

# Three Phase - 380 X 480 Volt - Narrow Range

Base units listed below are designed for 4 wire Wye inputs. If input neutral is not provided see page 23, Three Phase Configurations to determine if a Delta configuration is required.

## Input & Output Voltages (Nominal)

| Line - Line | Line - Neutral | Frequency (Hz) | Selectable Output Voltage |
|-------------|----------------|----------------|---------------------------|
| 380-400-415 | 220-230-240    | 50 / 60        | 375 to 455                |
| 480         | 277            | 60             | 430 to 530                |

Input Correction Range: -20% to +10% of selected output voltage

304 to 418 volts with the output set at 380 volts  
384 to 528 volts with the output set at 480 volts

## Single Control

| Rated Load               |                 |                 | Model Number<br>(base unit) | Max.<br>Input<br>Amps | Recovery Rate †<br>(seconds / %) | Approximate Weights |       |           |       | Enclosure |
|--------------------------|-----------------|-----------------|-----------------------------|-----------------------|----------------------------------|---------------------|-------|-----------|-------|-----------|
| Amps                     | kVA at<br>380 V | kVA at<br>480 V |                             |                       |                                  | Pounds              |       | Kilograms |       |           |
|                          | Net             | Ship            |                             |                       |                                  | Net                 | Ship  |           |       |           |
| <b>Floor Mount Units</b> |                 |                 |                             |                       |                                  |                     |       |           |       |           |
| * 15                     | 10              | 13              | WHR34NSR13                  | 20                    | 0.026                            | 353                 | 403   | 160       | 183   | D         |
| * 28                     | 18              | 23              | WHR34NSS13                  | 35                    | 0.026                            | 464                 | 514   | 210       | 233   | D         |
| 65                       | 43              | 54              | WHR34NST13                  | 80                    | 0.110                            | 446                 | 496   | 202       | 225   | D         |
| 130                      | 85              | 105             | WHR34NST16                  | 160                   | 0.170                            | 727                 | 777   | 330       | 352   | F         |
| 195                      | 125             | 160             | WHR34NST33                  | 240                   | 0.220                            | 1,145               | 1,245 | 519       | 565   | DD        |
| 260                      | 170             | 215             | WHR34NST34                  | 320                   | 0.340                            | 1,397               | 1,497 | 634       | 679   | EE        |
| 325                      | 210             | 270             | WHR34NST35                  | 400                   | 0.340                            | 1,595               | 1,695 | 723       | 769   | EE        |
| 390                      | 250             | 325             | WHR34NST36                  | 480                   | 0.670                            | 1,891               | 1,991 | 858       | 903   | FF        |
| 450                      | 300             | 375             | WHR34NST37                  | 560                   | 0.670                            | 2,089               | 2,189 | 948       | 993   | FF        |
| 520                      | 325             | 425             | WHR34NST38                  | 640                   | 0.670                            | 2,287               | 2,387 | 1,037     | 1,083 | FF        |
| 580                      | 375             | 475             | WHR34NST39                  | 720                   | 0.670                            | 2,561               | 2,661 | 1,162     | 1,207 | GG        |

## Individual Phase Control

| Rated Load               |                 |                 | Model Number<br>(base unit) | Max.<br>Input<br>Amps | Recovery Rate †<br>(seconds / %) | Approximate Weights |       |           |       | Enclosure |
|--------------------------|-----------------|-----------------|-----------------------------|-----------------------|----------------------------------|---------------------|-------|-----------|-------|-----------|
| Amps                     | kVA at<br>380 V | kVA at<br>480 V |                             |                       |                                  | Pounds              |       | Kilograms |       |           |
|                          | Net             | Ship            |                             |                       |                                  | Net                 | Ship  |           |       |           |
| <b>Floor Mount Units</b> |                 |                 |                             |                       |                                  |                     |       |           |       |           |
| * 15                     | 10              | 13              | WHR34NTR31                  | 20                    | 0.026                            | 418                 | 468   | 190       | 212   | D         |
| * 28                     | 18              | 23              | WHR34NTS31                  | 35                    | 0.026                            | 529                 | 579   | 240       | 263   | D         |
| 65                       | 43              | 54              | WHR34NTT31                  | 80                    | 0.110                            | 511                 | 561   | 232       | 254   | D         |
| 130                      | 85              | 105             | WHR34NTT32                  | 160                   | 0.110                            | 792                 | 842   | 359       | 382   | F         |
| 195                      | 125             | 160             | WHR34NTT33T                 | 240                   | 0.110                            | 1,032               | 1,082 | 468       | 491   | G         |
| 195                      | 125             | 160             | WHR34NTT33                  | 240                   | 0.170                            | 1,210               | 1,310 | 549       | 594   | DD        |
| 260                      | 170             | 215             | WHR34NTT34                  | 320                   | 0.170                            | 1,462               | 1,562 | 663       | 709   | EE        |
| 325                      | 210             | 270             | WHR34NTT35                  | 400                   | 0.170                            | 1,660               | 1,760 | 753       | 798   | EE        |
| 390                      | 250             | 325             | WHR34NTT36                  | 480                   | 0.170                            | 1,956               | 2,056 | 887       | 933   | FF        |
| 450                      | 300             | 375             | WHR34NTT37                  | 560                   | 0.220                            | 2,154               | 2,254 | 977       | 1,022 | FF        |
| 520                      | 325             | 425             | WHR34NTT38                  | 640                   | 0.220                            | 2,352               | 2,452 | 1,067     | 1,112 | FF        |
| 580                      | 375             | 475             | WHR34NTT39                  | 720                   | 0.220                            | 2,626               | 2,726 | 1,191     | 1,236 | GG        |
| 650                      | 425             | 540             | WHR34NTT65                  | 800                   | 0.340                            | 3,315               | 3,615 | 1,504     | 1,640 | 3-EPLUS   |
| 780                      | 500             | 650             | WHR34NTT66                  | 960                   | 0.340                            | 3,942               | 4,242 | 1,788     | 1,924 | 3-FPLUS   |
| 910                      | 600             | 750             | WHR34NTT67                  | 1120                  | 0.340                            | 4,338               | 4,638 | 1,968     | 2,104 | 3-FPLUS   |
| 1040                     | 675             | 850             | WHR34NTT68                  | 1280                  | 0.670                            | 4,734               | 5,034 | 2,147     | 2,283 | 3-FPLUS   |
| 1170                     | 750             | 950             | WHR34NTT96                  | 1440                  | 0.670                            | 5,628               | 5,928 | 2,553     | 2,689 | 3-FF      |
| 1350                     | 875             | 1100            | WHR34NTT97                  | 1680                  | 0.670                            | 6,222               | 6,522 | 2,822     | 2,958 | 3-FF      |
| 1550                     | 1000            | 1250            | WHR34NTT98                  | 1920                  | 0.670                            | 6,816               | 7,116 | 3,092     | 3,228 | 3-FF      |
| 1750                     | 1150            | 1450            | WHR34NTT99                  | 2160                  | 0.670                            | 7,638               | 7,938 | 3,465     | 3,601 | 3-GG      |



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