

E510 Compact Drive



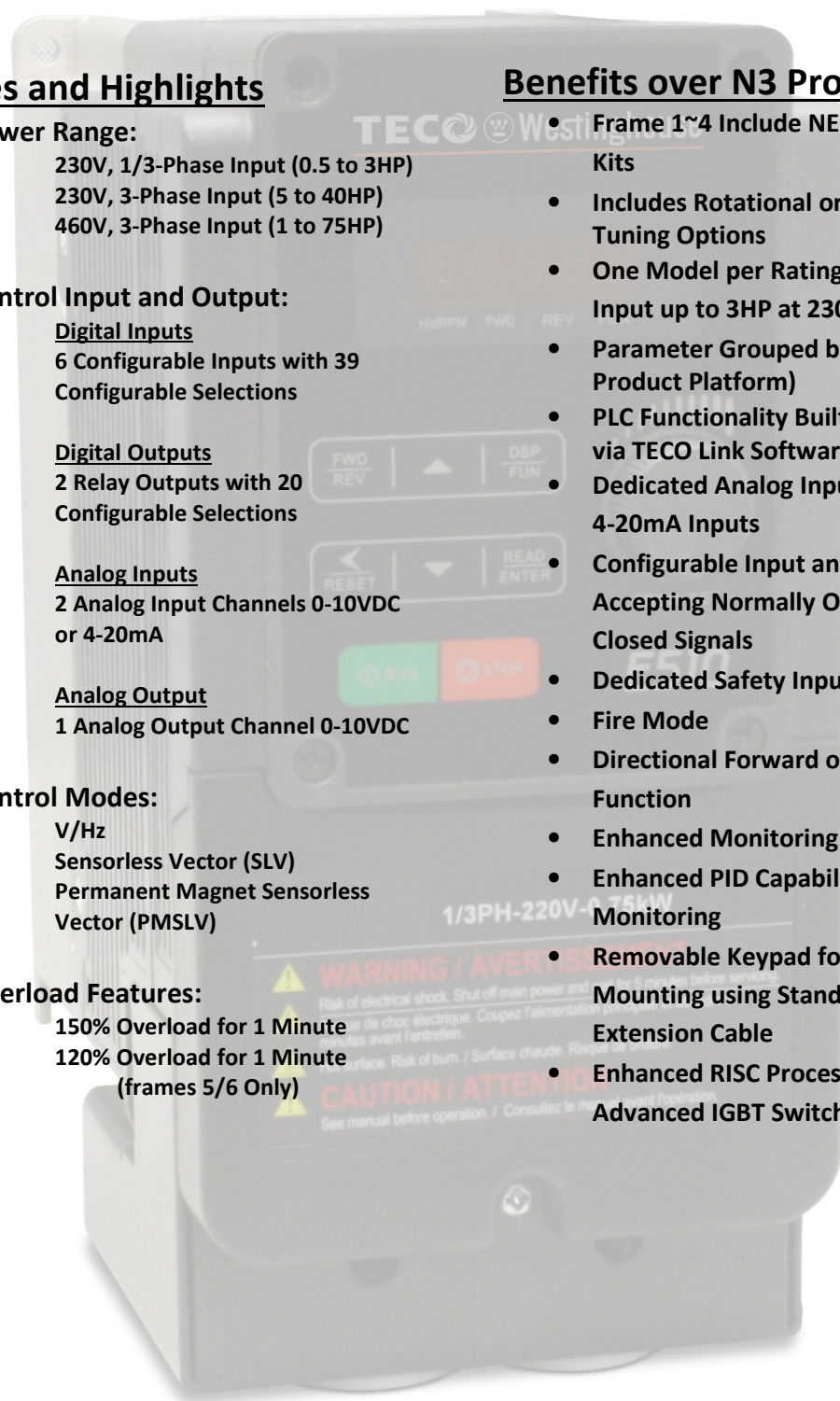
The **NEW** E510 Compact Drive is an easily configurable product convenient in size for retrofitting your motor driven application or simply replacing N3 Series product.

Features and Highlights

- **Power Range:**
 - 230V, 1/3-Phase Input (0.5 to 3HP)
 - 230V, 3-Phase Input (5 to 40HP)
 - 460V, 3-Phase Input (1 to 75HP)
- **Control Input and Output:**
 - Digital Inputs
6 Configurable Inputs with 39 Configurable Selections
 - Digital Outputs
2 Relay Outputs with 20 Configurable Selections
 - Analog Inputs
2 Analog Input Channels 0-10VDC or 4-20mA
 - Analog Output
1 Analog Output Channel 0-10VDC
- **Control Modes:**
 - V/Hz
 - Sensorless Vector (SLV)
 - Permanent Magnet Sensorless Vector (PMSLV)
- **Overload Features:**
 - 150% Overload for 1 Minute
 - 120% Overload for 1 Minute (frames 5/6 Only)

Benefits over N3 Product

- Frame 1~4 Include NEMA 1 Conduit Kits
- Includes Rotational or Static Auto Tuning Options
- One Model per Rating for 1/3 Phase Input up to 3HP at 230VAC
- Parameter Grouped by Functions (510 Product Platform)
- PLC Functionality Built-in (accessible via TECO Link Software)
- Dedicated Analog Inputs 0-10VDC and 4-20mA Inputs
- Configurable Input and Output by Accepting Normally Open or Normally Closed Signals
- Dedicated Safety Input Terminal
- Fire Mode
- Directional Forward or Reverse Jog Function
- Enhanced Monitoring Diagnostics
- Enhanced PID Capabilities and Monitoring
- Removable Keypad for Remote Mounting using Standard CAT5 Extension Cable
- Enhanced RISC Processor with Advanced IGBT Switching Technology



