

# Stainless Steel Maximum Rating Tables Size 815

Style SBMQ

Style SHMQ

Style SHMQ

## 815 Series

| Ratio | Input RPM | Output RPM | Input HP | Output HP | Output Torque (lb-in) | NEMA C Input Frame | L Assembly Catalog No. | R Assembly Catalog No. | D Assembly Catalog No. | H1 Assembly Catalog No.* | H2 Assembly Catalog No.* |
|-------|-----------|------------|----------|-----------|-----------------------|--------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|
| 5     | 2500      | 500.0      | 2.310    | 2.151     | 271                   | 56C                | S153003700             | S153004900             | S153006100             | S153045710               | S153046910               |
|       | 1750      | 350.0      | 1.939    | 1.794     | 323                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 234.0      | 1.537    | 1.408     | 379                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 20.0       | 0.235    | 0.167     | 526                   |                    |                        |                        |                        |                          |                          |
| 7.5   | 2500      | 333.3      | 1.785    | 1.619     | 306                   | 56C                | S153003800             | S153005000             | S153006200             | S153045810               | S153047010               |
|       | 1750      | 233.3      | 1.522    | 1.368     | 370                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 156.0      | 1.205    | 1.068     | 431                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 13.3       | 0.196    | 0.125     | 591                   |                    |                        |                        |                        |                          |                          |
| 10    | 2500      | 250.0      | 1.500    | 1.324     | 334                   | 56C                | S153003900             | S153005100             | S153006300             | S153045910               | S153047110               |
|       | 1750      | 175.0      | 1.279    | 1.116     | 402                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 117.0      | 1.014    | 0.869     | 468                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 10.0       | 0.176    | 0.101     | 639                   |                    |                        |                        |                        |                          |                          |
| 15    | 2500      | 166.7      | 1.174    | 0.982     | 371                   | 56C                | S153004000             | S153005200             | S153006400             | S153046010               | S153047210               |
|       | 1750      | 116.7      | 1.003    | 0.826     | 446                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 78.0       | 0.800    | 0.643     | 519                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 6.7        | 0.155    | 0.075     | 706                   |                    |                        |                        |                        |                          |                          |
| 20    | 2500      | 125.0      | 1.077    | 0.860     | 434                   | 56C                | S153004100             | S153005300             | S153006500             | S153046110               | S153047310               |
|       | 1750      | 87.5       | 0.919    | 0.719     | 518                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 58.5       | 0.734    | 0.557     | 600                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 5.0        | 0.155    | 0.064     | 807                   |                    |                        |                        |                        |                          |                          |
| 25    | 2500      | 100.0      | 0.881    | 0.670     | 422                   | 56C                | S153004200             | S153005400             | S153006600             | S153046210               | S153047410               |
|       | 1750      | 70.0       | 0.752    | 0.559     | 503                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 46.8       | 0.602    | 0.431     | 580                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 4.0        | 0.137    | 0.049     | 775                   |                    |                        |                        |                        |                          |                          |
| 30    | 2500      | 83.3       | 0.729    | 0.526     | 398                   | 56C                | S153004300             | S153005500             | S153006700             | S153046310               | S153047510               |
|       | 1750      | 58.3       | 0.630    | 0.442     | 478                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 39.0       | 0.510    | 0.344     | 555                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 3.3        | 0.124    | 0.040     | 754                   |                    |                        |                        |                        |                          |                          |
| 40    | 2500      | 62.5       | 0.649    | 0.432     | 435                   | 56C                | S153004400             | S153005600             | S153006800             | S153046410               | S153047610               |
|       | 1750      | 43.8       | 0.560    | 0.361     | 520                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 29.3       | 0.456    | 0.279     | 601                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 2.5        | 0.122    | 0.032     | 808                   |                    |                        |                        |                        |                          |                          |
| 50    | 2500      | 50.0       | 0.536    | 0.329     | 415                   | 56C                | S153004500             | S153005700             | S153006900             | S153046510               | S153047710               |
|       | 1750      | 35.0       | 0.464    | 0.274     | 494                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 23.4       | 0.379    | 0.211     | 569                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 2.0        | 0.110    | 0.024     | 760                   |                    |                        |                        |                        |                          |                          |
| 60    | 2500      | 41.7       | 0.451    | 0.257     | 389                   | 56C                | S153004600             | S153005800             | S153007000             | S153046610               | S153047810               |
|       | 1750      | 29.2       | 0.391    | 0.214     | 462                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 19.5       | 0.321    | 0.165     | 532                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 1.7        | 0.099    | 0.019     | 707                   |                    |                        |                        |                        |                          |                          |
| 80    | 2500      | 31.3       | 0.219    | 0.109     | 220                   | 56C                | S153004700             | S153005900             | S153007100             | S153046710               | S153047910               |
|       | 1750      | 21.9       | 0.204    | 0.093     | 269                   |                    |                        |                        |                        |                          |                          |
|       | 1170      | 14.6       | 0.176    | 0.073     | 314                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 1.3        | 0.032    | 0.008     | 418                   |                    |                        |                        |                        |                          |                          |
| 100   | 2500      | 25.0       | 0.155    | 0.069     | 175                   | 56C                | S153004800             | S153006000             | S153007200             | S153046810               | S153048010               |
|       | 1750      | 17.5       | 0.145    | 0.059     | 213                   |                    |                        |                        |                        |                          |                          |
|       | 100       | 1.0        | 0.024    | 0.005     | 328                   |                    |                        |                        |                        |                          |                          |

