

9

BS-series worm-geared motors - Selection

Description of worm-gear units	237
Sizes	237
Bauer service factors (f_B) for worm-geared motors	237
Continuous operation without switching frequency $Z \leq 1/h$	237
Switching duty	238
Ambient temperature	238
Bauer service factor	238
Explanation of shock classification	238
Key to abbreviations	239
Selection tables, worm-geared motors	239
Selection - worm-geared motors	240



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_v/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 $Z \leq 1/h$

Factor f_1 for shock classification and operating time

Shock classification	Operating hours per day $t_d \leq 10$ 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

BS-series worm-geared motors

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	$1 < Z \leq 100$	$100 < Z \leq 1000$	$1000 < Z$
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	$1 < Z \leq 100$	$100 < Z \leq 1000$	$1000 < Z$
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:

- $FI \leq 1.3$
- $M_x/M_N \leq 1.0$
- Shock-absorbing power transmission components (e.g. highly resilient, zero-play coupling, $\phi N \geq 5^\circ$)

Shock classification II:

Moderate shock loads. At least one of the following conditions applies:

- $1.3 < FI \leq 2$
- $1 \leq M_x/M_N \leq 1.4$
- Shock-neutral power transmission components (e.g. gear wheels, zero- playrigid coupling or resilient coupling with $\phi N < 5^\circ$)

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)

BS-series worm-geared motors

Description of worm-gear units

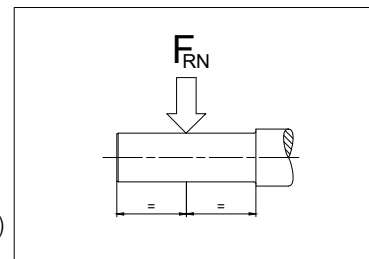
Key to abbreviations

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
ϕ_N	Torsional offset of the resilient coupling under rated torque
UT	Ambient temperature ($^{\circ}\text{C}$)

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 $f_B=1.0$.

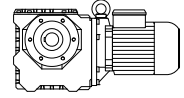
Motor power overload protection¹⁵²

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).

BS-series worm-geared motors

Selection - worm-geared motors

0.075 HP (0.055 kW)



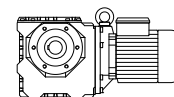
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight		
			[kW]	lb·ft			Nm	Standard Bearings		Reinforced Bearings		lb	kg
								lb·ft	N	lb·ft	N		
0.075 HP (0.055 kW)	152	8.9	25	2.8	BS02-../D04LA4	10.67	281	1250	-	-	8	3.5	
0.075 HP (0.055 kW)	120	7.4	30	3.4	BS02-../D04LA4	13.50	281	1250	-	-	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	

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

BS-series worm-geared motors

Selection - worm-geared motors

0.075 HP (0.055 kW)



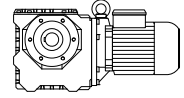
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.075 HP (0.055 kW)	1.1	1.0	1416*	160*	BS10G06-../D04LA4	1528	1349	6000	-	-	55	25
0.075 HP (0.055 kW)	1.1	0.86	2788	315	BS20G06-../D04LA4	1543	1798	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 $f_B=1,0$.

BS-series worm-geared motors

Selection - worm-geared motors

0.1 HP (0.075 kW)



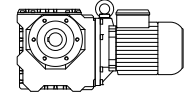
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight		
			[kW]	lbf-in			Nm	Standard Bearings		Reinforced Bearings		lb	kg
								lb.f	N	lb.f	N		
0.1 HP (0.075 kW)	355	8.5	16	1.77	BS02-../D04LA4	4.60	225	1000	-	-	8	3.5	
0.1 HP (0.075 kW)	300	9.5	19	2.1	BS02-../D04LA4	5.40	225	1000	-	-	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	

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

BS-series worm-geared motors

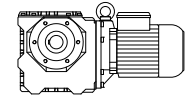
Selection - worm-geared motors

0.1 HP (0.075 kW)



P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
0.1 HP (0.075 kW)	1.7	0.98	2434	275	BS20G06-../D06LA4	1000	1798	8000	-	-	84	38
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)



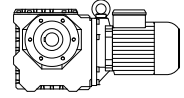
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
0.12 HP (0.09 kW)	355	7.1	19	2.1	BS02-../D04LA4	4.60	225	1000	-	-	8	3.5
0.12 HP (0.09 kW)	300	8.0	22	2.5	BS02-../D04LA4	5.40	225	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

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

BS-series worm-geared motors

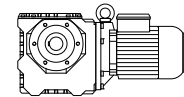
Selection - worm-geared motors

0.12 HP (0.09 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
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
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)



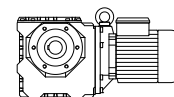
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
0.15 HP (0.11 kW)	355	5.8	23	2.6	BS02-../D04LA4	4.60	225	1000	-	-	8	3.5
0.15 HP (0.11 kW)	300	6.6	27	3.05	BS02-../D04LA4	5.40	225	1000	-	-	8	3.5
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

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

BS-series worm-geared motors

Selection - worm-geared motors

0.15 HP (0.11 kW)



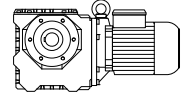
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.15 HP (0.11 kW)	120	3.7	60	6.8	BS02-../D04LA4	13.50	281	1250	-	-	8	3.5
0.15 HP (0.11 kW)	90	2.9	76	8.6	BS02-../D04LA4	18.00	281	1250	-	-	8	3.5
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

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

BS-series worm-geared motors

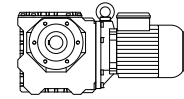
Selection - worm-geared motors

0.15 HP (0.11 kW)



P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]							lb·f	N	lb·f	N	lb	kg
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
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)



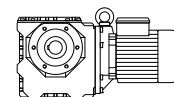
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
[kW]							lb·f	N	lb·f	N	lb	kg
0.25 HP (0.18 kW)	355	3.5	38	4.25	BS02-../D05LA4	4.60	225	1000	-	-	12	5.3
0.25 HP (0.18 kW)	300	4.0	44	5.0	BS02-../D05LA4	5.40	225	1000	-	-	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

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

BS-series worm-geared motors

Selection - worm-geared motors

0.25 HP (0.18 kW)



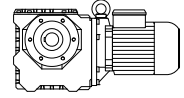
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·ft	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.25 HP (0.18 kW)	25.5	1.75	403	45.5	BS06-../D05LA4	64.06	787	3500	-	-	22	10
0.25 HP (0.18 kW)	23	1.75	469	53	BS06-../D05LA4	71.18	787	3500	-	-	22	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
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

