

Selection Tables Gearmotors



0.2 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n _i	r/min	1450	980	1750	1165

50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM		
r/min	N·m	kgf·m			r/min	N·m	kgf·m						CHHM	CHFM	CVVM		
132	13.8	1.40	1.00		169	11.4	1.16	1.00		02 -	6060	11	B-100	B-116	B-135		
			1.43					1.43					6065	11	B-100	B-116	B-135
			2.04					1.74					6075	11	B-100	B-116	B-135
			2.96					2.96					6080	11	B-100	B-116	B-135
112	16.3	1.66	1.00		135	13.5	1.37	1.00		02 -	6060	13	B-100	B-116	B-135		
			1.43					1.43					6065	13	B-100	B-116	B-135
			2.04					1.74					6075	13	B-100	B-116	B-135
			2.96					2.96					6080	13	B-100	B-116	B-135
96.7	18.8	1.91	1.00		117	15.6	1.59	1.00		02 -	6060	15	B-100	B-116	B-135		
			1.43					1.43					6065	15	B-100	B-116	B-135
			2.04					1.74					6075	15	B-100	B-116	B-135
			2.96					2.96					6080	15	B-100	B-116	B-135
85.3	21.3	2.17	1.00		103	17.6	1.80	1.00		02 -	6060	17	B-100	B-116	B-135		
			1.41					1.43					6065	17	B-100	B-116	B-135
			2.04					1.74					6075	17	B-100	B-116	B-135
			2.96					2.96					6080	17	B-100	B-116	B-135
69.0	26.3	2.68	1.14		83.3	21.8	2.22	1.17		02 -	6065	21	B-100	B-116	B-135		
			1.80					1.80					6070	21	B-100	B-116	B-135
			2.04					2.04					6075	21	B-100	B-116	B-135
			2.39					2.39					6080	21	B-100	B-116	B-135
58.0	31.3	3.19	0.83		70.0	25.9	2.64	0.83		02 -	6065	25	B-100	B-116	B-135		
			1.15					1.15					6070	25	B-100	B-116	B-135
			1.47					1.47					6075	25	B-100	B-116	B-135
			2.38					2.38					6080	25	B-100	B-116	B-135
50.0	36.3	3.70	0.83		60.3	30.1	3.07	0.83		02 -	6065	29	B-100	B-116	B-135		
			1.13					1.13					6070	29	B-100	B-116	B-135
			1.43					1.43					6075	29	B-100	B-116	B-135
			2.34					2.34					6085	29	B-100	B-116	B-135
41.4	43.8	4.46	1.03		50.0	36.3	3.70	1.06		02 -	6070	35	B-100	B-116	B-135		
			1.36					1.40					6075	35	B-100	B-116	B-135
			1.45					1.85					6080	35	B-100	B-116	B-135
			3.06					3.06					6090	35	B-100	B-116	B-135
33.7	53.8	5.49	1.12		40.7	44.6	4.54	1.13		02 -	6075	43	B-100	B-116	B-135		
			1.25					1.25					6080	43	B-100	B-116	B-135
			1.47					1.47					6085	43	B-100	B-116	B-135
			2.18					2.18					6090	43	B-100	B-116	B-135
28.4	63.8	6.51	1.21		34.3	52.9	5.39	1.21		02 -	6085	51	B-100	B-116	B-135		
			1.66					1.66					6090	51	B-100	B-116	B-135
			2.04					2.11					6095	51	B-100	B-116	B-135
			2.80					2.80					6100	51	B-101	B-117	B-136
24.6	73.8	7.53	1.17		29.7	61.2	6.24	1.17		02 -	6085	59	B-100	B-116	B-135		
			1.55					1.55					6090	59	B-100	B-116	B-135
			1.68					1.87					6095	59	B-100	B-116	B-135
			2.58					2.58					6100	59	B-101	B-117	B-136
20.4	88.8	9.06	0.83		24.6	73.6	7.50	0.94		02 -	6085	71	B-100	B-116	B-135		
			1.26					1.26					6090	71	B-100	B-116	B-135
			1.39					1.51					6095	71	B-100	B-116	B-135
			2.18					2.18					6100	71	B-101	B-117	B-136
			2.53				2.81		02 -	6105	71	B-101	B-117	B-136			

Selection Tables 0.2 kW GEARMOTORS


6. **2* indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
 7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
 8. **3* indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
 9. Maintain torque load during operation within "Output torque" in the table for models with "1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

