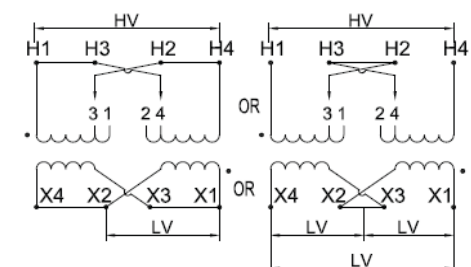


## HIGH EFFICIENCY DOE 2016 COMPLIANT

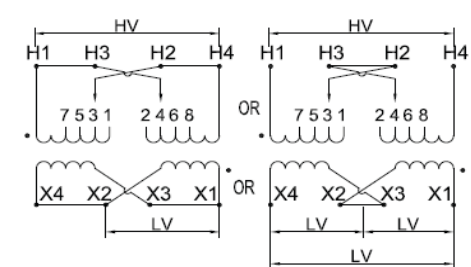
Single phase 240x480 Volts Primary 120/240 Volts Secondary 60Hz. 150 °C ALUMINUM

| kVA  | Catalog Number | Case Style | Approx. Dimensions(Inches) |       |        | Wiring Diagram | Approx. Weight (Lbs.) |
|------|----------------|------------|----------------------------|-------|--------|----------------|-----------------------|
|      |                |            | Width                      | Depth | Height |                |                       |
| 15   | HE1015EF       | E1         | 19.4                       | 20.2  | 21.5   | W3             | 200                   |
| 25   | HE1025EF       | E2         | 23.9                       | 25    | 28.75  | W4             | 290                   |
| 37.5 | HE1037EF       | E2         | 23.9                       | 25    | 28.75  | W4             | 370                   |
| 50   | HE1050EF       | E3         | 26                         | 25    | 38     | W4             | 450                   |
| 75   | HE1075EF       | E3         | 26                         | 25    | 38     | W4             | 590                   |
| 100  | HE1100EF       | E4         | 32                         | 29.5  | 41     | W4             | 770                   |
| 150  | HE1150EF       | E5         | 39.5                       | 34    | 51.5   | W4             | 1020                  |
| 167  | HE1167EF       | E5         | 39.5                       | 34    | 51.5   | W4             | 1100                  |

### (W3)WIRING DIAGRAM

| SCHEMATIC   | CONNECTIONS     |               |                  |                          |
|---|-----------------|---------------|------------------|--------------------------|
|   | % Voltage       | Primary Volts | Connect lines to | Inter-connect            |
|  | 100. 0%         | 240           | H1, H4           | 1-H2, 2-H3, H1-H3, H2-H4 |
|   | 90. 0%          | 216           | H1, H4           | 3-H2, 4-H3, H1-H3, H2-H4 |
|   | 100. 0%         | 480           | H1, H4           | 1-H2, 2-H3, H2-H3        |
|   | 95. 0%          | 456           | H1, H4           | 2-H2, 3-H3, H2-H3        |
|   | 90. 0%          | 432           | H1, H4           | 3-H2, 4-H3, H2-H3        |
|   | Secondary Volts |               | Connect lines to | Inter-connect            |
|   | 240             |               | X1, X4           | X2-X3                    |
|   | 120             |               | X1, X2           | X2-X4, X1-X3             |
|   | 120/240         |               | X1, X2, X4       | X2-X3                    |

### (W4)WIRING DIAGRAM

| SCHEMATIC   | CONNECTIONS     |               |                  |                          |
|---|-----------------|---------------|------------------|--------------------------|
|   | % Voltage       | Primary Volts | Connect lines to | Inter-connect            |
|  | 105. 0%         | 252           | H1, H4           | 1-H2, 2-H3, H1-H3, H2-H4 |
|   | 100. 0%         | 240           | H1, H4           | 3-H2, 4-H3, H1-H3, H2-H4 |
|   | 95. 0%          | 228           | H1, H4           | 5-H2, 6-H3, H1-H3, H2-H4 |
|   | 90. 0%          | 216           | H1, H4           | 7-H2, 8-H3, H1-H3, H2-H4 |
|   | 105. 0%         | 504           | H1, H4           | 1-H2, 2-H3, H2-H3        |
|   | 102. 5%         | 492           | H1, H4           | 3-H2, 2-H3, H2-H3        |
|   | 100. 0%         | 480           | H1, H4           | 3-H2, 4-H3, H2-H3        |
|   | 97. 5%          | 468           | H1, H4           | 5-H2, 4-H3, H2-H3        |
|   | 95. 0%          | 456           | H1, H4           | 5-H2, 6-H3, H2-H3        |
|   | 92. 5%          | 444           | H1, H4           | 7-H2, 6-H3, H2-H3        |
|   | 90. 0%          | 432           | H1, H4           | 7-H2, 8-H3, H2-H3        |
|   | Secondary Volts |               | Connect lines to | Inter-connect            |
|   | 240             |               | X1, X4           | X2-X3                    |
|   | 120             |               | X1, X2           | X2-X4, X1-X3             |
| 120/240   |                 | X1, X2, X4    | X2-X3            |                          |