

**Enclosed Non-Reversing Combination Controller, AC Operation - Type 1/12K/IP66 ⑥⑦**

Amp / Horsepower Rating				Non-Metallic Type 1/12K/IP66 Enclosure (KS7-C0C4R)						
				Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④
Three Phase										
200V	230V	460V	575V	KTA7-25S Standard Interrupting Capacity						
~	~	~	~	0.10...0.16	2.1	1	CX7-9-10- <b>*</b> -AS0.16A-A10-PG▼	551	Q4	
~	~	~	~	0.16...0.25	3.3	2	CX7-9-10- <b>*</b> -AS0.25A-A10-PG▼	551	Q4	
~	~	~	~	0.25...0.40	5.2	3	CX7-9-10- <b>*</b> -AS0.4A-A10-PG▼	551	Q4	
~	~	~	~	0.40...0.63	8.2	4	CX7-9-10- <b>*</b> -AS0.63A-A10-PG▼	578	Q4	
~	~	~	1/2	0.63...1.0	13	5	CX7-9-10- <b>*</b> -AS1.0A-A10-PG▼	578	Q4	
~	~	1/2	3/4	1.0...1.6	21	6	CX7-9-10- <b>*</b> -AS1.6A-A10-PG▼	578	Q4	
1/2	1/2	1	1-1/2	1.6...2.5	33	7	CX7-9-10- <b>*</b> -AS2.5A-A10-PG▼	578	Q4	
3/4	3/4	2	3	2.5...4	52	8	CX7-9-10- <b>*</b> -AS4.0A-A10-PG▼	578	Q4	
1	1-1/2	3	~	4...6.3	82	9	CX7-9-10- <b>*</b> -AS6.3A-A10-PG▼	578	Q4	
2	3	5	~	6.3...10	130	11	CX7-12-10- <b>*</b> -AS10A-A10-PG▼	620	Q4	
3	~	10	~	10...16	208	12	CX7-16-10- <b>*</b> -AS16A-A10-PG▼	632	Q4	
5	5	~	~	14.5...20	260	15	CX7-23-10- <b>*</b> -AS20A-A10-PG▼	695	Q4	
				KTA7-25H High Interrupting Capacity						
1/2	1/2	1	1-1/2	1.6...2.5	33	17	CX7-9-10- <b>*</b> -AH2.5A-A10-PG▼	639	Q4	
3/4	3/4	2	3	2.5...4	52	19	CX7-9-10- <b>*</b> -AH4.0A-A10-PG▼	639	Q4	
1	1-1/2	3	5	4...6.3	82	22	CX7-9-10- <b>*</b> -AH6.3A-A10-PG▼	639	Q4	
2	3	5	7-1/2	6.3...10	130	24	CX7-12-10- <b>*</b> -AH10A-A10-PG▼	697	Q4	
3	~	10	10	10...16	208	28	CX7-16-10- <b>*</b> -AH16A-A10-PG▼	729	Q4	
5	5	~	~	14.5...20	260	31	CX7-23-10- <b>*</b> -AH20A-A10-PG▼	755	Q4	
~	7-1/2	15	~	18...25	325	33	CX7-23-10- <b>*</b> -AH25A-A10-PG▼	755	Q4	



**Includes:**

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ⑧
- Power wiring
- Factory installed Pilot device option ⑨

*Replace ▼ with option code.  
See page F99 for  
factory installed modifications*

**Contactor**

**AC Coil Codes (\*) ④**

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200V-220V	208V-240V
240	220V	240V
480	440V	480V
600	550V	600V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- ① Horsepower ratings shown in the table above are for reference. The final selection of the manual starter depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4.0A.
- ② Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- ③ CX7 may be applied to single phase loads. Contact factory for these specifications.
- ④ Other voltages available, see Section A in this catalog. Non-standard coil voltages not listed here must be ordered and installed separately as renewal parts.
- ⑤ KAIC Assembly Rating Index. See pages F71-F73 for Application Rating Guide.

