

HPS SENTINEL® 600 VOLT CLASS ENERGY EFFICIENT GENERAL PURPOSE DISTRIBUTION TRANSFORMER

ALUMINUM & COPPER, THREE PHASE STANDARD SPECIFICATIONS

15 to 45 kVA

75 to 750 kVA



| | 15 to 45 kVA | 75 to 750 kVA |
|------------------------------|---|---|
| Efficiency | Meets DOE 10 CRF Part 431 & C802.2 efficiencies at 35% of rated load. Efficiencies are calculated under a linear load profile. | |
| UL Listed | File: E112313 | File: E112313 |
| CSA Certified | File: LR3902 | File: LR3902 |
| Frequency | 60 Hz | 60 Hz |
| Insulation System | 220°C (150°C rise) 200°C (130°C rise) on 15 & 30kVA copper (optional 115°C and 80°C rise available) | 220°C (150°C rise) (optional 115°C and 80°C rise available) |
| Enclosure Type | Heavy Duty Ventilated Type 3R Optional Type 4, 4X (stainless steel) and 12. | Heavy Duty Ventilated Type 3R Optional Type 4, 4X (stainless steel) and 12. |
| Enclosure Finish | ANSI 61 Grey, UL50 | ANSI 61 Grey, UL50 |
| Neutral | Neutral terminal for field connection (on applicable units). | Neutral terminal for field connection (on applicable units). |
| Standard Primary Taps | Refer to wiring diagrams for details. | Refer to wiring diagrams for details. |
| Termination | Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation. | Front accessible separate high and low voltage terminals; connectors suitable for aluminum and copper are provided for easy cable installation. |
| Conduit Knock-Outs | Standard on all units. | Standard on 75 kVA & 150 kVA units. |
| Impedance | Typically 2.5% to 6.5% | Typically 2.5% to 6.5% |
| Mounting | Floor or wall/ceiling mounting available. Refer to selection tables for details. | Floor or wall/ceiling mounting available. Refer to selection tables for details. |
| Seismic | Seismically certified in accordance with 2009 IBC for $S_{DS} \leq 2.00g$, $z/h = 1.0$ and $I_p = 1.5$ | Seismically certified in accordance with 2009 IBC for $S_{DS} \leq 2.00g$, $z/h = 1.0$ and $I_p = 1.5$ |
| Sound level | Meets NEMA ST-20 standards. (Optional low noise units available) | Meets NEMA ST-20 standards. (Optional low noise units available) |

Other voltages and kVA sizes not listed in this section are available upon request for both aluminum and copper wound units. Features as listed above may differ. Please contact customer service for details, price and availability.



ALUMINUM WOUND, THREE PHASE



208 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|--|
| | | | Width | Depth | Height | | | |
| 15 | NMK015BB | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 7 |
| 30 | NMK030BB | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 9 |
| 45 | NMK045BB | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 9 |
| 75 | NMK075BB | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 9 |
| 112.5 | NMK112BB | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 9 |
| 150 | NMK150BB | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 9 |
| 225 | NMK225BB | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 9 |
| 300 | NMK300BB | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 9 |
| 500 | NMK500BB | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 25 |
| 750 | NMK750BB | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 25 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

208 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|--|
| | | | Width | Depth | Height | | | |
| 15 | NMK015BK | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 40 |
| 30 | NMK030BK | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 26 |
| 45 | NMK045BK | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 26 |
| 75 | NMK075BK | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 26 |
| 112.5 | NMK112BK | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 26 |
| 150 | NMK150BK | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 26 |
| 225 | NMK225BK | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 26 |
| 300 | NMK300BK | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 26 |
| 500 | NMK500BK | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 23 |
| 750 | NMK750BK | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 40 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

240 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|--|
| | | | Width | Depth | Height | | | |
| 15 | NMK015DB | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 25 |
| 30 | NMK030DB | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 9 |
| 45 | NMK045DB | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 9 |
| 75 | NMK075DB | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 9 |
| 112.5 | NMK112DB | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 9 |
| 150 | NMK150DB | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 9 |
| 225 | NMK225DB | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 9 |
| 300 | NMK300DB | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 9 |
| 500 | NMK500DB | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | NO TAPS |
| 750 | NMK750DB | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | NO TAPS |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.