0.25 kW		n: Motor Speed																					
		Hz		50Hz		60Hz																	
		P	4	6	4	6																	
n ₁	r/min	1450	980	1750	1165																		
50Hz		60Hz				Nomenclature			Page of Dimension Sheet														
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM								
r/min	N-m	kgf-m	N	kgf	r/min	N-m	kgf-m	N	kgf				CHHM	CHFM	CVVM								
242	9.39	0.957	795	81.1	1.14	292	7.78	0.793	749	76.3	1.14	03 -	6065	-	6	B-100	B-116	B-135					
			1390	141	1.39				1310	133	1.39								6070	6	B-100	B-116	B-135
			1390	141	1.63				1310	133	1.63								6075	6	B-100	B-116	B-135
			1930	197	2.37				1810	185	2.37								6080	6	B-100	B-116	B-135
181	12.5	1.28	908	92.5	1.14	219	10.4	1.06	855	87.2	1.14	03 -	6065	-	8	B-100	B-116	B-135					
			1530	156	1.39				1450	147	1.39								6070	8	B-100	B-116	B-135
			1530	156	1.63				1450	147	1.63								6075	8	B-100	B-116	B-135
			2090	213	2.37				1970	201	2.37								6080	8	B-100	B-116	B-135
132	17.2	1.75	1180	120	1.14	159	14.3	1.45	1160	118	1.14	03 -	6065	-	11	B-100	B-116	B-135					
			1720	175	1.39				1620	165	1.39								6070	11	B-100	B-116	B-135
			1720	175	1.63				1620	165	1.63								6075	11	B-100	B-116	B-135
			2310	236	2.37				2180	222	2.37								6080	11	B-100	B-116	B-135
112	20.3	2.07	1180	120	1.14	135	16.8	1.72	1180	120	1.14	03 -	6065	-	13	B-100	B-116	B-135					
			1770	180	1.39				1710	174	1.39								6070	13	B-100	B-116	B-135
			1770	180	1.63				1710	174	1.63								6075	13	B-100	B-116	B-135
			2490	254	2.37				2340	239	2.37								6080	13	B-100	B-116	B-135
96.7	23.5	2.39	1180	120	1.14	117	19.4	1.98	1180	120	1.14	03 -	6065	-	15	B-100	B-116	B-135					
			1770	180	1.39				1720	175	1.39								6070	15	B-100	B-116	B-135
			1770	180	1.63				1720	175	1.63								6075	15	B-100	B-116	B-135
			2560	261	2.37				2420	247	2.37								6080	15	B-100	B-116	B-135
85.3	26.6	2.71	1180	120	1.13	103	22.0	2.25	1180	120	1.14	03 -	6065	-	17	B-100	B-116	B-135					
			1770	180	1.39				1770	180	1.39								6070	17	B-100	B-116	B-135
			1770	180	1.63				1770	180	1.63								6075	17	B-100	B-116	B-135
			2560	261	2.37				2540	258	2.37								6080	17	B-100	B-116	B-135
69.0	32.8	3.35	1180	120	0.91	83.3	27.2	2.77	1180	120	0.94	03 -	6065	-	21	B-100	B-116	B-135					
			1770	180	1.28				1770	180	1.28								6070	21	B-100	B-116	B-135
			1770	180	1.63				1770	180	1.63								6075	21	B-100	B-116	B-135
			2560	261	1.91				2470	252	1.91								6080	21	B-100	B-116	B-135
58.0	39.1	3.99	1770	180	1.18	70.0	32.4	3.30	1770	180	1.18	03 -	6075	-	25	B-100	B-116	B-135					
			2560	261	1.36				2540	259	1.36								6080	25	B-100	B-116	B-135
			2560	261	1.90				2540	259	1.90								6085	25	B-100	B-116	B-135
			3340	340	2.68				3340	340	2.68								6090	25	B-100	B-116	B-135
50.0	45.4	4.62	1770	180	1.14	60.3	37.6	3.83	1770	180	1.14	03 -	6075	-	29	B-100	B-116	B-135					
			2560	261	1.36				2560	261	1.36								6080	29	B-100	B-116	B-135
			2560	261	1.87				2560	261	1.87								6085	29	B-100	B-116	B-135
			3340	340	2.50				3340	340	2.50								6090	29	B-100	B-116	B-135
41.4	54.7	5.58	1770	180	1.09	50.0	45.4	4.62	1770	180	1.12	03 -	6075	-	35	B-100	B-116	B-135					
			2560	261	1.16				2560	261	1.32								6080	35	B-100	B-116	B-135
			2560	261	1.31				2560	261	1.48								6085	35	B-100	B-116	B-135
			3340	340	2.45				3340	340	2.45								6090	35	B-100	B-116	B-135
33.7	67.3	6.86	1500	152	0.89	40.7	56.7	5.68	1740	178	0.90	03 -	6075	-	43	B-100	B-116	B-135					
			2560	261	1.00				2560	261	1.00								6080	43	B-100	B-116	B-135
			2560	261	1.18				2560	261	1.18								6085	43	B-100	B-116	B-135
			3340	340	1.74				3340	340	1.74								6090	43	B-100	B-116	B-135
28.4	79.8	8.13	3340	340	2.41	34.3	66.1	6.74	3340	340	2.41	03 -	6095	-	43	B-100	B-116	B-135					
			2490	253	0.96				2560	261	0.96								6085	51	B-100	B-116	B-135
			3340	340	1.33				3340	340	1.33								6090	51	B-100	B-116	B-135
			3340	340	1.63				3340	340	1.63								6095	51	B-100	B-116	B-135
24.6	92.3	9.41	5400	550	2.24	29.7	76.5	7.79	5400	550	2.24	03 -	6100	-	51	B-101	B-117	B-136					
			2390	244	0.94				2540	259	0.94								6085	59	B-100	B-116	B-135
			3340	340	1.24				3340	340	1.24								6090	59	B-100	B-116	B-135
			3340	340	1.34				3340	340	1.49								6095	59	B-100	B-116	B-135
5400	550	2.06	5400	550	2.06	03 -	6100	-	59	B-101	B-117	B-136											
	5400	550		2.72	5400								550	2.83	6105	59	B-101	B-117	B-136				

1. Combinations in bold are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4-F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors

0.4 kW		n: Motor Speed																						
		Hz		50Hz		60Hz																		
		P		4	6	4	6																	
n ₁	r/min	1450	980	1750	1165																			
																								
		50Hz				60Hz				Nomenclature			Page of Dimension Sheet											
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM CNFM CNVM									
	r/min	N-m	kgf-m	N			kgf	r/min	N-m	kgf-m					N	kgf	CHHM	CHFM	CVVM					
58.0	62.6	6.38	2560	261	1.19	70.0	51.8	5.28	2520	256	1.19	05 -	6085	- 25	B-100	B-116	B-135							
			3340	340	1.68				3340	340	1.68				05 -	6090	- 25	B-100	B-116	B-135				
			3340	340	2.17				3340	340	2.17				05 -	6095	- 25	B-100	B-116	B-135				
50.0	72.6	7.40	2560	261	1.17	60.3	60.1	6.13	2560	261	1.17	05 -	6085	- 29	B-100	B-116	B-135							
			3340	340	1.56				3340	340	1.56				05 -	6090	- 29	B-100	B-116	B-135				
			3340	340	1.96				3340	340	1.96				05 -	6095	- 29	B-100	B-116	B-135				
41.4	87.6	8.93	2560	261	0.82	50.0	72.6	7.40	2560	261	0.93	05 -	6085	- 35	B-100	B-116	B-135							
			3340	340	1.53				3340	340	1.53				05 -	6090	- 35	B-100	B-116	B-135				
			3340	340	1.90				3340	340	1.90				05 -	6095	- 35	B-100	B-116	B-135				
			5400	550	2.44				5400	550	2.44				05 -	6100	- 35	B-101	B-117	B-136				
			5400	550	3.00				5400	550	3.00				05 -	6105	- 35	B-101	B-117	B-136				
33.7	108	11.0	3340	340	1.09	40.7	89.2	9.09	3340	340	1.09	05 -	6090	- 43	B-100	B-116	B-135							
			3340	340	1.51				3340	340	1.51				05 -	6095	- 43	B-100	B-116	B-135				
			5400	550	1.95				5400	550	1.95				05 -	6100	- 43	B-101	B-117	B-136				
			5400	550	2.70				5400	550	2.70				05 -	6105	- 43	B-101	B-117	B-136				
			3320	339	1.02				3340	340	1.06				34.3	106	10.8	3340	340	1.06	05 -	6095	- 51	B-100
5400	550	1.40	5400	550	1.40	05 -	6100	- 51	B-101	B-117	B-136													
5400	550	1.94	5400	550	1.94	05 -	6105	- 51	B-101	B-117	B-136													
7610	776	2.36	7610	776	2.36	05 -	6110	- 51	B-101	B-117	B-136													
7610	776	2.78	7610	776	2.78	05 -	6115	- 51	B-101	B-117	B-136													
28.4	128	13.0	3300	336	0.84	29.7	122	12.5	3340	340	0.93	05 -	6095	- 59	B-100	B-116	B-135							
			5400	550	1.29				5400	550	1.29				05 -	6100	- 59	B-101	B-117	B-136				
			5400	550	1.70				5400	550	1.77				05 -	6105	- 59	B-101	B-117	B-136				
			7610	776	2.15				7610	776	2.15				05 -	6110	- 59	B-101	B-117	B-136				
			7610	776	2.53				7610	776	2.53				05 -	6115	- 59	B-101	B-117	B-136				
20.4	178	18.1	5400	550	1.09	24.6	147	15.0	5400	550	1.09	05 -	6100	- 71	B-101	B-117	B-136							
			5400	550	1.27				5400	550	1.40				05 -	6105	- 71	B-101	B-117	B-136				
			7610	776	1.67				7610	776	1.67				05 -	6110	- 71	B-101	B-117	B-136				
			7610	776	1.90				7610	776	1.90				05 -	6115	- 71	B-101	B-117	B-136				
			9810	1000	2.39				9810	1000	2.39				05 -	6120	- 71	B-101	B-117	B-136				
16.7	218	22.2	5400	550	1.08	20.1	180	18.4	5400	550	1.08	05 -	6100	- 87	B-101	B-117	B-136							
			5400	550	1.26				5400	550	1.41				05 -	6105	- 87	B-101	B-117	B-136				
			7610	776	1.65				7610	776	1.65				05 -	6110	- 87	B-101	B-117	B-136				
			7610	776	1.90				7610	776	1.90				05 -	6115	- 87	B-101	B-117	B-136				
			9810	1000	2.36				9810	1000	2.36				05 -	6120	- 87	B-101	B-117	B-136				
13.9	150	15.3	3340	340	*1	16.8	150	15.3	3340	340	*1	05 -	6090DA	- 104	B-108	B-124	B-143							
			181	18.4	3340				340	*1	181				18.4	3340	340	*1	05 -	6095DA	- 104	B-108	B-124	B-143
			5400	550	1.01				5400	550	1.07				05 -	6100DA	- 104	B-108	B-124	B-143				
			5400	550	1.07				5400	550	1.07				05 -	6105DA	- 104	B-108	B-124	B-143				
			9810	1000	2.13				9810	1000	2.57				05 -	6120DB	- 104	B-108	B-124	B-143				
12.0	150	15.3	3340	340	*1	14.5	150	15.3	3340	340	*1	05 -	6090DA	- 121	B-108	B-124	B-143							
			160	16.4	3340				340	*1	160				16.4	3340	340	*1	05 -	6095DA	- 121	B-108	B-124	B-143
			5400	550	1.07				5400	550	1.07				05 -	6105DA	- 121	B-108	B-124	B-143				
			9810	1000	1.83				9810	1000	2.21				05 -	6120DB	- 121	B-108	B-124	B-143				
			9810	1000	2.17				9810	1000	2.62				05 -	6125DB	- 121	B-108	B-124	B-143				
			14700	1500	2.72				14700	1500	3.28	05 -	6130DB	- 121	B-109	B-125	B-144							

