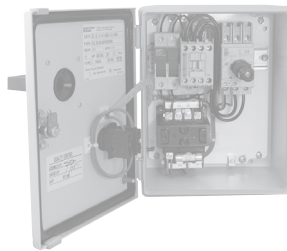


Enclosed Non-Reversing Combination Controller, AC Operation - Type 4 / 12

Amp / Horsepower Rating					Painted Steel, Type 4 / 12 Enclosure			Dimension Code
Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④	Catalog Number ⑤⑦	
Three Phase								
200V	230V	460V	575V					
KTA7-25S Standard Interrupting Capacity								
~	~	~	~	0.10...0.16	2.1	1	CX7-9-10-*-AS0.16A-A10-WG	W6
~	~	~	~	0.16...0.25	3.3	2	CX7-9-10-*-AS0.25A-A10-WG	W6
~	~	~	~	0.25...0.40	5.2	3	CX7-9-10-*-AS0.4A-A10-WG	W6
~	~	~	~	0.40...0.63	8.2	4	CX7-9-10-*-AS0.63A-A10-WG	W6
~	~	1/2	3/4	0.63...1.0	13	5	CX7-9-10-*-AS1A-A10-WG	W6
~	~	1	1	1.0...1.6	21	6	CX7-9-10-*-AS1.6A-A10-WG	W6
1/2	3/4	1-1/2	2	1.6...2.5	33	7	CX7-9-10-*-AS2.5A-A10-WG	W6
1	1	3	3	2.5...4	52	8	CX7-9-10-*-AS4A-A10-WG	W6
1-1/2	2	5	~	4...6.3	82	9	CX7-9-10-*-AS6.3A-A10-WG	W6
3	3	7-1/2	~	6.3...10	130	12	CX7-12-10-*-AS10A-A10-WG	W6
5	5	10	~	10...16	208	16	CX7-16-10-*-AS16A-A10-WG	W6
5	7-1/2	15	~	14.5...20	260	15	CX7-23-10-*-AS20A-A10-WG	W6
KTA7-4H High Interrupting Capacity								
1/2	3/4	1-1/2	2	1.6...2.5	33	17	CX7-9-10-*-AH2.5A-A10-WG	W6
1	1	3	3	2.5...4	52	19	CX7-9-10-*-AH4A-A10-WG	W6
1/1/2	2	5	5	4...6.3	82	22	CX7-9-10-*-AH6.3A-A10-WG	W6
3	3	7-1/2	10	6.3...10	130	24	CX7-12-10-*-AH10A-A10-WG	W6
5	5	10	15	10...16	208	28	CX7-16-10-*-AH16A-A10-WG	W6
5	7-1/2	15	~	14.5...20	260	31	CX7-23-10-*-AH20A-A10-WG	W6
5	7-1/2	15	~	18...25	325	33	CX7-23-10-*-AH25A-A10-WG	W6
KTA7-45H High Interrupting Capacity								
3	3	7-1/2	10	6.3...10	130	36	CX7-30-10-*-AH10A-A10-WG	W7
5	5	10	15	10...16	208	37	CX7-30-10-*-AH16A-A10-WG	W7
5	7-1/2	15	20	14.5...20	260	38	CX7-30-10-*-AH20A-A10-WG	W7
7-1/2	10	20	20	18...25	325	39	CX7-30-10-*-AH25A-A10-WG	W7
7-1/2	10	20	25	23...32	416	41	CX7-30-10-*-AH32A-A10-WG	W7
10	10	25	~	32...45	585	45	CX7-37-10-*-AH45A-A10-WG	W7
10	15	30	~	32...45	585	46	CX7-43-10-*-AH45A-A10-WG	W7

Painted Steel, Type 4 / 12 Enclosure



Includes:

- Type 4 / 12 enclosure - watertight, dusttight
- KTA7 "Type E/F" Self-protected Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1 or KT7-45-TE)
- CA7 contactor (for remote operation), AC coil
- Power wiring
- Gray and black Type 4/4X/12; IP66 handle (Cat.# KT7-HTN) ④
- Pilot device shown is factory installed option

See page F109 for factory installed modifications

Contactor AC Coil Codes (*) ⑤

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200-220V	208-240V
277	240V	277V
415 ⑦	400-415V	~
480 ⑦	440V	480V
600 ⑦	550V	600V

① Horsepower ratings shown in the table above are for reference. The final selection of the controller 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-4A.

