

感应减速电机 INDUCTION GEAR MOTOR

6W 60mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
2IK6GN-C	2IK6A-C	6	1ph220	50	0.13	1200	44	65	0.8/450
				60	0.12	1450	34	65	
2IK6GN-A	2IK6A-A	6	1ph110	50	0.24	1200	44	64	3.0/250
				60	0.21	1450	40	65	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAit means the voltage 110v. the assembly capacitor vaule it is according the label.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

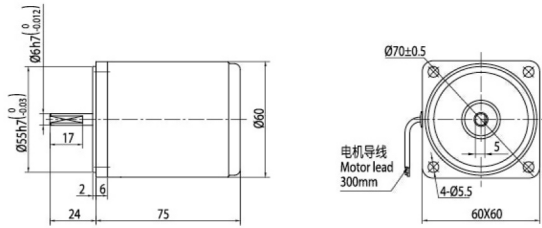
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	0.10	0.13	0.18	0.21	0.27	0.32	0.36	0.45	0.54	0.64	0.70	0.80	0.96	1.16	1.29	1.61	1.74	2.17	2.60	2.89	3.00	3.00	3.00	3.00
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.09	0.11	0.15	0.18	0.23	0.27	0.30	0.38	0.45	0.54	0.60	0.68	0.82	0.98	1.09	1.36	1.47	1.84	2.20	2.45	2.94	3.00	3.00	3.00

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围2~20%。
- 表中■色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩×减速比×传动效率计算而得。
- 减速箱的最大容许转矩为3N.M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The ■ box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 3N.M.

● 外形尺寸 (单位mm) Dimension (unit mm)

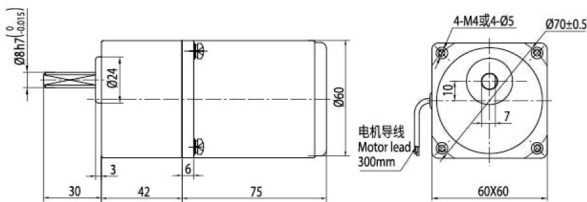
● 圆轴电机

重量 Weighr: 0.75kg



● 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 1.15kg



● 短箱体 Short Gear Box

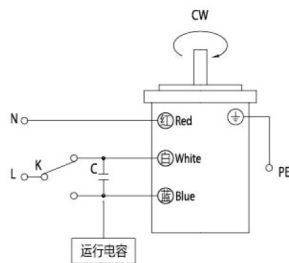
● 其中速比 3~18 可以做成短型减速箱, 高度为 32mm。Gear ratio 3~18, short case is possible, Height of 32 mm.

● 接线图 Wiring Diagram

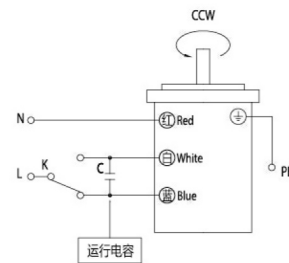
- 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型, 圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type

2IK6GN-A、2IK6GN-C

顺时针方向 CW



逆时针方向 CCW



● 请注意 Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

15W 70mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
3IK15GN-C	3IK15A-C	15	1ph220	50	0.17	1250	125	84	1.2/450
				60	0.17	1450	92	86	
3IK15GN-A	3IK15A-A	15	1ph110	50	0.34	1250	127	109	5.0/250
				60	0.35	1450	94	120	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note “sAit means the voltage 110v. the assembly capacitor vaule it is according the label.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

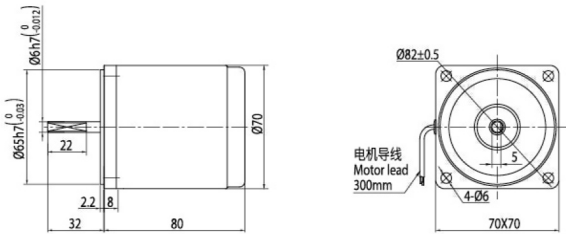
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	1.05	0.36	0.50	0.61	0.76	0.91	1.01	1.26	1.5	1.64	1.82	2.27	2.73	3.27	3.63	4.54	4.90	5	5	5	5	5	5	5
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.22	0.27	0.37	0.45	0.56	0.67	0.74	0.93	1.11	1.20	1.34	1.67	2.01	2.41	2.67	3.34	3.11	4.11	5	5	5	5	5	5

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围2~20%。
- 表中■色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩×减速比×传动效率计算而得。
- 减速箱的最大容许转矩为5N.M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The ■ box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 5N.M.