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

BS-series worm-geared motors

Selection - worm-geared motors

0.33 HP (0.25 kW)



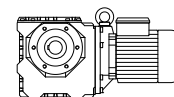
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight		
			[kW]	lb·ft			Nm	Standard Bearings		Reinforced Bearings		lb	kg
								lb·ft	N	lb·ft	N		
0.33 HP (0.25 kW)	355	2.5	52	5.9	BS02-../D05LA4	4.60	225	1000	-	-	12	5.3	
0.33 HP (0.25 kW)	300	2.9	62	7.0	BS02-../D05LA4	5.40	225	1000	-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

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

BS-series worm-geared motors

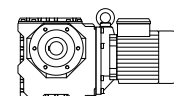
Selection - worm-geared motors

0.33 HP (0.25 kW)



P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
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
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)



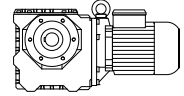
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
0.4 HP (0.3 kW)	355	2.1	63	7.1	BS02-../D05LA4	4.60	225	1000	-	-	12	5.3
0.4 HP (0.3 kW)	300	2.4	74	8.4	BS02-../D05LA4	5.40	225	1000	-	-	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

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

BS-series worm-geared motors

Selection - worm-geared motors

0.4 HP (0.3 kW)



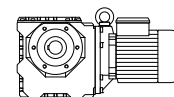
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.4 HP (0.3 kW)	67	2.3	301	34	BS06-../D05LA4	24.25	585	2600	-	-	22	10
0.4 HP (0.3 kW)	65	1.85	266	30	BS03-../D05LA4	25.00	438	1950	-	-	12	5.4
0.4 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
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

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

BS-series worm-geared motors

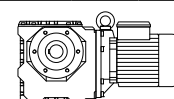
Selection - worm-geared motors

0.4 HP (0.3 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
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-../D06LA4	520.8	3372	15000	-	-	150	68
0.4 HP (0.3 kW)	3.1	1.0	5222	590	BS30Z-../D06LA4	539.3	2248	10000	-	-	119	54
0.4 HP (0.3 kW)	2.7	1.4	5664	640	BS40Z-../D06LA4	612.1	3372	15000	-	-	150	68
0.4 HP (0.3 kW)	2.5	0.85	6019	680	BS30Z-../D06LA4	651.0	2248	10000	-	-	119	54
0.4 HP (0.3 kW)	2.2	0.97	6904	780	BS40Z-../D06LA4	736.5	3372	15000	-	-	150	68
0.4 HP (0.3 kW)	1.8	0.8	8231	930	BS40Z-../D06LA4	908.2	3372	15000	-	-	150	68

0.5 HP (0.37 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
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

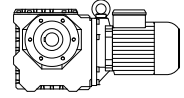
The torques marked (*) are maximum permissible torques for service factor $f_B=1.0$.



BS-series worm-geared motors

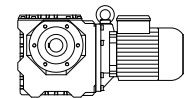
Selection - worm-geared motors

0.5 HP (0.37 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
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
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)



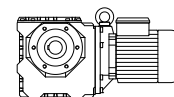
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.75 HP (0.55 kW)	370	3.2	110	12.4	BS03-../D08MA4	4.60	241	1070	-	-	22	10
0.75 HP (0.55 kW)	280	2.7	146	16.5	BS03-../D08MA4	6.00	263	1170	-	-	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

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

BS-series worm-geared motors

Selection - worm-geared motors

0.75 HP (0.55 kW)



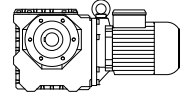
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
0.75 HP (0.55 kW)	100	2.9	372	42	BS10-../D08MA4	16.92	607	2700	-	-	60	27
0.75 HP (0.55 kW)	89	1.25	394	44.5	BS03-../D08MA4	19.00	438	1950	-	-	22	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
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 $f_B=1.0$.

