

Selection By Input H.P. @ 1750 RPM

| HP | Output Speed | Output Torque | Ratio | Service Factor | Output OHL | Output Thrust | Gear Stages | Model* |
|--------------|--------------|---------------|-------|----------------|------------|---------------|-------------|--------|
| ↑ 15 ↓ | 269 | 3306 | 6.51 | 1.32 | 2750 | 3370 | 3 | HB2073 |
| | 265 | 3351 | 6.6 | 2.24 | 3100 | 3540 | 3 | HB2083 |
| | 241 | 3692 | 7.27 | 1.25 | 2830 | 3370 | 3 | HB2073 |
| | 237 | 3742 | 7.37 | 2.14 | 3200 | 3540 | 3 | HB2083 |
| | 230 | 3864 | 7.61 | 3.52 | 3750 | 5350 | 3 | HB2093 |
| | 215 | 4128 | 8.13 | 1.14 | 2950 | 3370 | 3 | HB2073 |
| | 212 | 4184 | 8.24 | 1.91 | 3200 | 3540 | 3 | HB2083 |
| | 200 | 4453 | 8.77 | 1.12 | 2970 | 3370 | 3 | HB2073 |
| | 197 | 4514 | 8.89 | 1.82 | 3300 | 3540 | 3 | HB2083 |
| | 185 | 4814 | 9.48 | 3.49 | 3900 | 5350 | 3 | HB2093 |
| | 177 | 5007 | 9.86 | 1.04 | 3070 | 3370 | 3 | HB2073 |
| | 175 | 5073 | 9.99 | 1.77 | 3400 | 3540 | 3 | HB2083 |
| | 162 | 5494 | 10.82 | 3.55 | 4000 | 5350 | 3 | HB2093 |
| | 154 | 5774 | 11.37 | 1.73 | 3500 | 3540 | 3 | HB2083 |
| | 154 | 5774 | 11.37 | 1.16 | 3100 | 3370 | 3 | HB2073 |
| | 140 | 6368 | 12.54 | 3.53 | 4250 | 5350 | 3 | HB2093 |
| | 138 | 6449 | 12.7 | 2.2 | 3400 | 3540 | 3 | HB2083 |
| | 138 | 6449 | 12.7 | 1.09 | 3200 | 3370 | 3 | HB2073 |
| | 123 | 7211 | 14.2 | 2.08 | 3500 | 3540 | 3 | HB2083 |
| | 123 | 7211 | 14.2 | 1.2 | 3100 | 3370 | 3 | HB2073 |
| | 114 | 7780 | 15.32 | 1.99 | 3600 | 3540 | 3 | HB2083 |
| | 114 | 7780 | 15.32 | 1.16 | 3200 | 3370 | 3 | HB2073 |
| | 112 | 7937 | 15.63 | 3.33 | 4500 | 5350 | 3 | HB2093 |
| | 102 | 8739 | 17.21 | 1.83 | 3700 | 3540 | 3 | HB2083 |
| | 102 | 8739 | 17.21 | 1.08 | 3300 | 3370 | 3 | HB2073 |
| | 98 | 9054 | 17.83 | 3.03 | 4750 | 5350 | 3 | HB2093 |
| | 98 | 9095 | 17.91 | 1.78 | 3800 | 3540 | 3 | HB2083 |
| | 94 | 9470 | 18.65 | 1.02 | 3300 | 3370 | 3 | HB2073 |
| | 86 | 10278 | 20.24 | 1.65 | 3900 | 3540 | 3 | HB2083 |
| | 77 | 11573 | 22.79 | 2.45 | 5000 | 5350 | 3 | HB2093 |
| | 73 | 12218 | 24.06 | 1.47 | 4000 | 3540 | 3 | HB2083 |
| | 66 | 13482 | 26.55 | 2.23 | 5250 | 5350 | 3 | HB2093 |
| | 56 | 15975 | 31.46 | 1.28 | 4500 | 3540 | 3 | HB2083 |
| | 52 | 17235 | 33.94 | 1.22 | 4500 | 3540 | 3 | HB2083 |
| | 50 | 17783 | 35.02 | 1.8 | 5750 | 5350 | 3 | HB2093 |
| | 46 | 19368 | 38.14 | 1.14 | 4600 | 3540 | 3 | HB2083 |
| | 44 | 20155 | 39.69 | 1.12 | 4700 | 3540 | 3 | HB2083 |
| | 44 | 20287 | 39.95 | 1.87 | 5950 | 5350 | 3 | HB2093 |
| | 39 | 22780 | 44.86 | 1.03 | 4800 | 3540 | 3 | HB2083 |
| | 34 | 25933 | 51.07 | 1.47 | 6250 | 5350 | 3 | HB2093 |
| 29 | 30204 | 59.48 | 1.26 | 6750 | 5350 | 3 | HB2093 | |