- ⑥ One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX\_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- ⑦ CPT not possible with KS7-C0C4R. Refer to page F116 for wiring diagram and F117dimensional information.
- ⑧ A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CX7-9-10-**\***-AS0.16A-A10-PG▼ to CX7-9-10-**\***-AS0.16A-A10-PJ▼.

#### Enclosed Non-Reversing Combination Controller, Electronic DC Operation - Type 1/12K/IP66 ④⑥⑦

Amp / Horsepower Rating				Non-Metallic Type 1/12K/IP66 Enclosure (KS7-COC4R)						
				Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④
Three Phase										
200V	230V	460V	575V							
<b>KTA7-25S Standard Interrupting Capacity</b>										
~	~	~	~	0.10...0.16	2.1	1	CX7-9E-10- <b>*</b> -AS0.16A-A10-PG▼	601	Q4	
~	~	~	~	0.16...0.25	3.3	2	CX7-9E-10- <b>*</b> -AS0.25A-A10-PG▼	601	Q4	
~	~	~	~	0.25...0.40	5.2	3	CX7-9E-10- <b>*</b> -AS0.4A-A10-PG▼	628	Q4	
~	~	~	~	0.40...0.63	8.2	4	CX7-9E-10- <b>*</b> -AS0.63A-A10-PG▼	628	Q4	
~	~	~	1/2	0.63...1.0	13	5	CX7-9E-10- <b>*</b> -AS1.0A-A10-PG▼	628	Q4	
~	~	1/2	3/4	1.0...1.6	21	6	CX7-9E-10- <b>*</b> -AS1.6A-A10-PG▼	628	Q4	
1/2	1/2	1	1-1/2	1.6...2.5	33	7	CX7-9E-10- <b>*</b> -AS2.5A-A10-PG▼	628	Q4	
3/4	3/4	2	3	2.5...4	52	8	CX7-9E-10- <b>*</b> -AS4.0A-A10-PG▼	628	Q4	
1	1-1/2	3	~	4...6.3	82	9	CX7-9E-10- <b>*</b> -AS6.3A-A10-PG▼	628	Q4	
2	3	5	~	6.3...10	130	11	CX7-12E-10- <b>*</b> -AS10A-A10-PG▼	670	Q4	
3	~	10	~	10...16	208	12	CX7-16E-10- <b>*</b> -AS16A-A10-PG▼	682	Q4	
5	5	~	~	14.5...20	260	15	CX7-23E-10- <b>*</b> -AS20A-A10-PG▼	745	Q4	
<b>KTA7-25H High Interrupting Capacity</b>										
1/2	1/2	1	1-1/2	1.6...2.5	33	17	CX7-9E-10- <b>*</b> -AH2.5A-A10-PG▼	689	Q4	
3/4	3/4	2	3	2.5...4	52	19	CX7-9E-10- <b>*</b> -AH4.0A-A10-PG▼	689	Q4	
1	1-1/2	3	5	4...6.3	82	22	CX7-9E-10- <b>*</b> -AH6.3A-A10-PG▼	689	Q4	
2	3	5	7-1/2	6.3...10	130	24	CX7-12E-10- <b>*</b> -AH10A-A10-PG▼	745	Q4	
3	~	10	10	10...16	208	28	CX7-16E-10- <b>*</b> -AH16A-A10-PG▼	779	Q4	
5	5	~	~	14.5...20	260	31	CX7-23E-10- <b>*</b> -AH20A-A10-PG▼	805	Q4	
~	7-1/2	15	~	18...25	325	33	CX7-23E-10- <b>*</b> -AH25A-A10-PG▼	805	Q4	



#### Includes:

- Type 1/12K Non-metallic enclosure (KS7-COC4R)
- KTA7 "Type E/F" Self-protected Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactors (for remote operation), with Electronic DC Coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB) + KT7-KN1 ⑥
- Power wiring
- Factory installed Pilot device option ⑧