● 外形尺寸 (单位mm) Dimension (unit mm)

● 圆轴电机

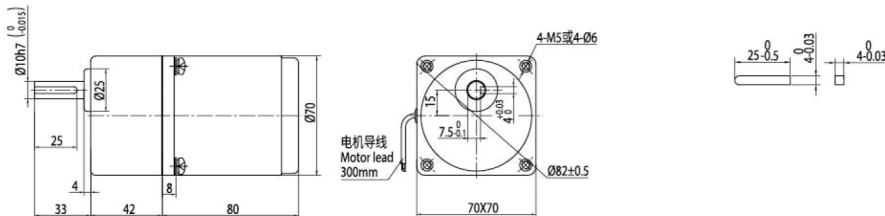
重量 Weighr: 1.1kg



● 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 1.6kg

● 键 (减速器附件)



● 短箱体 Short Gear Box

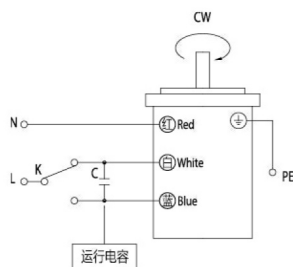
● 其中速比 3~15 可以做成短型减速箱, 高度为 32mm。Gear ratio 3~15, short case is possible, Height of 32 mm.

● 接线图 Wiring Diagram

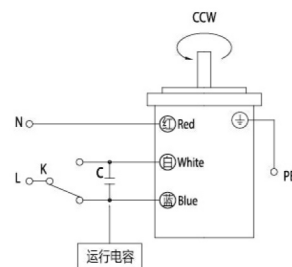
- 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型, 圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type

3IK15GN-A、3IK15GN-C

顺时针方向 CW



逆时针方向 CCW



● 请注意 Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

25W 80mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequency	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
4IK25GN-C	4IK25A-C	25	1ph220	50	0.24	1250	184	165	1.8/450
				60	0.24	1550	149	168	
4IK25GN-A	4IK25A-A	25	1ph110	50	0.54	1250	201	144	7.0/250
				60	0.50	1550	152	154	
4IK25GN-S	4IK25A-S	25	3ph220	50	0.26	1250	181	543	/
				60	0.21	1550	150	389	
4IK25GN-S3	4IK25A-S3	25	3ph380	50	0.15	1250	182	556	/
				60	0.12	1550	149	400	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according to the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

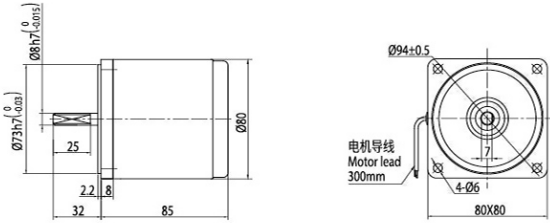
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	0.45	0.54	0.75	0.90	1.12	1.35	1.50	1.87	2.25	2.69	2.99	3.37	4.04	4.85	5.39	6.74	7.27	8	8	8	8	8	8	8
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.36	0.44	0.61	0.73	0.91	1.09	1.21	1.52	1.82	2.18	2.43	2.73	3.27	3.93	4.37	5.46	6.55	8	8	8	8	8	8	8

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围2~20%。
- 表中色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为8N.M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 8N.M.