* For Motorized Reducers Specify Mounting Type E and Motor Part Number (See Section H)
 All torque values listed in inch-pounds, all overhung load and thrust load values listed in pounds.
 The point of application of OHL is considered to be applied at the midpoint of shaft extension.
 OHL and thrust ratings cannot be applied simultaneously. Consult the factory for applications with combined OHL and thrust load.
 At speeds above 1750 RPM, units may become thermally limited. For extended operation, limit HP to 1750 RPM rating.

Ratings @ 1750 RPM Input 1.00 Service Factor

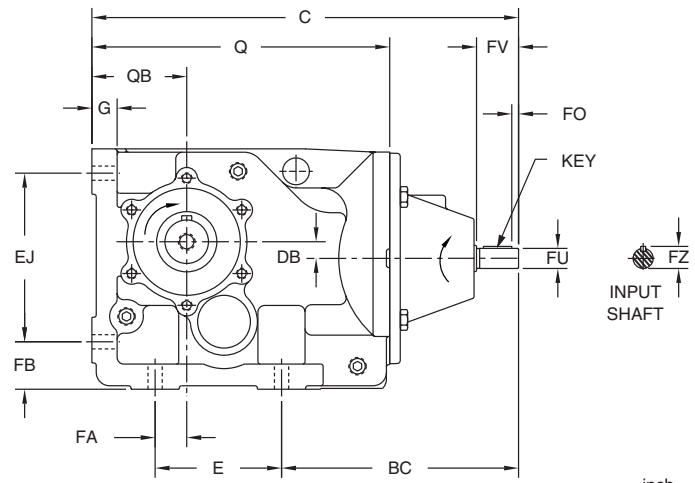
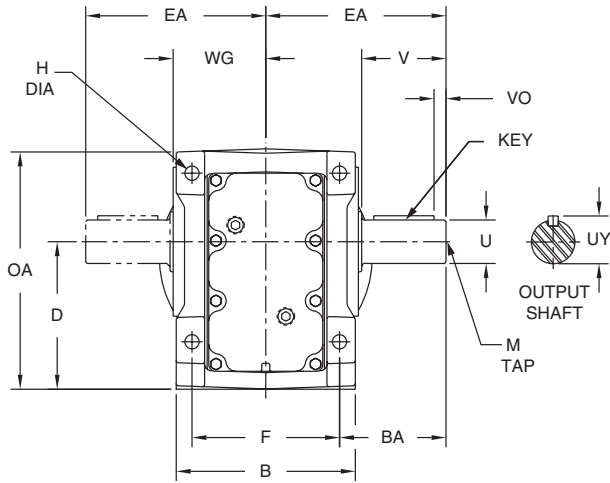
FOR MOTOR SELECTION
REFER TO SECTION H

