



**OUTDOOR MEDIUM VOLTAGE VOLTAGE TRANSFORMERS**

| 5-8.7 kV 1-Bushing<br>75 kV BIL |           | Normal Burden Design | Replaces VEF15-10 Design                    |                    |             |                            |                |  |
|---------------------------------|-----------|----------------------|---|--------------------|-------------|----------------------------|----------------|--|
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 2400/4160GY : 120V              | VEF 15-09 | 121531009.395000     | -   | -                  | 20:1        | 0.3 WXY                    | 1000 VA        |  |
| 4200/7280GY : 120V              | VEF 15-09 | 121531009.395001     | -   | -                  | 35:1        | 0.3 WXY                    | 1000 VA        |  |
| 4800/8320GY : 120V              | VEF 15-09 | 121531009.395002     | -   | -                  | 40:1        | 0.3 WXY                    | 1000 VA        |  |
| 5-8.7 kV 2-Bushing<br>75 kV BIL |           | Normal Burden Design | Replaces VZF15-10 Design                    |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 2400/4160Y : 120V               | VZF 15-09 | 121530009.395007     | VOY-60 7525A85G01                           | JVW-3 763X030001   | 20:1        | 0.3 WXY                    | 1000 VA        |  |
| 4800/4800Y : 120V               | VZF 15-09 | 121530009.395008     | VOY-60 7525A85G03                           | JVW-3 763X030003   | 40:1        | 0.3 WXY                    | 1000 VA        |  |
| 15 kV 1-Bushing<br>110 kV BIL   |           | Normal Burden Design | Replaces VEF15-10 Design                    |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 7200/12470GY : 120V             | VEF 15-09 | 121531009.395003     | VOG-11 7525A95G01                           | JVW-110 765X031115 | 60:1        | 0.3 WXY                    | 1000 VA        |  |
| 7620/13200GY : 120V             | VEF 15-09 | 121531009.395004     | VOG-11 7525A95G02                           | -                  | 63.5:1      | 0.3 WXY                    | 1000 VA        |  |
| 7970/13800GY : 120V             | VEF 15-09 | 121531009.395005     | -   | -                  | 66.42:1     | 0.3 WXY                    | 1000 VA        |  |
| 8400/14400GY : 120V             | VEF 15-09 | 121531009.395006     | VOG-11 7525A95G03                           | JVW-110 765X031116 | 70:1        | 0.3 WXY                    | 1000 VA        |  |
| 15 kV 2-Bushing<br>110 kV BIL   |           | Normal Burden Design | Replaces VZF15-10 Design Starting July 2014 |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 7200/12470Y : 120V              | VZF 15-09 | 121530009.395009     | VOY-11 7525A23G05                           | JVW-110 765X031111 | 60:1        | 0.3 WXY                    | 1000 VA        |  |
| 7620/13200Y : 120V              | VZF 15-09 | 121530009.395010     | VOY-11 7525A23G06                           | -                  | 63.5:1      | 0.3 WXY                    | 1000 VA        |  |
| 8400/14400Y : 120V              | VZF 15-09 | 121530009.395011     | VOY-11 7525A23G07                           | JVW-110 765X031112 | 70:1        | 0.3 WXY                    | 1000 VA        |  |
| 12000/12000Y : 120V             | VZF 15-09 | 121530009.395012     | VOY-11 7525A23G08                           | JVW-110 765X031113 | 100:1       | 0.3 WXY                    | 1000 VA        |  |
| 13200/13200Y : 120V             | VZF 15-09 | 121530009.395013     | VOY-11 7525A23G09                           | -                  | 110:1       | 0.3 WXY                    | 1000 VA        |  |
| 14400/14400Y : 120V             | VZF 15-09 | 121530009.395014     | VOY-11 7525A23G10                           | JVW-110 765X031114 | 120:1       | 0.3 WXY                    | 1000 VA        |  |
| 15 kV 1-Bushing<br>110 kV BIL   |           | High Burden Design   |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 7200/12470GY : 120V             | VEF 15-20 | 122031010.60305      | VOZ-11M 7525A91G05                          | JVW-5 765X030051   | 60:1        | 0.3 WXYZ                   | 1500 VA        |  |
| 8400/14400GY : 120V             | VEF 15-20 | 122031010.60306      | VOZ-11M 7525A91G07                          | JVW-5 765X030052   | 70:1        | 0.3 WXYZ                   | 1500 VA        |  |
| 15 kV 2-Bushing<br>110 kV BIL   |           | High Burden Design   |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 7200/12470Y : 120V              | VZF 15-20 | 122030010.60320      | VOZ-11 7525A89G05                           | JVW-5 765X030042   | 60:1        | 0.3 WXYZ                   | 1500 VA        |  |
| 7620/13200Y : 120V              | VZF 15-20 | 122030010.60321      | VOZ-11 7525A89G06                           | JVW-5 765X030043   | 63.5:1      | 0.3 WXYZ                   | 1500 VA        |  |
| 8400/14400Y : 120V              | VZF 15-20 | 122030010.60322      | VOZ-11 7525A89G07                           | JVW-5 765X030044   | 70:1        | 0.3 WXYZ                   | 1500 VA        |  |
