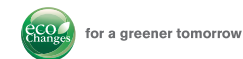


LVS Pairings

Model Number	Contactor		Circuit Breaker (UL489)	
	VFD (FR-E720)	No DCL	With DCL	With DCL
240 Volt				
-008SC-NA	S-T10	S-T10	NF50-SVFU3P5A	NF50-SVFU3P5A
-015SC-NA	S-T10	S-T10	NF50-SVFU3P5A	NF50-SVFU3P5A
-030SC-NA	S-T10	S-T10	NF50-SVFU3P5A	NF50-SVFU3P5A
-050SC-NA	S-T10	S-T10	NF50-SVFU3P10A	NF50-SVFU3P10A
-080SC-NA	S-T10	S-T10	NF50-SVFU3P15A	NF50-SVFU3P15A
-110SC-NA	S-T10	S-T10	NF50-SVFU3P20A	NF50-SVFU3P15A
-175SC-NA	S-T20,S-T21	S-T10	NF50-SVFU3P30A	NF50-SVFU3P30A
-240SC-NA	S-T25	S-T20,S-T21	NF50-SVFU3P50A	NF50-SVFU3P40A
-330SC-NA	S-T25	S-T25	NF100-SRU3P60A	NF100-SRU3P50A
-470SC-NA	S-N35	S-N35	NF100-SRU3P75A	NF100-SRU3P75A
-600SC-NA	S-N50	S-N50	NF125-SVU3P125A	NF100-SRU3P100A

Model Number	Contactor		Circuit Breaker (UL489)	
	VFD (FR-E740)	No DCL	With DCL	With DCL
480 Volt				
-016SC-NA	S-T10	S-T10	NF100-HRU3P5A	NF100-HRU3P5A
-026SC-NA	S-T10	S-T10	NF100-HRU3P5A	NF100-HRU3P5A
-040SC-NA	S-T10	S-T10	NF100-HRU3P10A	NF100-HRU3P10A
-060SC-NA	S-T10	S-T10	NF100-HRU3P15A	NF100-HRU3P10A
-095SC-NA	S-T10	S-T10	NF125-SVU3P20A	NF125-SVU3P15A
-120SC-NA	S-T20,S-T21	S-T12	NF125-SVU3P30A	NF125-SVU3P20A
-170SC-NA	S-T20,S-T21	S-T20,S-T21	NF125-SVU3P30A	NF125-SVU3P30A
-230SC-NA	S-T20,S-T21	S-T20,S-T21	NF125-SVU3P50A	NF125-SVU3P40A
-300SC-NA	S-T25	S-T20,S-T21	NF125-SVU3P60A	NF125-SVU3P50A



FR-E700 SERIES INVERTERS

Pocket Reference Guide



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FR-E500 - FR-E700 Conversion Chart

FR-E500 Model Number	FR-E700 Model Number
120 Volt Class	
FR-E510W-0.1K-NA	FR-E710W-008-NA
FR-E510W-0.2K-NA	FR-E710W-015-NA
FR-E510W-0.4K-NA	FR-E710W-030-NA
FR-E510W-0.75K-NA	FR-E710W-050-NA
240 Volt Class	
FR-E520-0.1K-NA	FR-E720-008SC-NA
FR-E520-0.2K-NA	FR-E720-015SC-NA
FR-E520-0.4K-NA	FR-E720-030SC-NA
FR-E520-0.75K-NA	FR-E720-050SC-NA
FR-E520-1.5K-NA	FR-E720-080SC-NA
FR-E520-2.2K-NA	FR-E720-110SC-NA
FR-E520-3.7K-NA	FR-E720-175SC-NA
FR-E520-5.5K-NA	FR-E720-240SC-NA
FR-E520-7.5K-NA	FR-E720-330SC-NA
Dedicated CC-Link® Network Drive	
FR-E520-□□KN	FR-E720-□□□-NA + FR-A7NC E KIT SC
Dedicated DeviceNet™ Network Drive	
FR-E520-□□KND	FR-E720-□□□-NA + FR-A7ND E KIT SC
480 Volt Class	
FR-E540-0.4K-NA	FR-E740-016SC-NA
FR-E540-0.75K-NA	FR-E740-026SC-NA
FR-E540-1.5K-NA	FR-E740-040SC-NA
FR-E540-2.2K-NA	FR-E740-060SC-NA
FR-E540-3.7K-NA	FR-E740-095SC-NA
FR-E540-5.5K-NA	FR-E740-120SC-NA
FR-E540-7.5K-NA	FR-E740-170SC-NA

Notes:

- Option card kits include plug-in option card and new FR-E700 top cover
- FR-E520 includes a pulse train output (FM), FR-E720 has a 0-10V analog output (AM)
- FR-E700 Series utilizes same mounting holes as FR-E500 Series

