



Elwood High Performance Motors
SX-Series Compatibility with
Rockwell Automation Drive Families

February 16, 2017

Elwood SX-Series	Feedback Options	Kinetix										Ultra	PowerFlex
		6500	6200	6000	5500	5700	350	300	3	2000	7000	3000	755
Servo Motors for Hazardous Locations, Explosion Proof or Dust Proof (ATEX Certified and/or UL/cUL Rated)*	Hiperface DSL, Multi-turn (option "P", Stegmann)	N	N	N	Y	Y	N	N	N	N	N/A	N	N
	Incremental Encoder (option "G", 2000ppr, 200kHz, RS422)	Y†/D	Y†/D	Y†/D	N	Y†/D	Y†/D	Y†/M	N	Y†/D	N/A	U	TBD
	Resolver (option "A", 0.25:1 xfmr, 6Vrms, 4kHz)	N	N	Y†	N	V	N	N	N	N	N/A	N	TBD
	Single-turn Absolute (option "S", Stegmann)	Y	Y	Y	H	Y	Y	Y	N	Y	N/A	Y	TBD
	Multi-turn Absolute (option "T", Stegmann)	Y	Y	Y	H	Y	Y	Y	N	Y	N/A	Y	TBD

Y = Supported
 S = Scheduled support, pending drive firmware revision/approval
 Note: If a supported motor (Y) is not found in the motor database, a custom motor file must be imported. See instructions below.
 N = Not supported
 N/A = Not applicable
 TBD = To be determined

H = Supported, Requires Rockwell Automation 2198-H2DCK protocol conversion connector
 † = RSLogix custom motor files available upon request. Refer below for update instructions
 V = Supported using VegaCNC protocol conversion and "Nameplate" data entry
 D = "Nameplate" data entry support provided by Elwood. Refer below for instructions
 M = "MotionView" data entry support provided by Elwood. Refer below for instructions
 U = Ultraware "Motor Configuration" data entry support available upon request

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

Elwood Motors Database for RSLogix Including Database Import Tool (Y, Y†) Rockwell Automation Knowledgebase Document	http://www.elwood.com/elwood_cmf.html
RSLogix Motor Database Import Tool Requires TechConnect Login (Y, Y†) Rockwell Automation Knowledgebase Document	(LOGIN REQUIRED) https://rockwellautomation.custhelp.com/app/answers/detail/a_id/534602/related/1
RSLogix "Nameplate" Data Entry Instructions (Y†, D) Elwood Motors Technical Document	TBD
"MotionView" Data Entry Instructions (Y†, M) Elwood Motors Technical Document	http://www.elwood.com/dk300_data.pdf
Installation Instructions – SX-Series with Resolver Feedback Rockwell Automation Literature Database	http://www.elwood.com/idSX_RA_Resolver.pdf
Installation Instructions – SX-Series with Stegmann Absolute Feedback Rockwell Automation Literature Database	http://www.elwood.com/idSX_RA_Stegmann.pdf
Installation Instructions – SX-Series with Incremental Encoder Feedback Rockwell Automation Literature Database	http://www.elwood.com/idSX_RA_Incremental.pdf
White Paper – SX-Series with Hiperface DSL Encoder Feedback Elwood Motors Installation Instructions	http://www.elwood.com/dSX-Series_DSL.pdf
Elwood SX-Series Web Page Additional information on Elwood Corporation – High Performance Motors	http://www.elwood.com/sx
Send Elwood Email: Information Request Send Questions or request additional information from Elwood Corporation	info@elwood.com
Elwood SX-Series Frequently Asked Questions General information on the SX-Series and answers to common questions.	http://www.elwood.com/dSX-Series_FAQ_Elwood.pdf