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

③ CX7 may be applied to single phase loads. See footnote 1 for device selection criteria. To order single phase unit, change "CX7" in catalog number to "CBX7". Three pole series connection will be provided. Ex: Change CX7-9-10-*-0.16A-A10-WG to CBX7-9-10-*-0.16A-A10-WJ.

④ A red and yellow handle may be selected instead of the standard gray and black handle. Change "WG" suffix to "WJ". Ex: Change CX7-9-10-*-0.16A-A10-WG to CX7-9-10-*-0.16A-A10-WJ.

⑤ Other voltages available, see Section A in this catalog.

⑥ KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.

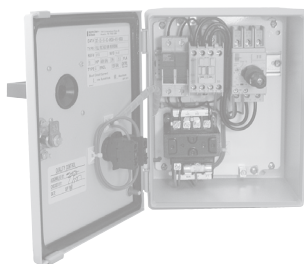
⑦ Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.

F

Enclosed Motor Circuit Controllers

Enclosed Non-Reversing Combination Controller, Electronic DC Coil - Type 4 / 12

Amp / Horsepower Rating					Painted Steel, Type 4 / 12 Enclosure				
Max. Horsepower ①②③				O/L Relay Ampere Range	Mag-netic Re-sponse Current	Index ⑦	Catalog Number ④	Dimension Code	
Three Phase									
200V	230V	460V	575V						
KTA7-25S Standard Interrupting Capacity									
~	~	~	~	0.10...0.16	2.1	1	CX7-9E-10- * -AS0.16A-A10-WG	W6	
~	~	~	~	0.16...0.25	3.3	2	CX7-9E-10- * -AS0.25A-A10-WG	W6	
~	~	~	~	0.25...0.40	5.2	3	CX7-9E-10- * -AS0.4A-A10-WG	W6	
~	~	~	~	0.40...0.63	8.2	4	CX7-9E-10- * -AS0.63A-A10-WG	W6	
~	~	1/2	3/4	0.63...1.0	13	5	CX7-9E-10- * -AS1A-A10-WG	W6	
~	~	1	1	1.0...1.6	21	6	CX7-9E-10- * -AS1.6A-A10-WG	W6	
1/2	3/4	1-1/2	2	1.6...2.5	33	7	CX7-9E-10- * -AS2.5A-A10-WG	W6	
1	1	3	3	2.5...4	52	8	CX7-9E-10- * -AS4A-A10-WG	W6	
1-1/2	2	5	~	4...6.3	82	9	CX7-9E-10- * -AS6.3A-A10-WG	W6	
3	3	7-1/2	~	6.3...10	130	11	CX7-12E-10- * -AS10A-A10-WG	W6	
5	5	10	~	10...16	208	12	CX7-16E-10- * -AS16A-A10-WG	W6	
5	7-1/2	15	~	14.5...20	260	15	CX7-23E-10- * -AS20A-A10-WG	W6	
KTA7-25H High Interrupting Capacity									
1/2	3/4	1-1/2	2	1.6...2.5	33	17	CX7-9E-10- * -AH2.5A-A10-WG	W6	
1	1	3	3	2.5...4	52	19	CX7-9E-10- * -AH4A-A10-WG	W6	
1-1/2	2	5	5	4...6.3	82	22	CX7-9E-10- * -AH6.3A-A10-WG	W6	
3	3	7-1/2	10	6.3...10	130	24	CX7-12E-10- * -AH10A-A10-WG	W6	
5	5	10	15	10...16	208	28	CX7-16E-10- * -AH16A-A10-WG	W6	
5	7-1/2	15	~	14.5...20	260	31	CX7-23E-10- * -AH20A-A10-WG	W6	
5	7-1/2	15	~	18...25	325	33	CX7-23E-10- * -AH25A-A10-WG	W6	
KTA7-45H High Interrupting Capacity									
3	3	7-1/2	10	6.3...10	130	36	CX7-30E-10- * -AH10A-A10-WG	W7	
5	5	10	15	10...16	208	37	CX7-30E-10- * -AH16A-A10-WG	W7	
5	7-1/2	15	20	14.5...20	260	38	CX7-30E-10- * -AH20A-A10-WG	W7	
7-1/2	10	20	20	18...25	325	39	CX7-30E-10- * -AH25A-A10-WG	W7	
7-1/2	10	20	25	23...32	416	41	CX7-37E-10- * -AH32A-A10-WG	W7	
10	10	25	~	32...45	585	45	CX7-37E-10- * -AH45A-A10-WG	W7	
10	15	30	~	32...45	585	46	CX7-43E-10- * -AH45A-A10-WG	W7	