- Combinations in bold are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
- Motor slippage may affect n₁ and n₂. Refer to technical data for details.
- CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
- Lubrication method is different for each model. Refer to "Lubrication" section in page F-4-F-5 for details.
- "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



0.55 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n _i	r/min	1450	980	1750	1165

50Hz					60Hz					Nomenclature			Page of Dimension Sheet							
Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CHHM	CNFM	CNVM			
r/min	N-m	kgf-m	N	kgf		r/min	N-m	kgf-m	N	kgf					CHHM	CHFM	CVVM			
96.7	51.6	5.26	2520	257	1.08	117	42.8	4.36	2380	242	1.08	08 -	6080	- 15	B-100	B-116	B-135			
			2520	257	1.41				2380	242	1.41				08 -	6085	- 15	B-100	B-116	B-135
			3340	340	2.09				3340	340	2.09				08 -	6090	- 15	B-100	B-116	B-135
			3340	340	2.76				3340	340	2.76				08 -	6095	- 15	B-100	B-116	B-135
85.3	58.5	5.96	2560	261	1.08	103	48.5	4.94	2490	254	1.08	08 -	6080	- 17	B-100	B-116	B-135			
			2560	261	1.41				2490	254	1.41				08 -	6085	- 17	B-100	B-116	B-135
			3340	340	2.09				3340	340	2.09				08 -	6090	- 17	B-100	B-116	B-135
			3340	340	2.76				3340	340	2.76				08 -	6095	- 17	B-100	B-116	B-135
69.0	72.3	7.37	2560	261	1.00	83.3	59.9	6.10	2430	247	1.00	08 -	6085	- 21	B-100	B-116	B-135			
			3340	340	1.38				3340	340	1.38				08 -	6090	- 21	B-100	B-116	B-135
			3340	340	2.75				3340	340	2.75				08 -	6095	- 21	B-100	B-116	B-135
			2510	256	0.86				2490	254	0.86				08 -	6085	- 25	B-100	B-116	B-135
58.0	86.0	8.77	3340	340	1.22	70.0	71.3	7.27	3340	340	1.22	08 -	6090	- 25	B-100	B-116	B-135			
			3340	340	1.57				3340	340	1.57				08 -	6095	- 25	B-100	B-116	B-135
			5400	550	2.31				5400	550	2.31				08 -	6100	- 25	B-101	B-117	B-136
			2300	235	0.85				2480	253	0.85				08 -	6085	- 29	B-100	B-116	B-135
50.0	99.8	10.2	3340	340	1.14	60.3	82.7	8.43	3340	340	1.14	08 -	6090	- 29	B-100	B-116	B-135			
			3340	340	1.43				3340	340	1.43				08 -	6095	- 29	B-100	B-116	B-135
			5400	550	2.20				5400	550	2.20				08 -	6100	- 29	B-101	B-117	B-136
			5400	550	2.89				5400	550	2.89				08 -	6105	- 29	B-101	B-117	B-136
41.4	120	12.3	3340	340	1.11	50.0	99.8	10.2	3340	340	1.11	08 -	6090	- 35	B-100	B-116	B-135			
			3340	340	1.38				3340	340	1.38				08 -	6095	- 35	B-100	B-116	B-135
			5400	550	1.77				5400	550	1.77				08 -	6100	- 35	B-101	B-117	B-136
			5400	550	2.18				5400	550	2.18				08 -	6105	- 35	B-101	B-117	B-136
33.7	148	15.1	7510	765	2.73	40.7	123	12.5	7530	767	2.73	08 -	6110	- 35	B-101	B-117	B-136			
			3320	338	1.10				3340	340	1.10				08 -	6095	- 43	B-100	B-116	B-135
			5400	550	1.42				5400	550	1.42				08 -	6100	- 43	B-101	B-117	B-136
			5400	550	1.96				5400	550	1.96				08 -	6105	- 43	B-101	B-117	B-136
28.4	176	17.9	7610	776	2.36	34.3	145	14.8	7610	776	2.36	08 -	6110	- 43	B-101	B-117	B-136			
			7610	776	2.76				7610	776	2.76				08 -	6115	- 43	B-101	B-117	B-136
			5400	550	1.02				5400	550	1.02				08 -	6100	- 51	B-101	B-117	B-136
			5400	550	1.41				5400	550	1.41				08 -	6105	- 51	B-101	B-117	B-136
24.6	203	20.7	7610	776	1.72	29.7	168	17.1	7610	776	1.72	08 -	6110	- 51	B-101	B-117	B-136			
			7610	776	2.02				7610	776	2.02				08 -	6115	- 51	B-101	B-117	B-136
			9810	1000	2.96				9810	1000	3.13				08 -	6120	- 51	B-101	B-117	B-136
			5400	550	1.24				5400	550	1.29				08 -	6105	- 59	B-101	B-117	B-136
20.4	244	24.9	7610	776	1.56	24.6	202	20.6	7610	776	1.56	08 -	6110	- 59	B-101	B-117	B-136			
			7610	776	1.84				7610	776	1.84				08 -	6115	- 59	B-101	B-117	B-136
			9810	1000	2.36				9810	1000	2.36				08 -	6120	- 59	B-101	B-117	B-136
			9810	1000	2.95				9810	1000	2.95				08 -	6125	- 59	B-101	B-117	B-136
16.7	299	30.5	5380	549	0.92	20.1	248	25.3	5400	550	1.02	08 -	6105	- 71	B-101	B-117	B-136			
			7610	776	1.22				7610	776	1.22				08 -	6110	- 71	B-101	B-117	B-136
			7610	776	1.38				7610	776	1.38				08 -	6115	- 71	B-101	B-117	B-136
			9810	1000	1.74				9810	1000	1.74				08 -	6120	- 71	B-101	B-117	B-136
16.7	299	30.5	9810	1000	2.07	20.1	248	25.3	9810	1000	2.18	08 -	6125	- 71	B-101	B-117	B-136			
			4800	489	0.91				5400	550	1.03				08 -	6105	- 87	B-101	B-117	B-136
			7610	776	1.20				7610	776	1.20				08 -	6110	- 87	B-101	B-117	B-136
			7610	776	1.38				7610	776	1.38				08 -	6115	- 87	B-101	B-117	B-136
16.7	299	30.5	9810	1000	1.72	20.1	248	25.3	9810	1000	1.72	08 -	6120	- 87	B-101	B-117	B-136			
			9810	1000	1.87				9810	1000	2.05				08 -	6125	- 87	B-101	B-117	B-136
			14700	1500	2.58				14200	1450	2.58				08 -	6130	- 87	B-102	B-118	B-137
			14700	1500	3.00				14200	1450	3.47				08 -	6135	- 87	B-102	B-118	B-137