BS-series worm-geared motors

Selection - worm-geared motors

1 HP (0.75 kW)



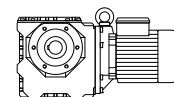
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
[kW]												
1 HP (0.75 kW)	141	2.7	358	40.5	BS10-../DPV09XA4-2	12.49	540	2400	-	-	88	40
1 HP (0.75 kW)	104	2.2	487	55	BS10-../DPV09XA4-2	16.92	607	2700	-	-	88	40
1 HP (0.75 kW)	81	1.8	620	70	BS10-../DPV09XA4-2	21.61	674	3000	-	-	88	40
1 HP (0.75 kW)	79	3.2	646	73	BS20-../DPV09XA4-2	22.23	922	4100	-	-	110	50
1 HP (0.75 kW)	78	1.85	558	63	BS10-../DPV09XA4-2	22.60	719	3200	-	-	88	40
1 HP (0.75 kW)	67	1.55	735	83	BS10-../DPV09XA4-2	26.42	731	3250	-	-	88	40
1 HP (0.75 kW)	63	2.8	779	88	BS20-../DPV09XA4-2	27.86	1000	4450	-	-	110	50
1 HP (0.75 kW)	58	1.55	752	85	BS10-../DPV09XA4-2	30.63	798	3550	-	-	88	40
1 HP (0.75 kW)	58	2.8	779	88	BS20-../DPV09XA4-2	30.63	1068	4750	-	-	110	50
1 HP (0.75 kW)	54	2.6	903	102	BS20-../DPV09XA4-2	32.87	1068	4750	-	-	110	50
1 HP (0.75 kW)	53	1.3	903	102	BS10-../DPV09XA4-2	33.55	798	3550	-	-	88	40
1 HP (0.75 kW)	44	1.15	1080	122	BS10-../DPV09XA4-2	39.96	854	3800	-	-	88	40
1 HP (0.75 kW)	43.5	2.2	1044	118	BS20-../DPV09XA4-2	40.25	1191	5300	-	-	110	50
1 HP (0.75 kW)	42	2.1	1142	129	BS20-../DPV09XA4-2	42.08	1169	5200	-	-	110	50
1 HP (0.75 kW)	37	1.0	1283	145	BS10-../DPV09XA4-2	47.59	910	4050	-	-	88	40
1 HP (0.75 kW)	36	1.8	1319	149	BS20-../DPV09XA4-2	48.98	1236	5500	-	-	110	50
1 HP (0.75 kW)	35	1.95	1213	137	BS20-../DPV09XA4-2	50.44	1281	5700	-	-	110	50
1 HP (0.75 kW)	35	2.9	1390	157	BS30-../DPV09XA4-2	50.04	1326	5900	-	-	150	68
1 HP (0.75 kW)	31	0.88	1505	170	BS10-../DPV09XA4-2	57.12	978	4350	-	-	88	40
1 HP (0.75 kW)	30	1.55	1584	179	BS20-../DPV09XA4-2	58.74	1326	5900	-	-	110	50
1 HP (0.75 kW)	30	2.5	1620	183	BS30-../DPV09XA4-2	58.64	1551	6900	-	-	150	68
1 HP (0.75 kW)	29	0.91	1460	165	BS10-../DPV09XA4-2	60.74	1023	4550	-	-	88	40
1 HP (0.75 kW)	25	1.45	1859	210	BS20-../DPV09XA4-2	70.30	1416	6300	-	-	110	50
1 HP (0.75 kW)	25	2.4	1770	200	BS30-../DPV09XA4-2	71.17	1574	7000	-	-	150	68
1 HP (0.75 kW)	23	1.3	1814	205	BS20-../DPV09XA4-2	76.18	1484	6600	-	-	110	50
1 HP (0.75 kW)	21	1.55	2301	260	BS30-../DPV09XA4-2	83.48	1529	6800	-	-	150	68
1 HP (0.75 kW)	20	1.15	2080	235	BS20-../DPV09XA4-2	88.67	1574	7000	-	-	110	50
1 HP (0.75 kW)	19.5	1.95	2213	250	BS30-../DPV09XA4-2	90.59	1731	7700	-	-	150	68
1 HP (0.75 kW)	17.5	0.83	2655	300	BS20-../DPV09XA4-2	101.1	1596	7100	-	-	110	50
1 HP (0.75 kW)	16.5	0.95	2522	285	BS20-../DPV09XA4-2	106.3	1709	7600	-	-	110	50
1 HP (0.75 kW)	16.5	1.75	2611	295	BS30-../DPV09XA4-2	106.2	1843	8200	-	-	150	68
1 HP (0.75 kW)	16.5	3.3	2567	290	BS40-../DPV09XA4-2	108.1	3147	14000	-	-	179	81
1 HP (0.75 kW)	14	0.81	2965	335	BS20-../DPV09XA4-2	127.3	1798	8000	-	-	110	50
1 HP (0.75 kW)	14	1.5	3054	345	BS30-../DPV09XA4-2	125.2	1956	8700	-	-	150	68
1 HP (0.75 kW)	14	2.9	3009	340	BS40-../DPV09XA4-2	126.0	3350	14900	-	-	179	81
1 HP (0.75 kW)	12	1.35	3496	395	BS30-../DPV09XA4-2	151.1	2136	9500	-	-	150	68
1 HP (0.75 kW)	12	2.5	3408	385	BS40-../DPV09XA4-2	148.1	3372	15000	-	-	179	81
1 HP (0.75 kW)	9.9	1.75	4160	470	BS40-../DPV09XA4-2	178.2	3372	15000	-	-	179	81
1 HP (0.75 kW)	9.4	1.1	4425	500	BS30-../DPV09XA4-2	186.7	2248	10000	-	-	150	68
1 HP (0.75 kW)	8.1	0.9	5133	580	BS30-../DPV09XA4-2	216.4	2248	10000	-	-	150	68
1 HP (0.75 kW)	8.0	1.4	4956	560	BS40-../DPV09XA4-2	219.7	3372	15000	-	-	179	81
1 HP (0.75 kW)	7.1	1.45	5576	630	BS40Z-../DPV09XA4-2	249.6	3372	15000	-	-	185	84
1 HP (0.75 kW)	6.7	0.8	6196	700	BS30Z-../DPV09XA4-2	261.6	2248	10000	-	-	157	71
1 HP (0.75 kW)	6.1	0.83	7612	860	BS40Z-../DPV09XA4-2	287.7	3372	15000	-	-	185	84
1 HP (0.75 kW)	5.8	1.4	6815	770	BS40Z-../DPV09XA4-2	302.1	3372	15000	-	-	185	84
1 HP (0.75 kW)	5.0	1.2	7966	900	BS40Z-../DPV09XA4-2	356.8	3372	15000	-	-	185	84
1 HP (0.75 kW)	4.0	0.89	9913	1120	BS40Z-../DPV09XA4-2	446.8	3372	15000	-	-	185	84
1 HP (0.75 kW)	3.4	0.83	11683	1320	BS40Z-../DPV09XA4-2	520.8	3372	15000	-	-	185	84
1 HP (0.75 kW)	1.9	1.0	7789*	880*	BS40G10-../DPV09XA4-2	965.5	3372	15000	-	-	198	90
1 HP (0.75 kW)	1.5	1.0	7789*	880*	BS40G10-../DPV09XA4-2	1180	3372	15000	-	-	198	90
1 HP (0.75 kW)	1.2	1.0	7789*	880*	BS40G10-../DPV09XA4-2	1499	3372	15000	-	-	198	90
1 HP (0.75 kW)	1.0	1.0	7789*	880*	BS40G10-../DPV09XA4-2	1785	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.85	1.0	7789*	880*	BS40G10-../DPV09XA4-2	2126	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.8	1.0	7789*	880*	BS40G10-../DPV09XA4-2	2304	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.7	1.0	7789*	880*	BS40G10-../DPV09XA4-2	2552	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.65	1.0	7789*	880*	BS40G10-../DPV09XA4-2	2902	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.55	1.0	7789*	880*	BS40G10-../DPV09XA4-2	3215	3372	15000	-	-	198	90

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

BS-series worm-geared motors

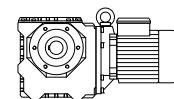
Selection - worm-geared motors

1 HP (0.75 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
1 HP (0.75 kW)	0.47	1.0	7789*	880*	BS40G10-../DPV09XA4-2	3769	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.42	1.0	7789*	880*	BS40G10-../DPV09XA4-2	4201	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.38	1.0	7789*	880*	BS40G10-../DPV09XA4-2	4655	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.32	1.0	7966*	900*	BS40G10-../DPV09XA4-2	5498	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.29	1.0	8408*	950*	BS40G10-../DPV09XA4-2	6214	3372	15000	-	-	198	90
1 HP (0.75 kW)	0.26	1.0	8408*	950*	BS40G10-../DPV09XA4-2	6885	3372	15000	-	-	198	90