| HB2075 | | | | | | |
|--------------|--------------|------------|---------------|-------------|------------|---------------|
| Ratio | Output Speed | Input H.P. | Output Torque | Output OHL | Input OHL | Output Thrust |
| 155.99 | 11.2 | 2.6 | 13700 | 3300 | 200 | 3370 |
| 191.38 | 9.1 | 2.1 | 13700 | 3300 | 200 | 3370 |
| 231.14 | 7.6 | 1.8 | 13700 | 3300 | 200 | 3370 |
| 290.33 | 6.0 | 1.4 | 13700 | 3300 | 200 | 3370 |
| 350.55 | 5.0 | 1.2 | 13700 | 3300 | 200 | 3370 |
| 430.02 | 4.1 | 0.94 | 13700 | 3300 | 200 | 3370 |
| 531.87 | 3.3 | 0.76 | 13700 | 3300 | 200 | 3370 |
| 652.45 | 2.7 | 0.62 | 13700 | 3300 | 200 | 3370 |
| 813.78 | 2.2 | 0.50 | 13700 | 3300 | 200 | 3370 |
| 981.05 | 1.8 | 0.41 | 13700 | 3300 | 200 | 3370 |
| 1215 | 1.4 | 0.33 | 13700 | 3300 | 200 | 3370 |
| 1488 | 1.2 | 0.27 | 13700 | 3300 | 200 | 3370 |
| 1778 | 1.0 | 0.23 | 13700 | 3300 | 200 | 3370 |
| 2324 | 0.75 | 0.17 | 13700 | 3300 | 200 | 3370 |
| 2706 | 0.65 | 0.15 | 13700 | 3300 | 200 | 3370 |
| 3352 | 0.52 | 0.12 | 13700 | 3300 | 200 | 3370 |
| HB2083 | | | | | | |
| 6.60 | 265 | 34 | 7500 | 3100 | 595 | 3540 |
| 7.37 | 237 | 32 | 8000 | 3200 | 595 | 3540 |
| 8.24 | 212 | 29 | 8000 | 3200 | 595 | 3540 |
| 8.89 | 197 | 27 | 8200 | 3300 | 595 | 3540 |
| 9.99 | 175 | 27 | 9000 | 3400 | 595 | 3540 |
| 11.37 | 154 | 26 | 10000 | 3500 | 595 | 3540 |
| 12.70 | 138 | 33 | 14200 | 3400 | 595 | 3540 |
| 14.20 | 123 | 31 | 15000 | 3500 | 595 | 3540 |
| 15.32 | 114 | 30 | 15500 | 3600 | 595 | 3540 |
| 17.21 | 102 | 27 | 16000 | 3700 | 595 | 3540 |
| 17.91 | 98 | 27 | 16200 | 3800 | 595 | 3540 |
| 20.24 | 86 | 25 | 17000 | 3900 | 595 | 3540 |
| 24.06 | 73 | 22 | 18000 | 4000 | 595 | 3540 |
| 31.46 | 56 | 19 | 20500 | 4500 | 595 | 3540 |
| 33.94 | 52 | 18 | 21000 | 4500 | 595 | 3540 |
| 38.14 | 46 | 17 | 22000 | 4600 | 595 | 3540 |
| 39.69 | 44 | 17 | 22500 | 4700 | 595 | 3540 |
| 44.86 | 39 | 15 | 23500 | 4800 | 595 | 3540 |
| 53.31 | 33 | 13 | 23900 | 4800 | 595 | 3540 |
| 74.89 | 23 | 9.4 | 23900 | 4800 | 595 | 3540 |
| 88.54 | 20 | 8.0 | 23900 | 4800 | 595 | 3540 |
| 106.74 | 16 | 6.6 | 23900 | 4800 | 595 | 3540 |
| 132.22 | 13 | 5.3 | 23900 | 4800 | 595 | 3540 |

All torque values listed in inch-pounds, all overhung load and thrust load values listed in pounds.
 The point of application of OHL is considered to be applied at the midpoint of shaft extension. Input OHL applies only to shaft input models.
 OHL and thrust ratings cannot be applied simultaneously. Consult the factory for applications with combined OHL and thrust load.
 At speeds above 1750 RPM, units may become thermally limited. For extended operation, limit HP to 1750 RPM rating.

Triple Reduction

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
CERTIFIED PRINTS ARE AVAILABLE UPON REQUEST.



Dimensions are $\frac{\text{inch}}{\text{mm}}$

Gearcase

| Model | B | BA | D | DB | E | EA | EJ | F | FA | FB | G | H |
|----------|-------|-------|----------------------|------|------|-------|-------|------|------|------|------|------|
| HB2043A* | 5.71 | 2.95 | 4.41 $^{+0}_{-.02}$ | 0.47 | 5.12 | 5.31 | 5.12 | 4.72 | 1.38 | 1.46 | 0.71 | 0.43 |
| | 145 | 75 | 112 $^{+0}_{-.5}$ | 12.0 | 130 | 135 | 130 | 120 | 35 | 37 | 18 | 11.0 |
| HB2063A* | 6.69 | 3.98 | 5.51 $^{+0}_{-.02}$ | 0.62 | 4.72 | 6.73 | 6.30 | 5.51 | 1.18 | 1.77 | 0.94 | 0.53 |
| | 170 | 101 | 140 $^{+0}_{-.5}$ | 15.8 | 120 | 171 | 160 | 140 | 30 | 45 | 24 | 13.5 |
| HB2073A* | 7.87 | 4.86 | 7.09 $^{+0}_{-.02}$ | 1.08 | 5.91 | 8.11 | 7.87 | 6.50 | 1.57 | 2.17 | 1.06 | 0.69 |
| | 200 | 123.5 | 180 $^{+0}_{.5}$ | 27.3 | 150 | 206 | 200 | 165 | 40 | 55 | 27 | 17.5 |
| HB2083A* | 9.06 | 5.91 | 8.35 $^{+0}_{-.04}$ | 1.22 | 7.09 | 9.45 | 9.17 | 7.09 | 2.17 | 2.76 | 1.26 | 0.87 |
| | 230 | 150 | 212 $^{+0}_{.1}$ | 30.9 | 180 | 240 | 233 | 180 | 55 | 70 | 32 | 22 |
| HB2093A* | 11.42 | 6.73 | 10.43 $^{+0}_{-.04}$ | 1.15 | 9.45 | 11.46 | 11.61 | 9.45 | 2.95 | 2.95 | 1.42 | 1.02 |
| | 290 | 171 | 265 $^{+0}_{.1}$ | 29.2 | 240 | 291 | 295 | 240 | 75 | 75 | 36 | 26 |

