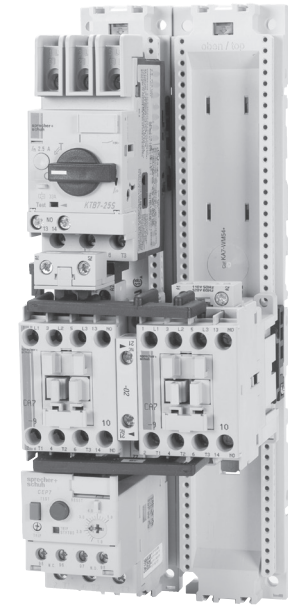


Reversing 3-Component Ecombo Starters ②③④

Rated Oper. Current [A] ⑥	Overload Adj. Range [A]	Magnetic Trip [A]	Typical Three Phase [HP]				Catalog Number ①③⑥
			200V	230V	460V	575V	
KTB9-40H – High Interrupting Capacity (14 x In)							
0.63	1.0...5.0	8.8	~	~	~	~	CLUE-709*22-DA63B-FCB
1.0	1.0...5.0	14	~	~	1/2	1/2	CLUE-709*22-DB10B-FCB
1.6	1.0...5.0	22	~	~	3/4	3/4	CLUE-709*22-DB16B-FCB
2.5	1.0...5.0	35	1/2	1/2	1	1-1/2	CLUE-709*22-DB25B-FCB
4.0	1.0...5.0	52	3/4	3/4	2	3	CLUE-723*22-DB40B-FCB
6.3	3.2...16	88	1	1-1/2	3	5	CLUE-723*22-DB63B-FDB
10	3.2...16	130	2	2	5	7-1/2	CLUE-730*22-DC10B-FED
16	5.4...27	208	3	3	7-1/2	10	CLUE-730*22-DC16B-FED
20	5.4...27	280	5	5	10	~	CLUE-730*22-DC20B-FED
25	5.4...27	325	5	7-1/2	15	~	CLUE-730*22-DC25B-FFD
29	11...55	406	7-1/2	10	20	~	CLUE-730*22-DC29B-FFD
32	11...55	448	7-1/2	10	20	~	CLUE-737*10-DC32B-FFD
36	11...55	432	10	10	25	~	CLUE-737*22-DC36B-FFD
40	11...55	480	10	10	30	~	CLUE-737*22-DC40B-FFD
KTB7-45H – High Interrupting Capacity (13 x In)							
25	5.4...27	325	5	7-1/2	15	20	CLUE-730*22-FC25B-FED
32	11...55	416	7-1/2	10	20	25	CLUE-730*22-FC32B-FFD
32	11...55	416	7-1/2	10	20	25	CLUE-737*22-FC32B-FFD
45	11...55	585	10	10	25	30	CLUE-737*22-FC45B-FFD
45	11...55	585	10	15	30	~	CLUE-743*22-FC45B-FFD



Includes:

- KTB9 Motor Controller
- CAU7 Reversing Contactor (AC)
- CEP7 Solid State Overload Relay
- KT9 Connectors
- Terminal Adaptor for Type E Applications
- Mounting Modules for 40H or 45H Frame Units as required from page F17
- See page F72 for Factory Options

Coil Codes (*)

AC Coil Code	Voltage Range	
	50 Hz	60 Hz
024Z	24V	24V
0120	110V	120V
220W	200-220V	208-240V
230Z	230V	230V
0277	240V	277V
0415	400-415V	~
0480 ⑥	440V	480V
0600 ⑥	550V	600V

- ① Other voltages available, see Section A in this catalog.
- ② All CLUE are supplied with Auxiliary Contacts for customer use as follows:
 CLUE-709...723 (1) NO Internal Mount
 CLUE-730...737 (1) NO Side Mount
 CLUE-743 (1) NO & (1) NC Front Mount
 CM7-02 interlock (2) NC (Electrical Interlocks)
 All KTB9s are supplied with (1) NO auxiliary contact (A10), which should be used in series with the NC contact on the overload (95-96).
- ③ All CAU7 reversing contactors are supplied with CM7-02, including (2) NC contacts for electronic interlocking (not available for customer use).
- ④ Horsepower ratings shown in tables are for reference only. **The final selection of the controller and solid state overload relay depends on the actual motor full load current and service factor.**
- ⑤ The KTB9 Motor Circuit Controller is designed and tested to protect a motor circuit in case of a short circuit. A separate Sprecher + Schuh CEP7-1EF overload relay with selectable trip class should be used to protect the motor against overload. In Applications with motor starting times exceeding 10 seconds (heavy duty starting) the rated operational current (Ie) of the motor FLA must be multiplied by the following factors for selection of the KTB9 Motor Circuit Controller KTB9-40H and KTB7-45H.
 Trip classes according to UL 508 Section 52 and IEC 60947-4-1
 CLASS 10 = 1.0, CLASS 15 = 1.22, CLASS 20 = 1.42, CLASS 25 = 1.58, CLASS 30 = 1.73
- ⑥ The maximum number of motor starts in 25 cycles/hour with a minimum OFF-time of 120 seconds between cycles. This additional calculation and selecting a larger frame size is necessary to compensate (dissipate) the increased heat resulting from long acceleration applications effecting the rated operational current of the KTB9.

Ordering Instructions

Specify Catalog Number	
Replace (*) with Coil Code	See Coil Code table on this page for codes.