Consult Factory for other available styles and motor flanges.

\* Catalog numbers are for hollow output shaft reducers.

When ordering, substitute the XX suffix with the required output bore code.

### Available bore codes

|                  |       |
|------------------|-------|
| Fraction Size    | 5/8"  |
| Decimal Size     | 0.625 |
| Output Bore Code | 10    |

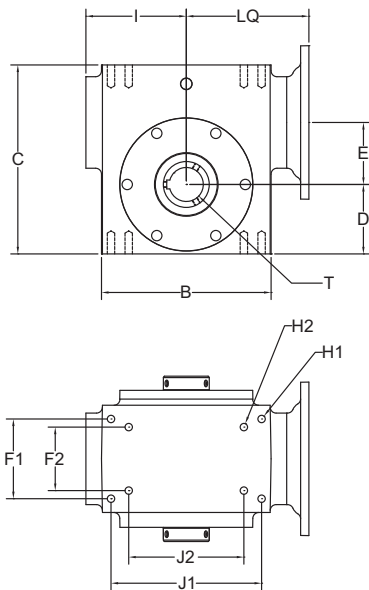
## HMQ Style

|            | A    | AD   | B    | C    | D    | E     | F1   | F2   | H1      | H2      | I    | J1   | J2   | LQ (56C) | LQ (180TC) | T MAX | T KWY       | V    | AG   |
|------------|------|------|------|------|------|-------|------|------|---------|---------|------|------|------|----------|------------|-------|-------------|------|------|
| <b>813</b> | 2.82 | 3.69 | 3.80 | 4.66 | 1.72 | 1.333 | 2.00 | N/A  | 5/16-18 | N/A     | 2.38 | 3.25 | N/A  | 3.48     | N/A        | 0.625 | 3/16 x 3/32 | 1.00 | 4.75 |
| <b>815</b> | 3.44 | 4.40 | 4.88 | 5.38 | 1.91 | 1.540 | 2.75 | N/A  | 5/16-18 | N/A     | 2.91 | 4.19 | N/A  | 4.01     | N/A        | 0.625 | 3/16 x 3/32 | 1.00 | 5.42 |
| <b>818</b> | 3.32 | 4.40 | 5.06 | 5.75 | 2.06 | 1.750 | 2.75 | 1.63 | 5/16-18 | 1/4-20  | 3.01 | 4.19 | 3.13 | 4.11     | N/A        | 1.000 | 1/4 x 1/8   | 1.44 | 5.50 |
| <b>821</b> | 3.60 | 4.78 | 5.80 | 6.38 | 2.28 | 2.063 | 3.00 | 2.00 | 5/16-18 | 5/16-18 | 3.38 | 4.75 | 4.00 | 4.48     | N/A        | 1.500 | 3/8 x 3/16  | 1.94 | 6.00 |
| <b>824</b> | 4.06 | 4.97 | 6.12 | 6.94 | 2.50 | 2.375 | 2.88 | N/A  | 3/8-16  | N/A     | 3.69 | 5.00 | N/A  | 4.63     | 5.24       | 1.500 | 3/8 x 3/16  | 1.94 | 6.00 |
| <b>826</b> | 4.54 | 5.80 | 7.25 | 8.00 | 2.94 | 2.625 | 3.38 | 2.69 | 3/8-16  | 3/8-16  | 4.25 | 6.38 | 4.88 | 5.19     | 5.80       | 1.500 | 3/8 x 3/16  | 1.94 | 7.00 |
| <b>832</b> | 5.45 | 6.80 | 8.50 | 9.38 | 3.50 | 3.250 | 4.00 | 2.75 | 7/16-14 | 1/2-13  | 4.94 | 7.50 | 6.25 | 5.88     | 6.49       | 2.188 | 1/2 x 1/4   | 2.75 | 7.88 |

