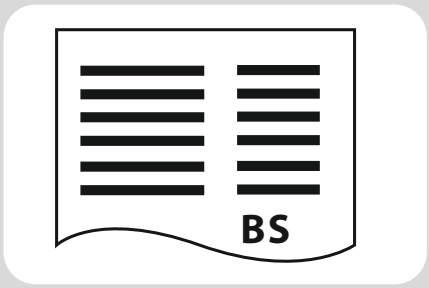


9

## BS-series worm-geared motors - Selection

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**Sizes**

Bauer BS-series worm-geared motors are normally supplied in eight frame sizes and with torques of 25 to 1,000 Nm. Higher torques are available on request. The gear unit is accommodated in a sturdy cast housing.

**Efficiency**

The efficiency of worm-geared motors depends on numerous factors, including lubrication, extent of wear, temperature and vibration. Calculated efficiency, therefore, is merely a guideline value. Please consult BAUER and state the boundary conditions if efficiency or self-locking capability are important factors for your application.

**Bauer service factors ($f_B$) for worm-geared motors**

Worm gears transmit torque by sliding friction only, which means that losses and temperature are inevitably higher than with helical-gear arrangements.

Of the numerous factors influencing the total loading of a worm-gear unit, the most important include:

- Mean torque (rated torque)
- Daily operating hours
- Severity of torque peaks (shock classification)
- Frequency of torque peaks (switching duty)
- Ambient temperature

These factors can be represented in a simplified and practical manner by **service factors**. The tables and explanations below attempt to provide an objective description of the **shock classification**, rather than a classification of the driven machinery. Experience has shown that, in addition to the torque shocks caused by the driven machinery ($M_x/M_N$), above all the power transmission components (clutches, chains etc.) plus the mass ratios play a decisive role in this.

See Bauer special imprint SD32 for more information.



**Continuous operation without switching frequency Z ≤1/h**

**Factor $f_1$** for shock classification and operating time

| Shock classification | Operating hours per day $t_d$ ≤10 min | ≤1 h | >1 h | >4 h | >8 h | >16 h |
|---|---|---|---|---|---|---|
| | | | ≤4 h | ≤8 h | ≤16 h | ≤24 h |
| I | 0.7 | 0.8 | 0.9 | 1.0 | 1.25 | 1.4 |
| II | 0.9 | 1.0 | 1.12 | 1.25 | 1.6 | 1.8 |
| III | 1.25 | 1.4 | 1.6 | 1.8 | 2.2 | 2.5 |

## Description of worm-gear units

**Switching duty**

**Factor $f_2$** or shock classification and switching frequency

Switching frequency in single- shift operation $t_d \leq 8$ h/d

| Shock classification | 1 <Z ≤100 | 100 <Z ≤1000 | 1000 <Z |
|---|---|---|---|
| I | 1.25 | 1.4 | 1.6 |
| II | 1.6 | 1.8 | 2.0 |
| III | 1.8 | 2.0 | 2.2 |

Switching frequency in multiple- shift operation $t_d > 8$ h/d

| Shock classification | 1 <Z ≤100 | 100 <Z ≤1000 | 1000 <Z |
|---|---|---|---|
| I | 1.4 | 1.6 | 1.8 |
| II | 1.8 | 2.0 | 2.2 |
| III | 2.0 | 2.2 | 2.5 |

**Ambient temperature**

**Factor $f_3$** for increased ambient temperature

| AT | -10°C .. +25°C | >25°C | >30°C | >35°C | >40°C | >45°C | >50°C | >55°C |
|---|---|---|---|---|---|---|---|---|
| | no Factor | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | Enquiry |

**Bauer service factor**

Bauer service factor $f_B$ = maximum value $f_1$, $f_2$, $f_3$ (at daily operating hours > 1h)

For example: Shock classification II for Z = 100 switching operations per hour and multiple-shift operation yields a service factor $f_B = f_2 = 1.8$



**Explanation of shock classification**

**Shock classification I:**
Uniform without shock loads. All the following requirements must be satisfied:
- FI ≤1.3
- $M_x/M_N \leq 1.0$
- Shock-absorbing power transmission components (e.g. highly resilient, zero-play coupling, $\phi$ N ≥5°)

**Shock classification II:**
Moderate shock loads. At least one of the following conditions applies:
- 1.3 <FI ≤2
- $1 \leq M_x/M_N \leq 1.4$
- Shock-neutral power transmission components (e.g. gear wheels, zero- playrigid coupling or resilient coupling with $\phi$ N <5 °)

**Shock classification III:**
Heavy shock loads. At least one of the following conditions applies:
- FI >2
- $1.4 < M_x/M_N \leq 2.0$
- Shock-amplifying power transmission components (e.g. coupling with play or chain drive)

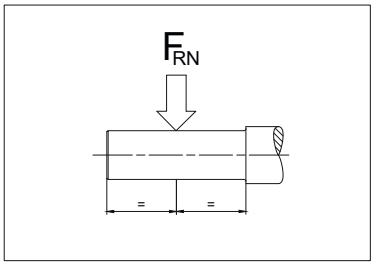
**Key to abbreviations**

| | |
|---|---|
| Z | Switching duty number of switching operations per hour |
| $t_d$ | Daily operating time in hours (h/d) |
| FI | Factor of inertia FI = $(J_{ext} + J_{rot})/J_{rot}$ |
| $J_{ext}$ | Mass moment of inertia of the machine to be driven, in relation to the motor's rotor shaft ($kgm^2$) |
| $J_{rot}$ | Mass moment of inertia of the motor rotor ($kgm^2$) |
| $M_x$ | Highest impact torque above the static torque which can occur during normal operation or in emergency situations |
| $M_N$ | Required static load torque for the application |
| $M_x/M_N$ | Relative torque - Factor |
| $\phi_N$ | Torsional offset of the resilient coupling under rated torque |
| UT | Ambient temperature (°C) |

**Selection tables, worm-geared motors**

**Key to abbreviations**

| | |
|---|---|
| P | Rated output |
| $n_2$ | Rated speed of the output shaft |
| i | Gear reduction ratio |
| $M_2$ | Rated torque at the output shaft |
| $f_B$ | Bauer Service factor |
| $F_{RN}$ | Maximum permissible radial force with standard solid shaft (Code -.1 und -.2) |



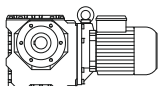

Use the selection tables to determine the size of geared motor required. The codes clearly define the Type of gear unit and output shaft (see chapter 13 “dimensional drawings worm-geared motors”).

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

**Motor power overload protection152**

Motor-power ratings, particularly in conjunction with four-stage and multi-stage gear units, are more than ample in some instances. Consequently, and in much the same way as with low-power motors, rated current is not a measure of gear loading and cannot be used to protect the gear unit against overloading. It is advisable to provide gears at risk from excessive load or blockage with a protective mechanism (e. g., slip clutch, slip hub, shear pin or an alternative).

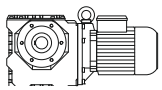
## 0.075 HP (0.055 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.075 HP (0.055 kW) | 152 | 8.9 | 25 | 2.8 | **BS02-../D04LA4** | 10.67 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 120 | 7.4 | 30 | 3.4 | **BS02-../D04LA4** | 13.50 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 90 | 5.8 | 38 | 4.3 | **BS02-../D04LA4** | 18.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 74 | 5.1 | 44 | 4.95 | **BS02-../D04LA4** | 22.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 60 | 4.5 | 49 | 5.5 | **BS02-../D04LA4** | 27.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 49.5 | 4.0 | 56 | 6.3 | **BS02-../D04LA4** | 33.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 38 | 2.8 | 75 | 8.5 | **BS02-../D04LA4** | 43.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 30 | 2.2 | 88 | 9.9 | **BS02-../D04LA4** | 54.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 26.5 | 2.9 | 117 | 13.2 | **BS04-../D04LA4** | 61.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 25.5 | 2.8 | 114 | 12.9 | **BS04-../D04LA4** | 64.06 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 23.5 | 1.75 | 100 | 11.3 | **BS02-../D04LA4** | 70.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.075 HP (0.055 kW) | 23 | 2.5 | 133 | 15 | **BS04-../D04LA4** | 71.18 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 21.5 | 2.6 | 132 | 14.9 | **BS04-../D04LA4** | 77.00 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 17.5 | 2.1 | 157 | 17.7 | **BS04-../D04LA4** | 93.92 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 16 | 1.8 | 186 | 21 | **BS04-../D04LA4** | 102.9 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 13.5 | 1.65 | 217 | 24.5 | **BS04-../D04LA4** | 123.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 12 | 1.55 | 239 | 27 | **BS04-../D04LA4** | 138.4 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 11 | 1.5 | 230 | 26 | **BS04-../D04LA4** | 150.3 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 10.5 | 1.2 | 270 | 30.5 | **BS04-../D04LA4** | 160.1 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 9.4 | 1.35 | 266 | 30 | **BS04-../D04LA4** | 174.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 9.4 | 2.9 | 296 | 33.5 | **BS06-../D04LA4** | 174.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 7.4 | 1.05 | 332 | 37.5 | **BS04-../D04LA4** | 220.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 7.4 | 2.4 | 367 | 41.5 | **BS06-../D04LA4** | 220.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 6.5 | 0.98 | 372 | 42 | **BS04-../D04LA4** | 251.6 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 6.5 | 2.1 | 412 | 46.5 | **BS06-../D04LA4** | 252.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 5.4 | 0.87 | 438 | 49.5 | **BS04-../D04LA4** | 300.7 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 5.4 | 3.2 | 531 | 60 | **BS10Z-../D04LA4** | 302.5 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 5.2 | 1.85 | 504 | 57 | **BS06-../D04LA4** | 315.3 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 4.8 | 0.81 | 478 | 54 | **BS04-../D04LA4** | 338.3 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.075 HP (0.055 kW) | 4.6 | 1.75 | 558 | 63 | **BS06-../D04LA4** | 358.9 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 4.5 | 2.6 | 637 | 72 | **BS10Z-../D04LA4** | 360.3 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 4.3 | 1.1 | 761 | 86 | **BS06G04-../D04LA4** | 381.5 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 3.9 | 1.5 | 655 | 74 | **BS06-../D04LA4** | 418.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.075 HP (0.055 kW) | 3.8 | 2.3 | 743 | 84 | **BS10Z-../D04LA4** | 432.4 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 3.5 | 0.89 | 938 | 106 | **BS06G04-../D04LA4** | 474.8 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 3.0 | 0.83 | 1062 | 120 | **BS06G04-../D04LA4** | 552.6 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 3.0 | 1.85 | 912 | 103 | **BS10Z-../D04LA4** | 544.8 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 2.7 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 610.7 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 2.7 | 3.1 | 929 | 105 | **BS20Z-../D04LA4** | 619.2 | 1798 | 8000 | - | - | 71 | 32 |
| 0.075 HP (0.055 kW) | 2.6 | 1.7 | 1000 | 113 | **BS10Z-../D04LA4** | 638.7 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 2.3 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 704.7 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 2.2 | 2.4 | 1133 | 128 | **BS20Z-../D04LA4** | 763.4 | 1798 | 8000 | - | - | 71 | 32 |
| 0.075 HP (0.055 kW) | 2.1 | 1.35 | 1195 | 135 | **BS10Z-../D04LA4** | 788.7 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 2.0 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 847.0 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 2.0 | 1.55 | 1531 | 173 | **BS20G06-../D04LA4** | 831.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 1.8 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 939.6 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 1.8 | 1.05 | 1363 | 154 | **BS10Z-../D04LA4** | 905.6 | 1349 | 6000 | - | - | 46 | 21 |
| 0.075 HP (0.055 kW) | 1.7 | 0.81 | 1744 | 197 | **BS10G06-../D04LA4** | 969.9 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 1.7 | 1.35 | 1770 | 200 | **BS20G06-../D04LA4** | 1000 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 1.6 | 2.2 | 1991 | 225 | **BS30G06-../D04LA4** | 1022 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 1.4 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 1170 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 1.4 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 1166 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 1.4 | 1.9 | 2257 | 255 | **BS30G06-../D04LA4** | 1176 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 1.3 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 1342 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 1.3 | 1.0 | 2345 | 265 | **BS20G06-../D04LA4** | 1311 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 1.2 | 1.65 | 2655 | 300 | **BS30G06-../D04LA4** | 1461 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 1.1 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 1503 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 1.1 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 1528 | 1349 | 6000 | - | - | 55 | 25 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

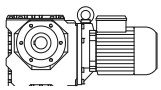
# 0.075 HP (0.055 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.075 HP (0.055 kW) | 1.1 | 0.86 | 2788 | 315 | **BS20G06-../D04LA4** | 1543 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 1.1 | 1.5 | 2876 | 325 | **BS30G06-../D04LA4** | 1576 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 1.0 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 1654 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 1.0 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 1668 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 1.0 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 1683 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.9 | 1.25 | 3540 | 400 | **BS30G06-../D04LA4** | 1886 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.85 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 1914 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.85 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 1963 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.85 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 2014 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.75 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 2200 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.75 | 1.0 | 4248 | 480 | **BS30G06-../D04LA4** | 2308 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.7 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 2348 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.7 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 2465 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.65 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 2635 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.65 | 1.0 | 4337* | 490* | **BS30G06-../D04LA4** | 2518 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.6 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 2768 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.6 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 2875 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.6 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 2857 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.6 | 1.0 | 4337* | 490* | **BS30G06-../D04LA4** | 2919 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.55 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 3007 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.55 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 3117 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.49 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 3308 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.49 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 3332 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.49 | 1.0 | 4337* | 490* | **BS30G06-../D04LA4** | 3344 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.46 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 3570 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.45 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 3635 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.45 | 1.0 | 4337* | 490* | **BS30G06-../D04LA4** | 3647 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.44 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 3721 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.4 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 4096 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.39 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 4163 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.39 | 1.0 | 4337* | 490* | **BS30G06-../D04LA4** | 4184 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.38 | 1.0 | 832* | 94* | **BS06G04-../D04LA4** | 4304 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.34 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 4776 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.34 | 1.0 | 4514* | 510* | **BS30G06-../D04LA4** | 4905 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.33 | 1.0 | 867* | 98* | **BS06G04-../D04LA4** | 4947 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.33 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 4910 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.32 | 1.0 | 1416* | 160* | **BS10G06-../D04LA4** | 5209 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.3 | 1.0 | 867* | 98* | **BS06G04-../D04LA4** | 5442 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.29 | 1.0 | 4602* | 520* | **BS30G06-../D04LA4** | 5783 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.28 | 1.0 | 2390* | 270* | **BS20G06-../D04LA4** | 5880 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.27 | 1.0 | 1452* | 164* | **BS10G06-../D04LA4** | 6019 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.26 | 1.0 | 885* | 100* | **BS06G04-../D04LA4** | 6234 | 787 | 3500 | - | - | 24 | 11 |
| 0.075 HP (0.055 kW) | 0.26 | 1.0 | 4602* | 520* | **BS30G06-../D04LA4** | 6308 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.25 | 1.0 | 1452* | 164* | **BS10G06-../D04LA4** | 6565 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.23 | 1.0 | 2434* | 275* | **BS20G06-../D04LA4** | 7363 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.23 | 1.0 | 4602* | 520* | **BS30G06-../D04LA4** | 7179 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.22 | 1.0 | 1452* | 164* | **BS10G06-../D04LA4** | 7471 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.21 | 1.0 | 2434* | 275* | **BS20G06-../D04LA4** | 8031 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.2 | 1.0 | 4602* | 520* | **BS30G06-../D04LA4** | 8362 | 2248 | 10000 | - | - | 117 | 53 |
| 0.075 HP (0.055 kW) | 0.19 | 1.0 | 1452* | 164* | **BS10G06-../D04LA4** | 8703 | 1349 | 6000 | - | - | 55 | 25 |
| 0.075 HP (0.055 kW) | 0.18 | 1.0 | 2478* | 280* | **BS20G06-../D04LA4** | 9220 | 1798 | 8000 | - | - | 77 | 35 |
| 0.075 HP (0.055 kW) | 0.16 | 1.0 | 2478* | 280* | **BS20G06-../D04LA4** | 10493 | 1798 | 8000 | - | - | 77 | 35 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