ALUMINUM WOUND, THREE PHASE

240 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015DK | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 40 |
| 30 | NMK030DK | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 26 |
| 45 | NMK045DK | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 26 |
| 75 | NMK075DK | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 26 |
| 112.5 | NMK112DK | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 26 |
| 150 | NMK150DK | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 26 |
| 225 | NMK225DK | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 26 |
| 300 | NMK300DK | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 26 |
| 500 | NMK500DK | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | NO TAPS |
| 750 | NMK750DK | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | NO TAPS |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KB | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 7 |
| 30 | NMK030KB | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 19 |
| 45 | NMK045KB | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 19 |
| 75 | NMK075KB | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 19 |
| 112.5 | NMK112KB | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 19 |
| 150 | NMK150KB | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 19 |
| 225 | NMK225KB | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 19 |
| 300 | NMK300KB | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 19 |
| 500 | NMK500KB | NJ2 | 48.50 | 38.40 | 59.00 | 2150 | F | SCD 20 |
| 750 | NMK750KB | NJ3 | 51.50 | 43.40 | 66.00 | 3200 | F | SCD 20 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

480 Delta Primary Volts

240 Delta/120 CT Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KD | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 13 |
| 30 | NMK030KD | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 21 |
| 45 | NMK045KD | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 21 |
| 75 | NMK075KD | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 21 |
| 112.5 | NMK112KD | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 21 |
| 150 | NMK150KD | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 21 |
| 225 | NMK225KD | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 21 |
| 300 | NMK300KD | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 21 |
| 500 | NMK500KD | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 22 |
| 750 | NMK750KD | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 22 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



ALUMINUM WOUND, THREE PHASE



480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KK | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 25 |
| 30 | NMK030KK | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 19 |
| 45 | NMK045KK | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 19 |
| 75 | NMK075KK | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 19 |
| 112.5 | NMK112KK | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 19 |
| 150 | NMK150KK | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 19 |
| 225 | NMK225KK | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 19 |
| 300 | NMK300KK | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 19 |
| 500 | NMK500KK | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 20 |
| 750 | NMK750KK | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 20 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

May be used on a 4 wire 600Y/347 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015PB | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 9 |
| 30 | NMK030PB | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 9 |
| 45 | NMK045PB | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 9 |
| 75 | NMK075PB | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 9 |
| 112.5 | NMK112PB | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 9 |
| 150 | NMK150PB | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 9 |
| 225 | NMK225PB | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 9 |
| 300 | NMK300PB | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 9 |
| 500 | NMK500PB | NJ2 | 48.50 | 38.40 | 59.00 | 2200 | F | SCD 10 |
| 750 | NMK750PB | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 10 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

600Y Primary Volts

240 Delta Secondary Volts

60 Hz

Do not connect neutral when used on 600Y/347 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015PD | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 16 |
| 30 | NMK030PD | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 16 |
| 45 | NMK045PD | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 16 |
| 75 | NMK075PD | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 16 |
| 112.5 | NMK112PD | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 16 |
| 150 | NMK150PD | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 16 |
| 225 | NMK225PD | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 16 |
| 300 | NMK300PD | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 16 |
| 500 | NMK500PD | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 29 |
| 750 | NMK750PD | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 29 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