● 外形尺寸 (单位mm) Dimension (unit mm)

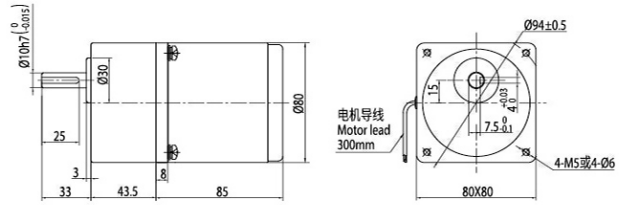
● 圆轴电机

重量 Weighr: 1.6kg



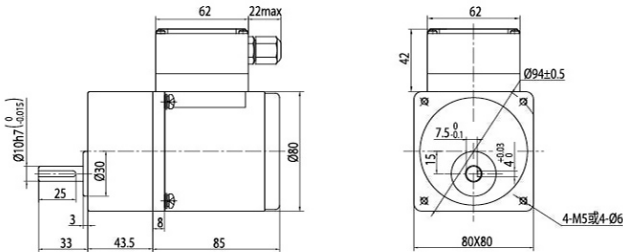
● 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 2.4kg



● 组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 2.55kg

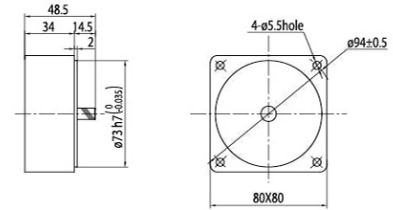


● 中间齿轮箱 Decimal Gearhead

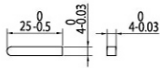
可安装在齿轮轴型上 Can be connected to GN pinion shaft type

电动机外形与齿轮轴型相同 4GN10XK

重量 Weight: 0.41kg



● 键 (减速器附件)



● 短箱体 Short Gear Box

● 其中速比 3~20 可以做短型减速箱, 高度为 32mm。Gear ratio 3~20, short case is possible, Height of 32 mm.

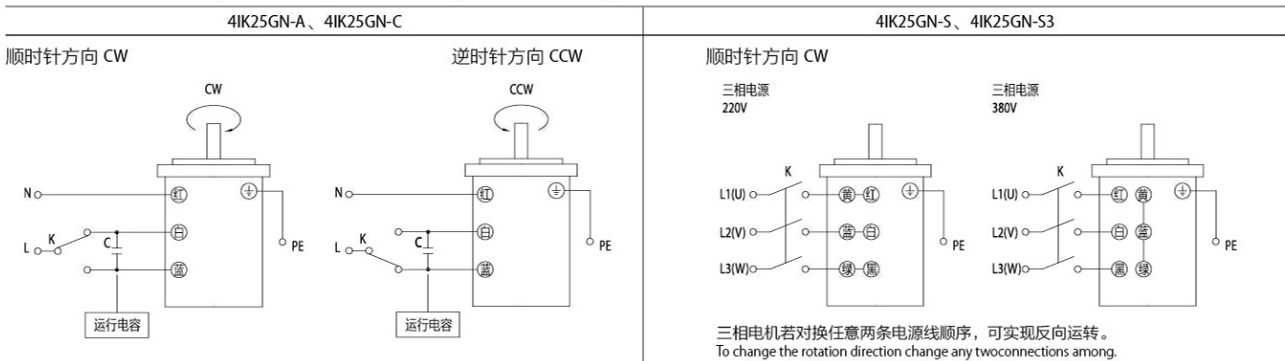
● 接线图 Wiring Diagram

● 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。

● 表中所记型号为齿轮轴型, 圆轴型亦同。

● The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.

● Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



● 请注意 Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

40W 90mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
5IK40GN-C	5IK40A-C	40	1ph220	50	0.35	1350	294	194	2.5/450
				60	0.35	1550	232	199	
5IK40GN-A	5IK40A-A	40	1ph110	50	0.64	1350	286	226	10.0/250
				60	0.66	1550	234	231	
5IK40GN-S	5IK40A-S	40	3ph220	50	0.32	1350	284	1130	/
				60	0.28	1550	241	846	
5IK40GN-S3	5IK40A-S3	40	3ph380	50	0.18	1350	284	1086	/
				60	0.16	1550	241	837	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

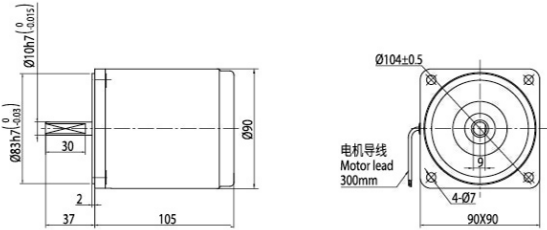
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	0.71	0.86	1.19	1.43	1.79	2.14	2.38	2.98	3.57	3.86	4.29	5.36	6.43	7.72	7.72	9.64	10	10	10	10	10	10	10	10
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.56	0.68	0.94	1.13	1.41	1.69	1.88	2.35	2.82	3.04	3.38	4.23	5.07	6.09	6.09	7.61	9.13	10	10	10	10	10	10	10

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 10N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 10N·M.