Includes:

- Type 4 / 12 enclosure - watertight, dusttight
- KT7 "Type E/F" Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1 or KT7-45-TE)
- CA7 contactor (for remote operation), Electronic DC coil
- Power wiring
- Gray and black Type 4/4X/12; IP66 handle (Cat.# KT7-HTN) ④
- Pilot device shown is factory installed option

See page F109 for factory installed modifications

Section Obsolete

Contactor Electronic DC Coil Codes (*) ⑤

DC Coil Codes	Voltage
12E	12V
24E	24V
36E	36-48V
48E	48-72V
110E	110-125V
220E	220-250V

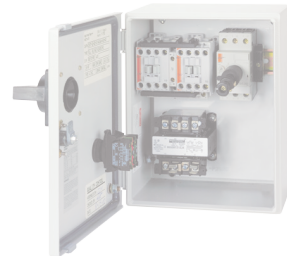
- ① Horsepower ratings shown in the table above are for reference. *The final selection of the controller depends on the actual motor full load current and service factor.*
 - For motor with service factor less than 1.15. Use motor nameplate full load current times 0.9 and choose the motor starter with 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-4A.
- 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 A red and yellow handle may be selected instead of the standard gray and black handle. Change "WG" suffix to "WJ". Ex: Change CX7-9E-10-*****-0.16A-A10-**WG** to CX7-9E-10-*****-0.16A-A10-**WJ**.
- ⑤ CX7-9E...43E with electronic coils are not interchangeable with non-electronic DC or AC coils.
- ⑦ KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See Coil Code tables on this page for codes
Select modifications if required	

