



## FENNER W-series geared motor size 746

A modern modular designed aluminium wormbox available in a vast range of sizes and ratios for dependable cost effective solutions. The unit uses a patented modular lightweight aluminium gear case, which combines rigidity with strength to ensure a long reliable working life.

### Characteristics

**Series:** W

**Size:** 746

### Application

- Ratios from 7,5:1 to 100:1 up to 1.000Nm up to 15kW
- sizes in range Bore size range from 11mm to 45mm

### Construction

- Dimensionally interchangeable with the market leaders
- Versatile mounting
- Excellent mechanical strength whilst being especially lightweight
- Accepts standard IEC motors

| Size | Motor power<br>kW | Speed | Output<br>Torque<br>Nm | Rated torque<br>Nm | Service<br>Factor<br>(maximum) | Gear Ratio | Number of<br>poles | Mounting<br>position | Diameter<br>output shaft<br>mm | Article  |
|------|-------------------|-------|------------------------|--------------------|--------------------------------|------------|--------------------|----------------------|--------------------------------|----------|
| 746  | 0.37              | 4     | 466                    | 429                | 0.92                           | 240        | 6                  | B3                   | 35                             | 746A2512 |
| 746  | 0.37              | 6     | 384.4                  | 473                | 1.23                           | 180        | 6                  | B3                   | 35                             | 746A2412 |
| 746  | 0.37              | 7     | 343.6                  | 526                | 1.53                           | 150        | 6                  | B3                   | 35                             | 746A2312 |
| 746  | 0.37              | 10    | 209.7                  | 281                | 1.34                           | 100        | 6                  | B3                   | 35                             | 746A1212 |
| 746  | 0.37              | 12    | 183.3                  | 316                | 1.72                           | 80         | 6                  | B3                   | 35                             | 746A1112 |
| 746  | 0.55              | 6     | 571.4                  | 475                | 0.83                           | 180        | 6                  | B3                   | 35                             | 746A2417 |
| 746  | 0.55              | 7     | 510.8                  | 527                | 1.03                           | 150        | 6                  | B3                   | 35                             | 746A2317 |
| 746  | 0.55              | 8     | 395.6                  | 404                | 1.02                           | 180        | 4                  | B3                   | 35                             | 746A2416 |
| 746  | 0.55              | 8     | 436.4                  | 568                | 1.3                            | 120        | 6                  | B3                   | 35                             | 746A2217 |
| 746  | 0.55              | 10    | 311.7                  | 281                | 0.9                            | 100        | 6                  | B3                   | 35                             | 746A1217 |
| 746  | 0.55              | 10    | 352                    | 451                | 1.28                           | 150        | 4                  | B3                   | 35                             | 746A2316 |
| 746  | 0.55              | 12    | 272.4                  | 317                | 1.16                           | 80         | 6                  | B3                   | 35                             | 746A1117 |
| 746  | 0.55              | 12    | 295                    | 481                | 1.63                           | 120        | 4                  | B3                   | 35                             | 746A2216 |
| 746  | 0.55              | 15    | 219.8                  | 271                | 1.23                           | 100        | 4                  | B3                   | 35                             | 746A1216 |
| 746  | 0.55              | 16    | 221.7                  | 351                | 1.58                           | 60         | 6                  | B3                   | 35                             | 746A1017 |
| 746  | 0.55              | 18    | 187.8                  | 286                | 1.52                           | 80         | 4                  | B3                   | 35                             | 746A1116 |
| 746  | 0.55              | 19    | 196.3                  | 391                | 1.99                           | 50         | 6                  | B3                   | 35                             | 746A0917 |
| 746  | 0.75              | 8     | 539.5                  | 405                | 0.75                           | 180        | 4                  | B3                   | 35                             | 746A2418 |
| 746  | 0.75              | 10    | 480                    | 452                | 0.94                           | 150        | 4                  | B3                   | 35                             | 746A2318 |
| 746  | 0.75              | 12    | 402.3                  | 483                | 1.2                            | 120        | 4                  | B3                   | 35                             | 746A2218 |
| 746  | 0.75              | 15    | 299.7                  | 273                | 0.91                           | 100        | 4                  | B3                   | 35                             | 746A1218 |
| 746  | 0.75              | 16    | 297.4                  | 351                | 1.18                           | 60         | 6                  | B3                   | 35                             | 746A1023 |
| 746  | 0.75              | 18    | 256                    | 287                | 1.12                           | 80         | 4                  | B3                   | 35                             | 746A1118 |
| 746  | 0.75              | 19    | 263.3                  | 393                | 1.49                           | 50         | 6                  | B3                   | 35                             | 746A0923 |
| 746  | 0.75              | 24    | 210.3                  | 322                | 1.53                           | 60         | 4                  | B3                   | 35                             | 746A1018 |
| 746  | 0.75              | 24    | 219.9                  | 412                | 1.87                           | 40         | 6                  | B3                   | 35                             | 746A0823 |
| 746  | 0.75              | 28    | 166.9                  | 201                | 1.2                            | 100        | 2                  | B3                   | 35                             | 746A1219 |
| 746  | 0.75              | 29    | 182.9                  | 341                | 1.86                           | 50         | 4                  | B3                   | 35                             | 746A0918 |
| 746  | 0.75              | 31    | 174.2                  | 462                | 2.65                           | 30         | 6                  | B3                   | 35                             | 746A0723 |
| 746  | 0.75              | 35    | 141.7                  | 226                | 1.59                           | 80         | 2                  | B3                   | 35                             | 746A1119 |
| 746  | 1.1               | 16    | 436.1                  | 354                | 0.81                           | 60         | 6                  | B3                   | 35                             | 746A1027 |
| 746  | 1.1               | 19    | 386.1                  | 394                | 1.02                           | 50         | 6                  | B3                   | 35                             | 746A0927 |
| 746  | 1.1               | 24    | 302                    | 321                | 1.06                           | 60         | 4                  | B3                   | 35                             | 746A1024 |
| 746  | 1.1               | 24    | 322.5                  | 413                | 1.28                           | 40         | 6                  | B3                   | 35                             | 746A0827 |
| 746  | 1.1               | 28    | 244.8                  | 201                | 0.82                           | 100        | 2                  | B3                   | 35                             | 746A1220 |
| 746  | 1.1               | 29    | 262.6                  | 342                | 1.3                            | 50         | 4                  | B3                   | 35                             | 746A0924 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