**Replace ▼ with option code.**  
See page F99 for factory installed modifications

#### Contactor Electronic DC Coil Codes (\*) ④


DC Coil Codes	Voltage
12E	12V
24E	24V
48E	48-72V
110E	110-125V
220E	220-250V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- ① Horsepower ratings shown in the table above are for reference. The final selection of the manual starter depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4.0A.
- ② Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- ③ CX7 may be applied to single phase loads. Contact factory for these specifications.
- ④ CX7-9E...23E with electronic coils are not interchangeable with non-electronic DC or AC coils.
- ⑤ KAIC Assembly Rating Index. See pages F71-F73 for Application Rating Guide.

- ⑥ One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX\_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- ⑦ CPT not possible with KS7-COC4R. Refer to page F116 for wiring diagram and F117dimensional information.
- ⑧ A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CX7-9-10-**\***-AS0.16A-A10-PG▼ to CX7-9-10-**\***-AS0.16A-A10-PJ▼.

**Enclosed Non-Reversing Combination Controller with E-Stop, AC Operation - Type 1/12K/IP66 ①⑦⑧**

Amp / Horsepower Rating				Non-Metallic Type 1/12K/IP66 Enclosure (KS7-COC4R)					
									
Max. Horsepower ②③④				O/L Relay Ampere Range	Magnetic Response Current	Index ⑤	Catalog Number ⑥⑦⑧	Price	Dimension Code
Three Phase									
200V	230V	460V	575V						
<b>KTA7-25S Standard Interrupting Capacity</b>									
~	~	~	~	0.10...0.16	2.1	1	<b>CX7-9-10-*-AS0.16A-A10-PG4U-E</b>	<b>645</b>	Q4
~	~	~	~	0.16...0.25	3.3	2	<b>CX7-9-10-*-AS0.25A-A10-PG4U-E</b>	<b>645</b>	Q4
~	~	~	~	0.25...0.40	5.2	3	<b>CX7-9-10-*-AS0.4A-A10-PG4U-E</b>	<b>645</b>	Q4
~	~	~	~	0.40...0.63	8.2	4	<b>CX7-9-10-*-AS0.63A-A10-PG4U-E</b>	<b>645</b>	Q4
~	~	~	1/2	0.63...1.0	13	5	<b>CX7-9-10-*-AS1.0A-A10-PG4U-E</b>	<b>645</b>	Q4
~	~	1/2	3/4	1.0...1.6	21	6	<b>CX7-9-10-*-AS1.6A-A10-PG4U-E</b>	<b>645</b>	Q4
1/2	1/2	1	1-1/2	1.6...2.5	33	7	<b>CX7-9-10-*-AS2.5A-A10-PG4U-E</b>	<b>645</b>	Q4
3/4	3/4	2	3	2.5...4	52	8	<b>CX7-9-10-*-AS4.0A-A10-PG4U-E</b>	<b>645</b>	Q4
1	1-1/2	3	~	4...6.3	82	9	<b>CX7-9-10-*-AS6.3A-A10-PG4U-E</b>	<b>645</b>	Q4
2	3	5	~	6.3...10	130	11	<b>CX7-12-10-*-AS10A-A10-PG4U-E</b>	<b>714</b>	Q4
3	~	10	~	10...16	208	12	<b>CX7-16-10-*-AS16A-A10-PG4U-E</b>	<b>726</b>	Q4
5	5	~	~	14.5...20	260	15	<b>CX7-23-10-*-AS20A-A10-PG4U-E</b>	<b>789</b>	Q4
<b>KTA7-25H High Interrupting Capacity</b>									
1/2	1/2	1	1-1/2	1.6...2.5	33	17	<b>CX7-9-10-*-AH2.5A-A10-PG4U-E</b>	<b>733</b>	Q4
3/4	3/4	2	3	2.5...4	52	19	<b>CX7-9-10-*-AH4.0A-A10-PG4U-E</b>	<b>733</b>	Q4
1	1-1/2	3	5	4...6.3	82	22	<b>CX7-9-10-*-AH6.3A-A10-PG4U-E</b>	<b>733</b>	Q4
2	3	5	7-1/2	6.3...10	130	24	<b>CX7-12-10-*-AH10A-A10-PG4U-E</b>	<b>794</b>	Q4
3	~	10	10	10...16	208	28	<b>CX7-16-10-*-AH16A-A10-PG4U-E</b>	<b>823</b>	Q4
5	5	~	~	14.5...20	260	31	<b>CX7-23-10-*-AH20A-A10-PG4U-E</b>	<b>849</b>	Q4
~	7-1/2	15	~	18...25	325	33	<b>CX7-23-10-*-AH25A-A10-PG4U-E</b>	<b>849</b>	Q4