Enclosed Reversing Combination Controller, AC Operation - Type 4 / 12

Amp / Horsepower Rating					Painted Steel, Type 4 / 12 Enclosure			Dimension Code	
Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④	Catalog Number ⑤⑦		
Three Phase									
200V	230V	460V	575V						
KTA7-25S Standard Interrupting Capacity									
~	~	~	~	0.10...0.16	2.1	1	CXU7-9-22-*-AS0.16A-A10-WG	W6	
~	~	~	~	0.16...0.25	3.3	2	CXU7-9-22-*-AS0.25A-A10-WG	W6	
~	~	~	~	0.25...0.40	5.2	3	CXU7-9-22-*-AS0.4A-A10-WG	W6	
~	~	~	~	0.40...0.63	8.2	4	CXU7-9-22-*-AS0.63A-A10-WG	W6	
~	~	1/2	3/4	0.63...1.0	13	5	CXU7-9-22-*-AS1A-A10-WG	W6	
~	~	1	1	1.0...1.6	21	6	CXU7-9-22-*-AS1.6A-A10-WG	W6	
1/2	3/4	1-1/2	2	1.6...2.5	33	7	CXU7-9-22-*-AS2.5A-A10-WG	W6	
1	1	3	3	2.5...4	52	8	CXU7-9-22-*-AS4A-A10-WG	W6	
1-1/2	2	5	~	4...6.3	82	9	CXU7-9-22-*-AS6.3A-A10-WG	W6	
3	3	7-1/2	~	6.3...10	130	12	CXU7-12-22-*-AS10A-A10-WG	W6	
5	5	10	~	10...16	208	28	CXU7-16-22-*-AS16A-A10-WG	W6	
5	7-1/2	15	~	14.5...20	260	31	CXU7-23-22-*-AS20A-A10-WG	W6	
KTA7-25S High Interrupting Capacity									
1/2	3/4	1-1/2	2	1.6...2.5	33	17	CXU7-9-22-*-AH2.5A-A10-WG	W6	
1	1	3	3	2.5...4	52	19	CXU7-9-22-*-AH4A-A10-WG	W6	
1/1/2	2	5	5	4...6.3	82	22	CXU7-9-22-*-AH6.3A-A10-WG	W6	
3	3	7-1/2	10	6.3...10	130	24	CXU7-12-22-*-AH10A-A10-WG	W6	
5	5	10	15	10...16	208	28	CXU7-16-22-*-AH16A-A10-WG	W6	
5	7-1/2	15	~	14.5...20	260	31	CXU7-23-22-*-AH20A-A10-WG	W6	
5	7-1/2	15	~	18...25	325	33	CXU7-23-22-*-AH25A-A10-WG	W6	
KTA7-45H High Interrupting Capacity									
3	3	7-1/2	10	6.3...10	130	36	CXU7-30-22-*-AH10A-A10-WG	W7	
5	5	10	15	10...16	208	37	CXU7-30-22-*-AH16A-A10-WG	W7	
5	7-1/2	15	20	14.5...20	260	38	CXU7-30-22-*-AH20A-A10-WG	W7	
7-1/2	10	20	20	18...25	325	39	CXU7-30-22-*-AH25A-A10-WG	W7	
7-1/2	10	20	25	23...32	416	41	CXU7-37-22-*-AH32A-A10-WG	W7	
10	10	25	~	32...45	585	45	CXU7-37-22-*-AH45A-A10-WG	W7	
10	15	30	~	32...45	585	46	CXU7-43-22-*-AH45A-A10-WG	W7	



Includes:

- Type 4 / 12 enclosure - watertight, dusttight
- KT7 "Type E/F" Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE1 or KT7-45-TE)
- CA7 contactors (for remote operation), AC coil
- Power wiring
- Gray and black Type 4/4X/12; IP66 handle (Cat.# KT7-HTN) ④
- Control power transformer, pilot device, terminals and other equipment shown are factory installed options

See page F109 for factory installed modifications

Section Obsolete

Contactor AC Coil Codes (*) ⑤

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200-220V	208-240V
277	240V	277V
415 ⑦	400-415V	~
480 ⑦	440V	480V
600 ⑦	550V	600V

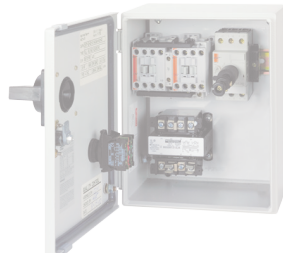
① Horsepower ratings shown in the table above are for reference. The final selection of the controller depends on the actual motor full load current and service factor.

- 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-4A.
- 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 applications.
- ④ A red and yellow handle may be selected instead of the standard gray and black handle. Change "WG" suffix to "WJ". Ex: Change CXU7-9-10-*-0.16A-A10-WG

- to CXU7-9-10-*-0.16A-A10-WJ.
- ⑤ Other voltages available, see Section A in this catalog.
- ⑥ KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.
- ⑦ Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.