| Size | Motor power<br>kW | Speed | Output<br>Torque<br>Nm | Rated torque<br>Nm | Service<br>Factor<br>(maximum) | Gear Ratio | Number of<br>poles | Mounting<br>position | Diameter<br>output shaft<br>mm | Article  |
|------|-------------------|-------|------------------------|--------------------|--------------------------------|------------|--------------------|----------------------|--------------------------------|----------|
| 746  | 1.1               | 31    | 255.5                  | 463                | 1.81                           | 30         | 6                  | B3                   | 35                             | 746A0727 |
| 746  | 1.1               | 35    | 207.9                  | 227                | 1.09                           | 80         | 2                  | B3                   | 35                             | 746A1120 |
| 746  | 1.1               | 36    | 218.9                  | 362                | 1.65                           | 40         | 4                  | B3                   | 35                             | 746A0824 |
| 746  | 1.1               | 37    | 224.3                  | 371                | 1.65                           | 25         | 6                  | B3                   | 35                             | 746A0627 |
| 746  | 1.5               | 24    | 411.9                  | 322                | 0.78                           | 60         | 4                  | B3                   | 35                             | 746A1028 |
| 746  | 1.5               | 29    | 358.1                  | 341                | 0.95                           | 50         | 4                  | B3                   | 35                             | 746A0928 |
| 746  | 1.5               | 32    | 342.9                  | 463                | 1.35                           | 30         | 6                  | B3                   | 35                             | 746A0737 |
| 746  | 1.5               | 36    | 298.4                  | 362                | 1.21                           | 40         | 4                  | B3                   | 35                             | 746A0828 |
| 746  | 1.5               | 38    | 301                    | 371                | 1.23                           | 25         | 6                  | B3                   | 35                             | 746A0637 |
| 746  | 1.5               | 47    | 246.9                  | 391                | 1.58                           | 20         | 6                  | B3                   | 35                             | 746A0537 |
| 746  | 1.5               | 48    | 225.2                  | 246                | 1.09                           | 60         | 2                  | B3                   | 35                             | 746A1026 |
| 746  | 1.5               | 48    | 232.8                  | 413                | 1.77                           | 30         | 4                  | B3                   | 35                             | 746A0728 |
| 746  | 1.5               | 57    | 192.7                  | 266                | 1.38                           | 50         | 2                  | B3                   | 35                             | 746A0926 |
| 746  | 1.5               | 58    | 203.9                  | 341                | 1.67                           | 25         | 4                  | B3                   | 35                             | 746A0628 |
| 746  | 1.5               | 63    | 192                    | 421                | 2.19                           | 15         | 6                  | B3                   | 35                             | 746A0437 |
| 746  | 1.5               | 72    | 167.1                  | 356                | 2.13                           | 20         | 4                  | B3                   | 35                             | 746A0528 |
| 746  | 1.5               | 94    | 132.6                  | 372                | 2.8                            | 10         | 6                  | B3                   | 35                             | 746A0337 |
| 746  | 2.2               | 47    | 362.1                  | 392                | 1.08                           | 20         | 6                  | B3                   | 35                             | 746A0545 |
| 746  | 2.2               | 48    | 345                    | 411                | 1.19                           | 30         | 4                  | B3                   | 35                             | 746A0736 |
| 746  | 2.2               | 57    | 281.1                  | 268                | 0.95                           | 50         | 2                  | B3                   | 35                             | 746A0929 |
| 746  | 2.2               | 57    | 302.3                  | 342                | 1.13                           | 25         | 4                  | B3                   | 35                             | 746A0636 |
| 746  | 2.2               | 63    | 281.6                  | 423                | 1.5                            | 15         | 6                  | B3                   | 35                             | 746A0445 |
