

Type MS450 – MS497



MS450



MS497

Manual motor starters

| | FLA adjustment range | Horsepower ratings | | | | | Weight (lbs) | Availability code | Catalog number | List price | |
|-----------------------------------|----------------------|---------------------------|------|-------------|------|------|--------------|-------------------|----------------|------------|--------|
| | | Single-phase ^① | | Three-phase | | | | | | | |
| | | 115V | 230V | 200V – 208V | 230V | 460V | | | | | 575V |
| Overload tripping class 10 | MS450 | | | | | | | | | | |
| | 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | A | MS450-16 | \$ 450 |
| | 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | A | MS450-20 | 450 |
| | 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | A | MS450-25 | 450 |
| | 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | A | MS450-32 | 450 |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | A | MS450-40 | 510 |
| | 36 – 45 | 5 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | A | MS450-45 | 510 |
| | 40 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 2.12 | A | MS450-50 | 510 |
| | MS495 | | | | | | | | | | |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | A | MS495-40 | 562.50 |
| 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | A | MS495-50 | 562.50 | |
| 45 – 63 | 5 | 15 | 20 | 25 | 50 | 60 | 4.63 | A | MS495-63 | 562.50 | |
| 57 – 75 | 7.5 | 15 | 25 | 25 | 60 | 75 | 4.63 | A | MS495-75 | 600 | |
| 70 – 90 | 10 | 20 | 30 | 30 | 75 | 100 | 4.63 | A | MS495-90 | 615 | |
| 80 – 100 | 10 | 25 | 40 | 40 | 75 | 100 | 4.63 | A | MS495-100 | 690 | |
| Overload tripping class 20 | MS497 | | | | | | | | | | |
| | 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | B | MS497-16 | 450 |
| | 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | B | MS497-20 | 450 |
| | 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | B | MS497-25 | 450 |
| | 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | B | MS497-32 | 450 |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | B | MS497-40 | 562.50 |
| | 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | B | MS497-50 | 562.50 |
| | 45 – 63 | 5 | — | 20 | 25 | 50 | 60 | 4.63 | B | MS497-63 | 562.50 |
| | 57 – 75 | 7.5 | — | 25 | 25 | 60 | 75 | 4.63 | B | MS497-75 | 600 |
| | 70 – 90 | 10 | — | 30 | 30 | 75 | 100 | 4.63 | B | MS497-90 | 615 |
| 80 – 100 | 10 | — | 30 | 40 | 75 | 100 | 4.63 | B | MS497-100 | 690 | |
| Overload tripping class 20 | MS451 | | | | | | | | | | |
| | 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | B | MS451-16 | 450 |
| | 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | B | MS451-20 | 450 |
| | 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | B | MS451-25 | 450 |
| | 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | B | MS451-32 | 450 |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | B | MS451-40 | 510 |
| | 36 – 45 | 5 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | B | MS451-45 | 510 |
| | 40 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 2.12 | B | MS451-50 | 510 |
| | MS496 | | | | | | | | | | |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | B | MS496-40 | 562.50 |
| 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | B | MS496-50 | 562.50 | |
| 45 – 63 | 5 | 15 | 20 | 25 | 50 | 60 | 4.63 | B | MS496-63 | 562.50 | |
| 57 – 75 | 7.5 | 15 | 25 | 25 | 60 | 75 | 4.63 | B | MS496-75 | 600 | |
| 70 – 90 | 10 | 20 | 30 | 30 | 75 | 100 | 4.63 | B | MS496-90 | 615 | |
| 80 – 100 ^② | 10 | 25 | 40 | 40 | 75 | 100 | 4.63 | B | MS496-100 | 690 | |

Availability code

- A – Standard item, stock to two weeks lead time
- B – Stock to four weeks lead time
- C – 4 to 6 weeks lead time

UL File # E167205

① Single phase motor ratings are based upon wiring all three poles in series.
 ② Maximum motor current 95A.