**Includes:**

- Type 1/12K Non-metallic enclosure (KS7-COC4R) ①
- KTA7 "Type E/F" Self-protected Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Multifunction 2-position Push Button and Emergency Stop ⑦
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ⑧
- Power wiring

**This is a factory assembly.**  
Optional factory modifications are not available on this device.

**Contactor AC Coil Codes (\*) ⑤**

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
<b>24Z</b>	24V	24V
<b>120</b>	110V	120V
<b>220W</b>	200V-220V	208V-240V
<b>240</b>	220V	240V
<b>480</b>	440V	480V
<b>600</b>	550V	600V

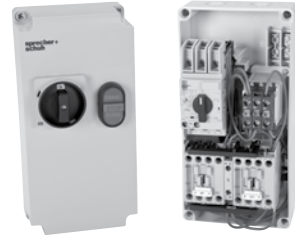
KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- ① This is a factory assembly. The KS7-COC4R does not include knock-outs for field assembly of this starter.
- ② Horsepower ratings shown in the table above are for reference. **The final selection of the manual starter depends on the actual motor full load current and service factor.** For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4.0A.
- ③ Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- ④ CX7 may be applied to single phase loads. Contact factory for these specifications.
- ⑤ Other voltages available, see Section A in this catalog. *Non-standard coil voltages not listed here must be ordered and installed separately as renewal parts.*
- ⑥ KAIC Assembly Rating Index. See pages F71-F73 for Application Rating Guide.
- ⑦ Uses D7P-U2EFFEPX11 Two-Position Multifunction push button with legend I/O and D7P-MT44PX01 Emergency Stop Push Button.

- ⑧ CPT not possible with KS7-COC4R. Refer page F117 for dimensional information.
- ⑨ A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: CX7-9-10-\*-AS0.16A-A10-PG4U-E becomes CX7-9-10-\*-AS0.16A-A10-PJ4U-E.