Selection Tables 0.55 kW GEARMOTORS

- **2* indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- **3* indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



0.75 kW			n: Motor Speed			
			50Hz		60Hz	
	P		4	6	4	6
	n ₁	n ₂ /min	1450	980	1750	1165

50Hz					60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro	SF		Input Capacity Symbol	Frame Size	Reducer Ratio	CNHM	CNFM	CNVM	
r/min	N-m	kgf-m			r/min	N-m	kgf-m						CHHM	CHFM	CVVM	
242	28.2	2.87			292	23.3	2.38			1	6070SK	6	*3	B-88	-	B-133
														B-98	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
181	37.5	3.83			219	31.1	3.17			1	6075SK	8	*3	B-88	-	B-133
														B-98	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
145	46.9	4.78			175	38.9	3.96			1	6080SK	10	*3	B-88	-	B-133
														B-98	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
														B-88	-	B-133
132	51.6	5.26			159	42.8	4.36			1	6085	8	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
112	61.0	6.22			135	50.5	5.15			1	6090	11	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
96.7	70.4	7.18			117	58.3	5.95			1	6095	15	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
85.3	79.8	8.13			103	66.1	6.74			1	6095	17	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
69.0	98.5	10.0			83.3	81.7	8.32			1	6100	21	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
58.0	117	12.0			70.0	97.2	9.91			1	6105	25	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
50.0	136	13.9			60.3	113	11.5			1	6110	29	*3	B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135
														B-100	B-116	B-135

Selection Tables
0.55 kW, 0.75 kW

6. **2** indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
8. ***3** indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
9. Maintain torque load during operation within "Output torque" in the table for models with "*"1" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors



1.1 kW	Hz		50Hz		60Hz	
	P		4	6	4	6
	n_1	r/min	1450	980	1750	1165

50Hz					60Hz					Nomenclature			Page of Dimension Sheet			
Output Speed n_2	Output Torque T_{out}	Allowable Radial Load Pro		SF	Output Speed n_2	Output Torque T_{out}	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CHHM	CNFM	CNVM	
r/min	N-m	kgf-m	N	kgf	r/min	N-m	kgf-m	N	kgf				CHHM	CHFM	CVVM	
112	89.5	9.12	3340	340	1.05	135	74.1	7.56	3340	340	1.05	1H - 6090	- 13	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	1H - 6095	- 13	B-100	B-116	B-135
			5400	550	2.14				5140	524	2.14	1H - 6100	- 13	B-101	B-117	B-136
			5400	550	2.89				5140	524	2.89	1H - 6105	- 13	B-101	B-117	B-136
96.7	103	10.5	3340	340	1.05	117	85.5	8.72	3340	340	1.05	1H - 6090	- 15	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	1H - 6095	- 15	B-100	B-116	B-135
			5400	550	2.14				5400	550	2.14	1H - 6100	- 15	B-101	B-117	B-136
			5400	550	2.89				5400	550	2.89	1H - 6105	- 15	B-101	B-117	B-136
85.3	117	11.9	3340	340	1.05	103	96.9	9.88	3340	340	1.05	1H - 6090	- 17	B-100	B-116	B-135
			3340	340	1.38				3340	340	1.38	1H - 6095	- 17	B-100	B-116	B-135
			5400	550	1.81				5400	550	1.81	1H - 6100	- 17	B-101	B-117	B-136
			5400	550	2.24				5400	550	2.24	1H - 6105	- 17	B-101	B-117	B-136
69.0	145	14.7	3340	340	1.37	83.3	120	12.2	3340	340	1.38	1H - 6095	- 21	B-100	B-116	B-135
			5400	550	1.73				5400	550	1.75	1H - 6100	- 21	B-101	B-117	B-136
			5400	550	2.07				5400	550	2.13	1H - 6105	- 21	B-101	B-117	B-136
			7080	722	2.47				6670	679	2.47	1H - 6110	- 21	B-101	B-117	B-136
58.0	172	17.5	5400	550	1.15	70.0	143	14.5	5400	550	1.15	1H - 6100	- 25	B-101	B-117	B-136
			5400	550	1.52				5400	550	1.52	1H - 6105	- 25	B-101	B-117	B-136
			7180	732	1.74				6770	690	1.74	1H - 6110	- 25	B-101	B-117	B-136
			7180	732	2.02				6770	690	2.02	1H - 6115	- 25	B-101	B-117	B-136
50.0	200	20.3	8700	887	2.81	60.3	165	16.9	8190	835	2.81	1H - 6120	- 25	B-101	B-117	B-136
			5400	550	1.10				5400	550	1.10	1H - 6100	- 29	B-101	B-117	B-136
			5400	550	1.45				5400	550	1.45	1H - 6105	- 29	B-101	B-117	B-136
			7350	750	1.73				6960	709	1.73	1H - 6110	- 29	B-101	B-117	B-136
41.4	241	24.6	7350	750	2.02	50.0	200	20.3	6960	709	2.02	1H - 6115	- 29	B-101	B-117	B-136
			9050	922	2.61				8510	868	2.72	1H - 6120	- 29	B-101	B-117	B-136
			5400	550	1.09				5400	550	1.09	1H - 6105	- 35	B-101	B-117	B-136
			7400	754	1.36				7430	758	1.36	1H - 6110	- 35	B-101	B-117	B-136
33.7	296	30.2	7400	754	1.65	40.7	245	25.0	7430	758	1.65	1H - 6115	- 35	B-101	B-117	B-136
			9560	975	2.15				9000	918	2.26	1H - 6120	- 35	B-101	B-117	B-136
			9560	975	2.62				9000	918	2.89	1H - 6125	- 35	B-101	B-117	B-136
			5400	550	0.98				5380	548	0.98	1H - 6105	- 43	B-101	B-117	B-136
28.4	351	35.8	7610	776	1.18	34.3	291	29.6	7610	776	1.18	1H - 6110	- 43	B-101	B-117	B-136
			7610	776	1.38				7610	776	1.38	1H - 6115	- 43	B-101	B-117	B-136
			9810	1000	1.74				9580	976	1.74	1H - 6120	- 43	B-101	B-117	B-136
			9810	1000	2.13				9580	976	2.16	1H - 6125	- 43	B-101	B-117	B-136
24.6	406	41.4	12000	1220	2.64	29.7	336	34.3	11300	1150	2.72	1H - 6130	- 43	B-102	B-118	B-137
			7600	775	1.01				7610	776	1.01	1H - 6115	- 51	B-101	B-117	B-136
			9810	1000	1.48				9810	1000	1.56	1H - 6120	- 51	B-101	B-117	B-136
			9810	1000	1.79				9810	1000	2.07	1H - 6125	- 51	B-101	B-117	B-136
20.4	489	49.8	12500	1270	2.22	24.6	405	41.3	11800	1200	2.31	1H - 6130	- 51	B-102	B-118	B-137
			12500	1270	2.32				11800	1200	2.66	1H - 6135	- 51	B-102	B-118	B-137
			7570	772	0.92				7610	776	0.92	1H - 6115	- 59	B-101	B-117	B-136
			9810	1000	1.18				9810	1000	1.18	1H - 6120	- 59	B-101	B-117	B-136
20.4	489	49.8	9810	1000	1.47	20.4	489	49.8	9810	1000	1.47	1H - 6125	- 59	B-101	B-117	B-136
			13100	1340	1.92				12300	1260	1.99	1H - 6130	- 59	B-102	B-118	B-137
			13100	1340	2.22				12300	1260	2.29	1H - 6135	- 59	B-102	B-118	B-137
			16000	1630	2.69				16000	1630	2.69	1H - 6140	- 59	B-102	B-118	B-137
20.4	489	49.8	16000	1630	2.89	20.4	489	49.8	16000	1630	2.89	1H - 6145	- 59	B-102	B-118	B-137
			9810	1000	1.04				9810	1000	1.09	1H - 6125	- 71	B-101	B-117	B-136
			13900	1410	1.60				13100	1330	1.66	1H - 6130	- 71	B-102	B-118	B-137
			13900	1410	1.85				13100	1330	1.97	1H - 6135	- 71	B-102	B-118	B-137
20.4	489	49.8	16000	1630	2.21	20.4	489	49.8	16000	1630	2.21	1H - 6140	- 71	B-102	B-118	B-137
			16000	1630	2.38				16000	1630	2.75	1H - 6145	- 71	B-102	B-118	B-137

