

Non-fusible disconnect switch type

A9 - AF750

Non-reversing, three phase

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| UL motor switching current | Contactor size | Maximum ratings - UL Listed | | | | UL Type 1 (Indoor metal) | | UL type 3R (Outdoor metal) | | UL Type 12 (Metal dusttight) | |
|----------------------------|----------------|----------------------------------|----------|----------|----------|--------------------------|------------|----------------------------|------------|------------------------------|------------|
| | | Maximum motor horsepower ratings | | | | Catalog number | List price | Catalog number | List price | Catalog number | List price |
| | | 200/208V | 230/240V | 480/480V | 575/600V | | | | | | |
| UL rated | | | | | | | | | | | |
| 9 | A9 | 2 | 2 | 5 | 7.5 | 11N1-2Δ | \$ 825 | 11N3-2Δ | \$ 1,005 | 11N2-2Δ | \$ 1,005 |
| 11 | A12 | 3 | 3 | 7.5 | 10 | 21N1-2Δ | 855 | 21N3-2Δ | 1,035 | 21N2-2Δ | 1,035 |
| 17 | A16 | 5 | 5 | 10 | 15 | 31N1-2Δ | 885 | 31N3-2Δ | 1,065 | 31N2-2Δ | 1,065 |
| 28 | A26 | 7.5 | 10 | 20 | 25 | 41N1-2Δ | 968 | 41N3-2Δ | 1,148 | 41N2-2Δ | 1,148 |
| 34 | A30 | 10 | 10 | 25 | 30 | 51N1-2Δ | 1,050 | 51N3-2Δ | 1,230 | 51N2-2Δ | 1,230 |
| 42 | A40 | 10 | 15 | 30 | 40 | 61N1-2Δ | 1,155 | 61N3-2Δ | 1,335 | 61N2-2Δ | 1,335 |
| 54 | A50 | 15 | 20 | 40 | 50 | 71N1-2Δ | 1,650 | 71N3-2Δ | 1,830 | 71N2-2Δ | 1,830 |
| 65 | A63 | 20 | 25 | 50 | 50 | 81N1-2Δ | 1,875 | 81N3-2Δ | 2,055 | 81N2-2Δ | 2,055 |
| 80 | A75 | 25 | 30 | 60 | 75 | 91N1-2Δ | 2,295 | 91N3-2Δ | 2,775 | 91N2-2Δ | 2,775 |
| 110 | A110 | 30 | 40 | 75 | 100 | A1N1-2Δ | 2,865 | A1N3-2Δ | 3,765 | A1N2-2Δ | 3,765 |
| 130 | A145 | 40 | 50 | 100 | 125 | B1N1-2Δ | 3,675 | B1N3-2Δ | 4,890 | B1N2-2Δ | 4,890 |
| 156 | A185 | 50 | 60 | 125 | 150 | C1N1-2Δ | 4,050 | C1N3-2Δ | 5,250 | C1N2-2Δ | 5,250 |
| 192 | A210 | 60 | 75 | 150 | 200 | D1N1-2Δ | 5,685 | D1N3-2Δ | 7,650 | D1N2-2Δ | 7,650 |
| 248 | A260 | 75 | 100 | 200 | 250 | E1N1-2Δ | 6,090 | E1N3-2Δ | 8,085 | E1N2-2Δ | 8,085 |
| 302 | A300 | 100 | 100 | 250 | 300 | F1N1-2Δ | 7,080 | F1N3-2Δ | 8,850 | F1N2-2Δ | 8,850 |
| 414 | AF400 | 125 | 150 | 350 | 400 | G1N1-2Δ | 11,250 | G1N3-2Δ | 12,285 | G1N2-2Δ | 12,285 |
| 480 | AF460 | 150 | 200 | 400 | 500 | H1N1-70Δ | 17,100 | H1N3-70Δ | 18,900 | H1N2-70Δ | 18,900 |
| 590 | AF580 | 200 | 250 | 500 | 600 | T1N1-70Δ | 20,490 | T1N3-70Δ | 22,290 | T1N2-70Δ | 22,290 |
| 810 | AF750 | 250 | 300 | 600 | 700 | U1N1-70Δ | 21,990 | U1N3-70Δ | 25,050 | U1N2-70Δ | 25,050 |