**Enclosed Reversing Combination Controller, AC Operation - Type 1/12K/IP66 ⑥⑦**

Amp / Horsepower Rating				Non-Metallic Type 1/12K/IP66 Enclosure (KS7-COC4R)						
				Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④
Three Phase										
200V	230V	460V	575V	KTA7-25S Standard Interrupting Capacity						
~	~	~	~	0.10...0.16	2.1	1	CXU7-9-22-*AS0.16A-A10-PG▼	854	Q4	
~	~	~	~	0.16...0.25	3.3	2	CXU7-9-22-*AS0.25A-A10-PG▼	854	Q4	
~	~	~	~	0.25...0.40	5.2	3	CXU7-9-22-*AS0.4A-A10-PG▼	854	Q4	
~	~	~	~	0.40...0.63	8.2	4	CXU7-9-22-*AS0.63A-A10-PG▼	881	Q4	
~	~	~	1/2	0.63...1.0	13	5	CXU7-9-22-*AS1.0A-A10-PG▼	881	Q4	
~	~	1/2	3/4	1.0...1.6	21	6	CXU7-9-22-*AS1.6A-A10-PG▼	881	Q4	
1/2	1/2	1	1-1/2	1.6...2.5	33	7	CXU7-9-22-*AS2.5A-A10-PG▼	881	Q4	
3/4	3/4	2	3	2.5...4	52	8	CXU7-9-22-*AS4.0A-A10-PG▼	881	Q4	
1	1-1/2	3	~	4...6.3	82	9	CXU7-9-22-*AS6.3A-A10-PG▼	881	Q4	
2	3	5	~	6.3...10	130	11	CXU7-12-22-*AS10A-A10-PG▼	956	Q4	
3	~	10	~	10...16	208	12	CXU7-16-22-*AS16A-A10-PG▼	994	Q4	
5	5	~	~	14.5...20	260	15	CXU7-23-22-*AS20A-A10-PG▼	1020	Q4	
KTA7-25H High Interrupting Capacity										
1/2	1/2	1	1-1/2	1.6...2.5	33	17	CXU7-9-22-*AH2.5A-A10-PG▼	942	Q4	
3/4	3/4	2	3	2.5...4	52	19	CXU7-9-22-*AH4.0A-A10-PG▼	942	Q4	
1	1-1/2	3	5	4...6.3	82	22	CXU7-9-22-*AH6.3A-A10-PG▼	942	Q4	
2	3	5	7-1/2	6.3...10	130	24	CXU7-12-22-*AH10A-A10-PG▼	1033	Q4	
3	~	10	10	10...16	208	28	CXU7-16-22-*AH16A-A10-PG▼	1065	Q4	
5	5	~	~	14.5...20	260	31	CXU7-23-22-*AH20A-A10-PG▼	1091	Q4	
~	7-1/2	15	~	18...25	325	33	CXU7-23-22-*AH25A-A10-PG▼	1091	Q4	



**Includes:**

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- KTA7 "Type E/F" Self-protected Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactor (for remote operation), AC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ⑧
- Power wiring
- Factory installed Pilot device option ⑨

**Replace ▼ with option code.**  
See page F99 for factory installed modifications

**Contactor**

**AC Coil Codes (\*) ④**

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200V-220V	208V-240V
240	220V	240V
480	440V	480V
600	550V	600V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

- ① Horsepower ratings shown in the table above are for reference. **The final selection of the manual starter depends on the actual motor full load current and service factor.** For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4.0A.
- ② Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- ③ CXU7 may be applied to single phase loads. Contact factory for specifications.
- ④ Other voltages available, see Section A in this catalog. *Non-standard coil voltages not listed here must be ordered and installed separately as renewal parts.*
- ⑤ KAIC Assembly Rating Index. See pages F71-F73 for Application Rating Guide.

- ⑥ One Pilot Device option must be selected. Plastic Bezel is standard. Pilot Device options include D7-BX\_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.
- ⑦ CPT not possible with KS7-COC4R. Refer to page F116 for wiring diagram and F117 dimensional information.
- ⑧ A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CXU7-9-10-\*AS0.16A-A10-PG▼ to CXU7-9-10-\*AS0.16A-A10-PJ▼.