Selection Tables
1.1 kW
GEARMOTORS

- 6. **2* indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- 7. Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- 8. ***3* indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- 9. Maintain torque load during operation within "Output torque" in the table for models with "*" in the SF column. They cannot be operated with 100% motor rating.

Selection Tables Gearmotors

1.5 kW		n: Motor Speed																		
		Hz		50Hz		60Hz														
		P		4	6	4	6													
n ₁	r/min			1450	980	1750	1165													
		50Hz				60Hz				Nomenclature			Page of Dimension Sheet							
Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load P _{ro}		SF	Output Speed n ₂	Output Torque T _{out}	Allowable Radial Load P _{ro}		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM					
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM					
132	103	10.5	3340	340	1.01	159	85.5	8.72	3300	336	1.01	2	6095	- 11	B-100	B-116	B-135			
			5220	532	1.57				4920	501	1.57				2	6100	- 11	B-101	B-117	B-136
			5220	532	2.12				4920	501	2.12				2	6105	- 11	B-101	B-117	B-136
			5950	606	2.37				5600	571	2.37				2	6110	- 11	B-101	B-117	B-136
			5950	606	2.61				5600	571	2.61				2	6115	- 11	B-101	B-117	B-136
112	122	12.4	3340	340	1.01	135	101	10.3	3300	336	1.01	2	6095	- 13	B-100	B-116	B-135			
			5400	550	1.57				5110	521	1.57				2	6100	- 13	B-101	B-117	B-136
			5400	550	2.12				5110	521	2.12				2	6105	- 13	B-101	B-117	B-136
			6150	627	2.37				5790	591	2.37				2	6110	- 13	B-101	B-117	B-136
			6150	627	2.60				5790	591	2.60				2	6115	- 13	B-101	B-117	B-136
96.7	141	14.4	3340	340	1.01	117	117	11.9	3280	335	1.01	2	6095	- 15	B-100	B-116	B-135			
			5400	550	1.57				5400	550	1.57				2	6100	- 15	B-101	B-117	B-136
			5400	550	2.12				5400	550	2.12				2	6105	- 15	B-101	B-117	B-136
			6560	669	2.37				6180	630	2.37				2	6110	- 15	B-101	B-117	B-136
			6560	669	2.60				6180	630	2.60				2	6115	- 15	B-101	B-117	B-136
85.3	160	16.3	3340	340	1.01	103	132	13.5	3290	336	1.01	2	6095	- 17	B-100	B-116	B-135			
			5400	550	1.33				5400	550	1.33				2	6100	- 17	B-101	B-117	B-136
			5400	550	1.64				5400	550	1.64				2	6105	- 17	B-101	B-117	B-136
			6620	675	2.12				6240	636	2.12				2	6110	- 17	B-101	B-117	B-136
			6620	675	2.60				6240	636	2.60				2	6115	- 17	B-101	B-117	B-136
69.0	197	20.1	3340	340	1.01	83.3	163	16.6	3260	332	1.01	2	6095	- 21	B-100	B-116	B-135			
			5400	550	1.27				5400	550	1.29				2	6100	- 21	B-101	B-117	B-136
			5400	550	1.52				5400	550	1.56				2	6105	- 21	B-101	B-117	B-136
			7020	716	1.81				6620	675	1.81				2	6110	- 21	B-101	B-117	B-136
			7020	716	2.07				6620	675	2.07				2	6115	- 21	B-101	B-117	B-136
58.0	235	23.9	5400	550	1.11	70.0	194	19.8	5400	550	1.11	2	6105	- 25	B-101	B-117	B-136			
			7120	726	1.27				6720	685	1.27				2	6110	- 25	B-101	B-117	B-136
			7120	726	1.48				6720	685	1.48				2	6115	- 25	B-101	B-117	B-136
			8650	882	2.06				8150	831	2.06				2	6120	- 25	B-101	B-117	B-136
			8650	882	2.64				8150	831	2.64				2	6125	- 25	B-101	B-117	B-136
50.0	272	27.7	5400	550	1.06	60.3	226	23.0	5400	550	1.06	2	6105	- 29	B-101	B-117	B-136			
			7290	743	1.27				6900	703	1.27				2	6110	- 29	B-101	B-117	B-136
			7290	743	1.48				6900	703	1.48				2	6115	- 29	B-101	B-117	B-136
			8990	916	1.91				8470	863	1.99				2	6120	- 29	B-101	B-117	B-136
			8990	916	2.31				8470	863	2.51				2	6125	- 29	B-101	B-117	B-136
41.4	328	33.5	4820	491	0.80	50.0	272	27.7	5330	544	0.80	2	6105	- 35	B-101	B-117	B-136			
			7310	745	1.00				7360	751	1.00				2	6110	- 35	B-101	B-117	B-136
			7310	745	1.21				7360	751	1.21				2	6115	- 35	B-101	B-117	B-136
			9490	967	1.58				8940	912	1.66				2	6120	- 35	B-101	B-117	B-136
			9490	967	1.92				8940	912	2.12				2	6125	- 35	B-101	B-117	B-136
33.7	404	41.1	11100	1130	2.37	40.7	334	34.1	10400	1060	2.47	2	6130	- 35	B-102	B-118	B-137			
			11100	1130	2.74				10400	1060	2.83				2	6135	- 35	B-102	B-118	B-137
			7540	769	1.01				7610	776	1.01				2	6115	- 43	B-101	B-117	B-136
			9810	1000	1.27				9510	969	1.27				2	6120	- 43	B-101	B-117	B-136
			9810	1000	1.56				9510	969	1.59				2	6125	- 43	B-101	B-117	B-136
28.4	479	48.8	11900	1210	1.93	34.3	397	40.4	11200	1140	1.99	2	6130	- 43	B-102	B-118	B-137			
			11900	1210	2.23				11200	1140	2.51				2	6135	- 43	B-102	B-118	B-137
			16000	1630	2.63				15900	1620	2.63				2	6140	- 43	B-102	B-118	B-137
			9810	1000	1.09				9810	1000	1.15				2	6120	- 51	B-101	B-117	B-136
			9810	1000	1.31				9810	1000	1.52				2	6125	- 51	B-101	B-117	B-136
16000	1630	2.29	12400	1260	1.70	16000	1630	2.29	11700	1190	1.95	2	6135	- 51	B-102	B-118	B-137			
			16000	1630	2.29				16000	1630	2.29				2	6140	- 51	B-102	B-118	B-137
			16000	1630	2.47				16000	1630	2.81				2	6145	- 51	B-102	B-118	B-137