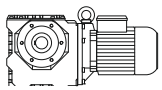
## 0.1 HP (0.075 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.1 HP (0.075 kW) | 355 | 8.5 | 16 | 1.77 | **BS02-../D04LA4** | 4.60 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 300 | 9.5 | 19 | 2.1 | **BS02-../D04LA4** | 5.40 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 240 | 9.8 | 23 | 2.55 | **BS02-../D04LA4** | 6.75 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 197 | 8.2 | 27 | 3.05 | **BS02-../D04LA4** | 8.25 | 247 | 1100 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 152 | 6.5 | 34 | 3.85 | **BS02-../D04LA4** | 10.67 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 120 | 5.4 | 41 | 4.65 | **BS02-../D04LA4** | 13.50 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 90 | 4.3 | 51 | 5.8 | **BS02-../D04LA4** | 18.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 74 | 3.7 | 59 | 6.7 | **BS02-../D04LA4** | 22.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 60 | 3.3 | 66 | 7.5 | **BS02-../D04LA4** | 27.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 49.5 | 2.9 | 76 | 8.6 | **BS02-../D04LA4** | 33.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 42.5 | 3.2 | 103 | 11.6 | **BS04-../D04LA4** | 38.42 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 38 | 2.1 | 103 | 11.6 | **BS02-../D04LA4** | 43.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 34 | 2.7 | 127 | 14.3 | **BS04-../D04LA4** | 47.86 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 30 | 1.6 | 120 | 13.6 | **BS02-../D04LA4** | 54.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 26.5 | 2.1 | 160 | 18.1 | **BS04-../D04LA4** | 61.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 25.5 | 2.0 | 156 | 17.6 | **BS04-../D04LA4** | 64.06 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 23.5 | 1.3 | 137 | 15.5 | **BS02-../D04LA4** | 70.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.1 HP (0.075 kW) | 23 | 1.85 | 181 | 20.5 | **BS04-../D04LA4** | 71.18 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 22 | 2.4 | 147 | 16.6 | **BS03-../D05LA4** | 75.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.1 HP (0.075 kW) | 21.5 | 1.9 | 177 | 20 | **BS04-../D04LA4** | 77.00 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 17.5 | 1.6 | 212 | 24 | **BS04-../D04LA4** | 93.92 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 16 | 1.35 | 252 | 28.5 | **BS04-../D04LA4** | 102.9 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 16 | 3.3 | 270 | 30.5 | **BS06-../D04LA4** | 103.1 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 14 | 2.8 | 292 | 33 | **BS06-../D04LA4** | 118.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 14 | 3.2 | 332 | 37.5 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.1 HP (0.075 kW) | 13.5 | 1.25 | 292 | 33 | **BS04-../D04LA4** | 123.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 13 | 2.8 | 323 | 36.5 | **BS06-../D04LA4** | 129.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 12 | 1.15 | 327 | 37 | **BS04-../D04LA4** | 138.4 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 11.5 | 2.7 | 354 | 40 | **BS06-../D04LA4** | 146.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 11 | 1.1 | 314 | 35.5 | **BS04-../D04LA4** | 150.3 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 10.5 | 0.89 | 367 | 41.5 | **BS04-../D04LA4** | 160.1 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 9.4 | 0.98 | 363 | 41 | **BS04-../D04LA4** | 174.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.1 HP (0.075 kW) | 9.4 | 2.2 | 403 | 45.5 | **BS06-../D04LA4** | 174.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 8.6 | 3.2 | 469 | 53 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.1 HP (0.075 kW) | 7.5 | 3.0 | 540 | 61 | **BS10-../D06LA4** | 216.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.1 HP (0.075 kW) | 7.4 | 1.7 | 504 | 57 | **BS06-../D04LA4** | 220.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 6.5 | 1.55 | 558 | 63 | **BS06-../D04LA4** | 252.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 6.4 | 2.5 | 628 | 71 | **BS10Z-../D06LA4** | 254.0 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 5.4 | 2.3 | 726 | 82 | **BS10Z-../D06LA4** | 302.5 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 5.2 | 1.35 | 690 | 78 | **BS06-../D04LA4** | 315.3 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 4.6 | 1.25 | 770 | 87 | **BS06-../D04LA4** | 358.9 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 4.6 | 3.3 | 850 | 96 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.1 HP (0.075 kW) | 4.5 | 1.95 | 867 | 98 | **BS10Z-../D06LA4** | 360.3 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 4.3 | 0.8 | 1044 | 118 | **BS06G04-../D04LA4** | 381.5 | 787 | 3500 | - | - | 24 | 11 |
| 0.1 HP (0.075 kW) | 3.9 | 1.1 | 894 | 101 | **BS06-../D04LA4** | 418.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.1 HP (0.075 kW) | 3.8 | 1.65 | 1009 | 114 | **BS10Z-../D06LA4** | 432.4 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 3.8 | 2.9 | 1009 | 114 | **BS20Z-../D06LA4** | 430.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.1 HP (0.075 kW) | 3.1 | 2.9 | 1124 | 127 | **BS20Z-../D06LA4** | 539.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.1 HP (0.075 kW) | 3.0 | 1.35 | 1239 | 140 | **BS10Z-../D06LA4** | 544.8 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 2.7 | 2.3 | 1266 | 143 | **BS20Z-../D06LA4** | 619.2 | 1798 | 8000 | - | - | 77 | 35 |
| 0.1 HP (0.075 kW) | 2.6 | 1.25 | 1363 | 154 | **BS10Z-../D06LA4** | 638.7 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 2.2 | 1.75 | 1549 | 175 | **BS20Z-../D06LA4** | 763.4 | 1798 | 8000 | - | - | 77 | 35 |
| 0.1 HP (0.075 kW) | 2.1 | 0.98 | 1629 | 184 | **BS10Z-../D06LA4** | 788.7 | 1349 | 6000 | - | - | 53 | 24 |
| 0.1 HP (0.075 kW) | 2.1 | 2.4 | 1744 | 197 | **BS30Z-../D06LA4** | 804.1 | 2248 | 10000 | - | - | 119 | 54 |
| 0.1 HP (0.075 kW) | 2.0 | 1.15 | 2080 | 235 | **BS20G06-../D06LA4** | 831.7 | 1798 | 8000 | - | - | 84 | 38 |
| 0.1 HP (0.075 kW) | 1.8 | 2.0 | 1991 | 225 | **BS30Z-../D06LA4** | 932.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.1 HP (0.075 kW) | 1.8 | 3.2 | 2036 | 230 | **BS40Z-../D06LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.1 HP (0.075 kW) | 1.7 | 0.98 | 2434 | 275 | **BS20G06-../D06LA4** | 1000 | 1798 | 8000 | - | - | 84 | 38 |

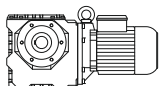
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.1 HP (0.075 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.1 HP (0.075 kW) | 1.7 | 3.0 | 2567 | 290 | **BS40G10-../D06LA4** | 965.5 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 1.6 | 1.6 | 2699 | 305 | **BS30G06-../D06LA4** | 1022 | 2248 | 10000 | - | - | 123 | 56 |
| 0.1 HP (0.075 kW) | 1.4 | 1.4 | 3098 | 350 | **BS30G06-../D06LA4** | 1176 | 2248 | 10000 | - | - | 123 | 56 |
| 0.1 HP (0.075 kW) | 1.4 | 2.5 | 3142 | 355 | **BS40G10-../D06LA4** | 1180 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 1.2 | 1.2 | 3629 | 410 | **BS30G06-../D06LA4** | 1461 | 2248 | 10000 | - | - | 123 | 56 |
| 0.1 HP (0.075 kW) | 1.1 | 1.1 | 3939 | 445 | **BS30G06-../D06LA4** | 1576 | 2248 | 10000 | - | - | 123 | 56 |
| 0.1 HP (0.075 kW) | 1.1 | 1.95 | 4027 | 455 | **BS40G10-../D06LA4** | 1499 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 0.95 | 1.7 | 4602 | 520 | **BS40G10-../D06LA4** | 1785 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 0.8 | 1.4 | 5487 | 620 | **BS40G10-../D06LA4** | 2126 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 0.75 | 1.35 | 5841 | 660 | **BS40G10-../D06LA4** | 2304 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 0.65 | 1.15 | 6815 | 770 | **BS40G10-../D06LA4** | 2552 | 3372 | 15000 | - | - | 161 | 73 |
| 0.1 HP (0.075 kW) | 0.6 | 1.05 | 7346 | 830 | **BS40G10-../D06LA4** | 2902 | 3372 | 15000 | - | - | 161 | 73 |

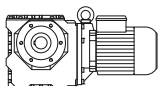
## 0.12 HP (0.09 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.12 HP (0.09 kW) | 355 | 7.1 | 19 | 2.1 | **BS02-../D04LA4** | 4.60 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 300 | 8.0 | 22 | 2.5 | **BS02-../D04LA4** | 5.40 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 240 | 8.2 | 27 | 3.05 | **BS02-../D04LA4** | 6.75 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 197 | 6.8 | 32 | 3.65 | **BS02-../D04LA4** | 8.25 | 247 | 1100 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 152 | 5.4 | 41 | 4.6 | **BS02-../D04LA4** | 10.67 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 120 | 4.5 | 49 | 5.5 | **BS02-../D04LA4** | 13.50 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 90 | 3.6 | 62 | 7.0 | **BS02-../D04LA4** | 18.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 74 | 3.1 | 72 | 8.1 | **BS02-../D04LA4** | 22.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 60 | 2.8 | 80 | 9.0 | **BS02-../D04LA4** | 27.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 52 | 3.3 | 102 | 11.5 | **BS04-../D04LA4** | 31.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 49.5 | 2.4 | 92 | 10.4 | **BS02-../D04LA4** | 33.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 42.5 | 2.7 | 123 | 13.9 | **BS04-../D04LA4** | 38.42 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 38 | 1.7 | 124 | 14 | **BS02-../D04LA4** | 43.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 34 | 2.2 | 151 | 17.1 | **BS04-../D04LA4** | 47.86 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 30 | 1.35 | 144 | 16.3 | **BS02-../D04LA4** | 54.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 26.5 | 2.8 | 151 | 17.1 | **BS03-../D05LA4** | 62.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.12 HP (0.09 kW) | 26.5 | 1.75 | 190 | 21.5 | **BS04-../D04LA4** | 61.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 25.5 | 1.7 | 186 | 21 | **BS04-../D04LA4** | 64.06 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 23.5 | 1.1 | 165 | 18.6 | **BS02-../D04LA4** | 70.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.12 HP (0.09 kW) | 23 | 1.55 | 217 | 24.5 | **BS04-../D04LA4** | 71.18 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 22 | 2.0 | 176 | 19.9 | **BS03-../D05LA4** | 75.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.12 HP (0.09 kW) | 21.5 | 1.6 | 212 | 24 | **BS04-../D04LA4** | 77.00 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 21.5 | 3.2 | 235 | 26.5 | **BS06-../D04LA4** | 77.00 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 18 | 3.0 | 292 | 33 | **BS06-../D04LA4** | 90.00 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 17.5 | 1.35 | 252 | 28.5 | **BS04-../D04LA4** | 93.92 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 16 | 1.1 | 301 | 34 | **BS04-../D04LA4** | 102.9 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 16 | 2.7 | 327 | 37 | **BS06-../D04LA4** | 103.1 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 14 | 2.4 | 350 | 39.5 | **BS06-../D04LA4** | 118.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 14 | 2.7 | 398 | 45 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.12 HP (0.09 kW) | 13.5 | 1.05 | 354 | 40 | **BS04-../D04LA4** | 123.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 13 | 2.4 | 389 | 44 | **BS06-../D04LA4** | 129.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 12 | 0.95 | 389 | 44 | **BS04-../D04LA4** | 138.4 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 11.5 | 2.2 | 429 | 48.5 | **BS06-../D04LA4** | 146.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 11 | 0.92 | 376 | 42.5 | **BS04-../D04LA4** | 150.3 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 11 | 3.3 | 443 | 50 | **BS10-../D06LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |

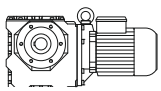
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.12 HP (0.09 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.12 HP (0.09 kW) | 9.4 | 0.82 | 434 | 49 | **BS04-../D04LA4** | 174.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.12 HP (0.09 kW) | 9.4 | 1.8 | 478 | 54 | **BS06-../D04LA4** | 174.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 8.6 | 2.7 | 558 | 63 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.12 HP (0.09 kW) | 7.5 | 2.5 | 646 | 73 | **BS10-../D06LA4** | 216.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.12 HP (0.09 kW) | 7.4 | 1.45 | 602 | 68 | **BS06-../D04LA4** | 220.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 6.5 | 1.3 | 673 | 76 | **BS06-../D04LA4** | 252.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 6.4 | 2.1 | 752 | 85 | **BS10Z-../D06LA4** | 254.0 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 5.4 | 1.95 | 867 | 98 | **BS10Z-../D06LA4** | 302.5 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 5.4 | 3.0 | 885 | 100 | **BS20Z-../D06LA4** | 300.1 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 5.2 | 1.15 | 832 | 94 | **BS06-../D04LA4** | 315.3 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 4.6 | 1.05 | 920 | 104 | **BS06-../D04LA4** | 358.9 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 4.6 | 2.8 | 1018 | 115 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 4.6 | 2.9 | 1221 | 138 | **BS30Z-../D06LA4** | 359.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.12 HP (0.09 kW) | 4.5 | 1.6 | 1044 | 118 | **BS10Z-../D06LA4** | 360.3 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 3.9 | 0.91 | 1071 | 121 | **BS06-../D04LA4** | 418.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.12 HP (0.09 kW) | 3.8 | 1.4 | 1213 | 137 | **BS10Z-../D06LA4** | 432.4 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 3.8 | 2.4 | 1213 | 137 | **BS20Z-../D06LA4** | 430.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 3.1 | 2.4 | 1345 | 152 | **BS20Z-../D06LA4** | 539.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 3.0 | 1.1 | 1496 | 169 | **BS10Z-../D06LA4** | 544.8 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 2.7 | 1.95 | 1513 | 171 | **BS20Z-../D06LA4** | 619.2 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 2.6 | 1.05 | 1637 | 185 | **BS10Z-../D06LA4** | 638.7 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 2.5 | 2.8 | 1814 | 205 | **BS30Z-../D06LA4** | 651.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.12 HP (0.09 kW) | 2.2 | 1.5 | 1859 | 210 | **BS20Z-../D06LA4** | 763.4 | 1798 | 8000 | - | - | 77 | 35 |
| 0.12 HP (0.09 kW) | 2.2 | 3.3 | 2036 | 230 | **BS40Z-../D06LA4** | 736.5 | 3372 | 15000 | - | - | 150 | 68 |
| 0.12 HP (0.09 kW) | 2.1 | 0.82 | 1947 | 220 | **BS10Z-../D06LA4** | 788.7 | 1349 | 6000 | - | - | 53 | 24 |
| 0.12 HP (0.09 kW) | 2.1 | 2.0 | 2080 | 235 | **BS30Z-../D06LA4** | 804.1 | 2248 | 10000 | - | - | 119 | 54 |
| 0.12 HP (0.09 kW) | 2.0 | 0.96 | 2478 | 280 | **BS20G06-../D06LA4** | 831.7 | 1798 | 8000 | - | - | 84 | 38 |
| 0.12 HP (0.09 kW) | 1.8 | 1.65 | 2390 | 270 | **BS30Z-../D06LA4** | 932.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.12 HP (0.09 kW) | 1.8 | 2.7 | 2478 | 280 | **BS40Z-../D06LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.12 HP (0.09 kW) | 1.7 | 0.82 | 2921 | 330 | **BS20G06-../D06LA4** | 1000 | 1798 | 8000 | - | - | 84 | 38 |
| 0.12 HP (0.09 kW) | 1.7 | 2.5 | 3098 | 350 | **BS40G10-../D06LA4** | 965.5 | 3372 | 15000 | - | - | 161 | 73 |
| 0.12 HP (0.09 kW) | 1.6 | 1.3 | 3275 | 370 | **BS30G06-../D06LA4** | 1022 | 2248 | 10000 | - | - | 123 | 56 |
| 0.12 HP (0.09 kW) | 1.4 | 1.15 | 3717 | 420 | **BS30G06-../D06LA4** | 1176 | 2248 | 10000 | - | - | 123 | 56 |
| 0.12 HP (0.09 kW) | 1.4 | 2.1 | 3762 | 425 | **BS40G10-../D06LA4** | 1180 | 3372 | 15000 | - | - | 161 | 73 |
| 0.12 HP (0.09 kW) | 1.2 | 1.0 | 4337 | 490 | **BS30G06-../D06LA4** | 1461 | 2248 | 10000 | - | - | 123 | 56 |
| 0.12 HP (0.09 kW) | 1.1 | 0.92 | 4691 | 530 | **BS30G06-../D06LA4** | 1576 | 2248 | 10000 | - | - | 123 | 56 |
| 0.12 HP (0.09 kW) | 1.1 | 1.65 | 4779 | 540 | **BS40G10-../D06LA4** | 1499 | 3372 | 15000 | - | - | 161 | 73 |
| 0.12 HP (0.09 kW) | 0.95 | 1.4 | 5576 | 630 | **BS40G10-../D06LA4** | 1785 | 3372 | 15000 | - | - | 161 | 73 |
| 0.12 HP (0.09 kW) | 0.8 | 1.15 | 6638 | 750 | **BS40G10-../D06LA4** | 2126 | 3372 | 15000 | - | - | 161 | 73 |
| 0.12 HP (0.09 kW) | 0.75 | 1.1 | 7081 | 800 | **BS40G10-../D06LA4** | 2304 | 3372 | 15000 | - | - | 161 | 73 |