SECTION 7

ALUMINUM WOUND, THREE PHASE



600 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

May be used on a 4 wire 600Y/347 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|--|
| | | | Width | Depth | Height | | | |
| 15 | NMK015PK | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 9 |
| 30 | NMK030PK | NH6 | 23.90 | 25.00 | 28.75 | 280 | F or W * | SCD 9 |
| 45 | NMK045PK | NH6 | 23.90 | 25.00 | 28.75 | 375 | F or W * | SCD 9 |
| 75 | NMK075PK | NH3 | 26.00 | 25.00 | 38.00 | 540 | F or W * | SCD 9 |
| 112.5 | NMK112PK | NH3 | 26.00 | 25.00 | 38.00 | 775 | F | SCD 9 |
| 150 | NMK150PK | NH4 | 32.00 | 29.50 | 41.00 | 850 | F | SCD 9 |
| 225 | NMK225PK | NH4 | 32.00 | 29.50 | 41.00 | 1400 | F | SCD 9 |
| 300 | NMK300PK | NJ1 | 39.50 | 34.00 | 51.50 | 1700 | F | SCD 9 |
| 500 | NMK500PK | NJ2 | 48.50 | 38.40 | 59.00 | 2700 | F | SCD 10 |
| 750 | NMK750PK | NJ3 | 51.50 | 43.40 | 66.00 | 3250 | F | SCD 10 |

For shielded units, please add the suffix "S" to the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



COPPER WOUND, THREE PHASE



208 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015BBCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 7 |
| 30 | NMK030BBC | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 9 |
| 45 | NMK045BBC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 9 |
| 75 | NMK075BBC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 9 |
| 112.5 | NMK112BBC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 9 |
| 150 | NMK150BBC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 9 |
| 225 | NMK225BBC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 9 |
| 300 | NMK300BBC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 9 |
| 500 | NMK500BBC | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | SCD 25 |
| 750 | NMK750BBC | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 25 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

208 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015BKCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 40 |
| 30 | NMK030BKC | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 26 |
| 45 | NMK045BKC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 26 |
| 75 | NMK075BKC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 26 |
| 112.5 | NMK112BKC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 26 |
| 150 | NMK150BKC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 26 |
| 225 | NMK225BKC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 26 |
| 300 | NMK300BKC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 26 |
| 500 | NMK500BKC | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | SCD 23 |
| 750 | NMK750BKC | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 23 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

240 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015DBCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 40 |
| 30 | NMK030DBC | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 9 |
| 45 | NMK045DBC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 9 |
| 75 | NMK075DBC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 9 |
| 112.5 | NMK112DBC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 9 |
| 150 | NMK150DBC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 9 |
| 225 | NMK225DBC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 9 |
| 300 | NMK300DBC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 9 |
| 500 | NMK500DBC | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | NO TAPS |
| 750 | NMK750DBC | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | NO TAPS |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



COPPER WOUND, THREE PHASE



240 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015DKCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 40 |
| 30 | NMK030DKC | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 26 |
| 45 | NMK045DKC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 26 |
| 75 | NMK075DKC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 26 |
| 112.5 | NMK112DKC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 26 |
| 150 | NMK150DKC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 26 |
| 225 | NMK225DKC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 26 |
| 300 | NMK300DKC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 26 |
| 500 | NMK500DKC | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | NO TAPS |
| 750 | NMK750DKC | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | NO TAPS |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

480 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KBCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 7 |
| 30 | NMK030KBCN | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 19 |
| 45 | NMK045KBC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 19 |
| 75 | NMK075KBC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 19 |
| 112.5 | NMK112KBC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 19 |
| 150 | NMK150KBC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 19 |
| 225 | NMK225KBC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 19 |
| 300 | NMK300KBC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 19 |
| 500 | NMK500KBC | NJ2 | 48.50 | 38.40 | 59.00 | 2500 | F | SCD 19 |
| 750 | NMK750KBC | NJ3 | 51.50 | 43.40 | 66.00 | 3300 | F | SCD 19 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

480 Delta Primary Volts

240 Delta/120 CT Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KDCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 13 |
| 30 | NMK030KDCN | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 21 |
| 45 | NMK045KDC | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 21 |
| 75 | NMK075KDC | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 21 |
| 112.5 | NMK112KDC | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 21 |
| 150 | NMK150KDC | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 21 |
| 225 | NMK225KDC | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 21 |
| 300 | NMK300KDC | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 21 |
| 500 | NMK500KDC | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | SCD 22 |
| 750 | NMK750KDC | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 22 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED.
REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