1. Combinations in bold are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4-F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.

Selection Tables Gearmotors



2.2 kW

n_c: Motor Speed

Hz		50Hz		60Hz	
P		4	6	4	6
n _c	r/min	1450	980	1750	1165

50Hz					60Hz					Nomenclature			Page of Dimension Sheet				
Output Speed n _c	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n _c	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CHHM	CNFM	CNVM		
r/min	N-m	kgf-m	N	kgf	r/min	N-m	kgf-m	N	kgf				CHHM	CHFM	CVVM		
181	110	11.2	2540	259	0.80	219	91.2	9.30	2500	255	0.80	3 - 6095SK	- 8	*3	B-98	-	B-133
			2540	259	1.13				2500	255	1.13	3 - 6105SK	- 8	*3	B-99	-	B-134
			3730	380	1.68				3580	365	1.68	3 - 6110SK	- 8	*3	B-99	-	B-134
			3730	380	2.10				3580	365	2.10	3 - 6115SK	- 8	*3	B-99	-	B-134
			4560	465	1.07				4300	438	1.07	3 - 6100	- 8		B-101	B-117	B-136
			4560	465	1.45				4300	438	1.45	3 - 6105	- 8		B-101	B-117	B-136
145	138	14.0	2610	266	0.80	175	114	11.6	2580	263	0.80	3 - 6095SK	- 10	*3	B-98	-	B-133
			2610	266	1.00				2580	263	1.00	3 - 6105SK	- 10	*3	B-99	-	B-134
			3960	404	1.39				3820	389	1.39	3 - 6110SK	- 10	*3	B-99	-	B-134
			3960	404	1.74				3820	389	1.74	3 - 6115SK	- 10	*3	B-99	-	B-134
			5170	527	1.07				4870	497	1.07	3 - 6100	- 11		B-101	B-117	B-136
			5170	527	1.45				4870	497	1.45	3 - 6105	- 11		B-101	B-117	B-136
132	151	15.4	5900	601	1.61	159	125	12.8	5560	567	1.61	3 - 6110	- 11		B-101	B-117	B-136
			5900	601	1.78				5560	567	1.78	3 - 6115	- 11		B-101	B-117	B-136
			6670	680	2.30				6280	640	2.30	3 - 6120	- 11		B-101	B-117	B-136
			6670	680	2.69				6280	640	2.69	3 - 6125	- 11		B-101	B-117	B-136
			5360	547	1.07				5060	516	1.07	3 - 6100	- 13		B-101	B-117	B-136
			5360	547	1.45				5060	516	1.45	3 - 6105	- 13		B-101	B-117	B-136
112	179	18.2	6090	621	1.77	135	148	15.1	5740	586	1.61	3 - 6110	- 13		B-101	B-117	B-136
			6090	621	1.77				5740	586	1.77	3 - 6115	- 13		B-101	B-117	B-136
			6890	702	2.30				6490	662	2.30	3 - 6120	- 13		B-101	B-117	B-136
			6890	702	2.69				6490	662	2.69	3 - 6125	- 13		B-101	B-117	B-136
			5400	550	1.07				5340	544	1.07	3 - 6100	- 15		B-101	B-117	B-136
			5400	550	1.45				5340	544	1.45	3 - 6105	- 15		B-101	B-117	B-136
96.7	206	21.0	6490	662	1.61	117	171	17.4	6120	624	1.61	3 - 6110	- 15		B-101	B-117	B-136
			6490	662	1.77				6120	624	1.77	3 - 6115	- 15		B-101	B-117	B-136
			7390	753	2.30				6960	710	2.30	3 - 6120	- 15		B-101	B-117	B-136
			7390	753	2.69				6960	710	2.69	3 - 6125	- 15		B-101	B-117	B-136
			5400	550	1.12				5400	550	1.12	3 - 6105	- 17		B-101	B-117	B-136
			5400	550	1.45				5400	550	1.45	3 - 6110	- 17		B-101	B-117	B-136
85.3	234	23.9	6550	668	1.77	103	194	19.8	6180	630	1.77	3 - 6115	- 17		B-101	B-117	B-136
			6550	668	1.77				6180	630	1.77	3 - 6115	- 17		B-101	B-117	B-136
			7460	760	2.22				7030	716	2.22	3 - 6120	- 17		B-101	B-117	B-136
			7460	760	2.57				7030	716	2.57	3 - 6125	- 17		B-101	B-117	B-136
			5400	550	1.04				5400	550	1.04	3 - 6105	- 21		B-101	B-117	B-136
			5400	550	1.24				5400	550	1.24	3 - 6110	- 21		B-101	B-117	B-136
69.0	289	29.5	6920	706	1.41	83.3	240	24.4	6540	667	1.41	3 - 6115	- 21		B-101	B-117	B-136
			6920	706	1.41				6540	667	1.41	3 - 6115	- 21		B-101	B-117	B-136
			8180	834	1.80				7710	786	1.80	3 - 6120	- 21		B-101	B-117	B-136
			8180	834	2.18				7710	786	2.22	3 - 6125	- 21		B-101	B-117	B-136
			9580	976	2.70				9020	919	2.79	3 - 6130	- 21		B-102	B-118	B-137
			7010	716	1.01				6620	675	1.01	3 - 6115	- 25		B-101	B-117	B-136
58.0	344	35.1	8560	873	1.40	70.0	285	29.1	8070	823	1.40	3 - 6120	- 25		B-101	B-117	B-136
			8560	873	1.80				8070	823	1.80	3 - 6125	- 25		B-101	B-117	B-136
			9950	1010	2.27				9370	955	2.35	3 - 6130	- 25		B-102	B-118	B-137
			9950	1010	2.61				9370	955	2.70	3 - 6135	- 25		B-102	B-118	B-137
			7160	730	1.01				6800	693	1.01	3 - 6115	- 29		B-101	B-117	B-136
			7160	730	1.30				6800	693	1.30	3 - 6120	- 29		B-101	B-117	B-136
50.0	399	40.7	8880	905	1.58	60.3	331	33.7	8380	854	1.71	3 - 6125	- 29		B-101	B-117	B-136
			8880	905	1.58				8380	854	1.71	3 - 6125	- 29		B-101	B-117	B-136
			10500	1070	1.95				9850	1000	2.04	3 - 6130	- 29		B-102	B-118	B-137
			10500	1070	2.22				9850	1000	2.56	3 - 6135	- 29		B-102	B-118	B-137
			15000	1530	2.70				14200	1450	2.70	3 - 6140	- 29		B-102	B-118	B-137

