver Feedback<br>*Rockwell Automation Literature Database* | http://www.elwood.com/idSX_RA_Resolver.pdf |
| Installation Instructions – SX-Series with Stegmann Absolute Feedback<br>*Rockwell Automation Literature Database* | http://www.elwood.com/idSX_RA_Stegmann.pdf |
| Installation Instructions – SX-Series with Incremental Encoder Feedback<br>*Rockwell Automation Literature Database* | http://www.elwood.com/idSX_RA_Incremental.pdf |
| White Paper – SX-Series with Hiperface DSL Encoder Feedback<br>*Elwood Motors Installation Instructions* | http://www.elwood.com/dSX-Series_DSL.pdf |
| Elwood SX-Series Web Page<br>*Additional information on Elwood Corporation – High Performance Motors* | http://www.elwood.com/sx |
| Send Elwood Email:  Information Request<br>*Send Questions or request additional information from Elwood Corporation* | info@elwood.com |
| Elwood SX-Series Frequently Asked Questions<br>*General information on the SX-Series and answers to common questions.* | http://www.elwood.com/dSX-Series_FAQ_Elwood.pdf |

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**file:///elwood/corporate/cust/424/19/ssSX_RA_Compatibility.ods**