Gearcase

| Model | OA | Q | QB | WG |
|----------|-------|-------|------|------|
| HB2043A* | 7.48 | 9.82 | 2.80 | 2.85 |
| | 190 | 249 | 71 | 72.5 |
| HB2063A* | 8.98 | 11.13 | 3.54 | 3.46 |
| | 228 | 283 | 90 | 87.9 |
| HB2073A* | 11.34 | 13.21 | 4.41 | 3.98 |
| | 288 | 335 | 112 | 101 |
| HB2083A* | 13.54 | 16.61 | 5.20 | 4.57 |
| | 344 | 422 | 132 | 116 |
| HB2093A* | 16.56 | 20.29 | 6.30 | 5.75 |
| | 421 | 515 | 160 | 146 |

Output Shaft

| U | UY | V | VO | KEY | M |
|-----------------------|------|------|------|---------------------|---------------|
| 1.250 $^{+0}_{-.001}$ | 1.36 | 2.36 | 0.29 | 1/4 x 1/4 x 1-11/16 | 1/2-13 x 1.13 |
| 1.625 $^{+0}_{-.001}$ | 1.78 | 3.15 | 0.45 | 3/8 x 3/8 x 2-1/4 | 5/8-11 x 1.38 |
| 2.000 $^{+0}_{-.001}$ | 2.21 | 3.94 | 0.64 | 1/2 x 1/2 x 2-5/8 | 3/4-10 x 1.61 |
| 2.375 $^{+0}_{-.001}$ | 2.64 | 4.72 | 0.51 | 5/8 x 5/8 x 3-5/8 | 3/4-10 x 1.61 |
| 2.875 $^{+0}_{-.001}$ | 3.20 | 5.51 | 0.67 | 3/4 x 3/4 x 4-1/8 | 3/4-10 x 1.61 |

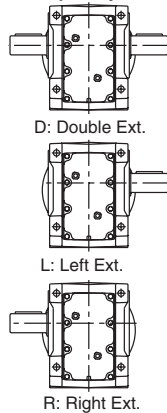
Input Shaft

| Model | FU | FZ | FV | FO | KEY |
|----------|------------------------|------|------|------|----------------------|
| HB2043A* | 0.750 $^{+0}_{-.0005}$ | 0.82 | 1.57 | 0.25 | 3/16 x 3/16 x 1-1/16 |
| HB2063A* | 0.750 $^{+0}_{-.0005}$ | 0.82 | 1.57 | 0.25 | 3/16 x 3/16 x 1-1/16 |
| HB2073A* | 0.875 $^{+0}_{-.0005}$ | 0.95 | 1.97 | 0.28 | 3/16 x 3/16 x 1-1/4 |
| HB2083A* | 1.125 $^{+0}_{-.001}$ | 1.23 | 2.36 | 0.32 | 1/4 x 1/4 x 1-11/16 |
| HB2093A* | 1.375 $^{+0}_{-.001}$ | 1.51 | 3.15 | 0.35 | 5/16 x 5/16 x 2-3/8 |

Input/Gearcase

| BC | C |
|-------|-------|
| 7.62 | 14.16 |
| 194 | 360 |
| 8.85 | 15.94 |
| 225 | 405 |
| 10.66 | 19.40 |
| 271 | 493 |
| 14.29 | 24.40 |
| 363 | 620 |
| 15.82 | 28.62 |
| 402 | 727 |

*** Output Styles**



Dimensions subject to change without notice



For safety and to comply with local and national safety codes, the purchaser or user must provide protective guards over all shaft extensions and devices mounted thereon.