| NEMA rated | | | | | | | | | | | |
|-------------------|----------------|--------------------|------|------|----------|----------|--------|----------|----------|----------|----------|
| NEMA size | Contactor size | Continuous current | 200V | 230V | 460/575V | | | | | | |
| 00 | A9 | 9 | 1.5 | 1.5 | 2 | J1N1-2Δ | \$ 825 | J1N3-2Δ | \$ 1,005 | J1N2-2Δ | \$ 1,005 |
| 0 | A16 | 18 | 3 | 3 | 5 | K1N1-2Δ | 885 | K1N3-2Δ | 1,065 | K1N2-2Δ | 1,065 |
| 1 | A26 | 27 | 7.5 | 7.5 | 10 | L1N1-2Δ | 968 | L1N3-2Δ | 1,148 | L1N2-2Δ | 1,148 |
| 2 | A50 | 45 | 10 | 15 | 25 | M1N1-2Δ | 1,650 | M1N3-2Δ | 1,830 | M1N2-2Δ | 1,830 |
| 3 | A75 | 90 | 25 | 30 | 50 | N1N1-2Δ | 2,295 | N1N3-2Δ | 2,775 | N1N2-2Δ | 2,775 |
| 4 | A145 | 135 | 40 | 50 | 100 | P1N1-2Δ | 3,675 | P1N3-2Δ | 4,890 | P1N2-2Δ | 4,890 |
| 5 | A260 | 270 | 75 | 100 | 200 | Q1N1-2Δ | 6,090 | Q1N3-2Δ | 8,085 | Q1N2-2Δ | 8,085 |
| 6 | AF460 | 540 | 150 | 200 | 400 | R1N1-70Δ | 17,100 | R1N3-70Δ | 18,900 | R1N2-70Δ | 18,900 |
| 7 | AF750 | 810 | — | 300 | 600 | S1N1-70Δ | 21,990 | S1N3-70Δ | 25,050 | S1N2-70Δ | 25,050 |

Δ Overload relay suffix code. Select from the overload relay selection chart on pages 3.6 - 3.7. Overload relays are required for all combination starters. If overload relay is provided by customer, substitute an "X" in place of the Δ and then subtract list price of overload relay from combination starter's list price.

Example: 11N1-2X \$ 825 List
 - 63 - OLR
 \$ 762 Net price

Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the suffix code after the last dash in the catalog number.

Ex.: A 240V coil is required for an A75 starter: 91N1-4F

To select starter with control transformer, substitute the code from the Control transformer voltage selector chart for the two digits after the last dash in the catalog number.

Ex.: A 480V primary voltage with a 120V secondary voltage is required for an A75 starter: 91N1-CF

Control transformer option

| Contactor size | VA rating | List price adder |
|----------------|-----------|------------------|
| A9 - A40 | 50 | \$ 360 |
| A50 - A75 | 75 | 435 |
| A95 - A110 | 100 | 560 |
| A145 - A185 | 150 | 720 |
| A210 - A300 | 250 | 795 |
| AF400 - AF460 | 150 | 720 |
| AF580 - AF750 | 250 | 795 |

Reference page 3.50 for Extra VA under all (Control Transformer Options chart)

Factory modifications

See page 3.50

Coil voltage selection - A9 - A300

| Hz | Contactor type | Volts | | | | | | | | | |
|----|----------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 24 | 110 | 120 | 208 | 220 | 240 | 440 | 480 | 500 | 600 |
| 60 | A | 1 | | 2 | 3 | | 4 | 5 | 6 | | 7 |
| 50 | A | 1 | 2 | | | 4 | | | | 7 | |

Coil voltage selection - AF400 - AF750

| Hz | Contactor type | Volts | |
|-------|----------------|-----------|-----------|
| | | 100 - 250 | 250 - 500 |
| 50/60 | AF | 70 | 71 |

Control transformer voltage selection chart

| Hz | Volts | | | | |
|-------|-------|-------------|---------|---------------|---------------|
| | Type | 200-208/120 | 240/120 | 460 - 480/120 | 575 - 600/120 |
| | A/AF | A | B | C | D |
| 50/60 | Type | 200-208/24 | 240/24 | 460 - 480/24 | 575 - 600/24 |
| | A/AF | E | F | G | H |

NOTES: For AF50 - AF 300 starters, consult factory.
 ① AF400 - AF750 only.