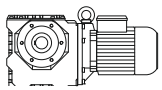
## 0.15 HP (0.11 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.15 HP (0.11 kW) | 355 | 5.8 | 23 | 2.6 | **BS02-../D04LA4** | 4.60 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 300 | 6.6 | 27 | 3.05 | **BS02-../D04LA4** | 5.40 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 240 | 6.7 | 33 | 3.75 | **BS02-../D04LA4** | 6.75 | 225 | 1000 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 197 | 5.6 | 39 | 4.45 | **BS02-../D04LA4** | 8.25 | 247 | 1100 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 152 | 4.5 | 50 | 5.6 | **BS02-../D04LA4** | 10.67 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 120 | 3.7 | 60 | 6.8 | **BS02-../D04LA4** | 13.50 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 90 | 2.9 | 76 | 8.6 | **BS02-../D04LA4** | 18.00 | 281 | 1250 | - | - | 8 | 3.5 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

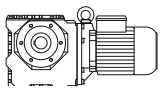
# 0.15 HP (0.11 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.15 HP (0.11 kW) | 74 | 2.5 | 88 | 9.9 | **BS02-../D04LA4** | 22.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 67 | 2.9 | 105 | 11.9 | **BS04-../D04LA4** | 24.25 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 62 | 3.2 | 106 | 12 | **BS04-../D04LA4** | 26.21 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 60 | 2.3 | 97 | 11 | **BS02-../D04LA4** | 27.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 52 | 2.7 | 125 | 14.1 | **BS04-../D04LA4** | 31.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 49.5 | 1.95 | 112 | 12.7 | **BS02-../D04LA4** | 33.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 42.5 | 2.2 | 150 | 17 | **BS04-../D04LA4** | 38.42 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 38 | 1.4 | 151 | 17.1 | **BS02-../D04LA4** | 43.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 34 | 1.8 | 186 | 21 | **BS04-../D04LA4** | 47.86 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 32.5 | 2.9 | 166 | 18.7 | **BS03-../D05LA4** | 50.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.15 HP (0.11 kW) | 30 | 1.1 | 176 | 19.9 | **BS02-../D04LA4** | 54.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 26.5 | 2.3 | 186 | 21 | **BS03-../D05LA4** | 62.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.15 HP (0.11 kW) | 26.5 | 1.45 | 235 | 26.5 | **BS04-../D04LA4** | 61.50 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 25.5 | 1.4 | 226 | 25.5 | **BS04-../D04LA4** | 64.06 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 25.5 | 2.9 | 248 | 28 | **BS06-../D04LA4** | 64.06 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 23.5 | 0.89 | 199 | 22.5 | **BS02-../D04LA4** | 70.00 | 281 | 1250 | - | - | 8 | 3.5 |
| 0.15 HP (0.11 kW) | 23 | 1.25 | 266 | 30 | **BS04-../D04LA4** | 71.18 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 23 | 2.9 | 283 | 32 | **BS06-../D04LA4** | 71.18 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 22 | 1.65 | 212 | 24 | **BS03-../D05LA4** | 75.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.15 HP (0.11 kW) | 21.5 | 1.3 | 261 | 29.5 | **BS04-../D04LA4** | 77.00 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 21.5 | 2.6 | 288 | 32.5 | **BS06-../D04LA4** | 77.00 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 18 | 2.4 | 358 | 40.5 | **BS06-../D04LA4** | 90.00 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 17.5 | 1.1 | 310 | 35 | **BS04-../D04LA4** | 93.92 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 16 | 0.9 | 372 | 42 | **BS04-../D04LA4** | 102.9 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 16 | 2.2 | 398 | 45 | **BS06-../D04LA4** | 103.1 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 14 | 1.95 | 429 | 48.5 | **BS06-../D04LA4** | 118.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 14 | 2.2 | 487 | 55 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.15 HP (0.11 kW) | 13.5 | 0.84 | 434 | 49 | **BS04-../D04LA4** | 123.0 | 506 | 2250 | - | - | 9 | 3.9 |
| 0.15 HP (0.11 kW) | 13 | 1.95 | 478 | 54 | **BS06-../D04LA4** | 129.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 12.5 | 3.1 | 469 | 53 | **BS10-../D06LA4** | 130.3 | 1349 | 6000 | - | - | 51 | 23 |
| 0.15 HP (0.11 kW) | 11.5 | 1.8 | 522 | 59 | **BS06-../D04LA4** | 146.8 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 11 | 2.7 | 540 | 61 | **BS10-../D06LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |
| 0.15 HP (0.11 kW) | 9.4 | 1.45 | 593 | 67 | **BS06-../D04LA4** | 174.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 8.6 | 2.2 | 690 | 78 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.15 HP (0.11 kW) | 7.5 | 2.0 | 788 | 89 | **BS10-../D06LA4** | 216.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.15 HP (0.11 kW) | 7.4 | 1.2 | 735 | 83 | **BS06-../D04LA4** | 220.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 7.2 | 3.1 | 823 | 93 | **BS20-../D06LA4** | 225.6 | 1798 | 8000 | - | - | 75 | 34 |
| 0.15 HP (0.11 kW) | 6.5 | 1.05 | 823 | 93 | **BS06-../D04LA4** | 252.0 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 6.4 | 1.7 | 929 | 105 | **BS10Z-../D06LA4** | 254.0 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 6.3 | 2.8 | 938 | 106 | **BS20Z-../D06LA4** | 257.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 5.4 | 1.6 | 1062 | 120 | **BS10Z-../D06LA4** | 302.5 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 5.4 | 2.5 | 1080 | 122 | **BS20Z-../D06LA4** | 300.1 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 5.2 | 0.92 | 1018 | 115 | **BS06-../D04LA4** | 315.3 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 4.6 | 0.87 | 1124 | 127 | **BS06-../D04LA4** | 358.9 | 787 | 3500 | - | - | 19 | 8.4 |
| 0.15 HP (0.11 kW) | 4.6 | 2.3 | 1248 | 141 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 4.6 | 2.4 | 1487 | 168 | **BS30Z-../D06LA4** | 359.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 4.5 | 1.3 | 1275 | 144 | **BS10Z-../D06LA4** | 360.3 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 3.8 | 1.15 | 1487 | 168 | **BS10Z-../D06LA4** | 432.4 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 3.8 | 1.95 | 1487 | 168 | **BS20Z-../D06LA4** | 430.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 3.6 | 3.2 | 1646 | 186 | **BS30Z-../D06LA4** | 457.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 3.1 | 1.95 | 1646 | 186 | **BS20Z-../D06LA4** | 539.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 3.1 | 2.8 | 1903 | 215 | **BS30Z-../D06LA4** | 539.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 3.0 | 0.93 | 1814 | 205 | **BS10Z-../D06LA4** | 544.8 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 2.7 | 1.55 | 1859 | 210 | **BS20Z-../D06LA4** | 619.2 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 2.6 | 0.84 | 1991 | 225 | **BS10Z-../D06LA4** | 638.7 | 1349 | 6000 | - | - | 53 | 24 |
| 0.15 HP (0.11 kW) | 2.5 | 2.3 | 2213 | 250 | **BS30Z-../D06LA4** | 651.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 2.2 | 1.2 | 2257 | 255 | **BS20Z-../D06LA4** | 763.4 | 1798 | 8000 | - | - | 77 | 35 |
| 0.15 HP (0.11 kW) | 2.2 | 2.7 | 2522 | 285 | **BS40Z-../D06LA4** | 736.5 | 3372 | 15000 | - | - | 150 | 68 |

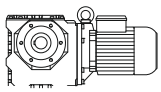
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.15 HP (0.11 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.15 HP (0.11 kW) | 2.1 | 1.65 | 2567 | 290 | **BS30Z-../D06LA4** | 804.1 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 1.8 | 1.35 | 2921 | 330 | **BS30Z-../D06LA4** | 932.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.15 HP (0.11 kW) | 1.8 | 2.2 | 3009 | 340 | **BS40Z-../D06LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.15 HP (0.11 kW) | 1.7 | 2.0 | 3806 | 430 | **BS40G10-../D06LA4** | 965.5 | 3372 | 15000 | - | - | 161 | 73 |
| 0.15 HP (0.11 kW) | 1.6 | 1.1 | 3983 | 450 | **BS30G06-../D06LA4** | 1022 | 2248 | 10000 | - | - | 123 | 56 |
| 0.15 HP (0.11 kW) | 1.4 | 0.96 | 4514 | 510 | **BS30G06-../D06LA4** | 1176 | 2248 | 10000 | - | - | 123 | 56 |
| 0.15 HP (0.11 kW) | 1.4 | 1.7 | 4602 | 520 | **BS40G10-../D06LA4** | 1180 | 3372 | 15000 | - | - | 161 | 73 |
| 0.15 HP (0.11 kW) | 1.2 | 0.82 | 5310 | 600 | **BS30G06-../D06LA4** | 1461 | 2248 | 10000 | - | - | 123 | 56 |
| 0.15 HP (0.11 kW) | 1.1 | 1.35 | 5841 | 660 | **BS40G10-../D06LA4** | 1499 | 3372 | 15000 | - | - | 161 | 73 |
| 0.15 HP (0.11 kW) | 0.95 | 1.15 | 6815 | 770 | **BS40G10-../D06LA4** | 1785 | 3372 | 15000 | - | - | 161 | 73 |

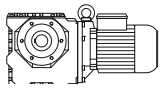
## 0.25 HP (0.18 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.25 HP (0.18 kW) | 355 | 3.5 | 38 | 4.25 | **BS02-../D05LA4** | 4.60 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 300 | 4.0 | 44 | 5.0 | **BS02-../D05LA4** | 5.40 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 240 | 4.1 | 54 | 6.1 | **BS02-../D05LA4** | 6.75 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 197 | 3.4 | 65 | 7.3 | **BS02-../D05LA4** | 8.25 | 247 | 1100 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 152 | 2.7 | 81 | 9.2 | **BS02-../D05LA4** | 10.67 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 124 | 3.1 | 94 | 10.6 | **BS04-../D05LA4** | 13.09 | 396 | 1760 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 120 | 2.3 | 98 | 11.1 | **BS02-../D05LA4** | 13.50 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 100 | 2.7 | 117 | 13.2 | **BS04-../D05LA4** | 16.31 | 443 | 1970 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 90 | 1.75 | 125 | 14.1 | **BS02-../D05LA4** | 18.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 90 | 2.5 | 119 | 13.5 | **BS04-../D05LA4** | 18.00 | 438 | 1950 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 78 | 2.2 | 148 | 16.7 | **BS04-../D05LA4** | 20.96 | 472 | 2100 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 74 | 1.55 | 143 | 16.2 | **BS02-../D05LA4** | 22.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 67 | 1.75 | 172 | 19.4 | **BS04-../D05LA4** | 24.25 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 65 | 3.0 | 161 | 18.2 | **BS03-../D05LA4** | 25.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 62 | 1.95 | 173 | 19.6 | **BS04-../D05LA4** | 26.21 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 60 | 1.4 | 159 | 18 | **BS02-../D05LA4** | 27.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 52 | 1.65 | 204 | 23 | **BS04-../D05LA4** | 31.50 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 52 | 3.3 | 212 | 24 | **BS06-../D05LA4** | 31.50 | 719 | 3200 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 49.5 | 1.2 | 181 | 20.5 | **BS02-../D05LA4** | 33.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 49.5 | 2.6 | 186 | 21 | **BS03-../D05LA4** | 33.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 42.5 | 1.35 | 243 | 27.5 | **BS04-../D05LA4** | 38.42 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 42 | 2.1 | 230 | 26 | **BS03-../D05LA4** | 39.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 39.5 | 2.8 | 274 | 31 | **BS06-../D05LA4** | 41.29 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 38 | 0.86 | 248 | 28 | **BS02-../D05LA4** | 43.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.25 HP (0.18 kW) | 34 | 1.1 | 301 | 34 | **BS04-../D05LA4** | 47.86 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 33.5 | 2.4 | 323 | 36.5 | **BS06-../D05LA4** | 48.60 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 32.5 | 1.8 | 270 | 30.5 | **BS03-../D05LA4** | 50.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 28 | 2.1 | 385 | 43.5 | **BS06-../D05LA4** | 58.15 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 26.5 | 1.4 | 301 | 34 | **BS03-../D05LA4** | 62.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 26.5 | 0.88 | 381 | 43 | **BS04-../D05LA4** | 61.50 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 25.5 | 0.86 | 372 | 42 | **BS04-../D05LA4** | 64.06 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.25 HP (0.18 kW) | 25.5 | 1.75 | 403 | 45.5 | **BS06-../D05LA4** | 64.06 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 23 | 1.75 | 469 | 53 | **BS06-../D05LA4** | 71.18 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 23 | 2.9 | 487 | 55 | **BS10-../D06LA4** | 71.96 | 1124 | 5000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 22 | 1.0 | 350 | 39.5 | **BS03-../D05LA4** | 75.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.25 HP (0.18 kW) | 21.5 | 1.6 | 469 | 53 | **BS06-../D05LA4** | 77.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 19.5 | 2.3 | 575 | 65 | **BS10-../D06LA4** | 84.36 | 1191 | 5300 | - | - | 51 | 23 |

