



Jefferson® PLUS™ Non-Linear Transformers

**NEW SPACE & WEIGHT
SAVING SIZES**

Standard Units

- ◆ K-13 rated units 15 KVA – 500 KVA
- ◆ 480 Volts Primary
- ◆ 208Y/120 Volts Secondary
- ◆ 60 Hz
- ◆ 600 Volt class
- ◆ Aluminum windings
- ◆ Electrostatic shielding
- ◆ 150°C temperature rise
- ◆ 220°C insulation
- ◆ Taps: 2–2.5% FCAN; 4–2.5% FCBN
- ◆ NEMA 1 enclosure standard on 424 Series units
- ◆ NEMA 3R enclosure standard on 224 Series units
- ◆ NEMA 3R weathershields available for 424 Series units
- ◆ Meets or exceeds all applicable NEMA, ANSI, OSHA, UL, CSA and C-UL requirements

Custom Units

- ◆ K-4 & K-20 ratings available
- ◆ Copper windings available
- ◆ 80°C or 115°C temperature rises available

Three-Phase K-13

**424 Series: 15 KVA to
112.50 KVA**

**224 Series: 150 KVA to
500KVA**

Jefferson® PLUS™ K-rated transformers are ideal for non-linear, electronic applications where standard transformers severely overheat and fail. Non-linear (K-factor) transformers save money and eliminate downtime by handling the excessive harmonics that cause standard transformers to fail prematurely. Lower flux densities in K-factor transformers are designed to reduce the effects of harmonics on core heating. The neutral terminal in these units are double sized to accommodate triplen harmonics.

The Jefferson® PLUS™ 424 Series transformers are smaller in size and up to 20 percent lighter in weight for easier handling and installation. These space- and labor-saving units are ideal for limited spaces where electronic loads present non-linear currents. The compact, robust units can be used where space restrictions dictate the use of smaller and lighter transformers. All units in the 424 Series and 224 Series provide electrostatic shielding for noise attenuation.

Jefferson® PLUS™ Non-Linear Transformers

Our 424 Series take up less space and are up to 20 percent lighter in weight than transformers of comparable performance.

General Purpose										
Three-Phase ♦ K-13 ♦ Electrostatic Shielded ♦ 150°C Temperature Rise ♦ 60 Hz ♦ Taps: 2 – 2.5% FCAN; 4 – 2.5% FCBN										
KVA	Catalog Number	NAED Number	Height (in.)	Width (in.)	Depth (in.)	Wiring Diagram	Order Weathershield Number	Order Wall Bracket Number	Est Ship Wgt. (lbs.)	List Price
480 Volts Primary – 208Y/120 Volts Secondary										
15	424-3164-052	14600	28.63	21.38	16.04	30E on page 35 of catalog	423-0008-045	223-0008-075	290	\$2,658
30	424-3194-052	14605	28.63	21.38	16.04		423-0008-045	223-0008-075	305	\$2,710
45	424-3214-052	14610	31.50	24.13	16.79		423-0008-075	223-0008-075	345	\$3,218
75	424-3234-052	14615	31.50	24.13	16.79		423-0008-150		650	\$4,640
112.5	424-3254-052	14620	36.00	29.49	27.79	JE901	423-0008-150		835	\$7,525
150	224-3264-052	58164	51.88	35.75	30.88	50A on page 50 of catalog			1323	\$9,466
225	224-3294-052	58165	51.88	35.75	30.88				1960	\$13,405
300	224-3314-052	58166	58.00	48.00	44.13				2190	\$16,141
500	224-3344-052	58167	Consult Factory				JE901			3540

Note: Housing dimensions subject to change without notice. Contact factory where dimensions are critical.



Contact your local Jefferson representative for other voltage ratings of Jefferson® PLUS™ K-rated transformers.



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