Type MS450 – MS497 for UL 508 Type E Applications



MS450-16E



MS497-16E

Manual motor starters

| | FLA adjustment range | Horsepower ratings | | | | | Weight (lbs) | Availability code | Catalog ^③ number | List price |
|-----------------------------------|----------------------------|---------------------------|------|-------------|------|------|-----------------|----------------------|--------------------------------|----------------------------|
| | | Single-phase ^① | | Three-phase | | | | | | |
| | | 115V | 230V | 200V – 208V | 230V | 460V | | | | |
| Overload tripping class 10 | MS450 | | | | | | | | | |
| | 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | A | MS450-16E \$ 525 |
| | 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | A | MS450-20E 525 |
| | 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | A | MS450-25E 525 |
| | 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | A | MS450-32E 525 |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | A | MS450-40E 585 |
| | 36 – 45 | 5 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | A | MS450-45E 585 |
| | 40 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 2.12 | A | MS450-50E 585 |
| | MS495 | | | | | | | | | |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | A | MS495-40E 622.50 |
| | 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | A | MS495-50E 622.50 |
| | 45 – 63 | 5 | 15 | 20 | 25 | 50 | 60 | 4.63 | A | MS495-63E 622.50 |
| | 57 – 75 | 7.5 | 15 | 25 | 25 | 60 | 75 | 4.63 | A | MS495-75E 720 |
| | 70 – 90 | 10 | 20 | 30 | 30 | 75 | 100 | 4.63 | A | MS495-90E 735 |
| | 80 – 100 | 10 | 25 | 40 | 40 | 75 | 100 | 4.63 | A | MS495-100E 810 |
| MS497 | | | | | | | | | | |
| 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | B | MS497-16E 570 | |
| 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | B | MS497-20E 570 | |
| 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | B | MS497-25E 570 | |
| 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | B | MS497-32E 570 | |
| 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | B | MS497-40E 622.50 | |
| 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | B | MS497-50E 622.50 | |
| 45 – 63 | 5 | — | 20 | 25 | 50 | 60 | 4.63 | B | MS497-63E 622.50 | |
| 57 – 75 | 7.5 | — | 25 | 25 | 60 | 75 | 4.63 | B | MS497-75E 720 | |
| 70 – 90 | 10 | — | 30 | 30 | 75 | 100 | 4.63 | B | MS497-90E 735 | |
| 80 – 100 | 10 | — | 30 | 40 | 75 | 100 | 4.63 | B | MS497-100E 810 | |
| Overload tripping class 20 | MS451 | | | | | | | | | |
| | 11 – 16 | 1 | 3 | 5 | 5 | 10 | 15 | 2.12 | B | MS451-16E 525 |
| | 14 – 20 | 1.5 | 3 | 5 | 7.5 | 15 | 20 | 2.12 | B | MS451-20E 525 |
| | 18 – 25 | 2 | 5 | 7.5 | 10 | 20 | 25 | 2.12 | B | MS451-25E 525 |
| | 22 – 32 | 3 | 5 | 10 | 10 | 25 | 30 | 2.12 | B | MS451-32E 525 |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | B | MS451-40E 585 |
| | 36 – 45 | 5 | 7.5 | 15 | 15 | 30 | 40 | 2.12 | B | MS451-45E 585 |
| | 40 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 2.12 | B | MS451-50E 585 |
| | MS496 | | | | | | | | | |
| | 28 – 40 | 3 | 7.5 | 15 | 15 | 30 | 40 | 4.63 | B | MS496-40E 622.50 |
| | 36 – 50 | 5 | 10 | 15 | 20 | 40 | 50 | 4.63 | B | MS496-50E 622.50 |
| | 45 – 63 | 5 | 15 | 20 | 25 | 50 | 60 | 4.63 | B | MS496-63E 622.50 |
| | 57 – 75 | 7.5 | 15 | 25 | 25 | 60 | 75 | 4.63 | B | MS496-75E 720 |
| | 70 – 90 | 10 | 20 | 30 | 30 | 75 | 100 | 4.63 | B | MS496-90E 735 |
| | 80 – 100 ^② | 10 | 25 | 40 | 40 | 75 | 100 | 4.63 | B | MS496-100E 810 |

Availability code

- A – Standard item, stock to two weeks lead time
- B – Stock to four weeks lead time
- C – 4 to 6 weeks lead time

① Single phase motor ratings are based upon wiring all three poles in series.
 ② Maximum motor current 95A.
 ③ Catalog number includes all parts required for UL508/E applications.