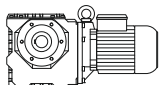
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.25 HP (0.18 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.25 HP (0.18 kW) | 18 | 1.5 | 584 | 66 | **BS06-../D05LA4** | 90.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 16.5 | 3.2 | 682 | 77 | **BS20-../D06LA4** | 101.1 | 1596 | 7100 | - | - | 75 | 34 |
| 0.25 HP (0.18 kW) | 16 | 1.35 | 655 | 74 | **BS06-../D05LA4** | 103.1 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 16 | 2.4 | 602 | 68 | **BS10-../D06LA4** | 103.4 | 1259 | 5600 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 14 | 1.2 | 699 | 79 | **BS06-../D05LA4** | 118.8 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 14 | 1.35 | 797 | 90 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 13 | 1.2 | 779 | 88 | **BS06-../D05LA4** | 129.0 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 13 | 3.1 | 770 | 87 | **BS20-../D06LA4** | 127.3 | 1798 | 8000 | - | - | 75 | 34 |
| 0.25 HP (0.18 kW) | 12.5 | 1.85 | 779 | 88 | **BS10-../D06LA4** | 130.3 | 1349 | 6000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 11.5 | 1.1 | 859 | 97 | **BS06-../D05LA4** | 146.8 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 11 | 1.65 | 885 | 100 | **BS10-../D06LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 10.5 | 2.5 | 956 | 108 | **BS20-../D06LA4** | 159.4 | 1798 | 8000 | - | - | 75 | 34 |
| 0.25 HP (0.18 kW) | 9.4 | 0.9 | 965 | 109 | **BS06-../D05LA4** | 174.0 | 787 | 3500 | - | - | 22 | 10 |
| 0.25 HP (0.18 kW) | 8.9 | 2.2 | 1124 | 127 | **BS20-../D06LA4** | 183.0 | 1798 | 8000 | - | - | 75 | 34 |
| 0.25 HP (0.18 kW) | 8.6 | 1.35 | 1124 | 127 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 7.7 | 3.1 | 1301 | 147 | **BS30Z-../D06LA4** | 211.1 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 7.5 | 1.25 | 1292 | 146 | **BS10-../D06LA4** | 216.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.25 HP (0.18 kW) | 7.2 | 1.9 | 1345 | 152 | **BS20-../D06LA4** | 225.6 | 1798 | 8000 | - | - | 75 | 34 |
| 0.25 HP (0.18 kW) | 6.4 | 1.05 | 1513 | 171 | **BS10Z-../D06LA4** | 254.0 | 1349 | 6000 | - | - | 53 | 24 |
| 0.25 HP (0.18 kW) | 6.3 | 1.7 | 1540 | 174 | **BS20Z-../D06LA4** | 257.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 6.2 | 3.1 | 1611 | 182 | **BS30Z-../D06LA4** | 261.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 5.7 | 3.3 | 1947 | 220 | **BS40Z-../D06LA4** | 287.7 | 3372 | 15000 | - | - | 150 | 68 |
| 0.25 HP (0.18 kW) | 5.4 | 0.96 | 1744 | 197 | **BS10Z-../D06LA4** | 302.5 | 1349 | 6000 | - | - | 53 | 24 |
| 0.25 HP (0.18 kW) | 5.4 | 1.5 | 1770 | 200 | **BS20Z-../D06LA4** | 300.1 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 5.3 | 2.8 | 1859 | 210 | **BS30Z-../D06LA4** | 306.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 4.6 | 1.4 | 2036 | 230 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 4.6 | 1.45 | 2434 | 275 | **BS30Z-../D06LA4** | 359.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 4.5 | 0.81 | 2080 | 235 | **BS10Z-../D06LA4** | 360.3 | 1349 | 6000 | - | - | 53 | 24 |
| 0.25 HP (0.18 kW) | 4.2 | 2.2 | 2345 | 265 | **BS30Z-../D06LA4** | 390.2 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 3.8 | 1.2 | 2434 | 275 | **BS20Z-../D06LA4** | 430.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 3.6 | 1.95 | 2699 | 305 | **BS30Z-../D06LA4** | 457.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 3.2 | 3.3 | 2965 | 335 | **BS40Z-../D06LA4** | 520.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.25 HP (0.18 kW) | 3.1 | 1.2 | 2655 | 300 | **BS20Z-../D06LA4** | 539.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 3.1 | 1.7 | 3098 | 350 | **BS30Z-../D06LA4** | 539.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 2.7 | 0.97 | 3009 | 340 | **BS20Z-../D06LA4** | 619.2 | 1798 | 8000 | - | - | 77 | 35 |
| 0.25 HP (0.18 kW) | 2.7 | 2.4 | 3408 | 385 | **BS40Z-../D06LA4** | 612.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.25 HP (0.18 kW) | 2.5 | 1.4 | 3629 | 410 | **BS30Z-../D06LA4** | 651.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 2.2 | 1.65 | 4116 | 465 | **BS40Z-../D06LA4** | 736.5 | 3372 | 15000 | - | - | 150 | 68 |
| 0.25 HP (0.18 kW) | 2.1 | 1.0 | 4160 | 470 | **BS30Z-../D06LA4** | 804.1 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 1.8 | 0.83 | 4779 | 540 | **BS30Z-../D06LA4** | 932.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.25 HP (0.18 kW) | 1.8 | 1.35 | 4956 | 560 | **BS40Z-../D06LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.25 HP (0.18 kW) | 1.7 | 1.25 | 6196 | 700 | **BS40G10-../D06LA4** | 965.5 | 3372 | 15000 | - | - | 161 | 73 |
| 0.25 HP (0.18 kW) | 1.4 | 1.05 | 7523 | 850 | **BS40G10-../D06LA4** | 1180 | 3372 | 15000 | - | - | 161 | 73 |
| 0.25 HP (0.18 kW) | 1.1 | 0.81 | 9647 | 1090 | **BS40G10-../D06LA4** | 1499 | 3372 | 15000 | - | - | 161 | 73 |

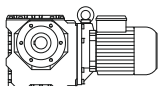
## 0.33 HP (0.25 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.33 HP (0.25 kW) | 355 | 2.5 | 52 | 5.9 | **BS02-../D05LA4** | 4.60 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 300 | 2.9 | 62 | 7.0 | **BS02-../D05LA4** | 5.40 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 240 | 2.9 | 75 | 8.5 | **BS02-../D05LA4** | 6.75 | 225 | 1000 | - | - | 12 | 5.3 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

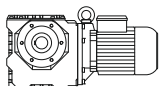
## 0.33 HP (0.25 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.33 HP (0.25 kW) | 197 | 2.5 | 89 | 10.1 | **BS02-../D05LA4** | 8.25 | 247 | 1100 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 182 | 2.9 | 90 | 10.2 | **BS04-../D05LA4** | 8.93 | 337 | 1500 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 152 | 1.95 | 113 | 12.8 | **BS02-../D05LA4** | 10.67 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 151 | 2.6 | 109 | 12.3 | **BS04-../D05LA4** | 10.73 | 360 | 1600 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 124 | 2.2 | 131 | 14.8 | **BS04-../D05LA4** | 13.09 | 396 | 1760 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 120 | 1.6 | 137 | 15.5 | **BS02-../D05LA4** | 13.50 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 100 | 1.9 | 162 | 18.3 | **BS04-../D05LA4** | 16.31 | 443 | 1970 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 90 | 1.3 | 173 | 19.6 | **BS02-../D05LA4** | 18.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 90 | 1.8 | 166 | 18.8 | **BS04-../D05LA4** | 18.00 | 438 | 1950 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 86 | 2.6 | 186 | 21 | **BS03-../D05LA4** | 19.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 82 | 3.3 | 204 | 23 | **BS06-../D05LA4** | 19.82 | 562 | 2500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 78 | 1.6 | 204 | 23 | **BS04-../D05LA4** | 20.96 | 472 | 2100 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 74 | 1.1 | 199 | 22.5 | **BS02-../D05LA4** | 22.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 67 | 1.25 | 239 | 27 | **BS04-../D05LA4** | 24.25 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 67 | 2.7 | 252 | 28.5 | **BS06-../D05LA4** | 24.25 | 585 | 2600 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 65 | 2.2 | 221 | 25 | **BS03-../D05LA4** | 25.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 62 | 1.4 | 239 | 27 | **BS04-../D05LA4** | 26.21 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 62 | 2.8 | 248 | 28 | **BS06-../D05LA4** | 26.21 | 674 | 3000 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 60 | 1.0 | 221 | 25 | **BS02-../D05LA4** | 27.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 52 | 1.2 | 283 | 32 | **BS04-../D05LA4** | 31.50 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 52 | 2.4 | 296 | 33.5 | **BS06-../D05LA4** | 31.50 | 719 | 3200 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 49.5 | 0.88 | 252 | 28.5 | **BS02-../D05LA4** | 33.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.33 HP (0.25 kW) | 49.5 | 1.9 | 257 | 29 | **BS03-../D05LA4** | 33.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 42.5 | 0.96 | 341 | 38.5 | **BS04-../D05LA4** | 38.42 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 42 | 1.55 | 319 | 36 | **BS03-../D05LA4** | 39.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 41 | 3.2 | 385 | 43.5 | **BS10-../D06LA4** | 39.96 | 854 | 3800 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 39.5 | 2.0 | 385 | 43.5 | **BS06-../D05LA4** | 41.29 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 34.5 | 2.8 | 451 | 51 | **BS10-../D06LA4** | 47.59 | 910 | 4050 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 34 | 0.8 | 420 | 47.5 | **BS04-../D05LA4** | 47.86 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.33 HP (0.25 kW) | 33.5 | 1.75 | 451 | 51 | **BS06-../D05LA4** | 48.60 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 32.5 | 1.3 | 376 | 42.5 | **BS03-../D05LA4** | 50.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 28.5 | 2.5 | 540 | 61 | **BS10-../D06LA4** | 57.12 | 978 | 4350 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 28 | 1.5 | 531 | 60 | **BS06-../D05LA4** | 58.15 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 27 | 2.5 | 522 | 59 | **BS10-../D06LA4** | 60.74 | 1023 | 4550 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 26.5 | 1.0 | 420 | 47.5 | **BS03-../D05LA4** | 62.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.33 HP (0.25 kW) | 25.5 | 1.25 | 558 | 63 | **BS06-../D05LA4** | 64.06 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 23 | 1.3 | 646 | 73 | **BS06-../D05LA4** | 71.18 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 23 | 2.1 | 673 | 76 | **BS10-../D06LA4** | 71.96 | 1124 | 5000 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 21.5 | 1.15 | 655 | 74 | **BS06-../D05LA4** | 77.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 19.5 | 1.65 | 797 | 90 | **BS10-../D06LA4** | 84.36 | 1191 | 5300 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 18.5 | 3.2 | 752 | 85 | **BS20-../D06LA4** | 88.67 | 1574 | 7000 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 18 | 1.05 | 814 | 92 | **BS06-../D05LA4** | 90.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 16.5 | 2.3 | 947 | 107 | **BS20-../D06LA4** | 101.1 | 1596 | 7100 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 16 | 0.98 | 903 | 102 | **BS06-../D05LA4** | 103.1 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 16 | 1.7 | 841 | 95 | **BS10-../D06LA4** | 103.4 | 1259 | 5600 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 15.5 | 2.7 | 894 | 101 | **BS20-../D06LA4** | 106.3 | 1709 | 7600 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 14 | 0.85 | 974 | 110 | **BS06-../D05LA4** | 118.8 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 14 | 0.96 | 1115 | 126 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 13 | 0.85 | 1089 | 123 | **BS06-../D05LA4** | 129.0 | 787 | 3500 | - | - | 22 | 10 |
| 0.33 HP (0.25 kW) | 13 | 2.2 | 1071 | 121 | **BS20-../D06LA4** | 127.3 | 1798 | 8000 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 12.5 | 1.35 | 1080 | 122 | **BS10-../D06LA4** | 130.3 | 1349 | 6000 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 11 | 1.2 | 1221 | 138 | **BS10-../D06LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 10.5 | 1.85 | 1328 | 150 | **BS20-../D06LA4** | 159.4 | 1798 | 8000 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 8.9 | 1.6 | 1567 | 177 | **BS20-../D06LA4** | 183.0 | 1798 | 8000 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 8.7 | 3.0 | 1602 | 181 | **BS30-../D06LA4** | 186.7 | 2248 | 10000 | - | - | 112 | 51 |
| 0.33 HP (0.25 kW) | 8.6 | 0.96 | 1567 | 177 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.33 HP (0.25 kW) | 8.3 | 3.3 | 1859 | 210 | **BS40Z-../D06LA4** | 197.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 7.5 | 0.9 | 1770 | 200 | **BS10-../D06LA4** | 216.6 | 1349 | 6000 | - | - | 51 | 23 |

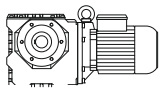
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.33 HP (0.25 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.33 HP (0.25 kW) | 7.5 | 2.5 | 1859 | 210 | **BS30-../D06LA4** | 216.4 | 2248 | 10000 | - | - | 112 | 51 |
| 0.33 HP (0.25 kW) | 7.2 | 1.4 | 1859 | 210 | **BS20-../D06LA4** | 225.6 | 1798 | 8000 | - | - | 75 | 34 |
| 0.33 HP (0.25 kW) | 6.3 | 1.25 | 2124 | 240 | **BS20Z-../D06LA4** | 257.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.33 HP (0.25 kW) | 6.2 | 2.2 | 2213 | 250 | **BS30Z-../D06LA4** | 261.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 5.7 | 2.3 | 2699 | 305 | **BS40Z-../D06LA4** | 287.7 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 5.4 | 1.1 | 2434 | 275 | **BS20Z-../D06LA4** | 300.1 | 1798 | 8000 | - | - | 77 | 35 |
| 0.33 HP (0.25 kW) | 5.3 | 2.0 | 2567 | 290 | **BS30Z-../D06LA4** | 306.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 4.6 | 1.0 | 2832 | 320 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.33 HP (0.25 kW) | 4.6 | 1.05 | 3363 | 380 | **BS30Z-../D06LA4** | 359.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 4.6 | 3.3 | 2876 | 325 | **BS40Z-../D06LA4** | 356.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 4.2 | 1.6 | 3231 | 365 | **BS30Z-../D06LA4** | 390.2 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 3.8 | 0.87 | 3363 | 380 | **BS20Z-../D06LA4** | 430.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.33 HP (0.25 kW) | 3.7 | 2.4 | 3585 | 405 | **BS40Z-../D06LA4** | 446.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 3.6 | 1.45 | 3717 | 420 | **BS30Z-../D06LA4** | 457.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 3.2 | 2.3 | 4160 | 470 | **BS40Z-../D06LA4** | 520.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 3.1 | 0.87 | 3717 | 420 | **BS20Z-../D06LA4** | 539.7 | 1798 | 8000 | - | - | 77 | 35 |
| 0.33 HP (0.25 kW) | 3.1 | 1.2 | 4337 | 490 | **BS30Z-../D06LA4** | 539.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 2.7 | 1.7 | 4691 | 530 | **BS40Z-../D06LA4** | 612.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 2.5 | 1.0 | 5045 | 570 | **BS30Z-../D06LA4** | 651.0 | 2248 | 10000 | - | - | 119 | 54 |
| 0.33 HP (0.25 kW) | 2.2 | 1.15 | 5753 | 650 | **BS40Z-../D06LA4** | 736.5 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 1.8 | 0.95 | 6904 | 780 | **BS40Z-../D06LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.33 HP (0.25 kW) | 1.7 | 0.9 | 8674 | 980 | **BS40G10-../D06LA4** | 965.5 | 3372 | 15000 | - | - | 161 | 73 |

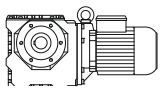
## 0.4 HP (0.3 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.4 HP (0.3 kW) | 355 | 2.1 | 63 | 7.1 | **BS02-../D05LA4** | 4.60 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 300 | 2.4 | 74 | 8.4 | **BS02-../D05LA4** | 5.40 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 265 | 3.1 | 74 | 8.4 | **BS04-../D05LA4** | 6.13 | 292 | 1300 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 240 | 2.5 | 90 | 10.2 | **BS02-../D05LA4** | 6.75 | 225 | 1000 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 197 | 2.0 | 108 | 12.2 | **BS02-../D05LA4** | 8.25 | 247 | 1100 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 182 | 2.5 | 108 | 12.2 | **BS04-../D05LA4** | 8.93 | 337 | 1500 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 152 | 1.6 | 136 | 15.4 | **BS02-../D05LA4** | 10.67 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 151 | 2.2 | 130 | 14.7 | **BS04-../D05LA4** | 10.73 | 360 | 1600 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 124 | 1.85 | 157 | 17.7 | **BS04-../D05LA4** | 13.09 | 396 | 1760 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 120 | 1.35 | 165 | 18.6 | **BS02-../D05LA4** | 13.50 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 120 | 3.0 | 165 | 18.6 | **BS03-../D05LA4** | 13.50 | 360 | 1600 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 100 | 1.6 | 195 | 22 | **BS04-../D05LA4** | 16.31 | 443 | 1970 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 98 | 3.1 | 204 | 23 | **BS06-../D05LA4** | 16.56 | 540 | 2400 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 90 | 1.05 | 208 | 23.5 | **BS02-../D05LA4** | 18.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 90 | 1.5 | 199 | 22.5 | **BS04-../D05LA4** | 18.00 | 438 | 1950 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 86 | 2.2 | 221 | 25 | **BS03-../D05LA4** | 19.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 82 | 2.7 | 243 | 27.5 | **BS06-../D05LA4** | 19.82 | 562 | 2500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 78 | 1.35 | 243 | 27.5 | **BS04-../D05LA4** | 20.96 | 472 | 2100 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 74 | 0.93 | 239 | 27 | **BS02-../D05LA4** | 22.00 | 281 | 1250 | - | - | 12 | 5.3 |
| 0.4 HP (0.3 kW) | 67 | 1.05 | 283 | 32 | **BS04-../D05LA4** | 24.25 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 67 | 2.3 | 301 | 34 | **BS06-../D05LA4** | 24.25 | 585 | 2600 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 65 | 1.85 | 266 | 30 | **BS03-../D05LA4** | 25.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 62 | 1.15 | 288 | 32.5 | **BS04-../D05LA4** | 26.21 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 62 | 2.3 | 296 | 33.5 | **BS06-../D05LA4** | 26.21 | 674 | 3000 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 60 | 0.83 | 266 | 30 | **BS02-../D05LA4** | 27.00 | 281 | 1250 | - | - | 12 | 5.3 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