#### Enclosed Reversing Combination Controller, Electronic DC Operation - Type 1/12K/IP66 ④⑥⑦

Amp / Horsepower Rating				Non-Metallic Type 1/12K/IP66 Enclosure (KS7-C0C4R)						
Max. Horsepower ①②⑥				O/L Relay Ampere Range	Magnetic Response Current	Index ③	Catalog Number ④⑤⑥	Price	Dimension Code	
Three Phase										
200V	230V	460V	575V	KTA7-25S Standard Interrupting Capacity						
~	~	~	~	0.10...0.16	2.1	1	CXU7-9E-22-*AS0.16A-A10-PG▼	954	Q4	
~	~	~	~	0.16...0.25	3.3	2	CXU7-9E-22-*AS0.25A-A10-PG▼	954	Q4	
~	~	~	~	0.25...0.40	5.2	3	CXU7-9E-22-*AS0.4A-A10-PG▼	981	Q4	
~	~	~	~	0.40...0.63	8.2	4	CXU7-9E-22-*AS0.63A-A10-PG▼	981	Q4	
~	~	~	1/2	0.63...1.0	13	5	CXU7-9E-22-*AS1.0A-A10-PG▼	981	Q4	
~	~	1/2	3/4	1.0...1.6	21	6	CXU7-9E-22-*AS1.6A-A10-PG▼	981	Q4	
1/2	1/2	1	1-1/2	1.6...2.5	33	7	CXU7-9E-22-*AS2.5A-A10-PG▼	981	Q4	
3/4	3/4	2	3	2.5...4	52	8	CXU7-9E-22-*AS4.0A-A10-PG▼	981	Q4	
1	1-1/2	3	~	4...6.3	82	9	CXU7-9E-22-*AS6.3A-A10-PG▼	981	Q4	
2	3	5	~	6.3...10	130	11	CXU7-12E-22-*AS10A-A10-PG▼	1056	Q4	
3	~	10	~	10...16	208	12	CXU7-16E-22-*AS16A-A10-PG▼	1094	Q4	
5	5	~	~	14.5...20	260	15	CXU7-23E-22-*AS20A-A10-PG▼	1020	Q4	
KTA7-25H High Interrupting Capacity										
1/2	1/2	1	1-1/2	1.6...2.5	33	17	CXU7-9E-22-*AH2.5A-A10-PG▼	1042	Q4	
3/4	3/4	2	3	2.5...4	52	19	CXU7-9E-22-*AH4.0A-A10-PG▼	1042	Q4	
1	1-1/2	3	5	4...6.3	82	22	CXU7-9E-22-*AH6.3A-A10-PG▼	1042	Q4	
2	3	5	7-1/2	6.3...10	130	24	CXU7-12E-22-*AH10A-A10-PG▼	1133	Q4	
3	~	10	10	10...16	208	28	CXU7-16E-22-*AH16A-A10-PG▼	1165	Q4	
5	5	~	~	14.5...20	260	31	CXU7-23E-22-*AH20A-A10-PG▼	1191	Q4	
~	7-1/2	15	~	18...25	325	33	CXU7-23E-22-*AH25A-A10-PG▼	1191	Q4	

#### Includes:

- Type 1/12K Non-metallic enclosure (KS7-C0C4R)
- KTA7 "Type E/F" Self-protected Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1)
- CA7 contactors (for remote operation), with Electronic DC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ⑥
- Power wiring
- Factory installed Pilot device option ⑦

Replace ▼ with option code.

See page F99 for factory installed modifications

#### Contactor Electronic DC Coil Codes (\*) ④

DC Coil Codes	Voltage
12E	12V
24E	24V
48E	48-72V
110E	110-125V
220E	220-250V

KWIKstarter coils are wired standard from the factory to terminals "L1" and "L2" (for line voltage control). This means the coil voltage must match the line voltage. When a coil is specified for 120V or less, it will be wired for a separate control source (not wired to L1 and L2).

① Horsepower ratings shown in the table above are for reference. The final selection of the manual starter depends on the actual motor full load current and service factor. For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with the appropriate current range. Example: Motor FLC = 4.2A; S.F. = 1.0. 4.2A x 0.9 = 3.78A. Select catalog number KTA7-25S-4.0A.

② Magnetic trip is fixed at 13x the maximum value of the current adjustment range.

③ CXU7 may be applied to single phase loads. Contact factory for these specifications.

④ CXU7-9E...23E with electronic coils are not interchangeable with non-electronic DC or AC coils.

⑤ KAIC Assembly Rating Index. See pages F71-F73 for Application Rating Guide.

⑥ One Pilot Device option must be selected. Blanks are not available. Plastic Bezel is standard. Pilot Device options include D7-BX\_ Base Mounted contact blocks. Pilot Light option must match coil voltage 24V AC or DC, 120V AC or 240V AC only. See Section H for more information.

