



## FENNER W-series geared motor size 744

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:** 744

### 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  |
|------|-------------------|-------|------------------------|--------------------|--------------------------------|------------|--------------------|----------------------|--------------------------------|----------|
| 744  | 0.18              | 3     | 220.2                  | 144                | 0.65                           | 300        | 6                  | B3                   | 25                             | 744A2605 |
| 744  | 0.18              | 4     | 199.3                  | 162                | 0.81                           | 240        | 6                  | B3                   | 25                             | 744A2505 |
| 744  | 0.18              | 5     | 170.4                  | 186                | 1.09                           | 180        | 6                  | B3                   | 25                             | 744A2405 |
| 744  | 0.18              | 6     | 153.6                  | 203                | 1.32                           | 150        | 6                  | B3                   | 25                             | 744A2305 |
| 744  | 0.18              | 8     | 132.1                  | 217                | 1.64                           | 120        | 6                  | B3                   | 25                             | 744A2205 |
| 744  | 0.25              | 5     | 221.2                  | 129                | 0.58                           | 300        | 4                  | B3                   | 25                             | 744A2606 |
| 744  | 0.25              | 6     | 198                    | 139                | 0.7                            | 240        | 4                  | B3                   | 25                             | 744A2506 |
| 744  | 0.25              | 6     | 210.9                  | 203                | 0.96                           | 150        | 6                  | B3                   | 25                             | 744A2307 |
| 744  | 0.25              | 8     | 167.5                  | 161                | 0.96                           | 180        | 4                  | B3                   | 25                             | 744A2406 |
| 744  | 0.25              | 8     | 181.5                  | 218                | 1.2                            | 120        | 6                  | B3                   | 25                             | 744A2207 |
| 744  | 0.25              | 10    | 147.5                  | 175                | 1.18                           | 150        | 4                  | B3                   | 25                             | 744A2306 |
| 744  | 0.25              | 12    | 128.5                  | 186                | 1.44                           | 120        | 4                  | B3                   | 25                             | 744A2206 |
| 744  | 0.25              | 14    | 89.5                   | 119                | 1.32                           | 100        | 4                  | B3                   | 25                             | 744A1206 |
| 744  | 0.25              | 17    | 80.1                   | 123                | 1.53                           | 80         | 4                  | B3                   | 25                             | 744A1106 |
| 744  | 0.25              | 23    | 65.3                   | 131                | 2                              | 60         | 4                  | B3                   | 25                             | 744A1006 |
| 744  | 0.25              | 28    | 57.9                   | 136                | 2.34                           | 50         | 4                  | B3                   | 25                             | 744A0906 |
| 744  | 0.37              | 10    | 217.4                  | 174                | 0.8                            | 150        | 4                  | B3                   | 25                             | 744A2308 |
| 744  | 0.37              | 12    | 189.5                  | 186                | 0.98                           | 120        | 4                  | B3                   | 25                             | 744A2208 |
| 744  | 0.37              | 16    | 135.1                  | 140                | 1.03                           | 60         | 6                  | B3                   | 25                             | 744A1012 |
| 744  | 0.37              | 19    | 118.4                  | 146                | 1.23                           | 50         | 6                  | B3                   | 25                             | 744A0912 |
| 744  | 0.37              | 23    | 101                    | 161                | 1.59                           | 40         | 6                  | B3                   | 25                             | 744A0812 |
| 744  | 0.37              | 31    | 81.6                   | 176                | 2.15                           | 30         | 6                  | B3                   | 25                             | 744A0712 |
| 744  | 0.37              | 37    | 72.8                   | 138                | 1.89                           | 25         | 6                  | B3                   | 25                             | 744A0612 |
| 744  | 0.37              | 46    | 59.8                   | 149                | 2.48                           | 20         | 6                  | B3                   | 25                             | 744A0512 |
| 744  | 0.55              | 23    | 150.1                  | 161                | 1.07                           | 40         | 6                  | B3                   | 25                             | 744A0817 |
| 744  | 0.55              | 24    | 138.6                  | 131                | 0.94                           | 60         | 4                  | B3                   | 25                             | 744A1016 |
| 744  | 0.55              | 28    | 109.6                  | 75                 | 0.68                           | 100        | 2                  | B3                   | 25                             | 744A1210 |
| 744  | 0.55              | 29    | 122.9                  | 136                | 1.1                            | 50         | 4                  | B3                   | 25                             | 744A0916 |
| 744  | 0.55              | 31    | 121.2                  | 176                | 1.45                           | 30         | 6                  | B3                   | 25                             | 744A0717 |
| 744  | 0.55              | 35    | 95.2                   | 86                 | 0.9                            | 80         | 2                  | B3                   | 25                             | 744A1110 |
| 744  | 0.55              | 36    | 104.3                  | 147                | 1.4                            | 40         | 4                  | B3                   | 25                             | 744A0816 |
| 744  | 0.55              | 37    | 108.2                  | 138                | 1.27                           | 25         | 6                  | B3                   | 25                             | 744A0617 |
| 744  | 0.55              | 46    | 88.9                   | 149                | 1.67                           | 20         | 6                  | B3                   | 25                             | 744A0517 |
| 744  | 0.55              | 47    | 77.1                   | 96                 | 1.24                           | 60         | 2                  | B3                   | 25                             | 744A1010 |
| 744  | 0.55              | 47    | 82.7                   | 161                | 1.94                           | 30         | 4                  | B3                   | 25                             | 744A0716 |
| 744  | 0.55              | 56    | 67.1                   | 101                | 1.5                            | 50         | 2                  | B3                   | 25                             | 744A0910 |