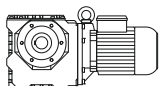
## 0.4 HP (0.3 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.4 HP (0.3 kW) | 52 | 0.99 | 341 | 38.5 | **BS04-../D05LA4** | 31.50 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 52 | 2.0 | 354 | 40 | **BS06-../D05LA4** | 31.50 | 719 | 3200 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 49.5 | 1.55 | 310 | 35 | **BS03-../D05LA4** | 33.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 48.5 | 3.0 | 394 | 44.5 | **BS10-../D06LA4** | 33.55 | 798 | 3550 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 42.5 | 0.8 | 412 | 46.5 | **BS04-../D05LA4** | 38.42 | 506 | 2250 | - | - | 13 | 5.8 |
| 0.4 HP (0.3 kW) | 42 | 1.25 | 385 | 43.5 | **BS03-../D05LA4** | 39.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 41 | 2.7 | 460 | 52 | **BS10-../D06LA4** | 39.96 | 854 | 3800 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 39.5 | 1.65 | 460 | 52 | **BS06-../D05LA4** | 41.29 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 34.5 | 2.3 | 549 | 62 | **BS10-../D06LA4** | 47.59 | 910 | 4050 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 33.5 | 1.45 | 540 | 61 | **BS06-../D05LA4** | 48.60 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 32.5 | 1.1 | 451 | 51 | **BS03-../D05LA4** | 50.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 28.5 | 2.0 | 655 | 74 | **BS10-../D06LA4** | 57.12 | 978 | 4350 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 28 | 1.25 | 637 | 72 | **BS06-../D05LA4** | 58.15 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 27 | 2.1 | 628 | 71 | **BS10-../D06LA4** | 60.74 | 1023 | 4550 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 26.5 | 0.84 | 504 | 57 | **BS03-../D05LA4** | 62.00 | 438 | 1950 | - | - | 12 | 5.4 |
| 0.4 HP (0.3 kW) | 25.5 | 1.05 | 673 | 76 | **BS06-../D05LA4** | 64.06 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 23.5 | 3.3 | 805 | 91 | **BS20-../D06LA4** | 70.30 | 1416 | 6300 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 23 | 1.05 | 779 | 88 | **BS06-../D05LA4** | 71.18 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 23 | 1.75 | 814 | 92 | **BS10-../D06LA4** | 71.96 | 1124 | 5000 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 21.5 | 0.96 | 788 | 89 | **BS06-../D05LA4** | 77.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 21.5 | 3.1 | 770 | 87 | **BS20-../D06LA4** | 76.18 | 1484 | 6600 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 19.5 | 1.4 | 956 | 108 | **BS10-../D06LA4** | 84.36 | 1191 | 5300 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 18.5 | 2.6 | 903 | 102 | **BS20-../D06LA4** | 88.67 | 1574 | 7000 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 18 | 0.88 | 982 | 111 | **BS06-../D05LA4** | 90.00 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 16.5 | 1.95 | 1133 | 128 | **BS20-../D06LA4** | 101.1 | 1596 | 7100 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 16 | 0.81 | 1089 | 123 | **BS06-../D05LA4** | 103.1 | 787 | 3500 | - | - | 22 | 10 |
| 0.4 HP (0.3 kW) | 16 | 1.4 | 1009 | 114 | **BS10-../D06LA4** | 103.4 | 1259 | 5600 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 15.5 | 2.2 | 1071 | 121 | **BS20-../D06LA4** | 106.3 | 1709 | 7600 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 14 | 0.8 | 1336 | 151 | **BS10-../D06LA4** | 119.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 13 | 1.85 | 1283 | 145 | **BS20-../D06LA4** | 127.3 | 1798 | 8000 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 12.5 | 1.1 | 1292 | 146 | **BS10-../D06LA4** | 130.3 | 1349 | 6000 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 11 | 0.99 | 1469 | 166 | **BS10-../D06LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 11 | 3.1 | 1540 | 174 | **BS30-../D06LA4** | 151.1 | 2136 | 9500 | - | - | 112 | 51 |
| 0.4 HP (0.3 kW) | 10.5 | 1.55 | 1593 | 180 | **BS20-../D06LA4** | 159.4 | 1798 | 8000 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 8.9 | 1.35 | 1859 | 210 | **BS20-../D06LA4** | 183.0 | 1798 | 8000 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 8.7 | 2.5 | 1903 | 215 | **BS30-../D06LA4** | 186.7 | 2248 | 10000 | - | - | 112 | 51 |
| 0.4 HP (0.3 kW) | 8.6 | 0.81 | 1859 | 210 | **BS10-../D06LA4** | 188.6 | 1349 | 6000 | - | - | 51 | 23 |
| 0.4 HP (0.3 kW) | 8.3 | 2.7 | 2257 | 255 | **BS40Z-../D06LA4** | 197.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 7.5 | 2.1 | 2213 | 250 | **BS30-../D06LA4** | 216.4 | 2248 | 10000 | - | - | 112 | 51 |
| 0.4 HP (0.3 kW) | 7.2 | 1.15 | 2213 | 250 | **BS20-../D06LA4** | 225.6 | 1798 | 8000 | - | - | 75 | 34 |
| 0.4 HP (0.3 kW) | 6.5 | 3.3 | 2434 | 275 | **BS40Z-../D06LA4** | 249.6 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 6.3 | 1.0 | 2567 | 290 | **BS20Z-../D06LA4** | 257.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.4 HP (0.3 kW) | 6.2 | 1.85 | 2655 | 300 | **BS30Z-../D06LA4** | 261.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 5.7 | 1.95 | 3275 | 370 | **BS40Z-../D06LA4** | 287.7 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 5.4 | 0.91 | 2921 | 330 | **BS20Z-../D06LA4** | 300.1 | 1798 | 8000 | - | - | 77 | 35 |
| 0.4 HP (0.3 kW) | 5.4 | 3.2 | 2921 | 330 | **BS40Z-../D06LA4** | 302.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 5.3 | 1.65 | 3098 | 350 | **BS30Z-../D06LA4** | 306.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 4.6 | 0.83 | 3408 | 385 | **BS20Z-../D06LA4** | 359.9 | 1798 | 8000 | - | - | 77 | 35 |
| 0.4 HP (0.3 kW) | 4.6 | 0.86 | 4071 | 460 | **BS30Z-../D06LA4** | 359.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 4.6 | 2.8 | 3452 | 390 | **BS40Z-../D06LA4** | 356.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 4.2 | 1.35 | 3894 | 440 | **BS30Z-../D06LA4** | 390.2 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 3.7 | 2.0 | 4293 | 485 | **BS40Z-../D06LA4** | 446.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 3.6 | 1.2 | 4425 | 500 | **BS30Z-../D06LA4** | 457.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 3.2 | 1.95 | 4956 | 560 | **BS40Z-../D07LA4** | 520.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 3.1 | 1.0 | 5222 | 590 | **BS30Z-../D07LA4** | 539.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.4 HP (0.3 kW) | 2.7 | 1.4 | 5664 | 640 | **BS40Z-../D07LA4** | 612.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 2.5 | 0.85 | 6019 | 680 | **BS30Z-../D07LA4** | 651.0 | 2248 | 10000 | - | - | 119 | 54 |

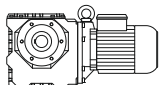
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.4 HP (0.3 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.4 HP (0.3 kW) | 2.2 | 0.97 | 6904 | 780 | **BS40Z-../D07LA4** | 736.5 | 3372 | 15000 | - | - | 150 | 68 |
| 0.4 HP (0.3 kW) | 1.8 | 0.8 | 8231 | 930 | **BS40Z-../D07LA4** | 908.2 | 3372 | 15000 | - | - | 150 | 68 |

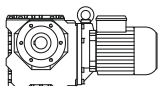
## 0.5 HP (0.37 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.5 HP (0.37 kW) | 355 | 1.7 | 77 | 8.7 | **BS02-../D07LA4** | 4.60 | 225 | 1000 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 300 | 1.95 | 91 | 10.3 | **BS02-../D07LA4** | 5.40 | 225 | 1000 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 265 | 2.5 | 92 | 10.4 | **BS04-../D07LA4** | 6.13 | 292 | 1300 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 240 | 2.0 | 112 | 12.6 | **BS02-../D07LA4** | 6.75 | 225 | 1000 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 197 | 1.65 | 133 | 15 | **BS02-../D07LA4** | 8.25 | 247 | 1100 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 182 | 2.0 | 134 | 15.1 | **BS04-../D07LA4** | 8.93 | 337 | 1500 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 152 | 1.3 | 168 | 19 | **BS02-../D07LA4** | 10.67 | 281 | 1250 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 151 | 1.75 | 161 | 18.2 | **BS04-../D07LA4** | 10.73 | 360 | 1600 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 124 | 1.55 | 190 | 21.5 | **BS04-../D07LA4** | 13.09 | 396 | 1760 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 120 | 1.1 | 199 | 22.5 | **BS02-../D07LA4** | 13.50 | 281 | 1250 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 120 | 2.4 | 199 | 22.5 | **BS03-../D07LA4** | 13.50 | 360 | 1600 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 116 | 2.8 | 217 | 24.5 | **BS06-../D07LA4** | 14.07 | 495 | 2200 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 100 | 1.3 | 239 | 27 | **BS04-../D07LA4** | 16.31 | 443 | 1970 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 98 | 2.5 | 252 | 28.5 | **BS06-../D07LA4** | 16.56 | 540 | 2400 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 90 | 0.86 | 257 | 29 | **BS02-../D07LA4** | 18.00 | 281 | 1250 | - | - | 15 | 6.8 |
| 0.5 HP (0.37 kW) | 90 | 1.25 | 243 | 27.5 | **BS04-../D07LA4** | 18.00 | 438 | 1950 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 86 | 1.75 | 274 | 31 | **BS03-../D07LA4** | 19.00 | 438 | 1950 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 82 | 2.2 | 301 | 34 | **BS06-../D07LA4** | 19.82 | 562 | 2500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 78 | 1.1 | 301 | 34 | **BS04-../D07LA4** | 20.96 | 472 | 2100 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 75 | 3.3 | 332 | 37.5 | **BS10-../D07LA4** | 21.61 | 674 | 3000 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 67 | 0.85 | 354 | 40 | **BS04-../D07LA4** | 24.25 | 506 | 2250 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 67 | 1.85 | 372 | 42 | **BS06-../D07LA4** | 24.25 | 585 | 2600 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 65 | 1.45 | 332 | 37.5 | **BS03-../D07LA4** | 25.00 | 438 | 1950 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 62 | 0.95 | 354 | 40 | **BS04-../D07LA4** | 26.21 | 506 | 2250 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 62 | 1.85 | 367 | 41.5 | **BS06-../D07LA4** | 26.21 | 674 | 3000 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 62 | 3.0 | 389 | 44 | **BS10-../D07LA4** | 26.42 | 731 | 3250 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 52 | 0.8 | 420 | 47.5 | **BS04-../D07LA4** | 31.50 | 506 | 2250 | - | - | 16 | 7.3 |
| 0.5 HP (0.37 kW) | 52 | 1.6 | 438 | 49.5 | **BS06-../D07LA4** | 31.50 | 719 | 3200 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 49.5 | 1.25 | 385 | 43.5 | **BS03-../D07LA4** | 33.00 | 438 | 1950 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 48.5 | 2.5 | 487 | 55 | **BS10-../D07LA4** | 33.55 | 798 | 3550 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 42 | 1.05 | 469 | 53 | **BS03-../D07LA4** | 39.00 | 438 | 1950 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 41 | 2.2 | 566 | 64 | **BS10-../D07LA4** | 39.96 | 854 | 3800 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 39.5 | 1.35 | 566 | 64 | **BS06-../D07LA4** | 41.29 | 787 | 3500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 34.5 | 1.9 | 673 | 76 | **BS10-../D07LA4** | 47.59 | 910 | 4050 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 33.5 | 1.15 | 664 | 75 | **BS06-../D07LA4** | 48.60 | 787 | 3500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 32.5 | 0.87 | 558 | 63 | **BS03-../D07LA4** | 50.00 | 438 | 1950 | - | - | 15 | 6.9 |
| 0.5 HP (0.37 kW) | 28.5 | 1.65 | 805 | 91 | **BS10-../D07LA4** | 57.12 | 978 | 4350 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 28 | 1.0 | 788 | 89 | **BS06-../D07LA4** | 58.15 | 787 | 3500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 28 | 3.0 | 832 | 94 | **BS20-../D07LA4** | 58.74 | 1326 | 5900 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 27 | 1.7 | 770 | 87 | **BS10-../D07LA4** | 60.74 | 1023 | 4550 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 25.5 | 0.85 | 832 | 94 | **BS06-../D07LA4** | 64.06 | 787 | 3500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 23.5 | 2.7 | 991 | 112 | **BS20-../D07LA4** | 70.30 | 1416 | 6300 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 23 | 0.86 | 965 | 109 | **BS06-../D07LA4** | 71.18 | 787 | 3500 | - | - | 26 | 12 |
| 0.5 HP (0.37 kW) | 23 | 1.4 | 1000 | 113 | **BS10-../D07LA4** | 71.96 | 1124 | 5000 | - | - | 51 | 23 |

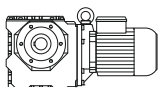
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 0.5 HP (0.37 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.5 HP (0.37 kW) | 21.5 | 2.5 | 956 | 108 | **BS20-../D07LA4** | 76.18 | 1484 | 6600 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 19.5 | 1.1 | 1186 | 134 | **BS10-../D07LA4** | 84.36 | 1191 | 5300 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 19.5 | 2.9 | 1230 | 139 | **BS30-../D07LA4** | 83.48 | 1529 | 6800 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 18.5 | 2.1 | 1115 | 126 | **BS20-../D07LA4** | 88.67 | 1574 | 7000 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 16.5 | 1.6 | 1398 | 158 | **BS20-../D07LA4** | 101.1 | 1596 | 7100 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 16 | 1.15 | 1248 | 141 | **BS10-../D07LA4** | 103.4 | 1259 | 5600 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 15.5 | 1.8 | 1328 | 150 | **BS20-../D07LA4** | 106.3 | 1709 | 7600 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 15.5 | 3.3 | 1372 | 155 | **BS30-../D07LA4** | 106.2 | 1843 | 8200 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 13 | 1.5 | 1584 | 179 | **BS20-../D07LA4** | 127.3 | 1798 | 8000 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 13 | 2.8 | 1629 | 184 | **BS30-../D07LA4** | 125.2 | 1956 | 8700 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 12.5 | 0.91 | 1593 | 180 | **BS10-../D07LA4** | 130.3 | 1349 | 6000 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 11 | 0.8 | 1814 | 205 | **BS10-../D07LA4** | 152.7 | 1349 | 6000 | - | - | 51 | 23 |
| 0.5 HP (0.37 kW) | 11 | 2.5 | 1903 | 215 | **BS30-../D07LA4** | 151.1 | 2136 | 9500 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 10.5 | 1.25 | 1947 | 220 | **BS20-../D07LA4** | 159.4 | 1798 | 8000 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 8.9 | 1.1 | 2301 | 260 | **BS20-../D07LA4** | 183.0 | 1798 | 8000 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 8.7 | 2.0 | 2345 | 265 | **BS30-../D07LA4** | 186.7 | 2248 | 10000 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 8.3 | 2.2 | 2788 | 315 | **BS40Z-../D07LA4** | 197.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 7.5 | 1.7 | 2744 | 310 | **BS30-../D07LA4** | 216.4 | 2248 | 10000 | - | - | 112 | 51 |
| 0.5 HP (0.37 kW) | 7.2 | 0.94 | 2744 | 310 | **BS20-../D07LA4** | 225.6 | 1798 | 8000 | - | - | 75 | 34 |
| 0.5 HP (0.37 kW) | 6.5 | 2.6 | 3009 | 340 | **BS40Z-../D07LA4** | 249.6 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 6.3 | 0.83 | 3142 | 355 | **BS20Z-../D07LA4** | 257.8 | 1798 | 8000 | - | - | 77 | 35 |
| 0.5 HP (0.37 kW) | 6.2 | 1.5 | 3319 | 375 | **BS30Z-../D07LA4** | 261.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.5 HP (0.37 kW) | 5.7 | 1.55 | 4027 | 455 | **BS40Z-../D07LA4** | 287.7 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 5.4 | 2.6 | 3629 | 410 | **BS40Z-../D07LA4** | 302.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 5.3 | 1.35 | 3806 | 430 | **BS30Z-../D07LA4** | 306.6 | 2248 | 10000 | - | - | 119 | 54 |
| 0.5 HP (0.37 kW) | 4.6 | 2.3 | 4248 | 480 | **BS40Z-../D07LA4** | 356.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 4.2 | 1.1 | 4779 | 540 | **BS30Z-../D07LA4** | 390.2 | 2248 | 10000 | - | - | 119 | 54 |
| 0.5 HP (0.37 kW) | 3.7 | 1.65 | 5310 | 600 | **BS40Z-../D07LA4** | 446.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 3.6 | 0.97 | 5487 | 620 | **BS30Z-../D07LA4** | 457.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.5 HP (0.37 kW) | 3.2 | 1.6 | 6107 | 690 | **BS40Z-../D07LA4** | 520.8 | 3372 | 15000 | - | - | 150 | 68 |
| 0.5 HP (0.37 kW) | 3.1 | 0.83 | 6373 | 720 | **BS30Z-../D07LA4** | 539.3 | 2248 | 10000 | - | - | 119 | 54 |
| 0.5 HP (0.37 kW) | 2.7 | 1.15 | 6992 | 790 | **BS40Z-../D07LA4** | 612.1 | 3372 | 15000 | - | - | 150 | 68 |