⑦ CPT not possible with KS7-C0C4R. Refer to page F116 for wiring diagram and F117dimensional information.

⑧ A red and yellow handle may be selected instead of the standard gray and black handle. Change "PG" suffix to "PJ". Ex: Change CXU7-9-10-\*AS0.16A-A10-PG▼ to CXU7-9-10-\*AS0.16A-A10-PJ▼.

**CX7 Non-Reversing Controller Modifications**

<b>Pilot Device Options - required</b>		
Select only one option only ①②③	Replace ▼ in catalog number with	Price Adder
START-STOP Multi-function	3U	Standard
I-O Multi-function	4U	Standard
OFF-ON 2-Position Selector switch	6	Standard
HAND-OFF-AUTO 3-Position Selector switch	7	Standard
Run Pilot Light Green	1G	Standard
Run Pilot Light Red	1R	Standard
Overload Alarm Pilot Light	1Y	Standard
D7-N8 22mm Hole Plug	0	Standard
<b>Additional KT7 Auxiliaries &amp; Trip Contacts - Front Mount</b>		
Addition	Change "-A10" to...	Price Adder
1 NO + 1 NC Auxiliary	-A11	55
2 NO Auxiliaries	-A20	55
1 NO SC+OL + 1 NC Auxiliary	-T10A01	79
1 NO SC+OL + 1 NO Auxiliary	-T10A10	79

**CX7 Non-Reversing Controller Additions**

Addition	Add to end of catalog number	Price Adder
<b>CA7 Contactor Accessories</b>		
Electronic Interface ④	-JE	+94
Surge Suppressor RD	-C	+54
Surge Suppressor Varistor	-V	+54
<b>CA7 Auxiliary Contacts ⑤</b>		
1 NO Auxiliary	-S10	45
1 NC Auxiliary	-S01	45
1 NO + 1 NC Auxiliary	-S11	57
2 NO Auxiliaries	-S20	57
2 NC Auxiliaries	-S02	57
<b>Alternate Aux. Contact Arrangement (CA7 only)</b>		
1 NC in lieu of standard 1 NO	-SX10	17
2 NC in lieu of standard 2 NO (on CXU7 only)	-SX2	17
<b>Unwired Terminal Blocks</b> Specify quantity (▼)	-▼TB	22

**CXU7 Reversing Controller Modifications**

<b>Pilot Device Options - required</b>		
Select only one option only ①②③	Replace ▼ in catalog number with	Price Adder
FOR-STOP-REV Multi-function	3U	Standard
UP-STOP-DOWN Multi-function	4U	Standard
OPEN-STOP-CLOSE Multi-function	5U	Standard
FOR-STOP-REV 3-Position Selector switch	6	Standard
UP-OFF-DOWN 3-Position Selector switch	7	Standard
OPEN-OFF-CLOSE 3-Position Selector switch	8	Standard
Overload Alarm Pilot Light	1Y	Standard
D7-N8 22mm Hole Plug	0	Standard
<b>Additional KT7 Auxiliaries &amp; Trip Contacts - Front Mount</b>		
Addition	Change "-A10" to...	Price Adder
1 NO + 1 NC Auxiliary	-A11	55
2 NO Auxiliaries	-A20	55
1 NO SC+OL + 1 NC Auxiliary	-T10A01	79
1 NO SC+OL + 1 NO Auxiliary	-T10A10	79


**CXU7 Reversing Controller Additions**

Addition	Add to end of catalog number	Price Adder
<b>CA7 Contactor Accessories</b>		
Electronic Interface ④	-JE	+188
Surge Suppressor RC	-C	+108
Surge Suppressor Varistor	-V	+108




① KS7-COC4R only has (1) 22mm hole to accommodate (1) pilot device.  
 ② Currently supply D7 multi-function pushbuttons as standard which do not require protective boots to meet Type 4X.  
 See Section H in this catalog for description (all suffix's ending in "U").

