

Enclosed Non-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	Catalog Number ⑤⑥⑦⑧	Price	Dimension Code
							Three Phase									
200V	230V	460V	575V	KTA7-25S Standard Interrupting Capacity												
~	~	~	~	0.10...0.16	2.1	1	CX7-9-10-*AS0.16A-A10-PG▼	507	Q4							
~	~	~	~	0.16...0.25	3.3	2	CX7-9-10-*AS0.25A-A10-PG▼	507	Q4							
~	~	~	~	0.25...0.40	5.2	3	CX7-9-10-*AS0.4A-A10-PG▼	507	Q4							
~	~	~	~	0.40...0.63	8.2	4	CX7-9-10-*AS0.63A-A10-PG▼	532	Q4							
~	~	1/2	3/4	0.63...1.0	13	5	CX7-9-10-*AS1A-A10-PG▼	532	Q4							
~	~	1	1	1.0...1.6	21	6	CX7-9-10-*AS1.6A-A10-PG▼	532	Q4							
1/2	3/4	1-1/2	2	1.6...2.5	33	7	CX7-9-10-*AS2.5A-A10-PG▼	532	Q4							
1	1	3	3	2.5...4	52	8	CX7-9-10-*AS4A-A10-PG▼	532	Q4							
1-1/2	2	5	~	4...6.3	82	9	CX7-9-10-*AS6.3A-A10-PG▼	588	Q4							
3	3	7-1/2	~	6.3...10	130	11	CX7-12-10-*AS10A-A10-PG▼	571	Q4							
5	5	10	~	10...16	208	12	CX7-16-10-*AS16A-A10-PG▼	582	Q4							
5	7-1/2	15	~	14.5...20	260	15	CX7-23-10-*AS20A-A10-PG▼	640	Q4							
				KTA7-25H High Interrupting Capacity												
1/2	3/4	1-1/2	2	1.6...2.5	33	17	CX7-9-10-*AH2.5A-A10-PG▼	588	Q4							
1	1	3	3	2.5...4	52	19	CX7-9-10-*AH4A-A10-PG▼	588	Q4							
1-1/2	2	5	5	4...6.3	82	22	CX7-9-10-*AH6.3A-A10-PG▼	588	Q4							
3	3	7-1/2	10	6.3...10	130	24	CX7-12-10-*AH10A-A10-PG▼	642	Q4							
5	5	10	15	10...16	208	28	CX7-16-10-*AH16A-A10-PG▼	671	Q4							
5	7-1/2	15	~	14.5...20	260	31	CX7-23-10-*AH20A-A10-PG▼	695	Q4							
5	7-1/2	15	~	18...25	325	33	CX7-23-10-*AH25A-A10-PG▼	695	Q4							



Includes:

- Type 1/12K Non-metallic enclosure (KS7-COC4R)
- 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)
- CA7 contactor (for remote operation), AC coil
- Gray and black Type 1/12K; IP66 handle (KT7-SHB + KT7-KN1) ③
- Power wiring
- Factory installed Pilot device option ⑥

Replace ▼ with option code.
See page F103 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 ⑤	440V	480V
600 ⑥	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 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 Other voltages available, see Section A in this catalog.
- ⑤ KAIC Assembly Rating Index. See pages F73-F76 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 F118 for wiring diagram and F119 for 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 CX7-9-10-*AS0.16A-A10-PG▼ to CX7-9-10-*AS0.16A-A10-PJ▼.
- ⑨ 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 Motor Circuit Controllers