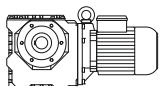
## 0.75 HP (0.55 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.75 HP (0.55 kW) | 370 | 3.2 | 110 | 12.4 | **BS03-../D08MA4** | 4.60 | 241 | 1070 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 280 | 2.7 | 146 | 16.5 | **BS03-../D08MA4** | 6.00 | 263 | 1170 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 210 | 2.2 | 190 | 21.5 | **BS03-../D08MA4** | 8.00 | 297 | 1320 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 189 | 2.8 | 199 | 22.5 | **BS06-../D08MA4** | 8.93 | 384 | 1710 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 168 | 2.0 | 230 | 26 | **BS03-../D08MA4** | 10.00 | 326 | 1450 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 157 | 2.4 | 239 | 27 | **BS06-../D08MA4** | 10.73 | 416 | 1850 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 125 | 1.7 | 288 | 32.5 | **BS03-../D08MA4** | 13.50 | 360 | 1600 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 120 | 1.95 | 310 | 35 | **BS06-../D08MA4** | 14.07 | 495 | 2200 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 102 | 1.75 | 363 | 41 | **BS06-../D08MA4** | 16.56 | 540 | 2400 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 100 | 2.9 | 372 | 42 | **BS10-../D08MA4** | 16.92 | 607 | 2700 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 89 | 1.25 | 394 | 44.5 | **BS03-../D08MA4** | 19.00 | 438 | 1950 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 85 | 1.55 | 434 | 49 | **BS06-../D08MA4** | 19.82 | 562 | 2500 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 78 | 2.4 | 469 | 53 | **BS10-../D08MA4** | 21.61 | 674 | 3000 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 75 | 2.4 | 425 | 48 | **BS10-../D08MA4** | 22.60 | 719 | 3200 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 70 | 1.3 | 531 | 60 | **BS06-../D08MA4** | 24.25 | 585 | 2600 | - | - | 35 | 16 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

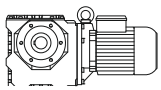
# 0.75 HP (0.55 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 0.75 HP (0.55 kW) | 68 | 1.05 | 469 | 53 | **BS03-../D08MA4** | 25.00 | 438 | 1950 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 65 | 1.35 | 513 | 58 | **BS06-../D08MA4** | 26.21 | 674 | 3000 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 64 | 2.0 | 566 | 64 | **BS10-../D08MA4** | 26.42 | 731 | 3250 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 55 | 2.0 | 575 | 65 | **BS10-../D08MA4** | 30.63 | 798 | 3550 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 54 | 1.15 | 628 | 71 | **BS06-../D08MA4** | 31.50 | 719 | 3200 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 51 | 0.89 | 549 | 62 | **BS03-../D08MA4** | 33.00 | 438 | 1950 | - | - | 22 | 10 |
| 0.75 HP (0.55 kW) | 51 | 1.75 | 690 | 78 | **BS10-../D08MA4** | 33.55 | 798 | 3550 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 42.5 | 1.5 | 814 | 92 | **BS10-../D08MA4** | 39.96 | 854 | 3800 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 42 | 2.9 | 797 | 90 | **BS20-../D08MA4** | 40.25 | 1191 | 5300 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 41 | 0.93 | 814 | 92 | **BS06-../D08MA4** | 41.29 | 787 | 3500 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 40 | 2.7 | 876 | 99 | **BS20-../D08MA4** | 42.08 | 1169 | 5200 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 35.5 | 1.3 | 974 | 110 | **BS10-../D08MA4** | 47.59 | 910 | 4050 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 35 | 0.81 | 956 | 108 | **BS06-../D08MA4** | 48.60 | 787 | 3500 | - | - | 35 | 16 |
| 0.75 HP (0.55 kW) | 34.5 | 2.4 | 1009 | 114 | **BS20-../D08MA4** | 48.98 | 1236 | 5500 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 33.5 | 2.6 | 929 | 105 | **BS20-../D08MA4** | 50.44 | 1281 | 5700 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 29.5 | 1.15 | 1159 | 131 | **BS10-../D08MA4** | 57.12 | 978 | 4350 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 29 | 2.1 | 1195 | 135 | **BS20-../D08MA4** | 58.74 | 1326 | 5900 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 29 | 3.3 | 1230 | 139 | **BS30-../D08MA4** | 58.64 | 1551 | 6900 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 28 | 1.2 | 1106 | 125 | **BS10-../D08MA4** | 60.74 | 1023 | 4550 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 24 | 1.85 | 1452 | 164 | **BS20-../D08MA4** | 70.30 | 1416 | 6300 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 24 | 3.1 | 1354 | 153 | **BS30-../D08MA4** | 71.17 | 1574 | 7000 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 23.5 | 0.97 | 1460 | 165 | **BS10-../D08MA4** | 71.96 | 1124 | 5000 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 22.5 | 1.75 | 1363 | 154 | **BS20-../D08MA4** | 76.18 | 1484 | 6600 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 20.5 | 2.1 | 1744 | 197 | **BS30-../D08MA4** | 83.48 | 1529 | 6800 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 19 | 1.5 | 1611 | 182 | **BS20-../D08MA4** | 88.67 | 1574 | 7000 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 19 | 2.6 | 1682 | 190 | **BS30-../D08MA4** | 90.59 | 1731 | 7700 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 17 | 1.1 | 1991 | 225 | **BS20-../D08MA4** | 101.1 | 1596 | 7100 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 16.5 | 0.8 | 1770 | 200 | **BS10-../D08MA4** | 103.4 | 1259 | 5600 | - | - | 60 | 27 |
| 0.75 HP (0.55 kW) | 16 | 1.25 | 1903 | 215 | **BS20-../D08MA4** | 106.3 | 1709 | 7600 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 16 | 2.3 | 1947 | 220 | **BS30-../D08MA4** | 106.2 | 1843 | 8200 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 13.5 | 1.05 | 2257 | 255 | **BS20-../D08MA4** | 127.3 | 1798 | 8000 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 13.5 | 2.0 | 2301 | 260 | **BS30-../D08MA4** | 125.2 | 1956 | 8700 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 11.5 | 1.75 | 2699 | 305 | **BS30-../D08MA4** | 151.1 | 2136 | 9500 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 11.5 | 3.3 | 2611 | 295 | **BS40-../D08MA4** | 148.1 | 3372 | 15000 | - | - | 150 | 68 |
| 0.75 HP (0.55 kW) | 11 | 0.87 | 2788 | 315 | **BS20-../D08MA4** | 159.4 | 1798 | 8000 | - | - | 82 | 37 |
| 0.75 HP (0.55 kW) | 9.5 | 2.3 | 3142 | 355 | **BS40-../D08MA4** | 178.2 | 3372 | 15000 | - | - | 150 | 68 |
| 0.75 HP (0.55 kW) | 9.0 | 1.4 | 3408 | 385 | **BS30-../D08MA4** | 186.7 | 2248 | 10000 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 7.8 | 1.2 | 3894 | 440 | **BS30-../D08MA4** | 216.4 | 2248 | 10000 | - | - | 121 | 55 |
| 0.75 HP (0.55 kW) | 7.7 | 1.85 | 3762 | 425 | **BS40-../D08MA4** | 219.7 | 3372 | 15000 | - | - | 150 | 68 |
| 0.75 HP (0.55 kW) | 6.8 | 1.85 | 4293 | 485 | **BS40Z-../D08MA4** | 249.6 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 6.5 | 1.05 | 4691 | 530 | **BS30Z-../D08MA4** | 261.6 | 2248 | 10000 | - | - | 128 | 58 |
| 0.75 HP (0.55 kW) | 5.9 | 1.1 | 5753 | 650 | **BS40Z-../D08MA4** | 287.7 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 5.6 | 1.8 | 5222 | 590 | **BS40Z-../D08MA4** | 302.1 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 5.5 | 0.94 | 5487 | 620 | **BS30Z-../D08MA4** | 306.6 | 2248 | 10000 | - | - | 128 | 58 |
| 0.75 HP (0.55 kW) | 4.8 | 1.6 | 6019 | 680 | **BS40Z-../D08MA4** | 356.8 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 3.8 | 1.15 | 7700 | 870 | **BS40Z-../D08MA4** | 446.8 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 3.3 | 1.1 | 8851 | 1000 | **BS40Z-../D08MA4** | 520.8 | 3372 | 15000 | - | - | 157 | 71 |
| 0.75 HP (0.55 kW) | 2.8 | 0.8 | 10090 | 1140 | **BS40Z-../D08MA4** | 612.1 | 3372 | 15000 | - | - | 157 | 71 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

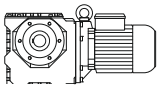
## 1 HP (0.75 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 1 HP (0.75 kW) | 380 | 2.4 | 146 | 16.5 | **BS03-../DPE08XB4** | 4.60 | 241 | 1070 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 290 | 2.0 | 190 | 21.5 | **BS03-../DPE08XB4** | 6.00 | 263 | 1170 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 265 | 2.6 | 190 | 21.5 | **BS06-../DPE08XB4** | 6.67 | 348 | 1550 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 220 | 1.75 | 243 | 27.5 | **BS03-../DPE08XB4** | 8.00 | 297 | 1320 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 195 | 2.1 | 261 | 29.5 | **BS06-../DPE08XB4** | 8.93 | 384 | 1710 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 174 | 1.5 | 305 | 34.5 | **BS03-../DPE08XB4** | 10.00 | 326 | 1450 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 162 | 1.85 | 314 | 35.5 | **BS06-../DPE08XB4** | 10.73 | 416 | 1850 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 139 | 2.6 | 363 | 41 | **BS10-../DPE08XB4** | 12.49 | 540 | 2400 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 129 | 1.3 | 381 | 43 | **BS03-../DPE08XB4** | 13.50 | 360 | 1600 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 124 | 1.45 | 412 | 46.5 | **BS06-../DPE08XB4** | 14.07 | 495 | 2200 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 105 | 1.35 | 478 | 54 | **BS06-../DPE08XB4** | 16.56 | 540 | 2400 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 103 | 2.2 | 487 | 55 | **BS10-../DPE08XB4** | 16.92 | 607 | 2700 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 92 | 0.93 | 522 | 59 | **BS03-../DPE08XB4** | 19.00 | 438 | 1950 | - | - | 29 | 13 |
| 1 HP (0.75 kW) | 88 | 1.15 | 575 | 65 | **BS06-../DPE08XB4** | 19.82 | 562 | 2500 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 81 | 1.8 | 620 | 70 | **BS10-../DPE08XB4** | 21.61 | 674 | 3000 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 79 | 3.2 | 646 | 73 | **BS20-../DPE08XB4** | 22.23 | 922 | 4100 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 77 | 1.85 | 566 | 64 | **BS10-../DPE08XB4** | 22.60 | 719 | 3200 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 72 | 0.97 | 699 | 79 | **BS06-../DPE08XB4** | 24.25 | 585 | 2600 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 67 | 0.99 | 690 | 78 | **BS06-../DPE08XB4** | 26.21 | 674 | 3000 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 66 | 1.55 | 743 | 84 | **BS10-../DPE08XB4** | 26.42 | 731 | 3250 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 63 | 2.8 | 779 | 88 | **BS20-../DPE08XB4** | 27.86 | 1000 | 4450 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 57 | 1.5 | 761 | 86 | **BS10-../DPE08XB4** | 30.63 | 798 | 3550 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 57 | 2.8 | 797 | 90 | **BS20-../DPE08XB4** | 30.63 | 1068 | 4750 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 56 | 0.86 | 823 | 93 | **BS06-../DPE08XB4** | 31.50 | 719 | 3200 | - | - | 42 | 19 |
| 1 HP (0.75 kW) | 53 | 2.6 | 920 | 104 | **BS20-../DPE08XB4** | 32.87 | 1068 | 4750 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 52 | 1.3 | 920 | 104 | **BS10-../DPE08XB4** | 33.55 | 798 | 3550 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 44.5 | 3.3 | 1151 | 130 | **BS30-../DPE08XB4** | 39.31 | 1236 | 5500 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 43.5 | 1.15 | 1089 | 123 | **BS10-../DPE08XB4** | 39.96 | 854 | 3800 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 43.5 | 2.2 | 1044 | 118 | **BS20-../DPE08XB4** | 40.25 | 1191 | 5300 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 41.5 | 2.1 | 1159 | 131 | **BS20-../DPE08XB4** | 42.08 | 1169 | 5200 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 36.5 | 0.99 | 1301 | 147 | **BS10-../DPE08XB4** | 47.59 | 910 | 4050 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 35.5 | 1.8 | 1336 | 151 | **BS20-../DPE08XB4** | 48.98 | 1236 | 5500 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 35 | 2.9 | 1390 | 157 | **BS30-../DPE08XB4** | 50.04 | 1326 | 5900 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 34.5 | 1.95 | 1230 | 139 | **BS20-../DPE08XB4** | 50.44 | 1281 | 5700 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 30.5 | 0.87 | 1531 | 173 | **BS10-../DPE08XB4** | 57.12 | 978 | 4350 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 30 | 1.55 | 1584 | 179 | **BS20-../DPE08XB4** | 58.74 | 1326 | 5900 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 30 | 2.5 | 1620 | 183 | **BS30-../DPE08XB4** | 58.64 | 1551 | 6900 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 29 | 0.91 | 1460 | 165 | **BS10-../DPE08XB4** | 60.74 | 1023 | 4550 | - | - | 66 | 30 |
| 1 HP (0.75 kW) | 25 | 1.45 | 1859 | 210 | **BS20-../DPE08XB4** | 70.30 | 1416 | 6300 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 24.5 | 2.4 | 1770 | 200 | **BS30-../DPE08XB4** | 71.17 | 1574 | 7000 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 23 | 1.3 | 1814 | 205 | **BS20-../DPE08XB4** | 76.18 | 1484 | 6600 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 21 | 1.55 | 2301 | 260 | **BS30-../DPE08XB4** | 83.48 | 1529 | 6800 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 20 | 1.15 | 2080 | 235 | **BS20-../DPE08XB4** | 88.67 | 1574 | 7000 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 19.5 | 1.95 | 2213 | 250 | **BS30-../DPE08XB4** | 90.59 | 1731 | 7700 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 17.5 | 0.83 | 2655 | 300 | **BS20-../DPE08XB4** | 101.1 | 1596 | 7100 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 16.5 | 0.95 | 2522 | 285 | **BS20-../DPE08XB4** | 106.3 | 1709 | 7600 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 16.5 | 1.75 | 2611 | 295 | **BS30-../DPE08XB4** | 106.2 | 1843 | 8200 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 16.5 | 3.3 | 2567 | 290 | **BS40-../DPE08XB4** | 108.1 | 3147 | 14000 | - | - | 157 | 71 |
| 1 HP (0.75 kW) | 14 | 0.81 | 2965 | 335 | **BS20-../DPE08XB4** | 127.3 | 1798 | 8000 | - | - | 88 | 40 |
| 1 HP (0.75 kW) | 14 | 1.5 | 3054 | 345 | **BS30-../DPE08XB4** | 125.2 | 1956 | 8700 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 14 | 2.9 | 3009 | 340 | **BS40-../DPE08XB4** | 126.0 | 3350 | 14900 | - | - | 157 | 71 |
| 1 HP (0.75 kW) | 12 | 2.5 | 3408 | 385 | **BS40-../DPE08XB4** | 148.1 | 3372 | 15000 | - | - | 157 | 71 |
| 1 HP (0.75 kW) | 11.5 | 1.3 | 3673 | 415 | **BS30-../DPE08XB4** | 151.1 | 2136 | 9500 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 9.8 | 1.7 | 4204 | 475 | **BS40-../DPE08XB4** | 178.2 | 3372 | 15000 | - | - | 157 | 71 |
| 1 HP (0.75 kW) | 9.3 | 1.1 | 4425 | 500 | **BS30-../DPE08XB4** | 186.7 | 2248 | 10000 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 8.1 | 0.9 | 5133 | 580 | **BS30-../DPE08XB4** | 216.4 | 2248 | 10000 | - | - | 128 | 58 |
| 1 HP (0.75 kW) | 7.9 | 1.4 | 5045 | 570 | **BS40-../DPE08XB4** | 219.7 | 3372 | 15000 | - | - | 157 | 71 |
| 1 HP (0.75 kW) | 7.0 | 1.4 | 5664 | 640 | **BS40Z-../DPE08XB4** | 249.6 | 3372 | 15000 | - | - | 163 | 74 |