Enclosed Reversing Combination Controller, Electronic DC Coil - Type 4 / 12

Amp / Horsepower Rating					Painted Steel, Type 4 / 12 Enclosure			Dimension Code
Max. Horsepower ①②③				O/L Relay Ampere Range	Magnetic Response Current	Index ④	Catalog Number ⑤	
Three Phase								
200V	230V	460V	575V					
KTA7-25S Standard Interrupting Capacity								
~	~	~	~	0.10...0.16	2.1	1	CXU7-9E-22-*AS0.16A-A10-WG	W6
~	~	~	~	0.16...0.25	3.3	2	CXU7-9E-22-*AS0.25A-A10-WG	W6
~	~	~	~	0.25...0.40	5.2	3	CXU7-9E-22-*AS0.4A-A10-WG	W6
~	~	~	~	0.40...0.63	8.2	4	CXU7-9E-22-*AS0.63A-A10-WG	W6
~	~	1/2	3/4	0.63...1.0	13	5	CXU7-9E-22-*AS1A-A10-WG	W6
~	~	1	1	1.0...1.6	21	6	CXU7-9E-22-*AS1.6A-A10-WG	W6
1/2	3/4	1-1/2	2	1.6...2.5	33	7	CXU7-9E-22-*AS2.5A-A10-WG	W6
1	1	3	3	2.5...4	52	8	CXU7-9E-22-*AS3A-A10-WG	W6
1-1/2	2	5	~	4...6.3	82	9	CXU7-9E-22-*AS6.3A-A10-WG	W6
3	3	7-1/2	~	6.3...10	130	11	CXU7-12E-22-*AS10A-A10-WG	W6
5	5	10	~	10...16	208	12	CXU7-16E-22-*AS16A-A10-WG	W6
5	7-1/2	15	~	14.5...20	260	15	CXU7-23E-22-*AS20A-A10-WG	W6
KTA7-25H High Interrupting Capacity								
1/2	3/4	1-1/2	2	1.6...2.5	33	17	CXU7-9E-22-*AH2.5A-A10-WG	W6
1	1	3	3	2.5...4	52	19	CXU7-9E-22-*AH4A-A10-WG	W6
1/1/2	2	5	5	4...6.3	82	22	CXU7-9E-22-*AH6.3A-A10-WG	W6
3	3	7-1/2	10	6.3...10	130	24	CXU7-12E-22-*AH10A-A10-WG	W6
5	5	10	15	10...16	208	28	CXU7-16E-22-*AH16A-A10-WG	W6
5	7-1/2	15	~	14.5...20	260	31	CXU7-23E-22-*AH20A-A10-WG	W6
5	7-1/2	15	~	18...25	325	33	CXU7-23E-22-*AH25A-A10-WG	W6
KTA7-45H High Interrupting Capacity								
3	3	7-1/2	10	6.3...10	130	36	CXU7-30E-22-*AH10A-A10-WG	W7
5	5	10	15	10...16	208	37	CXU7-30E-22-*AH16A-A10-WG	W7
5	7-1/2	15	20	14.5...20	260	38	CXU7-30E-22-*AH20A-A10-WG	W7
7-1/2	10	20	20	18...25	325	39	CXU7-30E-22-*AH25A-A10-WG	W7
7-1/2	10	20	25	23...32	416	41	CXU7-37E-22-*AH32A-A10-WG	W7
10	10	25	~	32...45	585	45	CXU7-37E-22-*AH45A-A10-WG	W7
10	15	30	~	32...45	585	46	CXU7-43E-22-*AH45A-A10-WG	W7



Includes:

- Type 4 / 12 enclosure - watertight, dusttight
- KT7 "Type E/F" Combination Motor Controller with 1 NO front mount Auxiliary Contact (Cat #: KT7-PE1-10)
- Terminal Adaptor for Type E Applications (Cat.# KT7-25-TE or KT7-45-TE)
- CA7 contactors (for remote operation), Electronic DC coil
- Power wiring
- Gray and black Type 4/4X/12; IP66 handle (Cat.# KT7-HTN) ④
- Control power transformer, pilot device, terminals and other equipment shown are factory installed options

