



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⁾ |
| 208 Volt AC Input | | | | | | | | | | | | | |
| 20AB042 | D 15 | 10 | 39.8 | 14.3 | 43 | 55.5 | 74 | 60 | 100 | 175 | 175 | 70 | 140M-FBE-C45 |
| 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 |
| 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 B increase to 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.