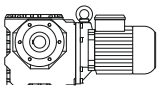
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 1 HP (0.75 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 1 HP (0.75 kW) | 6.7 | 0.8 | 6196 | 700 | **BS30Z-../DPE08XB4** | 261.6 | 2248 | 10000 | - | - | 132 | 60 |
| 1 HP (0.75 kW) | 6.1 | 0.83 | 7612 | 860 | **BS40Z-../DPE08XB4** | 287.7 | 3372 | 15000 | - | - | 163 | 74 |
| 1 HP (0.75 kW) | 5.8 | 1.4 | 6815 | 770 | **BS40Z-../DPE08XB4** | 302.1 | 3372 | 15000 | - | - | 163 | 74 |
| 1 HP (0.75 kW) | 4.9 | 1.15 | 8143 | 920 | **BS40Z-../DPE08XB4** | 356.8 | 3372 | 15000 | - | - | 163 | 74 |
| 1 HP (0.75 kW) | 3.9 | 0.86 | 10178 | 1150 | **BS40Z-../DPE08XB4** | 446.8 | 3372 | 15000 | - | - | 163 | 74 |
| 1 HP (0.75 kW) | 3.4 | 0.83 | 11683 | 1320 | **BS40Z-../DPE08XB4** | 520.8 | 3372 | 15000 | - | - | 163 | 74 |

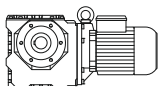
## 1.5 HP (1.1 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 1.5 HP (1.1 kW) | 141 | 1.85 | 522 | 59 | **BS10-../DPE09XB4** | 12.49 | 540 | 2400 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 138 | 3.3 | 540 | 61 | **BS20-../DPE09XB4** | 12.77 | 753 | 3350 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 104 | 1.5 | 708 | 80 | **BS10-../DPE09XB4** | 16.92 | 607 | 2700 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 104 | 2.7 | 717 | 81 | **BS20-../DPE09XB4** | 16.92 | 832 | 3700 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 82 | 1.25 | 903 | 102 | **BS10-../DPE09XB4** | 21.61 | 674 | 3000 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 79 | 2.1 | 947 | 107 | **BS20-../DPE09XB4** | 22.23 | 922 | 4100 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 78 | 1.25 | 814 | 92 | **BS10-../DPE09XB4** | 22.60 | 719 | 3200 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 76 | 2.3 | 876 | 99 | **BS20-../DPE09XB4** | 23.13 | 967 | 4300 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 67 | 1.05 | 1080 | 122 | **BS10-../DPE09XB4** | 26.42 | 731 | 3250 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 65 | 3.0 | 1186 | 134 | **BS30-../DPE09XB4** | 27.07 | 1068 | 4750 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 63 | 1.9 | 1151 | 130 | **BS20-../DPE09XB4** | 27.86 | 1000 | 4450 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 58 | 1.05 | 1097 | 124 | **BS10-../DPE09XB4** | 30.63 | 798 | 3550 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 58 | 1.9 | 1151 | 130 | **BS20-../DPE09XB4** | 30.63 | 1068 | 4750 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 58 | 3.0 | 1195 | 135 | **BS30-../DPE09XB4** | 30.63 | 1124 | 5000 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 54 | 1.8 | 1319 | 149 | **BS20-../DPE09XB4** | 32.87 | 1068 | 4750 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 53 | 0.9 | 1328 | 150 | **BS10-../DPE09XB4** | 33.55 | 798 | 3550 | - | - | 88 | 40 |
| 1.5 HP (1.1 kW) | 53 | 2.6 | 1434 | 162 | **BS30-../DPE09XB4** | 33.55 | 1169 | 5200 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 46.5 | 2.5 | 1496 | 169 | **BS30-../DPE09XB4** | 37.92 | 1236 | 5500 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 45 | 2.3 | 1673 | 189 | **BS30-../DPE09XB4** | 39.31 | 1236 | 5500 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 44 | 1.5 | 1513 | 171 | **BS20-../DPE09XB4** | 40.25 | 1191 | 5300 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 42 | 1.4 | 1682 | 190 | **BS20-../DPE09XB4** | 42.08 | 1169 | 5200 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 36 | 1.25 | 1903 | 215 | **BS20-../DPE09XB4** | 48.98 | 1236 | 5500 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 35.5 | 2.0 | 1991 | 225 | **BS30-../DPE09XB4** | 50.04 | 1326 | 5900 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 35 | 1.35 | 1770 | 200 | **BS20-../DPE09XB4** | 50.44 | 1281 | 5700 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 30 | 1.1 | 2301 | 260 | **BS20-../DPE09XB4** | 58.74 | 1326 | 5900 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 30 | 1.75 | 2345 | 265 | **BS30-../DPE09XB4** | 58.64 | 1551 | 6900 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 25.5 | 2.4 | 2788 | 315 | **BS40-../DPE09XB4** | 69.60 | 2653 | 11800 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 25 | 0.95 | 2788 | 315 | **BS20-../DPE09XB4** | 70.30 | 1416 | 6300 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 25 | 1.65 | 2567 | 290 | **BS30-../DPE09XB4** | 71.17 | 1574 | 7000 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 24.5 | 2.9 | 2655 | 300 | **BS40-../DPE09XB4** | 73.09 | 2720 | 12100 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 23.5 | 0.92 | 2611 | 295 | **BS20-../DPE09XB4** | 76.18 | 1484 | 6600 | - | - | 110 | 50 |
| 1.5 HP (1.1 kW) | 21.5 | 1.1 | 3319 | 375 | **BS30-../DPE09XB4** | 83.48 | 1529 | 6800 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 20.5 | 2.6 | 3098 | 350 | **BS40-../DPE09XB4** | 86.33 | 2900 | 12900 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 19.5 | 1.3 | 3275 | 370 | **BS30-../DPE09XB4** | 90.59 | 1731 | 7700 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 17 | 1.2 | 3717 | 420 | **BS30-../DPE09XB4** | 106.2 | 1843 | 8200 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 16.5 | 2.2 | 3762 | 425 | **BS40-../DPE09XB4** | 108.1 | 3147 | 14000 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 14.5 | 1.05 | 4337 | 490 | **BS30-../DPE09XB4** | 125.2 | 1956 | 8700 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 14 | 1.95 | 4425 | 500 | **BS40-../DPE09XB4** | 126.0 | 3350 | 14900 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 12 | 0.93 | 5133 | 580 | **BS30-../DPE09XB4** | 151.1 | 2136 | 9500 | - | - | 150 | 68 |
| 1.5 HP (1.1 kW) | 12 | 1.75 | 4956 | 560 | **BS40-../DPE09XB4** | 148.1 | 3372 | 15000 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 9.9 | 1.2 | 6019 | 680 | **BS40-../DPE09XB4** | 178.2 | 3372 | 15000 | - | - | 179 | 81 |

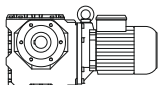
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 1.5 HP (1.1 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 1.5 HP (1.1 kW) | 8.0 | 0.97 | 7258 | 820 | **BS40-../DPE09XB4** | 219.7 | 3372 | 15000 | - | - | 179 | 81 |
| 1.5 HP (1.1 kW) | 7.1 | 0.97 | 8231 | 930 | **BS40Z-../DPE09XB4** | 249.6 | 3372 | 15000 | - | - | 185 | 84 |
| 1.5 HP (1.1 kW) | 5.9 | 0.96 | 9913 | 1120 | **BS40Z-../DPE09XB4** | 302.1 | 3372 | 15000 | - | - | 185 | 84 |
| 1.5 HP (1.1 kW) | 5.0 | 0.82 | 11683 | 1320 | **BS40Z-../DPE09XB4** | 356.8 | 3372 | 15000 | - | - | 185 | 84 |

## 2 HP (1.5 kW)

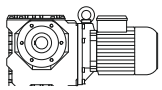


| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 2 HP (1.5 kW) | 140 | 1.35 | 717 | 81 | **BS10-../DPE09XB4** | 12.49 | 540 | 2400 | - | - | 88 | 40 |
| 2 HP (1.5 kW) | 137 | 2.4 | 743 | 84 | **BS20-../DPE09XB4** | 12.77 | 753 | 3350 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 104 | 1.1 | 974 | 110 | **BS10-../DPE09XB4** | 16.92 | 607 | 2700 | - | - | 88 | 40 |
| 2 HP (1.5 kW) | 104 | 2.0 | 982 | 111 | **BS20-../DPE09XB4** | 16.92 | 832 | 3700 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 104 | 3.2 | 1009 | 114 | **BS30-../DPE09XB4** | 16.92 | 888 | 3950 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 84 | 2.7 | 1248 | 141 | **BS30-../DPE09XB4** | 20.94 | 967 | 4300 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 81 | 0.89 | 1248 | 141 | **BS10-../DPE09XB4** | 21.61 | 674 | 3000 | - | - | 88 | 40 |
| 2 HP (1.5 kW) | 79 | 1.6 | 1292 | 146 | **BS20-../DPE09XB4** | 22.23 | 922 | 4100 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 78 | 0.93 | 1115 | 126 | **BS10-../DPE09XB4** | 22.60 | 719 | 3200 | - | - | 88 | 40 |
| 2 HP (1.5 kW) | 76 | 1.7 | 1195 | 135 | **BS20-../DPE09XB4** | 23.13 | 967 | 4300 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 73 | 2.5 | 1301 | 147 | **BS30-../DPE09XB4** | 24.06 | 1034 | 4600 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 65 | 2.2 | 1611 | 182 | **BS30-../DPE09XB4** | 27.07 | 1068 | 4750 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 63 | 1.4 | 1567 | 177 | **BS20-../DPE09XB4** | 27.86 | 1000 | 4450 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 57 | 1.4 | 1593 | 180 | **BS20-../DPE09XB4** | 30.63 | 1068 | 4750 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 57 | 2.1 | 1664 | 188 | **BS30-../DPE09XB4** | 30.63 | 1124 | 5000 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 54 | 1.35 | 1770 | 200 | **BS20-../DPE09XB4** | 32.87 | 1068 | 4750 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 53 | 1.9 | 1947 | 220 | **BS30-../DPE09XB4** | 33.55 | 1169 | 5200 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 46.5 | 1.85 | 2036 | 230 | **BS30-../DPE09XB4** | 37.92 | 1236 | 5500 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 44.5 | 1.65 | 2301 | 260 | **BS30-../DPE09XB4** | 39.31 | 1236 | 5500 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 43.5 | 1.1 | 2080 | 235 | **BS20-../DPE09XB4** | 40.25 | 1191 | 5300 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 43.5 | 3.1 | 2301 | 260 | **BS40-../DPE09XB4** | 40.37 | 2023 | 9000 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 41.5 | 1.05 | 2301 | 260 | **BS20-../DPE09XB4** | 42.08 | 1169 | 5200 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 37 | 2.8 | 2655 | 300 | **BS40-../DPE09XB4** | 47.69 | 2158 | 9600 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 36 | 0.92 | 2611 | 295 | **BS20-../DPE09XB4** | 48.98 | 1236 | 5500 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 35 | 1.0 | 2390 | 270 | **BS20-../DPE09XB4** | 50.44 | 1281 | 5700 | - | - | 110 | 50 |
| 2 HP (1.5 kW) | 35 | 1.45 | 2788 | 315 | **BS30-../DPE09XB4** | 50.04 | 1326 | 5900 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 30 | 1.25 | 3231 | 365 | **BS30-../DPE09XB4** | 58.64 | 1551 | 6900 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 29 | 2.5 | 3098 | 350 | **BS40-../DPE09XB4** | 60.38 | 2518 | 11200 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 25.5 | 1.75 | 3806 | 430 | **BS40-../DPE09XB4** | 69.60 | 2653 | 11800 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 25 | 1.2 | 3540 | 400 | **BS30-../DPE09XB4** | 71.17 | 1574 | 7000 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 24 | 2.1 | 3673 | 415 | **BS40-../DPE09XB4** | 73.09 | 2720 | 12100 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 20.5 | 1.9 | 4248 | 480 | **BS40-../DPE09XB4** | 86.33 | 2900 | 12900 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 19.5 | 0.98 | 4425 | 500 | **BS30-../DPE09XB4** | 90.59 | 1731 | 7700 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 16.5 | 0.86 | 5222 | 590 | **BS30-../DPE09XB4** | 106.2 | 1843 | 8200 | - | - | 150 | 68 |
| 2 HP (1.5 kW) | 16.5 | 1.65 | 5133 | 580 | **BS40-../DPE09XB4** | 108.1 | 3147 | 14000 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 14 | 1.45 | 6019 | 680 | **BS40-../DPE09XB4** | 126.0 | 3350 | 14900 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 12 | 1.25 | 6815 | 770 | **BS40-../DPE09XB4** | 148.1 | 3372 | 15000 | - | - | 179 | 81 |
| 2 HP (1.5 kW) | 9.8 | 0.86 | 8408 | 950 | **BS40-../DPE09XB4** | 178.2 | 3372 | 15000 | - | - | 179 | 81 |



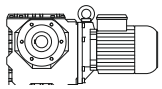
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 2.4 HP (1.8 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 2.4 HP (1.8 kW) | 141 | 1.1 | 859 | 97 | **BS10-../DPE09XB4C** | 12.49 | 540 | 2400 | - | - | 95 | 43 |
| 2.4 HP (1.8 kW) | 138 | 2.0 | 885 | 100 | **BS20-../DPE09XB4C** | 12.77 | 753 | 3350 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 133 | 3.1 | 947 | 107 | **BS30-../DPE09XB4C** | 13.29 | 809 | 3600 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 105 | 0.92 | 1151 | 130 | **BS10-../DPE09XB4C** | 16.92 | 607 | 2700 | - | - | 95 | 43 |
| 2.4 HP (1.8 kW) | 105 | 1.65 | 1168 | 132 | **BS20-../DPE09XB4C** | 16.92 | 832 | 3700 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 105 | 2.7 | 1195 | 135 | **BS30-../DPE09XB4C** | 16.92 | 888 | 3950 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 85 | 2.3 | 1478 | 167 | **BS30-../DPE09XB4C** | 20.94 | 967 | 4300 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 80 | 1.3 | 1540 | 174 | **BS20-../DPE09XB4C** | 22.23 | 922 | 4100 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 77 | 1.45 | 1416 | 160 | **BS20-../DPE09XB4C** | 23.13 | 967 | 4300 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 74 | 2.1 | 1540 | 174 | **BS30-../DPE09XB4C** | 24.06 | 1034 | 4600 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 66 | 1.85 | 1903 | 215 | **BS30-../DPE09XB4C** | 27.07 | 1068 | 4750 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 64 | 1.2 | 1814 | 205 | **BS20-../DPE09XB4C** | 27.86 | 1000 | 4450 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 58 | 1.2 | 1859 | 210 | **BS20-../DPE09XB4C** | 30.63 | 1068 | 4750 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 58 | 1.8 | 1947 | 220 | **BS30-../DPE09XB4C** | 30.63 | 1124 | 5000 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 54 | 1.1 | 2168 | 245 | **BS20-../DPE09XB4C** | 32.87 | 1068 | 4750 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 53 | 1.6 | 2345 | 265 | **BS30-../DPE09XB4C** | 33.55 | 1169 | 5200 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 53 | 3.1 | 2257 | 255 | **BS40-../DPE09XB4C** | 33.35 | 1866 | 8300 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 46.5 | 1.55 | 2434 | 275 | **BS30-../DPE09XB4C** | 37.92 | 1236 | 5500 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 46.5 | 2.9 | 2345 | 265 | **BS40-../DPE09XB4C** | 38.13 | 2113 | 9400 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 45 | 1.4 | 2699 | 305 | **BS30-../DPE09XB4C** | 39.31 | 1236 | 5500 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 44 | 0.93 | 2478 | 280 | **BS20-../DPE09XB4C** | 40.25 | 1191 | 5300 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 44 | 2.6 | 2699 | 305 | **BS40-../DPE09XB4C** | 40.37 | 2023 | 9000 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 42 | 0.87 | 2744 | 310 | **BS20-../DPE09XB4C** | 42.08 | 1169 | 5200 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 37 | 2.3 | 3186 | 360 | **BS40-../DPE09XB4C** | 47.69 | 2158 | 9600 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 35.5 | 1.2 | 3275 | 370 | **BS30-../DPE09XB4C** | 50.04 | 1326 | 5900 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 35 | 0.83 | 2876 | 325 | **BS20-../DPE09XB4C** | 50.44 | 1281 | 5700 | - | - | 117 | 53 |
| 2.4 HP (1.8 kW) | 30.5 | 1.05 | 3806 | 430 | **BS30-../DPE09XB4C** | 58.64 | 1551 | 6900 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 29.5 | 2.1 | 3629 | 410 | **BS40-../DPE09XB4C** | 60.38 | 2518 | 11200 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 25.5 | 1.45 | 4514 | 510 | **BS40-../DPE09XB4C** | 69.60 | 2653 | 11800 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 25 | 1.0 | 4248 | 480 | **BS30-../DPE09XB4C** | 71.17 | 1574 | 7000 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 24.5 | 1.8 | 4337 | 490 | **BS40-../DPE09XB4C** | 73.09 | 2720 | 12100 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 20.5 | 1.6 | 5045 | 570 | **BS40-../DPE09XB4C** | 86.33 | 2900 | 12900 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 19.5 | 0.82 | 5310 | 600 | **BS30-../DPE09XB4C** | 90.59 | 1731 | 7700 | - | - | 157 | 71 |
| 2.4 HP (1.8 kW) | 16.5 | 1.4 | 6107 | 690 | **BS40-../DPE09XB4C** | 108.1 | 3147 | 14000 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 14 | 1.2 | 7258 | 820 | **BS40-../DPE09XB4C** | 126.0 | 3350 | 14900 | - | - | 185 | 84 |
| 2.4 HP (1.8 kW) | 12 | 1.05 | 8231 | 930 | **BS40-../DPE09XB4C** | 148.1 | 3372 | 15000 | - | - | 185 | 84 |