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| Size | Motor power | Speed | Output Torque | Rated torque | Service Factor (maximum) | Gear Ratio | Number of poles | Mounting position | Diameter output shaft | Article  |
|------|-------------|-------|---------------|--------------|--------------------------|------------|-----------------|-------------------|-----------------------|----------|
|      | kW          |       | Nm            | Nm           |                          |            |                 |                   | mm                    |          |
| 744  | 0.55        | 57    | 72.7          | 131          | 1.79                     | 25         | 4               | B3                | 25                    | 744A0616 |
| 744  | 0.55        | 61    | 70.1          | 156          | 2.22                     | 15         | 6               | B3                | 25                    | 744A0417 |
| 744  | 0.55        | 70    | 56.7          | 109          | 1.91                     | 40         | 2               | B3                | 25                    | 744A0810 |
| 744  | 0.55        | 71    | 60.4          | 136          | 2.24                     | 20         | 4               | B3                | 25                    | 744A0516 |
| 744  | 0.75        | 36    | 142.2         | 146          | 1.02                     | 40         | 4               | B3                | 25                    | 744A0818 |
| 744  | 0.75        | 47    | 104.8         | 96           | 0.91                     | 60         | 2               | B3                | 25                    | 744A1019 |
| 744  | 0.75        | 47    | 112.8         | 161          | 1.42                     | 30         | 4               | B3                | 25                    | 744A0718 |
| 744  | 0.75        | 56    | 91.1          | 101          | 1.1                      | 50         | 2               | B3                | 25                    | 744A0919 |
| 744  | 0.75        | 57    | 99.1          | 131          | 1.32                     | 25         | 4               | B3                | 25                    | 744A0618 |
| 744  | 0.75        | 70    | 77            | 109          | 1.41                     | 40         | 2               | B3                | 25                    | 744A0819 |
| 744  | 0.75        | 71    | 82.3          | 136          | 1.65                     | 20         | 4               | B3                | 25                    | 744A0518 |
| 744  | 0.75        | 93    | 60.1          | 121          | 2                        | 30         | 2               | B3                | 25                    | 744A0719 |
| 744  | 0.75        | 94    | 63.3          | 141          | 2.22                     | 15         | 4               | B3                | 25                    | 744A0418 |
| 744  | 0.75        | 112   | 52.6          | 93           | 1.75                     | 25         | 2               | B3                | 25                    | 744A0619 |
| 744  | 0.75        | 140   | 43.1          | 101          | 2.32                     | 20         | 2               | B3                | 25                    | 744A0519 |
| 744  | 1.1         | 70    | 113           | 109          | 0.96                     | 40         | 2               | B3                | 25                    | 744A0820 |
| 744  | 1.1         | 93    | 88.1          | 121          | 1.37                     | 30         | 2               | B3                | 25                    | 744A0720 |
| 744  | 1.1         | 112   | 77.2          | 93           | 1.2                      | 25         | 2               | B3                | 25                    | 744A0620 |
| 744  | 1.1         | 140   | 63.3          | 101          | 1.59                     | 20         | 2               | B3                | 25                    | 744A0520 |
| 744  | 1.1         | 186   | 48.6          | 104          | 2.13                     | 15         | 2               | B3                | 25                    | 744A0420 |

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