| 12000/12000Y : 120V             | VZF 15-20 | 122030010.60323      | VOZ-11 7525A89G08                           | JVW-5 765X030045   | 100:1       | 0.3 WXYZ                   | 1500 VA        |  |
| 13200/13200Y : 120V             | VZF 15-20 | 122030010.60324      | VOZ-11 7525A89G09                           | -                  | 110:1       | 0.3 WXYZ                   | 1500 VA        |  |
| 14400/14400Y : 120V             | VZF 15-20 | 122030010.60325      | VOZ-11 7525A89G10                           | JVW-5 765X030046   | 120:1       | 0.3 WXYZ                   | 1500 VA        |  |
| 25 kV 1-Bushing<br>150 kV BIL   |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 12000/20750GY : 120V            | VEF 25-10 | 122031010.60342      | VOY-15G 7526A63G01                          | JVW-150 766X034001 | 100:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 13200/23000GY : 120V            | VEF 25-10 | 122031010.70974      | -   | -                  | 110:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 14400/24940GY : 120V            | VEF 25-10 | 122031010.60343      | VOY-15G 7526A63G02                          | JVW-150 766X034002 | 120:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 25 kV 2-Bushing<br>150 kV BIL   |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 12000/20750Y : 120V             | VZF 25-10 | 122030010.60350      | VOZ-15 7525A90G01                           | -                  | 100:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 14400/24940Y : 120V             | VZF 25-10 | 122030010.60351      | VOZ-15 7525A90G02                           | JVW-150 766X034006 | 120:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 14400/24940 : 120V Dual Voltage | VZF 25-10 | 122030010.304699     | -   | -                  | 60/120:1    | 0.3WXY@120:1<br>0.3WX@60:1 | 2000 VA        |  |
| 18000/18000Y : 120V             | VZF 25-10 | 122030010.60352      | VOZ-15 7525A90G03                           | JVW-150 766X034003 | 150:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 24000/24000Y : 120V             | VZF 25-10 | 122030010.60353      | VOZ-15 7525A90G04                           | JVW-150 766X034004 | 200:1       | 0.3 WXYZ                   | 2000 VA        |  |
| 34.5 kV 1-Bushing<br>200 kV BIL |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 20125/34500GY : 115/67.08V      | VEF 36-10 | 123031010.60372      | VOY-20G 7526A55G01                          | JVW-7 767X031011   | 175/300:1   | 0.3 WXY                    | 1300 VA        |  |
| 20125/34500GY : 115/67.08V      | VEF36-21  | 123031021.305251     | VOZZ-20G 9629A97G01                         | JVS-200 767030002  | 175/300:1:1 | 0.3 WXY                    | 1000 VA        |  |
| 20125/34500GY : 115/67.08V      | VEF36-03  | 123031003.306987     | -   | -                  | 175/300:1:1 | 0.3 WX                     | 400 VA         |  |
| 34.5 kV 2-Bushing<br>200 kV BIL |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 20125/34500Y : 115/67.08V       | VZF 36-10 | 123030010.60380      | VOHD-200 7882A31G01                         | -                  | 175/300:1   | 0.3 WXY                    | 1000 VA        |  |
| 27600/27600Y : 115/69V          | VZF 36-10 | 123030010.60381      | VOHD-200 7882A31G02                         | -                  | 240/400:1   | 0.3 WXY                    | 1000 VA        |  |
| 34500/34500Y : 115/69V          | VZF 36-10 | 123030010.60382      | VOHD-200 7882A31G03                         | -                  | 300/500:1   | 0.3 WXY                    | 1000 VA        |  |
| 27600/27600Y : 115V             | VZF 36-10 | 123030010.60383      | VOY-20 7881A82G03                           | JVT-200 767X030003 | 240:1       | 0.3 WXY                    | 1000 VA        |  |
| 34500/34500Y : 115V             | VZF 36-10 | 123030010.60384      | -   | JVT-200 767X030001 | 300:1       | 0.3 WXY                    | 1000 VA        |  |
| 46 kV 1-Bushing<br>250 kV BIL   |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 27600/46000GY : 115/69V         | VEF 48-01 | 124531001.72378      | -   | JVS-250 768X030002 | 240/400:1:1 | 0.3 WXY                    | 1600 VA        |  |
| 69 kV 1-Bushing<br>350 kV BIL   |           |                      |   |                    |             |                            |                |  |
| Voltage Rating                  | Ritz Type | Ritz Cat#            | ABB Cat# **                                 | GE Cat# **         | Ratio       | Accuracy/Burden            | Thermal Burden |  |
| 40250/69000GY : 115/67.08V      | VEF72-13  | 126031013.01600      | -   | JVS-350 769X030002 | 350/600:1:1 | 0.3 WXYZ                   | 2000 VA        |  |

This list is not all-inclusive and other designs and ratings may be available.

Competitor units listed as closest electrical equivalent units.