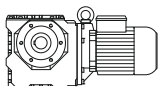
## 3 HP (2.2 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 3 HP (2.2 kW) | 133 | 2.5 | 1159 | 131 | **BS30-../DPE11LB4** | 13.29 | 809 | 3600 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 105 | 2.2 | 1469 | 166 | **BS30-../DPE11LB4** | 16.92 | 888 | 3950 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 85 | 1.85 | 1814 | 205 | **BS30-../DPE11LB4** | 20.94 | 967 | 4300 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 74 | 1.75 | 1859 | 210 | **BS30-../DPE11LB4** | 24.06 | 1034 | 4600 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 68 | 3.0 | 2213 | 250 | **BS40-../DPE11LB4** | 26.18 | 1686 | 7500 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 66 | 1.55 | 2301 | 260 | **BS30-../DPE11LB4** | 27.07 | 1068 | 4750 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 58 | 1.5 | 2390 | 270 | **BS30-../DPE11LB4** | 30.63 | 1124 | 5000 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 58 | 2.8 | 2345 | 265 | **BS40-../DPE11LB4** | 30.63 | 1956 | 8700 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 53 | 1.3 | 2876 | 325 | **BS30-../DPE11LB4** | 33.55 | 1169 | 5200 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 53 | 2.5 | 2788 | 315 | **BS40-../DPE11LB4** | 33.35 | 1866 | 8300 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 46.5 | 1.25 | 2965 | 335 | **BS30-../DPE11LB4** | 37.92 | 1236 | 5500 | - | - | 196 | 89 |

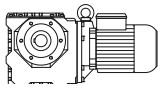
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 3 HP (2.2 kW)



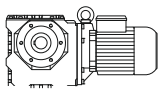
| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 3 HP (2.2 kW) | 46.5 | 2.4 | 2876 | 325 | **BS40-../DPE11LB4** | 38.13 | 2113 | 9400 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 45 | 1.15 | 3319 | 375 | **BS30-../DPE11LB4** | 39.31 | 1236 | 5500 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 44 | 2.1 | 3319 | 375 | **BS40-../DPE11LB4** | 40.37 | 2023 | 9000 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 37 | 1.9 | 3894 | 440 | **BS40-../DPE11LB4** | 47.69 | 2158 | 9600 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 29.5 | 1.7 | 4425 | 500 | **BS40-../DPE11LB4** | 60.38 | 2518 | 11200 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 25 | 0.83 | 5133 | 580 | **BS30-../DPE11LB4** | 71.17 | 1574 | 7000 | - | - | 196 | 89 |
| 3 HP (2.2 kW) | 24.5 | 1.45 | 5310 | 600 | **BS40-../DPE11LB4** | 73.09 | 2720 | 12100 | - | - | 236 | 107 |
| 3 HP (2.2 kW) | 20.5 | 1.3 | 6196 | 700 | **BS40-../DPE11LB4** | 86.33 | 2900 | 12900 | - | - | 236 | 107 |

## 4 HP (3 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 4 HP (3 kW) | 133 | 1.85 | 1575 | 178 | **BS30-../DPE11LB4** | 13.29 | 809 | 3600 | - | - | 196 | 89 |
| 4 HP (3 kW) | 105 | 1.6 | 1991 | 225 | **BS30-../DPE11LB4** | 16.92 | 888 | 3950 | - | - | 196 | 89 |
| 4 HP (3 kW) | 105 | 2.9 | 2036 | 230 | **BS40-../DPE11LB4** | 16.92 | 1439 | 6400 | - | - | 236 | 107 |
| 4 HP (3 kW) | 85 | 1.4 | 2434 | 275 | **BS30-../DPE11LB4** | 20.94 | 967 | 4300 | - | - | 196 | 89 |
| 4 HP (3 kW) | 84 | 2.6 | 2434 | 275 | **BS40-../DPE11LB4** | 21.06 | 1551 | 6900 | - | - | 236 | 107 |
| 4 HP (3 kW) | 75 | 2.5 | 2478 | 280 | **BS40-../DPE11LB4** | 23.59 | 1776 | 7900 | - | - | 236 | 107 |
| 4 HP (3 kW) | 74 | 1.25 | 2567 | 290 | **BS30-../DPE11LB4** | 24.06 | 1034 | 4600 | - | - | 196 | 89 |
| 4 HP (3 kW) | 68 | 2.1 | 3054 | 345 | **BS40-../DPE11LB4** | 26.18 | 1686 | 7500 | - | - | 236 | 107 |
| 4 HP (3 kW) | 66 | 1.1 | 3186 | 360 | **BS30-../DPE11LB4** | 27.07 | 1068 | 4750 | - | - | 196 | 89 |
| 4 HP (3 kW) | 58 | 1.1 | 3275 | 370 | **BS30-../DPE11LB4** | 30.63 | 1124 | 5000 | - | - | 196 | 89 |
| 4 HP (3 kW) | 58 | 2.1 | 3231 | 365 | **BS40-../DPE11LB4** | 30.63 | 1956 | 8700 | - | - | 236 | 107 |
| 4 HP (3 kW) | 53 | 0.95 | 3894 | 440 | **BS30-../DPE11LB4** | 33.55 | 1169 | 5200 | - | - | 196 | 89 |
| 4 HP (3 kW) | 53 | 1.8 | 3806 | 430 | **BS40-../DPE11LB4** | 33.35 | 1866 | 8300 | - | - | 236 | 107 |
| 4 HP (3 kW) | 46.5 | 0.91 | 4071 | 460 | **BS30-../DPE11LB4** | 37.92 | 1236 | 5500 | - | - | 196 | 89 |
| 4 HP (3 kW) | 46.5 | 1.75 | 3939 | 445 | **BS40-../DPE11LB4** | 38.13 | 2113 | 9400 | - | - | 236 | 107 |
| 4 HP (3 kW) | 45 | 0.84 | 4514 | 510 | **BS30-../DPE11LB4** | 39.31 | 1236 | 5500 | - | - | 196 | 89 |
| 4 HP (3 kW) | 44 | 1.55 | 4514 | 510 | **BS40-../DPE11LB4** | 40.37 | 2023 | 9000 | - | - | 236 | 107 |
| 4 HP (3 kW) | 37 | 1.4 | 5310 | 600 | **BS40-../DPE11LB4** | 47.69 | 2158 | 9600 | - | - | 236 | 107 |
| 4 HP (3 kW) | 29.5 | 1.25 | 6019 | 680 | **BS40-../DPE11LB4** | 60.38 | 2518 | 11200 | - | - | 236 | 107 |
| 4 HP (3 kW) | 24.5 | 1.1 | 7169 | 810 | **BS40-../DPE11LB4** | 73.09 | 2720 | 12100 | - | - | 236 | 107 |
| 4 HP (3 kW) | 20.5 | 0.94 | 8497 | 960 | **BS40-../DPE11LB4** | 86.33 | 2900 | 12900 | - | - | 236 | 107 |

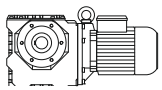
## 5 HP (3.7 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 5 HP (3.7 kW) | 136 | 2.8 | 1947 | 220 | **BS40-../DPE11LB4** | 13.03 | 1304 | 5800 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 133 | 1.5 | 1947 | 220 | **BS30-../DPE11LB4** | 13.29 | 809 | 3600 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 105 | 1.3 | 2434 | 275 | **BS30-../DPE11LB4** | 16.92 | 888 | 3950 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 105 | 2.4 | 2522 | 285 | **BS40-../DPE11LB4** | 16.92 | 1439 | 6400 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 85 | 1.1 | 3054 | 345 | **BS30-../DPE11LB4** | 20.94 | 967 | 4300 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 84 | 2.1 | 3009 | 340 | **BS40-../DPE11LB4** | 21.06 | 1551 | 6900 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 75 | 2.0 | 3054 | 345 | **BS40-../DPE11LB4** | 23.59 | 1776 | 7900 | - | - | 236 | 107 |

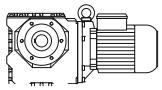
The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 5 HP (3.7 kW)



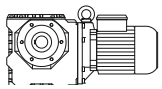
| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 5 HP (3.7 kW) | 74 | 1.05 | 3142 | 355 | **BS30-../DPE11LB4** | 24.06 | 1034 | 4600 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 68 | 1.75 | 3762 | 425 | **BS40-../DPE11LB4** | 26.18 | 1686 | 7500 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 66 | 0.91 | 3894 | 440 | **BS30-../DPE11LB4** | 27.07 | 1068 | 4750 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 58 | 0.88 | 4027 | 455 | **BS30-../DPE11LB4** | 30.63 | 1124 | 5000 | - | - | 196 | 89 |
| 5 HP (3.7 kW) | 58 | 1.65 | 3983 | 450 | **BS40-../DPE11LB4** | 30.63 | 1956 | 8700 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 53 | 1.45 | 4691 | 530 | **BS40-../DPE11LB4** | 33.35 | 1866 | 8300 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 46.5 | 1.4 | 4868 | 550 | **BS40-../DPE11LB4** | 38.13 | 2113 | 9400 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 44 | 1.25 | 5576 | 630 | **BS40-../DPE11LB4** | 40.37 | 2023 | 9000 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 37 | 1.1 | 6550 | 740 | **BS40-../DPE11LB4** | 47.69 | 2158 | 9600 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 29.5 | 1.0 | 7523 | 850 | **BS40-../DPE11LB4** | 60.38 | 2518 | 11200 | - | - | 236 | 107 |
| 5 HP (3.7 kW) | 24.5 | 0.88 | 8851 | 1000 | **BS40-../DPE11LB4** | 73.09 | 2720 | 12100 | - | - | 236 | 107 |

## 5.5 HP (4.0 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 5.5 HP (4.0 kW) | 136 | 2.6 | 2080 | 235 | **BS40-../DPE11LB4** | 13.03 | 1304 | 5800 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 133 | 1.4 | 2080 | 235 | **BS30-../DPE11LB4** | 13.29 | 809 | 3600 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 105 | 1.2 | 2655 | 300 | **BS30-../DPE11LB4** | 16.92 | 888 | 3950 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 105 | 2.2 | 2699 | 305 | **BS40-../DPE11LB4** | 16.92 | 1439 | 6400 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 85 | 1.05 | 3275 | 370 | **BS30-../DPE11LB4** | 20.94 | 967 | 4300 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 84 | 1.9 | 3275 | 370 | **BS40-../DPE11LB4** | 21.06 | 1551 | 6900 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 75 | 1.85 | 3319 | 375 | **BS40-../DPE11LB4** | 23.59 | 1776 | 7900 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 74 | 0.96 | 3408 | 385 | **BS30-../DPE11LB4** | 24.06 | 1034 | 4600 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 68 | 1.6 | 4071 | 460 | **BS40-../DPE11LB4** | 26.18 | 1686 | 7500 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 66 | 0.83 | 4248 | 480 | **BS30-../DPE11LB4** | 27.07 | 1068 | 4750 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 58 | 0.82 | 4337 | 490 | **BS30-../DPE11LB4** | 30.63 | 1124 | 5000 | - | - | 196 | 89 |
| 5.5 HP (4.0 kW) | 58 | 1.55 | 4293 | 485 | **BS40-../DPE11LB4** | 30.63 | 1956 | 8700 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 53 | 1.35 | 5045 | 570 | **BS40-../DPE11LB4** | 33.35 | 1866 | 8300 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 46.5 | 1.3 | 5222 | 590 | **BS40-../DPE11LB4** | 38.13 | 2113 | 9400 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 44 | 1.2 | 6019 | 680 | **BS40-../DPE11LB4** | 40.37 | 2023 | 9000 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 37 | 1.05 | 7081 | 800 | **BS40-../DPE11LB4** | 47.69 | 2158 | 9600 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 29.5 | 0.95 | 8054 | 910 | **BS40-../DPE11LB4** | 60.38 | 2518 | 11200 | - | - | 236 | 107 |
| 5.5 HP (4.0 kW) | 24.5 | 0.81 | 9647 | 1090 | **BS40-../DPE11LB4** | 73.09 | 2720 | 12100 | - | - | 236 | 107 |

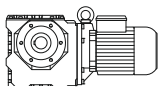
## 6 HP (4.5 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 6 HP (4.5 kW) | 135 | 2.3 | 2390 | 270 | **BS40-../DPE11LB4** | 13.03 | 1304 | 5800 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 132 | 1.25 | 2390 | 270 | **BS30-../DPE11LB4** | 13.29 | 809 | 3600 | - | - | 196 | 89 |
| 6 HP (4.5 kW) | 104 | 1.05 | 3009 | 340 | **BS30-../DPE11LB4** | 16.92 | 888 | 3950 | - | - | 196 | 89 |
| 6 HP (4.5 kW) | 104 | 1.9 | 3098 | 350 | **BS40-../DPE11LB4** | 16.92 | 1439 | 6400 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 84 | 0.9 | 3717 | 420 | **BS30-../DPE11LB4** | 20.94 | 967 | 4300 | - | - | 196 | 89 |
| 6 HP (4.5 kW) | 84 | 1.7 | 3673 | 415 | **BS40-../DPE11LB4** | 21.06 | 1551 | 6900 | - | - | 236 | 107 |

The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.

## 6 HP (4.5 kW)



| $P_N$ | | | Output Torque | | | | Permissible Overhung Load | | | | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Standard Bearings | | Reinforced Bearings | | | |
| [kW] | RPM | SF | lbf-in | Nm | **Type** | i | lb.f | N | lb.f | N | lb | kg |
| 6 HP (4.5 kW) | 75 | 1.65 | 3717 | 420 | **BS40-../DPE11LB4** | 23.59 | 1776 | 7900 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 73 | 0.84 | 3894 | 440 | **BS30-../DPE11LB4** | 24.06 | 1034 | 4600 | - | - | 196 | 89 |
| 6 HP (4.5 kW) | 67 | 1.4 | 4602 | 520 | **BS40-../DPE11LB4** | 26.18 | 1686 | 7500 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 58 | 1.4 | 4779 | 540 | **BS40-../DPE11LB4** | 30.63 | 1956 | 8700 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 53 | 1.2 | 5664 | 640 | **BS40-../DPE11LB4** | 33.35 | 1866 | 8300 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 46 | 1.15 | 6019 | 680 | **BS40-../DPE11LB4** | 38.13 | 2113 | 9400 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 43.5 | 1.05 | 6904 | 780 | **BS40-../DPE11LB4** | 40.37 | 2023 | 9000 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 37 | 0.92 | 7966 | 900 | **BS40-../DPE11LB4** | 47.69 | 2158 | 9600 | - | - | 236 | 107 |
| 6 HP (4.5 kW) | 29 | 0.82 | 9293 | 1050 | **BS40-../DPE11LB4** | 60.38 | 2518 | 11200 | - | - | 236 | 107 |



The torques marked (*) are maximum permissible torques for service factor $f_B$=1.0.