**Non-fusible disconnect switch type
A9 - AF750
Non-reversing, three phase**

Combination
starters

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| UL Type 4 (Watertight) | | UL Type 4X (Stainless steel) | | UL Type 1, 3R, 4, 4X & 12 (Plastic) | |
|---------------------------|---------------|---------------------------------|---------------|--|---------------|
| Catalog number | List price | Catalog number | List price | Catalog number | List price |
| UL rated | | | | | |
| 11N4-2Δ | \$ 1,290 | 11NX-2Δ | \$ 1,600 | 11NP-2Δ | \$ 945 |
| 21N4-2Δ | 1,320 | 21NX-2Δ | 1,630 | 21NP-2Δ | 975 |
| 31N4-2Δ | 1,365 | 31NX-2Δ | 1,675 | 31NP-2Δ | 1,005 |
| 41N4-2Δ | 1,448 | 41NX-2Δ | 1,790 | 41NP-2Δ | 1,088 |
| 51N4-2Δ | 1,613 | 51NX-2Δ | 2,110 | 51NP-2Δ | 1,170 |
| 61N4-2Δ | 1,800 | 61NX-2Δ | 2,500 | 61NP-2Δ | 1,275 |
| 71N4-2Δ | 2,190 | 71NX-2Δ | 3,100 | 71NP-2Δ | 1,770 |
| 81N4-2Δ | 2,535 | 81NX-2Δ | 3,550 | 81NP-2Δ | 1,995 |
| 91N4-2Δ | 3,015 | 91NX-2Δ | 4,000 | 91NP-2Δ | 2,415 |
| A1N4-2Δ | 4,163 | A1NX-2Δ | 5,530 | A1NP-2Δ | 3,225 |
| B1N4-2Δ | 5,175 | B1NX-2Δ | 6,450 | B1NP-2Δ | 4,360 |
| C1N4-2Δ | 5,775 | C1NX-2Δ | 7,650 | C1NP-2Δ | 5,100 |
| D1N4-2Δ | 9,150 | D1NX-2Δ | 12,000 | D1NP-2Δ | 8,300 |
| E1N4-2Δ | 9,600 | E1NX-2Δ | 16,500 | E1NP-2Δ | 8,750 |
| F1N4-2Δ | 10,350 | F1NX-2Δ | 21,000 | F1NP-2Δ | 9,750 |
| G1N4-2Δ | 13,800 | G1NX-2Δ | 25,800 | G1NP-2Δ | — |
| H1N4-70Δ | 20,700 | H1NX-70Δ | 27,900 | — | — |
| T1N4-70Δ | 24,750 | T1NX-70Δ | 32,550 | — | — |
| U1N4-70Δ | 26,850 | U1NX-70Δ | 34,800 | — | — |
| NEMA rated | | | | | |
| J1N4-2Δ | \$ 1,290 | J1NX-2Δ | \$ 1,600 | J1NP-2Δ | \$ 945 |
| K1N4-2Δ | 1,365 | K1NX-2Δ | 1,675 | K1NP-2Δ | 1,005 |
| L1N4-2Δ | 1,448 | L1NX-2Δ | 1,780 | L1NP-2Δ | 1,088 |
| M1N4-2Δ | 2,190 | M1NX-2Δ | 3,100 | M1NP-2Δ | 1,770 |
| N1N4-2Δ | 3,015 | N1NX-2Δ | 4,000 | N1NP-2Δ | 2,415 |
| P1N4-2Δ | 5,175 | P1NX-2Δ | 6,450 | P1NP-2Δ | 4,360 |
| Q1N4-2Δ | 9,600 | Q1NX-2Δ | 16,500 | Q1NP-2Δ | 8,750 |
| R1N4-70Δ | 20,700 | R1NX-70Δ | 27,900 | — | — |
| S1N4-70Δ | 26,850 | S1NX-70Δ | 34,800 | — | — |

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