List Price Page

230VAC 1 / 3-Phase

Model No	Drive HP		Drive Output Amps		Dimensions (Inches)			Approx. Weight	Control LIST PRICE (\$)
	Constant Torque	Variable Torque	Constant Torque	Variable Torque	Height	Width	Depth		
E510-2P5-H-U	0.5	0.5	3.1	3.1	6.46	3.57	5.96	3.5	390.00
E510-201-H-U	1	1	4.5	4.5	6.46	3.57	5.96	3.5	415.00
E510-202-H-U	2	2	7.5	7.5	7.39	5.07	6.00	5.5	530.00
E510-203-H-U	3	3	10.5	10.5	7.39	5.07	6.00	5.5	670.00

230VAC 3-Phase

Model No	Drive HP		Drive Output Amps		Dimensions			Approx. Weight	Control LIST PRICE (\$)
	Constant Torque	Variable Torque	Constant Torque	Variable Torque	Height	Width	Depth		
E510-205-H3-U	5	5	17.5	17.5	7.39	5.07	6.00	5.5	680.00
E510-208-H3-U	7.5	7.5	26	26	10.27	7.36	7.98	14,3	950.00
E510-210-H3-U	10	10	35	35	10.27	7.36	7.98	14,3	1,100.00
E510-215-H3-U	15	15	48	48	12.66	8.84	8.11	22.3	1,751.00
E510-220-H3-U	20	20	64	64	12.66	8.84	8.11	22.9	1,945.00
E510-225-H3-U	25	25-30	73	80	14.17	10.43	9.38	22.1	2,528.00
E510-230-H3-U	30	40	85	110	20.67	11.28	10.62	66.1	3,524.00
E510-240-H3-U	40	50	115	138	20.67	11.28	10.62	66.1	4,751.00

460 VAC 3-Phase

Model No	Drive HP		Drive Output Amps		Dimensions			Approx. Weight	Control LIST PRICE (\$)
	Constant Torque	Variable Torque	Constant Torque	Variable Torque	Height	Width	Depth		
E510-401-H3-U	1	1	2.5	2.5	6.46	3.57	5.96	3.8	440.00
E510-402-H3-U	2	2	3.8	3.8	6.46	3.57	5.96	3.8	475.00
E510-403-H3-U	3	3	5.3	5.3	7.39	5.07	6.00	5.5	650.00
E510-405-H3-U	5	5	9.2	9.2	7.39	5.07	6.00	5.5	710.00
E510-408-H3-U	7.5	7.5	13	13	10.27	7.36	7.98	14,3	990.00
E510-410-H3-U	10	10	17.5	17.5	10.27	7.36	7.98	14,3	1,150.00
E510-415-H3-U	15	15	24	24	10.27	7.36	7.98	14,3	1,275.00
E510-420-H3-U	20	20	32	32	12.66	8.84	8.11	23.2	1,977.00
E510-425-H3-U	25	25	40	40	12.66	8.84	8.11	23.2	2,488.00
E510-430-H3-U	30	30-40	45	58	14.17	10.43	9.38	22.1	2,737.00
E510-440-H3-U	40	50	60	73	20.67	11.28	10.62	66.1	3,600.00
E510-450-H3-U	50	60	75	88	20.67	11.28	10.62	66.1	4,415.00
E510-460-H3-U	60	75	91	103	20.67	11.28	10.62	66.1	5,017.00
E510-475-H3-U	75	100	118	145	20.67	11.28	10.62	77.2	5,763.00

Product Cross Reference

HP	Current N3 Part Number	Current NEMA 1 Kits	New Cross Over Model
230VAC			
0.5	N3-2P5-CS-U	SNA301	E510-2P5-H-U
0.5	N3-2P5-C-U	SNA301	E510-2P5-H-U
1	N3-201-CS-U	SNA301	E510-201-H-U
1	N3-201-C-U	SNA301	E510-201-H-U
2	N3-202-CS-U	SNA302	E510-202-H-U
2	N3-202-C-U	SNA301	E510-202-H-U
3	N3-203-CS-U	SNA302	E510-203-H-U
3	N3-203-C-U	SNA302	E510-203-H-U
5	N3-205-C-U	SNA302	E510-205-H3-U
7.5	N3-207-C-U	SNA303	E510-208-H3-U
10	N3-210-C-U	SNA303	E510-210-H3-U
15	N3-215-N1-U		E510-215-H3-U
20	N3-220-N1-U		E510-220-H3-U
25	N3-225-N1-U		E510-225-H3-U
30	N3-230-N1-U		E510-230-H3-U
40	N3-240-N1-U		E510-240-H3-U
460VAC			
1	N3-401-C-U	SNA301	E510-401-H3-U
2	N3-402-C-U	SNA301	E510-402-H3-U
3	N3-403-C-U	SNA302	E510-403-H3-U
5	N3-405-C-U	SNA302	E510-405-H3-U
7.5	N3-407-C-U	SNA303	E510-408-H3-U
10	N3-410-C-U	SNA303	E510-410-H3-U
15	N3-415-C-U	SNA303	E510-415-H3-U
20	N3-420-N1-U		E510-420-H3-U
25	N3-425-N1-U		E510-425-H3-U
30	N3-430-N1-U		E510-430-H3-U
40	N3-440-N1-U		E510-440-H3-U
50	N3-450-N1-U		E510-450-H3-U
60	N3-460-N1-U		E510-460-H3-U
75	N3-475-N1-U		E510-475-H3-U

Competitor Series Reference:

Delta VFD-E
Fuji Mini
Toshiba VF-S15
Schneider Electric Altivar 312
LS iG5
AC Tech SMVector
Yaskawa V1000

Mitsubishi D700
Hitachi WJ200
ABB ACS310
Siemens Micromaster 420
Danfoss VLT FC280
WEG CFW08