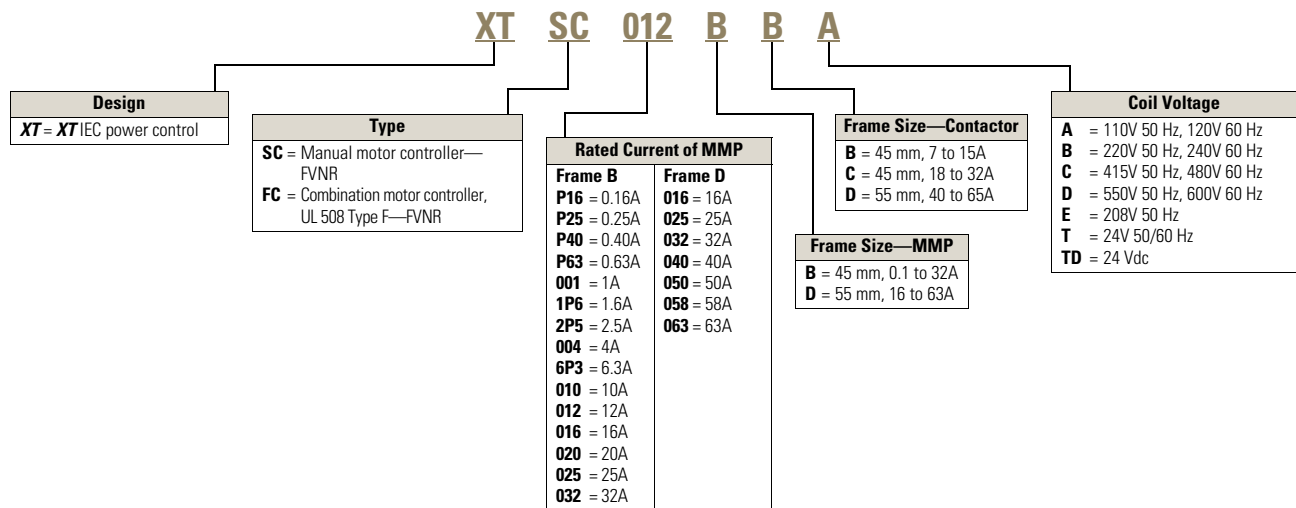


XTIEC Manual and Combination Motor Controllers**Features**

- ON/OFF rotary handle with lockout provision
- Class 10 overload protection
- Adjustment dial for setting motor FLA
- Built-in surge suppression on DC coils as standard
- Assembled manual motor controllers consist of manual motor protector, contactor, connector kit and 1NO-1NC auxiliary contact for MMP
- Assembled combination motor controllers consist of manual motor protector, contactor, connector kit, 1NO-1NC auxiliary contact for MMP and line side adapter
- Combination motor controllers are UL 508 Type F rated, and provide the following functions in a single device
 - Disconnect, short circuit protection, motor overload protection, motor controller

Catalog Number Selection**XTIEC Manual and Combination Motor Controllers****Manual and Combination Motor Controllers**

XTFC Combination Motor Controllers (CMC), UL 508 Type F

Factory Assembled Motor Protective Device with Thermal and Magnetic Trip + Contactor + Required Line Side Adapter