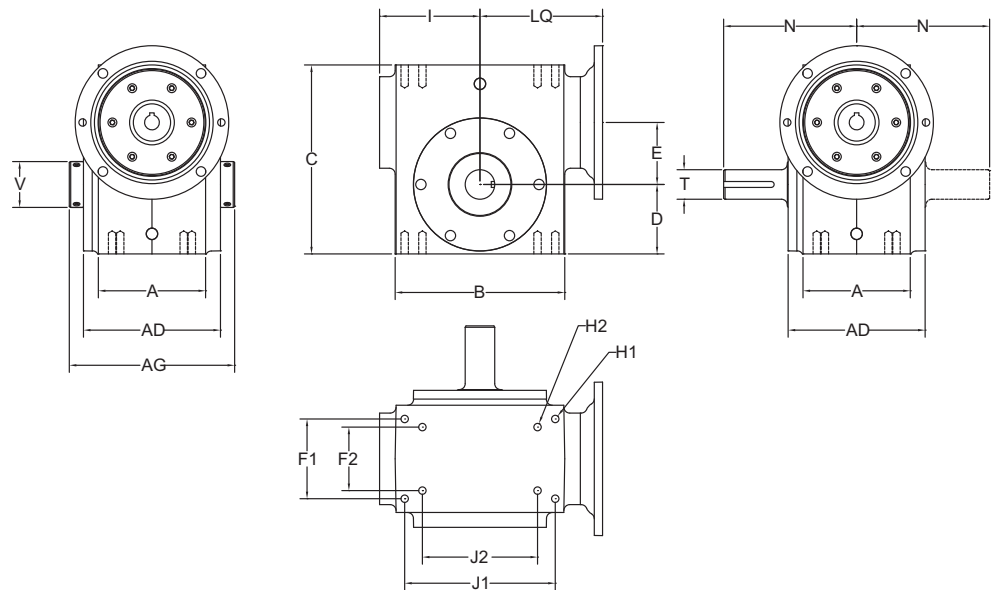
## BMQ Style

|            | A    | AD   | B    | C    | D    | E     | F1   | F2   | H1      | H2     | I    | J1   | J2   | LQ (56C) | LQ (180TC) | N    | O/P Key     | T     |
|------------|------|------|------|------|------|-------|------|------|---------|--------|------|------|------|----------|------------|------|-------------|-------|
| <b>813</b> | 2.82 | 3.69 | 3.80 | 4.66 | 1.72 | 1.333 | 2.00 | N/A  | 5/16-18 | N/A    | 2.38 | 3.25 | N/A  | 3.48     | N/A        | 4.00 | 3/16 x 1.75 | 0.625 |
| <b>815</b> | 3.44 | 4.40 | 4.88 | 5.38 | 1.91 | 1.540 | 2.75 | N/A  | 5/16-18 | N/A    | 2.91 | 4.19 | N/A  | 4.01     | N/A        | 4.31 | 3/16 x 1.75 | 0.750 |
| <b>818</b> | 3.32 | 4.40 | 5.06 | 5.75 | 2.06 | 1.750 | 2.75 | 1.63 | 5/16-18 | 1/4-20 | 3.01 | 4.19 | 3.13 | 4.11     | N/A        | 4.31 | 3/16 x 1.38 | 0.875 |
| <b>821</b> | 3.60 | 4.78 | 5.80 | 6.38 | 2.28 | 2.063 | 3.00 | 2.00 | 5/16-18 | 5/16-8 | 3.38 | 4.75 | 4.00 | 4.48     | N/A        | 4.68 | 1/4 x 1.45  | 1.000 |
| <b>824</b> | 4.06 | 4.97 | 6.12 | 6.94 | 2.50 | 2.375 | 2.88 | N/A  | 3/8-16  | N/A    | 3.69 | 5.00 | N/A  | 4.63     | 5.24       | 5.14 | 1/4 x 1.75  | 1.125 |
| <b>826</b> | 4.54 | 5.80 | 7.25 | 8.00 | 2.94 | 2.625 | 3.38 | 2.69 | 3/8-16  | 3/8-16 | 4.25 | 6.38 | 4.88 | 5.19     | 5.80       | 5.63 | 1/4 x 2.00  | 1.250 |
| <b>832</b> | 5.45 | 6.80 | 8.50 | 9.38 | 3.50 | 3.250 | 4.00 | 2.75 | 7/16-14 | 1/2-13 | 4.94 | 7.50 | 6.25 | 5.88     | 6.49       | 7.06 | 3/8 x 2.63  | 1.500 |

## HMQ Style



## BMQ Style



Single Reduction  
Worm Gear Reducers

Double Reduction  
Worm - Worm Gear Reducers

Double Reduction  
Helical - Worm Gear Reducers

WASHGUARD® Reducers  
and GEAR-H-MOTOR™

Ratio Multipliers

Accessories and  
Additional Capabilities