GEARMOTORS

Selection Tables
2.2 kW

- **2* indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft direction) or on an adaptor (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- **3* indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 "6000SK Series (Actual Reduction Ratio)" on page A-4 for actual reduction ratio. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with **1* in the SF column. They cannot be operated with 100% motor rating.

Selection Tables




3.0 kW	Hz	50
	P	4
	n _i r/min	1450

50Hz						60Hz						Nomenclature		
Output Speed n ₂ r/min	Output Torque T _{out}		Allowable Radial Load Pro		SF	Output Speed n ₂ r/min	Output Torque T _{out}		Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	
	N·m	kgf·m	N	kgf			N·m	kgf·m	N	kgf				
112	244	24.9	6020	614	1.18	135	202	20.6	5690	580	1.18	4 -	6110 -	
			6020	614	1.30				5690	580	1.30			4 - 6115 -
			6830	696	1.69				6440	657	1.69			4 - 6120 -
			6830	696	1.97				6440	657	1.97			4 - 6125 -
96.7	282	28.7	6410	653	1.18	117	233	23.8	6050	617	1.18	4 -	6110 -	
			6410	653	1.30				6050	617	1.30			4 - 6115 -
			7320	747	1.69				6910	704	1.69			4 - 6120 -
			7320	747	1.97				6910	704	1.97			4 - 6125 -
			8290	845	2.59				7810	796	2.59			4 - 6130 -
85.3	319	32.5	8290	845	2.99	103	264	27.0	7810	796	2.99	4 -	6135 -	
			6460	659	1.06				6110	622	1.06			4 - 6110 -
			6460	659	1.30				6110	622	1.30			4 - 6115 -
			7390	753	1.63				6970	710	1.69			4 - 6120 -
			7390	753	1.89				6970	710	1.89			4 - 6125 -
69.0	394	40.2	8900	907	2.42	83.3	327	33.3	8380	854	2.42	4 -	6130 -	
			8900	907	2.76				8380	854	2.76			4 - 6135 -
			6800	693	1.04				6440	657	1.04			4 - 6115 -
			8090	825	1.32				7640	779	1.32			4 - 6120 -
			8090	825	1.60				7640	779	1.63			4 - 6125 -
58.0	469	47.8	9500	969	1.98	70.0	389	39.6	8960	913	2.05	4 -	6130 -	
			9500	969	2.24				8960	913	2.51			4 - 6135 -
			14000	1430	2.89				13200	1350	2.89			4 - 6140 -
			8450	861	1.03				7980	814	1.03			4 - 6120 -
			8450	861	1.32				7980	814	1.32			4 - 6125 -
50.0	544	55.5	9860	1010	1.66	60.3	451	46.0	9300	948	1.72	4 -	6130 -	
			9860	1010	1.92				9300	948	1.98			4 - 6135 -
			14700	1490	2.30				13900	1410	2.30			4 - 6140 -
			14700	1490	2.64				13900	1410	2.64			4 - 6145 -
			8750	892	1.16				8280	844	1.26			4 - 6125 -
41.4	657	67.0	10400	1060	1.43	50.0	544	55.5	9770	996	1.49	4 -	6130 -	
			10400	1060	1.63				9770	996	1.88			4 - 6135 -
			15000	1530	1.98				14200	1450	1.98			4 - 6140 -
			15000	1530	2.51				14200	1450	2.51			4 - 6145 -
			9190	937	0.96				8700	887	1.06			4 - 6125 -
33.7	807	82.3	10900	1110	1.19	40.7	669	68.2	10300	1050	1.42	4 -	6135 -	
			10900	1110	1.37				10300	1050	1.42			4 - 6135 -
			16000	1630	1.74				15200	1550	1.74			4 - 6140 -
			16000	1630	2.09				15200	1550	2.51			4 - 6145 -
			19100	1950	2.67				18000	1840	3.22			4 - 6160 -
28.4	957	97.6	11600	1180	1.12	34.3	793	80.9	11000	1120	1.26	4 -	6135 -	
			16000	1630	1.31				15800	1610	1.31			4 - 6140 -
			16000	1630	1.56				15800	1610	1.80			4 - 6145 -
			20400	2080	2.15				19200	1960	2.48			4 - 6160 -
			20400	2080	2.60				19200	1960	2.64	4 - 6165 -		
			12000	1220	0.85				11400	1160	0.98	4 - 6135 -		
			16000	1630	1.14				16000	1630	1.14	4 - 6140 -		
			16000	1630	1.23				16000	1630	1.41	4 - 6145 -		
			21200	2160	1.83				20000	2040	1.92	4 - 6160 -		
			21200	2160	2.19				20000	2040	2.51	4 - 6165 -		
			24100	2450	2.55				22700	2310	2.80	4 - 6170 -		

- **2** indicate models manufactured with reducer and motor separately mounted on a common baseplate (horizontal shaft) or (vertical shaft direction). Consult us for details, including dimensions.
- Allowable radial load (Pro) is the value at the midpoint of the slow speed shaft.
- **3** indicate models with reduction ratios equal to nominal ratio. Refer to Table A-3 *6000SK Series (Actual Reduction Ratio) for details. Indicated reduction ratio is the same as actual reduction ratio for other models.
- Maintain torque load during operation within "Output torque" in the table for models with "**1**" in the SF column. They are within motor rating.