1.5 HP (1.1 kW)



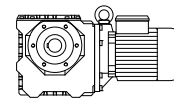
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
1.5 HP (1.1 kW)	141	1.85	522	59	BS10-../DPV09YA4-2	12.49	540	2400	-	-	88	40
1.5 HP (1.1 kW)	138	3.3	540	61	BS20-../DPV09YA4-2	12.77	753	3350	-	-	110	50
1.5 HP (1.1 kW)	104	1.5	708	80	BS10-../DPV09YA4-2	16.92	607	2700	-	-	88	40
1.5 HP (1.1 kW)	104	2.7	717	81	BS20-../DPV09YA4-2	16.92	832	3700	-	-	110	50
1.5 HP (1.1 kW)	81	1.2	912	103	BS10-../DPV09YA4-2	21.61	674	3000	-	-	88	40
1.5 HP (1.1 kW)	79	2.1	947	107	BS20-../DPV09YA4-2	22.23	922	4100	-	-	110	50
1.5 HP (1.1 kW)	78	1.25	814	92	BS10-../DPV09YA4-2	22.60	719	3200	-	-	88	40
1.5 HP (1.1 kW)	76	2.3	876	99	BS20-../DPV09YA4-2	23.13	967	4300	-	-	110	50
1.5 HP (1.1 kW)	67	1.05	1080	122	BS10-../DPV09YA4-2	26.42	731	3250	-	-	88	40
1.5 HP (1.1 kW)	65	3.0	1186	134	BS30-../DPV09YA4-2	27.07	1068	4750	-	-	150	68
1.5 HP (1.1 kW)	63	1.9	1151	130	BS20-../DPV09YA4-2	27.86	1000	4450	-	-	110	50
1.5 HP (1.1 kW)	58	1.05	1097	124	BS10-../DPV09YA4-2	30.63	798	3550	-	-	88	40
1.5 HP (1.1 kW)	58	1.9	1151	130	BS20-../DPV09YA4-2	30.63	1068	4750	-	-	110	50
1.5 HP (1.1 kW)	58	3.0	1195	135	BS30-../DPV09YA4-2	30.63	1124	5000	-	-	150	68
1.5 HP (1.1 kW)	54	1.8	1319	149	BS20-../DPV09YA4-2	32.87	1068	4750	-	-	110	50
1.5 HP (1.1 kW)	53	0.9	1328	150	BS10-../DPV09YA4-2	33.55	798	3550	-	-	88	40
1.5 HP (1.1 kW)	53	2.6	1434	162	BS30-../DPV09YA4-2	33.55	1169	5200	-	-	150	68
1.5 HP (1.1 kW)	46.5	2.5	1496	169	BS30-../DPV09YA4-2	37.92	1236	5500	-	-	150	68
1.5 HP (1.1 kW)	45	2.3	1673	189	BS30-../DPV09YA4-2	39.31	1236	5500	-	-	150	68
1.5 HP (1.1 kW)	43.5	1.5	1531	173	BS20-../DPV09YA4-2	40.25	1191	5300	-	-	110	50
1.5 HP (1.1 kW)	42	1.4	1682	190	BS20-../DPV09YA4-2	42.08	1169	5200	-	-	110	50
1.5 HP (1.1 kW)	36	1.25	1903	215	BS20-../DPV09YA4-2	48.98	1236	5500	-	-	110	50
1.5 HP (1.1 kW)	35	1.35	1770	200	BS20-../DPV09YA4-2	50.44	1281	5700	-	-	110	50
1.5 HP (1.1 kW)	35	1.95	2036	230	BS30-../DPV09YA4-2	50.04	1326	5900	-	-	150	68
1.5 HP (1.1 kW)	30	1.1	2301	260	BS20-../DPV09YA4-2	58.74	1326	5900	-	-	110	50
1.5 HP (1.1 kW)	30	1.75	2345	265	BS30-../DPV09YA4-2	58.64	1551	6900	-	-	150	68
1.5 HP (1.1 kW)	25.5	2.4	2788	315	BS40-../DPV09YA4-2	69.60	2653	11800	-	-	179	81
1.5 HP (1.1 kW)	25	0.95	2788	315	BS20-../DPV09YA4-2	70.30	1416	6300	-	-	110	50
1.5 HP (1.1 kW)	25	1.65	2567	290	BS30-../DPV09YA4-2	71.17	1574	7000	-	-	150	68
1.5 HP (1.1 kW)	24	2.9	2699	305	BS40-../DPV09YA4-2	73.09	2720	12100	-	-	179	81
1.5 HP (1.1 kW)	23	0.9	2655	300	BS20-../DPV09YA4-2	76.18	1484	6600	-	-	110	50
1.5 HP (1.1 kW)	21	1.05	3408	385	BS30-../DPV09YA4-2	83.48	1529	6800	-	-	150	68
1.5 HP (1.1 kW)	20.5	2.6	3098	350	BS40-../DPV09YA4-2	86.33	2900	12900	-	-	179	81
1.5 HP (1.1 kW)	19.5	1.3	3275	370	BS30-../DPV09YA4-2	90.59	1731	7700	-	-	150	68
1.5 HP (1.1 kW)	16.5	1.2	3806	430	BS30-../DPV09YA4-2	106.2	1843	8200	-	-	150	68
1.5 HP (1.1 kW)	16.5	2.2	3762	425	BS40-../DPV09YA4-2	108.1	3147	14000	-	-	179	81
1.5 HP (1.1 kW)	14	1.0	4514	510	BS30-../DPV09YA4-2	125.2	1956	8700	-	-	150	68
1.5 HP (1.1 kW)	14	1.95	4425	500	BS40-../DPV09YA4-2	126.0	3350	14900	-	-	179	81
1.5 HP (1.1 kW)	12	0.93	5133	580	BS30-../DPV09YA4-2	151.1	2136	9500	-	-	150	68
1.5 HP (1.1 kW)	12	1.75	4956	560	BS40-../DPV09YA4-2	148.1	3372	15000	-	-	179	81

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

BS-series worm-geared motors

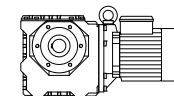
Selection - worm-geared motors

1.5 HP (1.1 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
1.5 HP (1.1 kW)	9.9	1.2	6019	680	BS40-../DPV09YA4-2	178.2	3372	15000	-	-	179	81
1.5 HP (1.1 kW)	8.0	0.97	7258	820	BS40-../DPV09YA4-2	219.7	3372	15000	-	-	179	81
1.5 HP (1.1 kW)	7.1	0.97	8231	930	BS40Z-../DPV09YA4-2	249.6	3372	15000	-	-	185	84
1.5 HP (1.1 kW)	5.8	0.94	10090	1140	BS40Z-../DPV09YA4-2	302.1	3372	15000	-	-	185	84
1.5 HP (1.1 kW)	5.0	0.82	11683	1320	BS40Z-../DPV09YA4-2	356.8	3372	15000	-	-	185	84