FLA Adjustment Range (A) ①	Short Circuit Release— I _{rm} (A)	Maximum Motor Ratings—P ②				Maximum hp Rating—P (hp)				Assembled Manual Motor Controller ③ Non-Reversing— Catalog Number
		Maximum kW Rating AC-3—P (kW) Three-Phase			Three-Phase					
		220–240V	380–415V	500V	660–690V	200V	240V	480V	600V	
Frame B MMP + Frame B Contactor										
0.1–0.16	2.2	—	—	—	0.06	④	④	1/2	1/2	XTFCP16BB_
0.16–0.25	3.5	—	0.06	0.06	0.12	④	④	1/2	1/2	XTFCP25BB_
0.25–0.4	5.6	0.06	0.09	0.12	0.18	④	④	1/2	1/2	XTFCP40BB_
0.4–0.63	8.82	0.09	0.18	0.25	0.25	④	④	1/2	1/2	XTFCP63BB_
0.63–1	14	0.12	0.25	0.37	0.55	④	④	1/2	1/2	XTFC001BB_
1–1.6	22.4	0.25	0.55	0.75	1.1	④	④	3/4	1	XTFC1P6BB_
1.6–2.5	35	0.37	0.75	1.1	1.5	1/2	1/2	1	1-1/2	XTFC2P5BB_
2.5–4	56	0.75	1.5	2.2	3	1	1	2	3	XTFC004BB_
4–6.3	88.2	1.1	2.2	3	4	1-1/2	1-1/2	3	5	XTFC6P3BB_
6.3–10	140	2.2	4	4	7.5	3	3	7-1/2	10	XTFC010BB_
8–12	168	3	5.5	5.5	11	3	3	7-1/2	—	XTFC012BB_
10–16	224	4	7.5	9	12.5	3	5	10	—	XTFC016BB_
Frame B MMP + Frame C Contactor										
10–16	224	4	7.5	9	12.5	3	5	10	—	XTFC016BC_
16–20	280	5.5	9	12.5	15	5	5	—	—	XTFC020BC_
20–25	350	5.5	11	15	22	5	7-1/2	15	—	XTFC025BC_
25–32	448	7.5	15	22	30	7-1/2	10	20	—	XTFC032BC_
Frame D MMP + Frame C Contactor										
10–16	224	4	7.5	9	12.5	3	5	10	10	XTFC016DC_
16–25	350	5.5	12.5	12.5	22	7-1/2	7-1/2	20	25	XTFC025DC_
25–32	448	7.5	15	17.5	22	10	10	25	30	XTFC032DC_
Frame D MMP + Frame D Contactor										
32–40	560	11	20	22	30	10	10	30	40	XTFC040DD_
40–50	700	14	25	30	45	10	15	30	—	XTFC050DD_
50–58	812	17	30	37	55	15	15	40	—	XTFC058DD_
55–65	882	18.5	34	37	55	15	15	40	—	XTFC063DD_

Magnet Coil Suffix

Coil Voltage	Suffix Code
110V 50 Hz, 120V 60 Hz	A
220V 50 Hz, 240V 60 Hz	B
24V 50/60 Hz	T
24 Vdc	TD ⑤
415V 50 Hz, 480V 60 Hz	C
550V 50 Hz, 600V 60 Hz	D
208V 60 Hz	E

Notes

The assembled Combination Motor Controller (CMC) consists of an XTPR Manual Motor Protector (MMP) and an XTCE contactor and a required Line Side Adapter. For Frame B MMP + Frame B Contactor assemblies, the XTFC and XTFR can be mounted directly on DIN rail without an adapter. The contactors are supported mechanically with a mechanical connection element (included in XTPAXTPCB, XTPAXRPCRB).

For 16A and above, the assembly is mounted via a DIN rail adapter plate (XTPAXTPCPC, XTPAXTPCPD) and the electrical connection is made with electrical contact modules (XTPAXECMC, XTPAXECMD), both included in XTPAXTPCC and XTPAXTPCD.
 $SF = 1.15 \rightarrow I_r = 1 \times I_n \text{ mot}$
 $SF = 1 \rightarrow I_r = 0.9 \times I_n \text{ mot}$

- ① Overload release—I_r.
- ② Select combination motor controllers by full load amperes. Maximum motor ratings (kW, hp) are for reference only.
- ③ Underscore (_) indicates magnet coil suffix required. See table at left.
- ④ In this range, calculate motor rating according to rated current. Specified values to NEC 430.6(A)(1).
- ⑤ With DC operation: Integrated diode-resistor combination, coil rating 2.6W.