



PowerFlex 70 Drive Ratings

Reference

PowerFlex 70 *User Manual*, Publication 20A-UM001... supplied with the drive.

Input Protection Devices for New 240 Volt AC Ratings

Drive Catalog Number	HP Rating		Input Ratings		Output Amps		Dual Element Time Delay Fuse		Non-Time Delay Fuse	Circuit Breaker ⁽⁴⁾	Motor Circuit Protector ⁽⁶⁾	140M Motor Starter with Adjustable Current Range ^{(7),(8)}			
	ND	FD	Amps	kVA	Cont.	1 Min. - 3 Sec.	Min. ⁽²⁾	Max. ⁽³⁾					Min. ⁽²⁾	Max. ⁽³⁾	Max. ⁽⁵⁾
208 Volt AC Input															
20AB042	D	15	10	39.8	14.3	43	55.5	74	60	100	175	175	70	140M-FBE-C45	140-CMN-6300
20AB054	E	20	15	57.5	20.7	62.1	72.4	96.6	80	125	200	200	100	-	140-CMN-6300
20AB070	E	25	20	72.3	26.0	78.2	93.1	124	90	175	300	300	100	-	140-CMN-9000
240 Volt AC Input															
20AB042	D	15	10	38.7	16.1	42	46.2	63	50	90	150	150	50	140M-FBE-C45	140-CMN-6300
20AB054	E	20	15	49.8	20.7	54	63	84	60	100	200	200	100	-	140-CMN-6300
20AB070	E	25	20	64.5	26.8	70	81	108	90	150	275	275	100	-	140-CMN-9000

- (1) For IP 66 (NEMA Type 4X/12) enclosures, drives listed as Frame A increase to Frame B and drives listed as Frame C increase to Frame D.
- (2) Minimum protection device size is the lowest rated device that supplies maximum protection without nuisance tripping.
- (3) Maximum protection device size is the highest rated device that supplies drive protection. For US NEC, minimum size is 125% of motor FLA. Ratings shown are maximum.
- (4) Circuit Breaker - inverse time breaker. For US NEC, minimum size is 125% of motor FLA. Ratings shown are maximum.
- (5) Maximum allowable rating by US NEC. Exact size must be chosen for each installation.
- (6) Motor Circuit Protector - instantaneous trip circuit breaker. For US NEC, minimum size is 125% of motor FLA. Ratings shown are maximum.
- (7) Bulletin 140M with adjustable current range should have the current trip set to the minimum range that the device will not trip.
- (8) Manual Self-Protected (Type E) Combination Motor Controller, UL listed for 208 Wye or Delta, 240 Wye or Delta, 480Y/277 or 600Y/347. Not UL listed for use on 480V or 600V Delta/Delta systems.
- (9) The AIC ratings of the Bulletin 140M Motor Protector may vary. See publication 140M-SG001B-EN-P.