2 HP (1.5 kW)



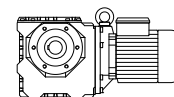
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lbf-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb.f	N	lb.f	N		
2 HP (1.5 kW)	141	1.35	717	81	BS10-../DPV09YA4-2	12.49	540	2400	-	-	88	40
2 HP (1.5 kW)	138	2.4	743	84	BS20-../DPV09YA4-2	12.77	753	3350	-	-	110	50
2 HP (1.5 kW)	104	1.1	974	110	BS10-../DPV09YA4-2	16.92	607	2700	-	-	88	40
2 HP (1.5 kW)	104	2.0	982	111	BS20-../DPV09YA4-2	16.92	832	3700	-	-	110	50
2 HP (1.5 kW)	104	3.2	1009	114	BS30-../DPV09YA4-2	16.92	888	3950	-	-	150	68
2 HP (1.5 kW)	84	2.7	1248	141	BS30-../DPV09YA4-2	20.94	967	4300	-	-	150	68
2 HP (1.5 kW)	81	0.89	1248	141	BS10-../DPV09YA4-2	21.61	674	3000	-	-	88	40
2 HP (1.5 kW)	79	1.6	1292	146	BS20-../DPV09YA4-2	22.23	922	4100	-	-	110	50
2 HP (1.5 kW)	78	0.93	1115	126	BS10-../DPV09YA4-2	22.60	719	3200	-	-	88	40
2 HP (1.5 kW)	76	1.7	1195	135	BS20-../DPV09YA4-2	23.13	967	4300	-	-	110	50
2 HP (1.5 kW)	73	2.5	1301	147	BS30-../DPV09YA4-2	24.06	1034	4600	-	-	150	68
2 HP (1.5 kW)	65	2.2	1611	182	BS30-../DPV09YA4-2	27.07	1068	4750	-	-	150	68
2 HP (1.5 kW)	63	1.4	1567	177	BS20-../DPV09YA4-2	27.86	1000	4450	-	-	110	50
2 HP (1.5 kW)	58	1.4	1567	177	BS20-../DPV09YA4-2	30.63	1068	4750	-	-	110	50
2 HP (1.5 kW)	58	2.2	1637	185	BS30-../DPV09YA4-2	30.63	1124	5000	-	-	150	68
2 HP (1.5 kW)	54	1.35	1770	200	BS20-../DPV09YA4-2	32.87	1068	4750	-	-	110	50
2 HP (1.5 kW)	53	1.9	1947	220	BS30-../DPV09YA4-2	33.55	1169	5200	-	-	150	68
2 HP (1.5 kW)	46.5	1.85	2036	230	BS30-../DPV09YA4-2	37.92	1236	5500	-	-	150	68
2 HP (1.5 kW)	45	1.7	2257	255	BS30-../DPV09YA4-2	39.31	1236	5500	-	-	150	68
2 HP (1.5 kW)	43.5	1.1	2080	235	BS20-../DPV09YA4-2	40.25	1191	5300	-	-	110	50
2 HP (1.5 kW)	43.5	3.1	2301	260	BS40-../DPV09YA4-2	40.37	2023	9000	-	-	179	81
2 HP (1.5 kW)	42	1.05	2257	255	BS20-../DPV09YA4-2	42.08	1169	5200	-	-	110	50
2 HP (1.5 kW)	37	2.8	2655	300	BS40-../DPV09YA4-2	47.69	2158	9600	-	-	179	81
2 HP (1.5 kW)	36	0.92	2611	295	BS20-../DPV09YA4-2	48.98	1236	5500	-	-	110	50
2 HP (1.5 kW)	35	1.0	2390	270	BS20-../DPV09YA4-2	50.44	1281	5700	-	-	110	50
2 HP (1.5 kW)	35	1.45	2788	315	BS30-../DPV09YA4-2	50.04	1326	5900	-	-	150	68
2 HP (1.5 kW)	30	1.25	3231	365	BS30-../DPV09YA4-2	58.64	1551	6900	-	-	150	68
2 HP (1.5 kW)	29	2.5	3098	350	BS40-../DPV09YA4-2	60.38	2518	11200	-	-	179	81
2 HP (1.5 kW)	25.5	1.75	3806	430	BS40-../DPV09YA4-2	69.60	2653	11800	-	-	179	81
2 HP (1.5 kW)	25	1.2	3540	400	BS30-../DPV09YA4-2	71.17	1574	7000	-	-	150	68
2 HP (1.5 kW)	24	2.1	3673	415	BS40-../DPV09YA4-2	73.09	2720	12100	-	-	179	81
2 HP (1.5 kW)	20.5	1.9	4248	480	BS40-../DPV09YA4-2	86.33	2900	12900	-	-	179	81
2 HP (1.5 kW)	19.5	0.98	4425	500	BS30-../DPV09YA4-2	90.59	1731	7700	-	-	150	68
2 HP (1.5 kW)	16.5	0.86	5222	590	BS30-../DPV09YA4-2	106.2	1843	8200	-	-	150	68
2 HP (1.5 kW)	16.5	1.65	5133	580	BS40-../DPV09YA4-2	108.1	3147	14000	-	-	179	81
2 HP (1.5 kW)	14	1.45	6019	680	BS40-../DPV09YA4-2	126.0	3350	14900	-	-	179	81
2 HP (1.5 kW)	12	1.25	6815	770	BS40-../DPV09YA4-2	148.1	3372	15000	-	-	179	81
2 HP (1.5 kW)	9.9	0.87	8320	940	BS40-../DPV09YA4-2	178.2	3372	15000	-	-	179	81