③ Pilot Lights may be applied with 24VAC/VDC, 120VAC or 240VAC Control Circuit. Pilot Lights with 380 VAC...575VAC require a control circuit transformer.  
 ④ CR17E-24 will be used. CR17E-12 by special order only.  
 ⑤ See page A47 for limitations on adding auxiliaries to Electronic DC Coil contactors.





### CX7 KWIKstarter Enclosures for use with KTA7 Type E Motor Controllers and CA7 Contactors ①③

Component	Description	For Use With		Environmental Approvals	Catalog Number	Price
		Type E Controller	Contactors			
	<b>Enclosure for Combo KWIKstarter ①</b> CX7/CXU7-9...23 CX7/CXU7-9E...23E	KTA7-25S KTA7-25H	CA7-9...23 CA7-9E...23E CAU7-9...23 CAU7-9E...23E	cUL Type 1/12K IEC IP66	<b>KS7-COC4R</b>	<b>110</b>

### Handle Accessory for CX7/CXU7 KWIKstarters ①

Accessory	Description	For Use With	Color	Catalog Number	Price
	<b>Door Coupling Handle ①</b> • Padlockable • NEMA Type 1/12K and IP66 • Includes handle coupling (shaft) • Requires KT7-KN1 Locking Knob	All KT7s	Gray/Black	<b>KT7-SHB</b>	<b>20</b>
	<b>Lockable Twist Knob</b> • for use with KT7-SHB	All KT7s	Gray/Black	<b>KT7-KN1</b>	<b>See page F16</b>
	<b>Universal Connector for CX7/CXU7</b> • Provides electrical interconnection of KTA7 and CA7 (with AC or Electronic DC coil) • Applies to FVNR and FVR versions	All KT7s	Black	<b>KT7-25S-PEC23A ④</b>	<b>38</b>

### CX7 KWIKstarter Pilot Device Kits (for use with KS7-COC4R Type 1/12K) ①②

Kits	Description	Contact Blocks included		Catalog Number	Price
		NO	NC		
	<b>Multi-Function Pushbutton kit</b> Non-illuminated <b>START-STOP</b> I-0	1	1	<b>KS7-P3U</b> <b>KS7-P4U</b>	<b>See page C24</b>
	<b>FOR-STOP-REV</b> <b>UP-STOP-DOWN</b> <b>OPEN-STOP-CLOSE</b>	2	1	<b>KS7-P3U-REV</b> <b>KS7-P4U-REV</b> <b>KS7-P5U-REV</b>	
	<b>Selector switch kits</b> Non-illuminated, includes legend plate				<b>See page C24</b>
	<b>ON-OFF 2-Position</b>	1	0	<b>KS7-P6</b>	
	<b>HAND-OFF-AUTO 3-Position</b>	2	0	<b>KS7-P7</b>	
	<b>Run Pilot Light or Overload Alarm Pilot Light</b> Plastic operator with diffuser lens in Red, Green or Yellow, with integrated LED power module			<b>KS7-P1 ⑤24V ⑥</b> <b>KS7-P1 ⑤120V</b> <b>KS7-P1 ⑤240V</b>	<b>See page C24</b>
			Replace ⑤ with color choice R = Red G = Green Y = Yellow		
	<b>Hole Plug</b> used to plug 22.5mm holes.			<b>D7-N8</b>	<b>See page H71</b>

① KS7-COC4R is supplied with the following holes:

- (1) one 22mm hole for a Pilot Device option, select one kit from this page.
- (1) one 22mm hole for KT7-SHB (or SHRY) Disconnect or Reset handle.

③ CPT not possible.

② Plastic bezel is standard. Pilot Device Kits include D7-BX\_ Base Mounted contact blocks. See Section H for more information.

④ Standard KT7-25S-PEC23 does not work in CX7/CXU7 Kwikstarters.

⑥ KS7-P1 ⑤24V can be used with 24VAC or 24VDC.