●外形尺寸 (单位mm) Dimension (unit mm)

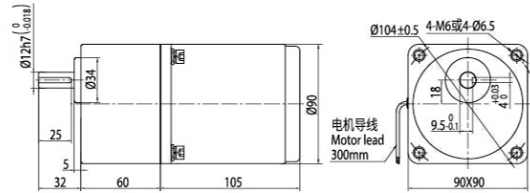
●圆轴电机

重量 Weighr: 2.4kg



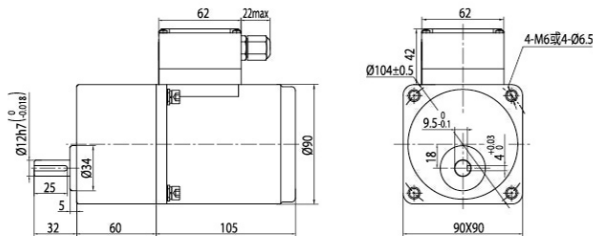
●组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 3.75kg



●组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)

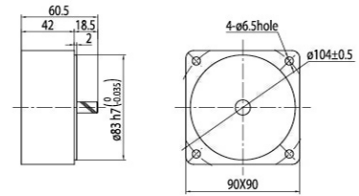
重量 Weighr: 3.9kg



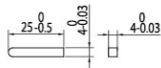
●中间齿轮箱 Decimal Gearhead

可安装在 GN 齿轮轴型上 Can be connected to GN pinion shaft type
 电动机外形与齿轮轴型相同 5GN10XK

重量 Weight: 0.6kg



●键 (减速器附件)

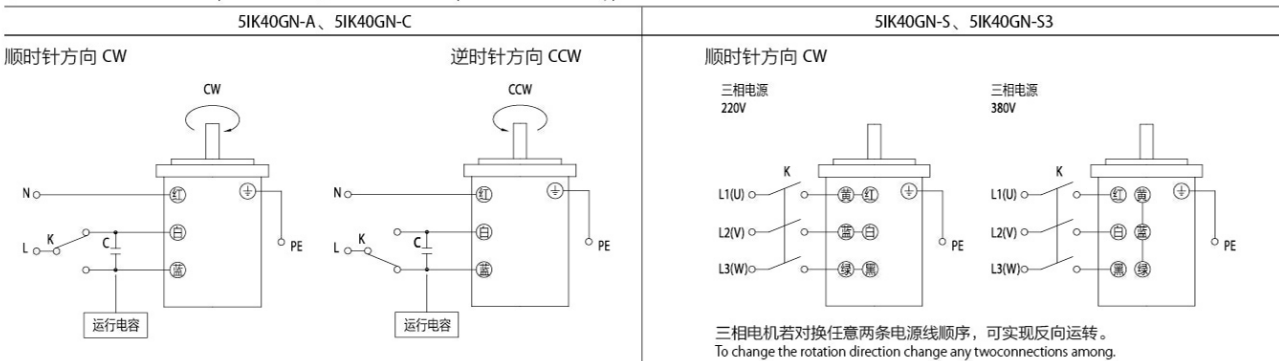


●短箱体 Short Gear Box

●其中速比 3~20 可以做成短型减速箱, 高度为 42mm。Gear ratio 3~20, short case is possible, Height of 42 mm.