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

BS-series worm-geared motors

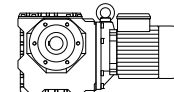
Selection - worm-geared motors

2.5 HP (1.8 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
2.5 HP (1.8 kW)	141	1.1	859	97	BS10-../DPV09YA4C2	12.49	540	2400	-	-	88	40
2.5 HP (1.8 kW)	138	2.0	885	100	BS20-../DPV09YA4C2	12.77	753	3350	-	-	110	50
2.5 HP (1.8 kW)	133	3.1	947	107	BS30-../DPV09YA4C2	13.29	809	3600	-	-	150	68
2.5 HP (1.8 kW)	105	0.92	1151	130	BS10-../DPV09YA4C2	16.92	607	2700	-	-	88	40
2.5 HP (1.8 kW)	105	1.65	1168	132	BS20-../DPV09YA4C2	16.92	832	3700	-	-	110	50
2.5 HP (1.8 kW)	105	2.7	1195	135	BS30-../DPV09YA4C2	16.92	888	3950	-	-	150	68
2.5 HP (1.8 kW)	85	2.3	1478	167	BS30-../DPV09YA4C2	20.94	967	4300	-	-	150	68
2.5 HP (1.8 kW)	80	1.3	1540	174	BS20-../DPV09YA4C2	22.23	922	4100	-	-	110	50
2.5 HP (1.8 kW)	77	1.45	1416	160	BS20-../DPV09YA4C2	23.13	967	4300	-	-	110	50
2.5 HP (1.8 kW)	74	2.1	1540	174	BS30-../DPV09YA4C2	24.06	1034	4600	-	-	150	68
2.5 HP (1.8 kW)	66	1.85	1903	215	BS30-../DPV09YA4C2	27.07	1068	4750	-	-	150	68
2.5 HP (1.8 kW)	64	1.2	1814	205	BS20-../DPV09YA4C2	27.86	1000	4450	-	-	110	50
2.5 HP (1.8 kW)	58	1.2	1859	210	BS20-../DPV09YA4C2	30.63	1068	4750	-	-	110	50
2.5 HP (1.8 kW)	58	1.8	1947	220	BS30-../DPV09YA4C2	30.63	1124	5000	-	-	150	68
2.5 HP (1.8 kW)	54	1.1	2168	245	BS20-../DPV09YA4C2	32.87	1068	4750	-	-	110	50
2.5 HP (1.8 kW)	53	1.6	2345	265	BS30-../DPV09YA4C2	33.55	1169	5200	-	-	150	68
2.5 HP (1.8 kW)	53	3.1	2257	255	BS40-../DPV09YA4C2	33.35	1866	8300	-	-	179	81
2.5 HP (1.8 kW)	46.5	1.55	2434	275	BS30-../DPV09YA4C2	37.92	1236	5500	-	-	150	68
2.5 HP (1.8 kW)	46.5	2.9	2345	265	BS40-../DPV09YA4C2	38.13	2113	9400	-	-	179	81
2.5 HP (1.8 kW)	45	1.4	2699	305	BS30-../DPV09YA4C2	39.31	1236	5500	-	-	150	68
2.5 HP (1.8 kW)	44	0.93	2478	280	BS20-../DPV09YA4C2	40.25	1191	5300	-	-	110	50
2.5 HP (1.8 kW)	44	2.6	2699	305	BS40-../DPV09YA4C2	40.37	2023	9000	-	-	179	81
2.5 HP (1.8 kW)	42	0.87	2744	310	BS20-../DPV09YA4C2	42.08	1169	5200	-	-	110	50
2.5 HP (1.8 kW)	37	2.3	3186	360	BS40-../DPV09YA4C2	47.69	2158	9600	-	-	179	81
2.5 HP (1.8 kW)	35.5	1.2	3275	370	BS30-../DPV09YA4C2	50.04	1326	5900	-	-	150	68
2.5 HP (1.8 kW)	35	0.83	2876	325	BS20-../DPV09YA4C2	50.44	1281	5700	-	-	110	50
2.5 HP (1.8 kW)	30.5	1.05	3806	430	BS30-../DPV09YA4C2	58.64	1551	6900	-	-	150	68
2.5 HP (1.8 kW)	29.5	2.1	3629	410	BS40-../DPV09YA4C2	60.38	2518	11200	-	-	179	81
2.5 HP (1.8 kW)	25.5	1.45	4514	510	BS40-../DPV09YA4C2	69.60	2653	11800	-	-	179	81
2.5 HP (1.8 kW)	25	1.0	4248	480	BS30-../DPV09YA4C2	71.17	1574	7000	-	-	150	68
2.5 HP (1.8 kW)	24.5	1.8	4337	490	BS40-../DPV09YA4C2	73.09	2720	12100	-	-	179	81
2.5 HP (1.8 kW)	20.5	1.6	5045	570	BS40-../DPV09YA4C2	86.33	2900	12900	-	-	179	81
2.5 HP (1.8 kW)	19.5	0.82	5310	600	BS30-../DPV09YA4C2	90.59	1731	7700	-	-	150	68
2.5 HP (1.8 kW)	16.5	1.4	6107	690	BS40-../DPV09YA4C2	108.1	3147	14000	-	-	179	81
2.5 HP (1.8 kW)	14	1.2	7258	820	BS40-../DPV09YA4C2	126.0	3350	14900	-	-	179	81
2.5 HP (1.8 kW)	12	1.05	8231	930	BS40-../DPV09YA4C2	148.1	3372	15000	-	-	179	81

3 HP (2.2 kW)



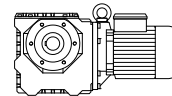
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
3 HP (2.2 kW)	133	2.5	1159	131	BS30-../DPV11XA4-2	13.29	809	3600	-	-	196	89
3 HP (2.2 kW)	105	2.2	1469	166	BS30-../DPV11XA4-2	16.92	888	3950	-	-	196	89
3 HP (2.2 kW)	85	1.85	1814	205	BS30-../DPV11XA4-2	20.94	967	4300	-	-	196	89
3 HP (2.2 kW)	74	1.75	1859	210	BS30-../DPV11XA4-2	24.06	1034	4600	-	-	196	89
3 HP (2.2 kW)	68	3.0	2213	250	BS40-../DPV11XA4-2	26.18	1686	7500	-	-	236	107
3 HP (2.2 kW)	66	1.55	2301	260	BS30-../DPV11XA4-2	27.07	1068	4750	-	-	196	89
3 HP (2.2 kW)	58	1.5	2390	270	BS30-../DPV11XA4-2	30.63	1124	5000	-	-	196	89
3 HP (2.2 kW)	58	2.8	2345	265	BS40-../DPV11XA4-2	30.63	1956	8700	-	-	236	107
3 HP (2.2 kW)	53	1.3	2876	325	BS30-../DPV11XA4-2	33.55	1169	5200	-	-	196	89
3 HP (2.2 kW)	53	2.5	2788	315	BS40-../DPV11XA4-2	33.35	1866	8300	-	-	236	107

The torques marked (*) are maximum permissible torques for service factor $f_B=1,0$.