120V Selection Chart

Model Number	Output Amps	HP	Frame Size
FR-E710W-008-NA	0.8	1/8	A
FR-E710W-015-NA	1.5	1/4	C
FR-E710W-030-NA	3	1/2	D
FR-E710W-050-NA	5	1	G

240V 1-Phase Input Selection Chart

Model Number	Output Amps	HP	Frame Size
FR-E720S-008-NA	0.8	1/8	A
FR-E720S-015-NA	1.5	1/4	A
FR-E720S-030-NA	3	1/2	H
FR-E720S-050-NA	5	1	J
FR-E720S-080-NA	8	2	L
FR-E720S-110-NA	11	3	Q

240V Selection Chart

Model Number	Output Amps	HP	Frame Size
FR-E720-008SC-NA	0.8	1/8	B
FR-E720-015SC-NA	1.5	1/4	B
FR-E720-030SC-NA	3	1/2	E
FR-E720-050SC-NA	5	1	F
FR-E720-080SC-NA	8	2	K
FR-E720-110SC-NA	11	3	K
FR-E720-175SC-NA	17.5	5	M
FR-E720-240SC-NA	24	7 1/2	S
FR-E720-330SC-NA	33	10	S
FR-E720-470SC-NA	47	15	T
FR-E720-600SC-NA	60	20	T

480V Selection Chart

Model Number	Output Amps	HP	Frame Size
FR-E740-016SC-NA	1.6	1/2	N
FR-E740-026SC-NA	2.6	1	N
FR-E740-040SC-NA	4	2	P
FR-E740-060SC-NA	6	3	P
FR-E740-095SC-NA	9.5	5	P
FR-E740-120SC-NA	12	7 1/2	R
FR-E740-170SC-NA	17	10	R
FR-E740-230SC-NA	23	15	T
FR-E740-300SC-NA	30	20	T

Dimensions – 120V, 240V and 480V Class

Frame Size	Dimensions – inches (mm)			Weight Lbs (kg)
	Height	Width	Depth	
A	5.0 (128)	2.7 (68)	3.2 (80.5)	1.1 (0.5)
B	5.0 (128)	2.7 (68)	3.4 (87)	1.1 (0.5)
C	5.0 (128)	2.7 (68)	4.4 (110.5)	1.3 (0.6)
D	5.0 (128)	2.7 (68)	4.5 (112.5)	2 (0.9)
E	5.0 (128)	2.7 (68)	4.7 (120)	1.6 (0.7)
F	5.0 (128)	2.7 (68)	5.5 (139)	2.2 (1.0)
G	5.0 (128)	6.7 (170)	6.1 (155)	7.5 (3.4)
H	5.0 (128)	2.7 (68)	6.2 (157.6)	1.3 (0.6)
J	5.0 (128)	4.3 (108)	5.4 (135.5)	2.2 (1.0)
K	5.0 (128)	4.3 (108)	5.6 (142)	3.1 (1.4)
L	5.0 (128)	4.3 (108)	6.4 (161)	3.1 (1.4)
M	5.0 (128)	6.7 (170)	5.9 (149)	3.8 (1.7)
N	5.0 (128)	5.5 (140)	4.7 (120)	3.1 (1.4)
P	5.9 (150)	5.5 (140)	5.6 (142)	4.2 (1.9)
Q	5.9 (150)	5.5 (140)	6.2 (155.5)	4.2 (1.9)
R	5.9 (150)	8.7 (220)	6.0 (153)	7.1 (3.2)
S	10.3 (260)	7.1 (180)	6.9 (171)	9.5 (4.3)
T	10.3 (260)	8.7 (220)	7.7 (196)	19.9 (9)

FR-E700 Options

Plug-In Options	
Model Number	Description
FR-A7NC E KIT SC	CC-Link® Network Option
FR-A7ND E KIT SC	DeviceNet™ Network Option
FR-A7NP E KIT SC	PROFIBUS® DP Network Option
FR-A7NL E KIT SC	LONWORKS® Network Option
FR-A7AX E KIT SC	Additional 16-bit Digital Input
FR-A7AY E KIT SC	Additional Analog & Digital Output
FR-A7AR E KIT SC	Additional Relay Output
FR-E7TR	Multidrop for Serial Communication
External Options	
Model Number	Description
FR-PU07	Alpha-Numeric Multi-language Keypad
FR-PU07BB-L	Battery powered Alpha-Numeric Multi-language Keypad
FR-CB20□	Keypad Extension Cable
SC-FRPC	Serial Communications Cable
FR-ABR-□□K	External Brake Resistor
FR-RJ45-HUB4	Serial Network Hub - 2 Stations
FR-RJ45-HUB10	Serial Network Hub - 8 Stations
FR-RJ45-TR	Terminating Resistor For FR-RJ45-HUB

Notes: Option card kits include plug-in option card and new FR-E700 top cover.

□ = 1, 3 or 5 meter length cable, □□ = kW

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