●接线图 Wiring Diagram

- 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型, 圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



●请注意 Note

单相电机运转方向的转换应在电机停止后进行。
 若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。
 Change the direction of single-phase motor rotation only after bring the motor to a stop.
 If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

60W 90mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
5IK60GN-CF	5IK60A-CF	60	1ph220	50	0.50	1350	427	384	4.0/450
				60	0.54	1550	353	384	
5IK60GN-AF	5IK60A-AF	60	1ph110	50	0.91	1350	431	349	15.0/250
				60	1.01	1550	355	360	
5IK60GN-SF	5IK60A-SF	60	3ph220	50	0.38	1350	465	1110	/
				60	0.35	1550	390	840	
5IK60GN-S3F	5IK60A-S3F	60	3ph380	50	0.22	1350	464	1080	/
				60	0.20	1550	390	837	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

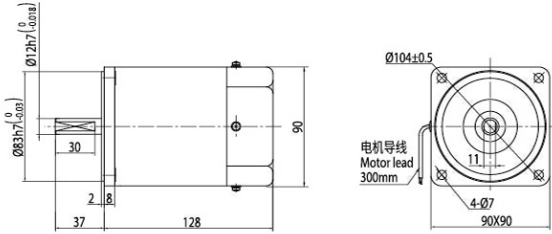
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	0.99	1.18	1.64	1.97	2.47	2.96	3.29	4.11	4.93	5.33	5.92	7.40	8.88	10	10	10	10	10	10	10	10	10	10	10
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.86	1.03	1.43	1.72	2.14	2.57	2.86	3.57	4.29	4.63	5.15	6.43	7.72	9.26	9.5	10	10	10	10	10	10	10	10	10

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 10N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 10N·M.

●外形尺寸 (单位mm) Dimension (unit mm)

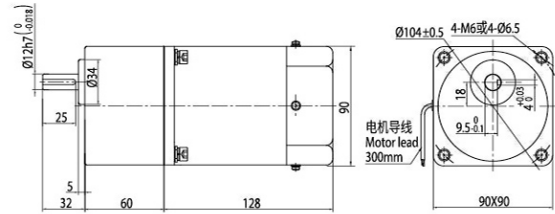
●圆轴电机

重量 Weighr: 2.7kg



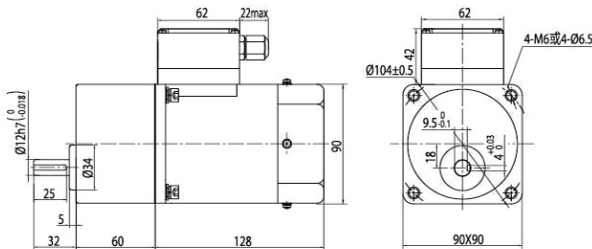
●组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 4.05kg



●组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)

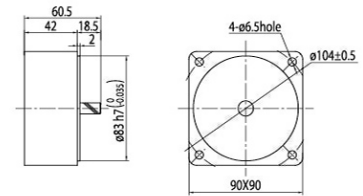
重量 Weighr: 4.2kg



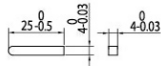
●中间齿轮箱 Decimal Gearhead

可安装在 GN 齿轮轴型上 Can be connected to GN pinion shaft type
 电动机外形与齿轮轴型相同 5GN10XK

重量 Weight: 0.6kg



●键 (减速器附件)



●短箱体 Short Gear Box

●其中速比 3~18 可以做成短型减速箱, 高度为 42mm。Gear ratio 3~18, short case is possible, Height of 42 mm.