BS-series worm-geared motors

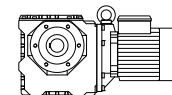
Selection - worm-geared motors

3 HP (2.2 kW)



P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
3 HP (2.2 kW)	46.5	1.25	2965	335	BS30-../DPV11XA4-2	37.92	1236	5500	-	-	196	89
3 HP (2.2 kW)	46.5	2.4	2876	325	BS40-../DPV11XA4-2	38.13	2113	9400	-	-	236	107
3 HP (2.2 kW)	45	1.15	3319	375	BS30-../DPV11XA4-2	39.31	1236	5500	-	-	196	89
3 HP (2.2 kW)	44	2.1	3319	375	BS40-../DPV11XA4-2	40.37	2023	9000	-	-	236	107
3 HP (2.2 kW)	37	1.9	3894	440	BS40-../DPV11XA4-2	47.69	2158	9600	-	-	236	107
3 HP (2.2 kW)	29.5	1.7	4425	500	BS40-../DPV11XA4-2	60.38	2518	11200	-	-	236	107
3 HP (2.2 kW)	25	0.83	5133	580	BS30-../DPV11XA4-2	71.17	1574	7000	-	-	196	89
3 HP (2.2 kW)	24.5	1.45	5310	600	BS40-../DPV11XA4-2	73.09	2720	12100	-	-	236	107
3 HP (2.2 kW)	20.5	1.3	6196	700	BS40-../DPV11XA4-2	86.33	2900	12900	-	-	236	107

4 HP (3 kW)



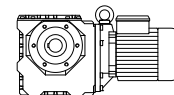
P _N		SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
[kW]	RPM		lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
4 HP (3 kW)	133	1.85	1575	178	BS30-../DPV11XA4-2	13.29	809	3600	-	-	196	89
4 HP (3 kW)	105	1.6	1991	225	BS30-../DPV11XA4-2	16.92	888	3950	-	-	196	89
4 HP (3 kW)	105	2.9	2036	230	BS40-../DPV11XA4-2	16.92	1439	6400	-	-	236	107
4 HP (3 kW)	85	1.4	2434	275	BS30-../DPV11XA4-2	20.94	967	4300	-	-	196	89
4 HP (3 kW)	84	2.6	2434	275	BS40-../DPV11XA4-2	21.06	1551	6900	-	-	236	107
4 HP (3 kW)	75	2.5	2478	280	BS40-../DPV11XA4-2	23.59	1776	7900	-	-	236	107
4 HP (3 kW)	74	1.25	2567	290	BS30-../DPV11XA4-2	24.06	1034	4600	-	-	196	89
4 HP (3 kW)	68	2.1	3054	345	BS40-../DPV11XA4-2	26.18	1686	7500	-	-	236	107
4 HP (3 kW)	66	1.1	3186	360	BS30-../DPV11XA4-2	27.07	1068	4750	-	-	196	89
4 HP (3 kW)	58	1.1	3275	370	BS30-../DPV11XA4-2	30.63	1124	5000	-	-	196	89
4 HP (3 kW)	58	2.1	3231	365	BS40-../DPV11XA4-2	30.63	1956	8700	-	-	236	107
4 HP (3 kW)	53	0.95	3894	440	BS30-../DPV11XA4-2	33.55	1169	5200	-	-	196	89
4 HP (3 kW)	53	1.8	3806	430	BS40-../DPV11XA4-2	33.35	1866	8300	-	-	236	107
4 HP (3 kW)	46.5	0.91	4071	460	BS30-../DPV11XA4-2	37.92	1236	5500	-	-	196	89
4 HP (3 kW)	46.5	1.75	3939	445	BS40-../DPV11XA4-2	38.13	2113	9400	-	-	236	107
4 HP (3 kW)	45	0.84	4514	510	BS30-../DPV11XA4-2	39.31	1236	5500	-	-	196	89
4 HP (3 kW)	44	1.55	4514	510	BS40-../DPV11XA4-2	40.37	2023	9000	-	-	236	107
4 HP (3 kW)	37	1.4	5310	600	BS40-../DPV11XA4-2	47.69	2158	9600	-	-	236	107
4 HP (3 kW)	29.5	1.25	6019	680	BS40-../DPV11XA4-2	60.38	2518	11200	-	-	236	107
4 HP (3 kW)	24.5	1.1	7169	810	BS40-../DPV11XA4-2	73.09	2720	12100	-	-	236	107
4 HP (3 kW)	20.5	0.94	8497	960	BS40-../DPV11XA4-2	86.33	2900	12900	-	-	236	107

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

BS-series worm-geared motors

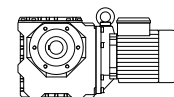
Selection - worm-geared motors

5 HP (3.7 kW)



P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
5 HP (3.7 kW)	136	2.8	1947	220	BS40-../DPV11XA4-2	13.03	1304	5800	-	-	236	107
5 HP (3.7 kW)	133	1.5	1947	220	BS30-../DPV11XA4-2	13.29	809	3600	-	-	196	89
5 HP (3.7 kW)	105	1.3	2434	275	BS30-../DPV11XA4-2	16.92	888	3950	-	-	196	89
5 HP (3.7 kW)	105	2.4	2522	285	BS40-../DPV11XA4-2	16.92	1439	6400	-	-	236	107
5 HP (3.7 kW)	85	1.1	3054	345	BS30-../DPV11XA4-2	20.94	967	4300	-	-	196	89
5 HP (3.7 kW)	84	2.1	3009	340	BS40-../DPV11XA4-2	21.06	1551	6900	-	-	236	107
5 HP (3.7 kW)	75	2.0	3054	345	BS40-../DPV11XA4-2	23.59	1776	7900	-	-	236	107
5 HP (3.7 kW)	74	1.05	3142	355	BS30-../DPV11XA4-2	24.06	1034	4600	-	-	196	89
5 HP (3.7 kW)	68	1.75	3762	425	BS40-../DPV11XA4-2	26.18	1686	7500	-	-	236	107
5 HP (3.7 kW)	66	0.91	3894	440	BS30-../DPV11XA4-2	27.07	1068	4750	-	-	196	89
5 HP (3.7 kW)	58	0.88	4027	455	BS30-../DPV11XA4-2	30.63	1124	5000	-	-	196	89
5 HP (3.7 kW)	58	1.65	3983	450	BS40-../DPV11XA4-2	30.63	1956	8700	-	-	236	107
5 HP (3.7 kW)	53	1.45	4691	530	BS40-../DPV11XA4-2	33.35	1866	8300	-	-	236	107
5 HP (3.7 kW)	46.5	1.4	4868	550	BS40-../DPV11XA4-2	38.13	2113	9400	-	-	236	107
5 HP (3.7 kW)	44	1.25	5576	630	BS40-../DPV11XA4-2	40.37	2023	9000	-	-	236	107
5 HP (3.7 kW)	37	1.1	6550	740	BS40-../DPV11XA4-2	47.69	2158	9600	-	-	236	107
5 HP (3.7 kW)	29.5	1.0	7523	850	BS40-../DPV11XA4-2	60.38	2518	11200	-	-	236	107
5 HP (3.7 kW)	24.5	0.88	8851	1000	BS40-../DPV11XA4-2	73.09	2720	12100	-	-	236	107