COPPER WOUND, THREE PHASE



480 Delta Primary Volts

480Y/277 Secondary Volts

60 Hz

May be used on a 4 wire 480Y/277 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015KCCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 25 |
| 30 | NMK030KCCN | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 19 |
| 45 | NMK045KCCN | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 19 |
| 75 | NMK075KCCN | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 19 |
| 112.5 | NMK112KCCN | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 19 |
| 150 | NMK150KCCN | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 19 |
| 225 | NMK225KCCN | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 19 |
| 300 | NMK300KCCN | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 19 |
| 500 | NMK500KCCN | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | SCD 20 |
| 750 | NMK750KCCN | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 20 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

600 Delta Primary Volts

208Y/120 Secondary Volts

60 Hz

May be used on a 4 wire 600Y/347 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015PBCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 9 |
| 30 | NMK030PBCN | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 9 |
| 45 | NMK045PBCN | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 9 |
| 75 | NMK075PBCN | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 9 |
| 112.5 | NMK112PBCN | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 9 |
| 150 | NMK150PBCN | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 9 |
| 225 | NMK225PBCN | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 9 |
| 300 | NMK300PBCN | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 9 |
| 500 | NMK500PBCN | NJ2 | 48.50 | 38.40 | 59.00 | 2500 | F | SCD 10 |
| 750 | NMK750PBCN | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 10 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

600Y Primary Volts

240 Delta Secondary Volts

60 Hz

Do not connect neutral when used on 600Y/347 Volt Supply

| kVA | Catalog Number | Case Style (Pages 260 - 267) | Approx. Dimensions (Inches) | | | Approx. Weight (Lbs.) | Mtg Type W - Wall F - Floor | Wiring Diagram (Pages 276 - 288) |
|-------|----------------|---------------------------------|--------------------------------|-------|--------|--------------------------|-----------------------------------|-------------------------------------|
| | | | Width | Depth | Height | | | |
| 15 | NMK015PDCN | NH5 | 19.40 | 20.20 | 21.50 | 200 | F or W * | SCD 16 |
| 30 | NMK030PDCN | NH6 | 23.90 | 25.00 | 28.75 | 300 | F or W * | SCD 16 |
| 45 | NMK045PDCN | NH6 | 23.90 | 25.00 | 28.75 | 400 | F or W * | SCD 16 |
| 75 | NMK075PDCN | NH3 | 26.00 | 25.00 | 38.00 | 600 | F or W * | SCD 16 |
| 112.5 | NMK112PDCN | NH3 | 26.00 | 25.00 | 38.00 | 850 | F | SCD 16 |
| 150 | NMK150PDCN | NH4 | 32.00 | 29.50 | 41.00 | 975 | F | SCD 16 |
| 225 | NMK225PDCN | NH4 | 32.00 | 29.50 | 41.00 | 1500 | F | SCD 16 |
| 300 | NMK300PDCN | NJ1 | 39.50 | 34.00 | 51.50 | 1850 | F | SCD 16 |
| 500 | NMK500PDCN | NJ2 | 48.50 | 38.40 | 59.00 | 2800 | F | SCD 29 |
| 750 | NMK750PDCN | NJ3 | 51.50 | 43.40 | 66.00 | 3550 | F | SCD 29 |

For shielded units, please replace the suffix "C" with "K" on the above part numbers.

*WALL MOUNTING KIT AND/OR DRIP PLATE KIT REQUIRED. REFER TO PAGES 271 TO 273 FOR DETAILS.

Note: For units smaller than 15kVA, please refer to the three phase encapsulated units in Section 8.

Products listed on this page are available as 'CE Mark' products. Please consult our sales office.

FOR TERMINATION DETAILS SEE PAGE 275.

FOR ACCESSORIES SEE PAGES 271 TO 274.

Data subject to change without notice.



SECTION 7