Selection Tables Gearmotors

3.7 kW		n: Motor Speed																				
		Hz		50Hz		60Hz																
		P		4	6	4	6															
n ₁	r/min	1450	980	1750	1165																	
																						
		50Hz				60Hz				Nomenclature			Page of Dimension Sheet									
Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Output Speed n ₂	Output Torque Tout	Allowable Radial Load Pro		SF	Input Capacity Symbol	Frame Size	Reduction Ratio	CNHM	CNFM	CNVM							
r/min	N·m	kgf·m	N	kgf	r/min	N·m	kgf·m	N	kgf				CHHM	CHFM	CVVM							
58.0	579	59.0	8350	851	1.07	70.0	480	48.9	7900	806	1.07	5 -	6125	-	25	B-101	B-117	B-136				
			9790	998	1.35				9240	942	1.39	5 -	6130	-	25	B-102	B-118	B-137				
			9790	998	1.55				9240	942	1.61	5 -	6135	-	25	B-102	B-118	B-137				
			14600	1490	1.86				13800	1410	1.86	5 -	6140	-	25	B-102	B-118	B-137				
			14600	1490	2.14				13800	1410	2.14	5 -	6145	-	25	B-102	B-118	B-137				
			17200	1760	2.66			16200	1650	2.66	5 -	6160	-	25	B-103	B-119	B-138					
50.0	671	68.4	8640	880	0.94	60.3	556	56.7	8180	834	1.02	5 -	6125	-	29	B-101	B-117	B-136				
			10300	1050	1.16				9700	989	1.21	5 -	6130	-	29	B-102	B-118	B-137				
			10300	1050	1.32				9700	989	1.52	5 -	6135	-	29	B-102	B-118	B-137				
			14900	1520	1.61				14200	1440	1.61	5 -	6140	-	29	B-102	B-118	B-137				
			14900	1520	2.04				14200	1440	2.04	5 -	6145	-	29	B-102	B-118	B-137				
			18000	1830	2.58			16900	1730	2.84	5 -	6160	-	29	B-103	B-119	B-138					
41.4	810	82.6	10800	1100	1.11	50.0	671	68.4	10200	1040	1.15	5 -	6135	-	35	B-102	B-118	B-137				
			16000	1630	1.41				15100	1540	1.41	5 -	6140	-	35	B-102	B-118	B-137				
			16000	1630	1.69				15100	1540	2.04	5 -	6145	-	35	B-102	B-118	B-137				
			19100	1940	2.16				17900	1830	2.61	5 -	6160	-	35	B-103	B-119	B-138				
			19100	1940	2.59				17900	1830	3.08	5 -	6165	-	35	B-103	B-119	B-138				
33.7	995	101	11500	1170	0.91	40.7	825	84.1	10900	1110	1.02	5 -	6135	-	43	B-102	B-118	B-137				
			16000	1630	1.06				15800	1610	1.06	5 -	6140	-	43	B-102	B-118	B-137				
			16000	1630	1.26				15800	1610	1.46	5 -	6145	-	43	B-102	B-118	B-137				
			20300	2070	1.74				19200	1950	2.01	5 -	6160	-	43	B-103	B-119	B-138				
			20300	2070	2.11				19200	1950	2.14	5 -	6165	-	43	B-103	B-119	B-138				
			23000	2350	2.45			21700	2210	2.64	5 -	6170	-	43	B-103	B-119	B-138					
28.4	1180	120	16000	1630	1.00	34.3	978	99.7	16000	1630	1.14	5 -	6145	-	51	B-102	B-118	B-137				
			21100	2150	1.49				19900	2030	1.55	5 -	6160	-	51	B-103	B-119	B-138				
			21100	2150	1.78				19900	2030	2.04	5 -	6165	-	51	B-103	B-119	B-138				
			24000	2440	2.07				22600	2300	2.27	5 -	6170	-	51	B-103	B-119	B-138				
			24000	2440	2.67				22600	2300	3.05	5 -	6175	-	51	B-103	B-119	B-138				
24.6	1370	139	16000	1630	0.86	29.7	1130	115	16000	1630	0.98	5 -	6145	-	59	B-102	B-118	B-137				
			22100	2250	1.19				22100	2250	1.19	5 -	6160	-	59	B-103	B-119	B-138				
			22100	2250	1.54				22100	2250	1.55	5 -	6165	-	59	B-103	B-119	B-138				
			25100	2560	1.79				23700	2410	1.93	5 -	6170	-	59	B-103	B-119	B-138				
			25100	2560	2.24				23700	2410	2.24	5 -	6175	-	59	B-103	B-119	B-138				
			33600	3430	2.64			31600	3220	2.64	5 -	6180	-	59	B-104	B-120	B-139					
20.4	1640	168	22100	2250	1.28	24.6	1360	139	21900	2240	1.53	5 -	6165	-	71	B-103	B-119	B-138				
			26500	2710	1.49				25000	2550	1.60	5 -	6170	-	71	B-103	B-119	B-138				
			26500	2710	1.89				25000	2550	1.93	5 -	6175	-	71	B-103	B-119	B-138				
			35700	3640	2.38				33600	3430	2.38	5 -	6180	-	71	B-104	B-120	B-139				
			35700	3640	2.65				33600	3430	2.65	5 -	6185	-	71	B-104	B-120	B-139				
16.7	2010	205	21800	2230	1.02	20.1	1670	170	21800	2220	1.05	5 -	6165	-	87	B-103	B-119	B-138				
			28400	2890	1.24				26800	2730	1.30	5 -	6170	-	87	B-103	B-119	B-138				
			28400	2890	1.52				26800	2730	1.52	5 -	6175	-	87	B-103	B-119	B-138				
			38400	3920	1.93				36200	3690	1.93	5 -	6180	-	87	B-104	B-120	B-139				
			38400	3920	2.32				36200	3690	2.32	5 -	6185	-	87	B-104	B-120	B-139				
13.9	2280	233	1760	179	22100	2250	*1	16.8	1890	193	1760	179	22100	2250	*1	5 -	6160DC	-	104	B-111	B-127	B-146
			22100	2250	0.92	22100	2250				1.11	5 -	6165DC	-	104	B-111	B-127	B-146				
			29500	3010	1.11	29000	2960				1.34	5 -	6170DC	-	104	B-111	B-127	B-146				
			29500	3010	1.38	29000	2960				1.67	5 -	6175DC	-	104	B-111	B-127	B-146				
			40900	4170	1.78	38500	3930				2.15	5 -	6180DB	-	104	B-111	B-127	B-146				
			40900	4170	2.15	38500	3930				2.59	5 -	6185DB	-	104	B-111	B-127	B-146				
			57200	5830	2.80	53800	5490				3.22	5 -	6190DB	-	104	B-112	B-128	B-147				

1. Combinations in bold are the recommended models for operations for 10 hours/day with uniform load (service factor is about 1.0 for motor rating at 50Hz).
2. Motor slippage may affect n₁ and n₂. Refer to technical data for details.
3. CNHM, CHHM, CNFM, CHFM, CNVM, and CVVM indicate types. Refer to page B-10 for details.
4. Lubrication method is different for each model. Refer to "Lubrication" section in page F-4-F-5 for details.
5. "6" at the end of "input capacity symbol" indicates models with 6P motor. Other models come with 4P motor.