| 746  | 2.2               | 71    | 233.8                  | 276                | 1.18                           | 40         | 2                  | B3                   | 35                             | 746A0829 |
| 746  | 2.2               | 72    | 247.7                  | 357                | 1.44                           | 20         | 4                  | B3                   | 35                             | 746A0536 |
| 746  | 2.2               | 94    | 194.5                  | 372                | 1.91                           | 10         | 6                  | B3                   | 35                             | 746A0345 |
| 746  | 2.2               | 95    | 182                    | 312                | 1.71                           | 30         | 2                  | B3                   | 35                             | 746A0729 |
| 746  | 2.2               | 95    | 190.2                  | 362                | 1.9                            | 15         | 4                  | B3                   | 35                             | 746A0436 |
| 746  | 2.2               | 114   | 157.2                  | 252                | 1.6                            | 25         | 2                  | B3                   | 35                             | 746A0629 |
| 746  | 2.2               | 126   | 149.2                  | 341                | 2.28                           | 7.5        | 6                  | B3                   | 35                             | 746A0245 |
| 746  | 2.2               | 142   | 128.7                  | 261                | 2.02                           | 20         | 2                  | B3                   | 35                             | 746A0529 |
| 746  | 2.2               | 143   | 131.2                  | 312                | 2.37                           | 10         | 4                  | B3                   | 35                             | 746A0336 |
| 746  | 2.2               | 190   | 99.5                   | 291                | 2.92                           | 7.5        | 4                  | B3                   | 35                             | 746A0236 |
| 746  | 3                 | 48    | 472.1                  | 411                | 0.87                           | 30         | 4                  | B3                   | 35                             | 746A0738 |
| 746  | 3                 | 57    | 413.6                  | 344                | 0.83                           | 25         | 4                  | B3                   | 35                             | 746A0638 |
| 746  | 3                 | 71    | 339                    | 356                | 1.05                           | 20         | 4                  | B3                   | 35                             | 746A0538 |
| 746  | 3                 | 95    | 260.3                  | 362                | 1.39                           | 15         | 4                  | B3                   | 35                             | 746A0438 |
| 746  | 3                 | 142   | 179.6                  | 311                | 1.73                           | 10         | 4                  | B3                   | 35                             | 746A0338 |
| 746  | 3                 | 190   | 136.2                  | 291                | 2.13                           | 7.5        | 4                  | B3                   | 35                             | 746A0238 |
| 746  | 3                 | 288   | 89.5                   | 236                | 2.63                           | 10         | 2                  | B3                   | 35                             | 746A0339 |
| 746  | 3                 | 384   | 68.7                   | 211                | 3.06                           | 7.5        | 2                  | B3                   | 35                             | 746A0239 |
| 746  | 4                 | 72    | 445.7                  | 357                | 0.8                            | 20         | 4                  | B3                   | 35                             | 746A0546 |
| 746  | 4                 | 96    | 342.2                  | 363                | 1.06                           | 15         | 4                  | B3                   | 35                             | 746A0446 |
| 746  | 4                 | 144   | 236.1                  | 312                | 1.32                           | 10         | 4                  | B3                   | 35                             | 746A0346 |
| 746  | 4                 | 192   | 179.1                  | 291                | 1.62                           | 7.5        | 4                  | B3                   | 35                             | 746A0246 |
| 746  | 4                 | 287   | 119.8                  | 237                | 1.97                           | 10         | 2                  | B3                   | 35                             | 746A0344 |
| 746  | 4                 | 383   | 91.8                   | 211                | 2.29                           | 7.5        | 2                  | B3                   | 35                             | 746A0244 |

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.