

# Motor Specifications

## 3-Phase Standard Voltage(3 Rated)

Characteristics for motor itself

Capacity	Motor Capacity	Voltage ( V )	Frequency ( Hz )	Rated Rotation Speed ( rpm )	Current Characteristics		Torque Characteristic		Remarks		
					Rated Current ( A )	Starting Current ( A )	Starting Torque ( % )	Braking Torque ( % )			
50W	T50	200	50	1350	0.40	1.04	264	270	Reduction ratio of less than 1/240 and over 1/1200		
		200	60	1550	0.36	0.97	241	246			
		220	60	1600	0.36	1.07	303	309			
				200	50	1350	0.42	0.94	194	198	Reduction ratio of 1/300 ~ 1/900
				200	60	1550	0.39	0.86	168	175	
				220	60	1550	0.39	1.00	218	227	
0.1kW	T010	200	50	1420	0.61	2.39	215	258			
		200	60	1700	0.54	2.27	190	238			
		220	60	1720	0.54	2.52	245	300			
0.2kW	T020	200	50	1420	1.1	4.70	215	248			
		200	60	1710	1.0	4.35	195	225			
		220	60	1720	1.0	4.85	238	279			
0.4kW	T040	200	50	1410	2.1	9.50	220	265			
		200	60	1690	1.8	8.60	190	234			
		220	60	1710	1.8	9.60	236	289			
0.75kW	075	200	50	1430	3.7	17.7	246	266			
		200	60	1720	3.3	16.7	228	244			
		220	60	1730	3.2	17.7	258	297			
1.5kW	150	200	50	1430	6.6	37.0	264	280			
		200	60	1720	6.1	33.5	232	248			
		220	60	1730	5.8	34.9	254	301			
2.2kW	220	200	50	1410	9.0	46.6	245	252			
		200	60	1690	8.6	41.2	202	225			
		220	60	1710	8.0	45.6	251	275			

## 1-Phase Standard Voltage

Characteristics for motor itself

Capacity	Motor Capacity	Voltage ( V )	Frequency ( Hz )	Rated Rotation Speed ( rpm )	Current Characteristics		Torque Characteristic	
					Rated Current ( A )	Starting Current ( A )	Starting Torque ( % )	Braking Torque ( % )
100W	S100 <small>Note 1</small>	100	50	1400	1.7	4.40	60	165
		100	60	1700	1.9	4.07	70	172
	100 <small>Note 1</small>	100	50	1420	2.7	10.5	220	188
		100	60	1710	2.4	10.5	204	184
200W	200	100	50	1420	5.1	20.0	276	194
		100	60	1700	4.5	20.0	294	187
400W	400	100	50	1440	8.7	32.0	210	189
		100	60	1730	7.9	32.0	205	178

**Note 1** )Corresponding models for the motor capacity code S100W are F-Series, F3-Series and H2-Series, and that for 100W is G3-Series.

- Parallel Shaft ( Performance Table/Dimension )
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer ( Double Shaft )
- S-Type Reducer
- Right Angle Shaft ( Performance Table/Dimension )
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce ( Double Shaft )
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce ( Double Shaft )
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer ( Parallel Shaft )
- S-Type Reducer
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- GT-STEP Index Gearmotor
- KOMPASS Gearbox

### 3-Phase High Voltage (4 Rated)

Characteristics for motor itself

Capacity	Motor Capacity	Voltage	Frequency	Rated Rotation Speed	Current Characteristics		Torque Characteristic		Remarks
		( V )	( Hz )	( rpm )	Rated Current ( A )	Starting Current ( A )	Starting Torque ( % )	Braking Torque ( % )	
50W	T50W	380	50	1300	0.20	0.46	183	192	Ratio 1/240 and below
		400	50	1300	0.20	0.48	216	219	
		400	60	1550	0.18	0.46	190	201	
		440	60	1600	0.18	0.50	258	260	
		380	50	1250	0.20	0.38	155	171	Reduction ratio of 1/300 ~ 1/900
		400	50	1300	0.20	0.40	174	191	
		400	60	1500	0.20	0.38	155	178	
		440	60	1550	0.20	0.41	193	215	
		380	50	1300	0.17	0.43	167	169	Ratio 1/1200 and above
		400	50	1350	0.17	0.45	194	200	
		400	60	1550	0.17	0.43	170	183	
		440	60	1600	0.17	0.47	222	230	
0.1kW	T010W	380	50	1410	0.31	1.12	180	224	
		400	50	1420	0.31	1.18	199	250	
		400	60	1700	0.28	1.12	180	233	
		440	60	1720	0.28	1.22	217	285	
0.2kW	T020W	380	50	1420	0.56	2.29	192	230	
		400	50	1430	0.56	2.38	220	257	
		400	60	1710	0.50	2.29	214	239	
		440	60	1730	0.50	2.48	258	294	
0.4kW	T040W	380	50	1410	1.0	4.35	194	225	
		400	50	1420	1.0	4.65	216	258	
		400	60	1700	0.9	4.30	184	232	
		440	60	1720	0.9	4.75	221	286	
0.75kW	075W	380	50	1430	1.8	8.15	202	233	
		400	50	1440	1.8	8.65	228	258	
		400	60	1730	1.7	8.15	207	236	
		440	60	1740	1.6	8.95	252	287	
1.5kW	150W	380	50	1430	3.3	17.5	218	258	
		400	50	1440	3.3	18.5	245	278	
		400	60	1730	3.0	16.5	200	245	
		440	60	1740	2.9	18.3	248	298	
2.2kW	220W	380	50	1410	4.6	22.3	215	226	
		400	50	1420	4.5	23.6	243	252	
		400	60	1700	4.3	20.9	200	224	
		440	60	1720	4.0	23.1	247	273	

Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer

### 1-Phase High Voltage

Characteristics for motor itself

Capacity	Motor Capacity	Voltage	Frequency	Rated Rotation Speed	Current Characteristics		Torque Characteristic	
		( V )	( Hz )	( rpm )	Rated Current ( A )	Starting Current ( A )	Starting Torque ( % )	Braking Torque ( % )
100W	S100W <small>Note 1</small>	200	50	1410	0.82	2.10	65	163
		200	60	1700	0.96	2.00	81	178
	100W <small>Note 1</small>	200	50	1420	1.3	5.4	222	194
		200	60	1710	1.2	5.4	200	182
200W	200W	200	50	1420	2.5	10.0	254	203
		200	60	1700	2.2	10.0	250	205
400W	400W	200	50	1440	4.3	19.0	181	240
		200	60	1730	3.9	18.0	190	217

**Note 1** )Corresponding models for the motor capacity code S100W are F-Series, F3-Series and H2-Series, and that for 100W is G3-Series.

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