See page F109 for factory installed modifications

Contactor Electronic DC Coil Codes (*) ⑤

DC Coil Codes	Voltage
12E	12V
24E	24V
36E	36-48V
48E	48-72V
110E	110-125V
220E	220-250V

- ① Horsepower ratings shown in the table above are for reference. The final selection of the controller 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-4A.
- 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 applications.
- ④ A red and yellow handle may be selected instead of the standard gray and black handle. Change "WG" suffix to "WJ". Ex: Change CXU7-9E-10-*0.16A-A10-WG to CXU7-9E-10-*0.16A-A10-WJ.
- ⑤ CXU7-9E...43E with electronic coils are not interchangeable with non-electronic DC or AC coils.
- ⑥ KAIC Assembly Rating Index. See pages F73-F76 for Application Rating Guide.

Ordering Instructions

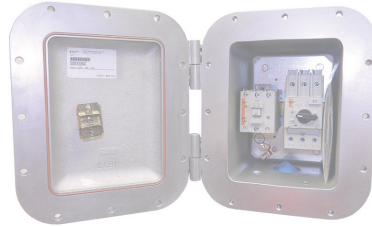
Specify Catalog Number	
Replace (I) with Coil Code	See Coil Code tables on this page for codes
Select modifications if required	

Enclosed Motor Circuit Controllers

F

CX7 Explosion Proof Combination Controllers - NEMA Type 4/4X/7/9 with Type 4 Gaskets

Amp / Horsepower Rating					O/L Relay Ampere Range	Magnetic Response Current	Catalog Number ⑤	Dimension Code
Max. Horsepower ①②③								
Three Phase				200V	230V	460V	575V	
~	~	~	~					
~	~	~	~	0.16...0.25	3.3	CX7-9-10-**-AS0.25A-A10-EZ	EZ	
~	~	~	~	0.25...0.40	5.2	CX7-9-10-**-AS0.4A-A10-EZ	EZ	
~	~	~	~	0.40...0.63	8.2	CX7-9-10-**-AS0.63A-A10-EZ	EZ	
~	~	1/2	3/4	0.63...1.0	13	CX7-9-10-**-AS1A-A10-EZ	EZ	
~	~	1	1	1.0...1.6	21	CX7-9-10-**-AS1.6A-A10-EZ	EZ	
1/2	3/4	1-1/2	2	1.6...2.5	33	CX7-9-10-**-AS2.5A-A10-EZ	EZ	
1	1	3	3	2.5...4	52	CX7-9-10-**-AS4A-A10-EZ	EZ	
1-1/2	2	5	~	4...6.3	82	CX7-9-10-**-AS6.3A-A10-EZ	EZ	
3	3	7-1/2	~	6.3...10	130	CX7-12-10-**-AS10A-A10-EZ	EZ	
5	5	10	~	10...16	208	CX7-16-10-**-AS16A-A10-EZ	EZ	
5	7-1/2	15	~	14.5...20	260	CX7-23-10-**-AS20A-A10-EZ	EZ	
KTA7-25S Standard Interrupting Capacity								
KTA7-25H High Interrupting Capacity								
1/2	3/4	1-1/2	2	1.6...2.5	33	CX7-9-10-**-AH2.5A-A10-EZ	EZ	
1	1	3	3	2.5...4	52	CX7-9-10-**-AH4A-A10-EZ	EZ	
1-1/2	2	5	5	4...6.3	82	CX7-9-10-**-AH6.3A-A10-EZ	EZ	
3	3	7-1/2	10	6.3...10	130	CX7-12-10-**-AH10A-A10-EZ	EZ	
5	5	10	15	10...16	208	CX7-16-10-**-AH16A-A10-EZ	EZ	
5	7-1/2	15	~	14.5...20	260	CX7-23-10-**-AH20A-A10-EZ	EZ	
5	7-1/2	15	~	18...25	325	CX7-23-10-**-AH25A-A10-EZ	EZ	
KTA7-45H High Interrupting Capacity								
3	3	7-1/2	10	6.3...10	130	CX7-30-10-**-AH10A-A10-EZ	EZ	
5	5	10	15	10...16	208	CX7-30-10-**-AH16A-A10-EZ	EZ	
5	7-1/2	15	20	14.5...20	260	CX7-30-10-**-AH20A-A10-EZ	EZ	
7-1/2	10	20	20	18...25	325	CX7-30-10-**-AH25A-A10-EZ	EZ	
7-1/2	10	20	25	23...32	416	CX7-30-10-**-AH32A-A10-EZ	EZ	
10	10	25	~	32...45	585	CX7-37-10-**-AH45A-A10-EZ	EZ	
10	15	30	~	32...45	585	CX7-43-10-**-AH45A-A10-EZ	EZ	