5.5 HP (4 kW)



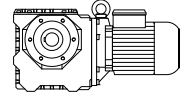
P _N	RPM	SF	Output Torque		Type	i	Permissible Overhung Load				Weight	
			lb·f-in	Nm			Standard Bearings		Reinforced Bearings		lb	kg
							lb·f	N	lb·f	N		
[kW]												
5.5 HP (4 kW)	136	2.6	2080	235	BS40-../DPV11XA4-2	13.03	1304	5800	-	-	236	107
5.5 HP (4 kW)	133	1.4	2080	235	BS30-../DPV11XA4-2	13.29	809	3600	-	-	196	89
5.5 HP (4 kW)	105	1.2	2655	300	BS30-../DPV11XA4-2	16.92	888	3950	-	-	196	89
5.5 HP (4 kW)	105	2.2	2699	305	BS40-../DPV11XA4-2	16.92	1439	6400	-	-	236	107
5.5 HP (4 kW)	85	1.05	3275	370	BS30-../DPV11XA4-2	20.94	967	4300	-	-	196	89
5.5 HP (4 kW)	84	1.9	3275	370	BS40-../DPV11XA4-2	21.06	1551	6900	-	-	236	107
5.5 HP (4 kW)	75	1.85	3319	375	BS40-../DPV11XA4-2	23.59	1776	7900	-	-	236	107
5.5 HP (4 kW)	74	0.96	3408	385	BS30-../DPV11XA4-2	24.06	1034	4600	-	-	196	89
5.5 HP (4 kW)	68	1.6	4071	460	BS40-../DPV11XA4-2	26.18	1686	7500	-	-	236	107
5.5 HP (4 kW)	66	0.83	4248	480	BS30-../DPV11XA4-2	27.07	1068	4750	-	-	196	89
5.5 HP (4 kW)	58	0.82	4337	490	BS30-../DPV11XA4-2	30.63	1124	5000	-	-	196	89
5.5 HP (4 kW)	58	1.55	4293	485	BS40-../DPV11XA4-2	30.63	1956	8700	-	-	236	107
5.5 HP (4 kW)	53	1.35	5045	570	BS40-../DPV11XA4-2	33.35	1866	8300	-	-	236	107
5.5 HP (4 kW)	46.5	1.3	5222	590	BS40-../DPV11XA4-2	38.13	2113	9400	-	-	236	107
5.5 HP (4 kW)	44	1.2	6019	680	BS40-../DPV11XA4-2	40.37	2023	9000	-	-	236	107
5.5 HP (4 kW)	37	1.05	7081	800	BS40-../DPV11XA4-2	47.69	2158	9600	-	-	236	107
5.5 HP (4 kW)	29.5	0.95	8054	910	BS40-../DPV11XA4-2	60.38	2518	11200	-	-	236	107
5.5 HP (4 kW)	24.5	0.81	9647	1090	BS40-../DPV11XA4-2	73.09	2720	12100	-	-	236	107

The torques marked (*) are maximum permissible torques for service factor $f_B=1,0$.

BS-series worm-geared motors

Selection - worm-geared motors

6 HP (4.5 kW)



P _N			Output Torque		Type	i	Permissible Overhung Load				Weight	
			[kW]	RPM			SF	lbf-in	Nm	Standard Bearings		Reinforced Bearings
							lb.f	N	lb.f	N		
6 HP (4.5 kW)	135	2.3	2390	270	BS40-../DPV11XA4-2	13.03	1304	5800	-	-	236	107
6 HP (4.5 kW)	132	1.25	2390	270	BS30-../DPV11XA4-2	13.29	809	3600	-	-	196	89
6 HP (4.5 kW)	104	1.05	3009	340	BS30-../DPV11XA4-2	16.92	888	3950	-	-	196	89
6 HP (4.5 kW)	104	1.9	3098	350	BS40-../DPV11XA4-2	16.92	1439	6400	-	-	236	107
6 HP (4.5 kW)	84	0.9	3717	420	BS30-../DPV11XA4-2	20.94	967	4300	-	-	196	89
6 HP (4.5 kW)	84	1.7	3673	415	BS40-../DPV11XA4-2	21.06	1551	6900	-	-	236	107
6 HP (4.5 kW)	75	1.65	3717	420	BS40-../DPV11XA4-2	23.59	1776	7900	-	-	236	107
6 HP (4.5 kW)	73	0.84	3894	440	BS30-../DPV11XA4-2	24.06	1034	4600	-	-	196	89
6 HP (4.5 kW)	67	1.4	4602	520	BS40-../DPV11XA4-2	26.18	1686	7500	-	-	236	107
6 HP (4.5 kW)	58	1.4	4779	540	BS40-../DPV11XA4-2	30.63	1956	8700	-	-	236	107
6 HP (4.5 kW)	53	1.2	5664	640	BS40-../DPV11XA4-2	33.35	1866	8300	-	-	236	107
6 HP (4.5 kW)	46	1.15	6019	680	BS40-../DPV11XA4-2	38.13	2113	9400	-	-	236	107
6 HP (4.5 kW)	43.5	1.05	6904	780	BS40-../DPV11XA4-2	40.37	2023	9000	-	-	236	107
6 HP (4.5 kW)	37	0.92	7966	900	BS40-../DPV11XA4-2	47.69	2158	9600	-	-	236	107
6 HP (4.5 kW)	29	0.82	9293	1050	BS40-../DPV11XA4-2	60.38	2518	11200	-	-	236	107

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