Includes:

- Class I, Div I, Group B, C & D – Class II, Div I, Group E, F & G enclosure Class III, Zone I, IIB & H2
- KT7 “Type E” Self-protected Combination Manual Motor Controller with 1 NO front mount auxiliary contact (Cat.# KT7-PE1-10)
- Terminal Adaptor for Combo Type E/F Applications (Cat.# KT7-25-TE or KT7-45-TE)
- CA7 contactor (for remote operation), AC coil
- Power wiring

Modifications (Factory Assembled)

KT7 Auxiliaries & Trip Contacts,	Change “A10” in Cat. # to...
Front Mount 300V max.	
1 NC Auxiliary	-A01
1 NO + 1 NC Auxiliary	-A11
2 NC Auxiliaries	-A20
1 NO SC+OL + 1 NC Auxiliary	-T10A01
1 NO SC+OL + 1 NO Auxiliary	-T10A10
Side Mount 600V max.	
2 NO Auxiliaries	-AS20
1 NO + 1 NC Auxiliary	-AS11
1 NC SC+OL + 1 NO Auxiliary	-R10
1 NC SC+OL + 1 NC Auxiliary	-R11
CA7 Contactor Accessories	Add Suffix to Cat. Number
1 NC Auxiliary	-S01
1 NO Auxiliary	-S10
Electronic Interface	-JE
Surge Suppressor RC	-R
Surge Suppressor Varistor	-V
Enclosure Modifications	
Dual START/STOP pushbutton	3
ON/OFF selector switch	6
H-O-A	7
Breather/Drain	-BD

Contactor AC Coil Codes (*) ④

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
24Z	24V	24V
120	110V	120V
220W	200-220V	208-240V
277	240V	277V
415 ⑤	400-415V	~
480 ⑤	440V	480V
600 ⑤	550V	600V

- ① Horsepower ratings shown in the table above are for reference. The final selection of the controller 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-4A.
- ② Magnetic trip is fixed at 13x the maximum value of the current adjustment range.
- ③ CX7 may be applied to single phase loads. See footnote 1 for device selection criteria. To order single phase unit, change “CX7” in catalog number to “CBX7”. Three pole series connection will be provided. Ex: Change CX7-9-10-**-0.16A-A10-EZ to CBX7-9-10-**-0.16A-A10-EZ.
- ④ Other voltages available, see Section A in this catalog.
- ⑤ Catalog number (-A10) includes front-mounted auxiliary KT7-PE1-10 with 300 VAC maximum control circuit matching line voltage, or provided from separate source, used to de-energize contactor coil under fault condition (auxiliary not available for customer use). For control circuits greater than 300 VAC, which is common with line voltage, the auxiliary will not be wired into the control circuit since the contactor coil will be de-energized when KTA7 is tripped due to overload or short circuit; therefore, the KT7-PE1-10 auxiliary is available for customer use.

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See tables on this page for codes
Select modifications if required	

F Enclosed Motor Circuit Controllers

Section Obsolete