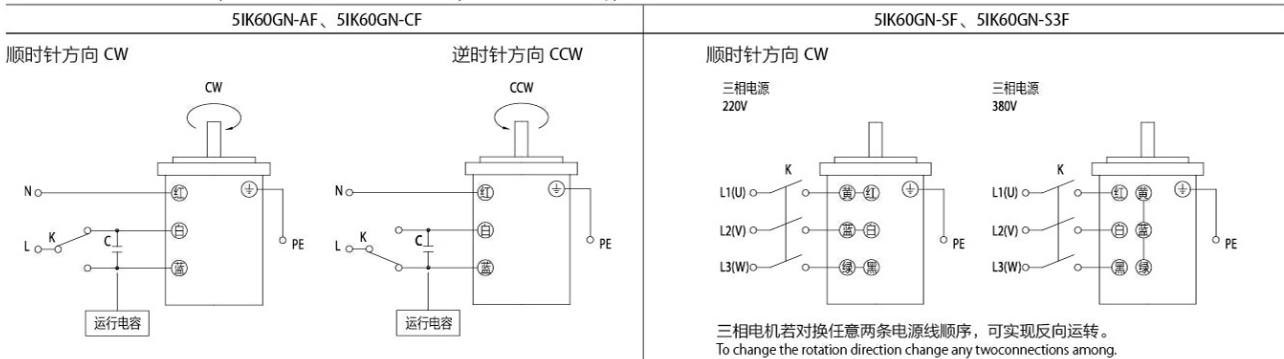
●接线图 Wiring Diagram

●运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。

●表中所记型号为齿轮轴型, 圆轴型亦同。

●The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.

●Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



●请注意 Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

60W 90mm



电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequency	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/AC
5IK60GU-CF	5IK60A-CF	60	1ph220	50	0.50	1350	427	384	4.0/450
				60	0.54	1550	353	384	
5IK60GU-AF	5IK60A-AF	60	1ph110	50	0.91	1350	431	349	15.0/250
				60	1.01	1550	355	360	
5IK60GU-SF	5IK60A-SF	60	3ph220	50	0.38	1350	465	1110	/
				60	0.35	1550	390	840	
5IK60GU-S3F	5IK60A-S3F	60	3ph380	50	0.22	1350	464	1080	/
				60	0.20	1550	390	837	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

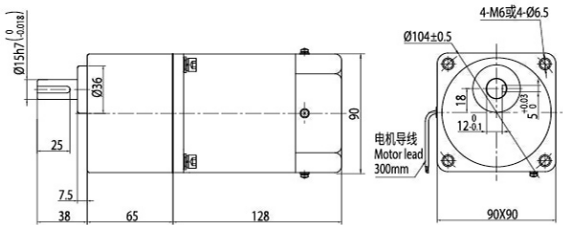
减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	0.99	1.18	1.64	1.97	2.47	2.96	2.96	3.70	4.44	5.33	5.33	6.66	7.99	9.59	10.66	13.32	15.98	19.98	20	20	20	20	20	20
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	0.86	1.03	1.43	1.72	2.14	2.57	2.87	3.22	3.86	4.63	5.01	5.79	6.95	8.34	9.26	11.58	13.90	17.37	18.76	20	20	20	20	20

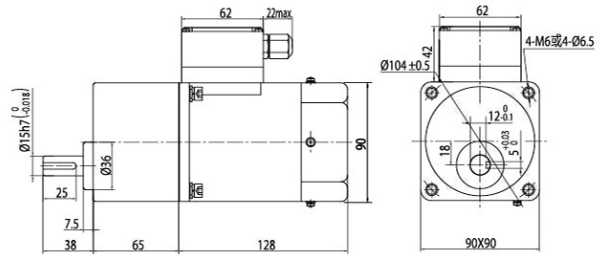
- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 20N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 20N·M.

●外形尺寸 (单位mm) Dimension (unit mm)

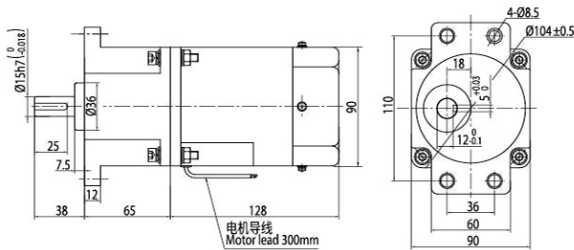
- 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)
- 重量 Weighr: 4.15kg



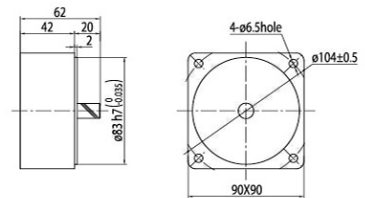
- 组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)
- 重量 Weighr: 4.2kg



- 组合: 引线型电机 + 带耳型减速箱 (减速比 1:3~200)
- 重量 Weighr: 4.35kg



- 中间齿轮箱 Decimal Gearhead
- 可安装在 GU 齿轮轴型上 Can be connected to GU pinion shaft type
- 电动机外形与齿轮轴型相同 5GU10XX
- 重量 Weight: 0.7kg

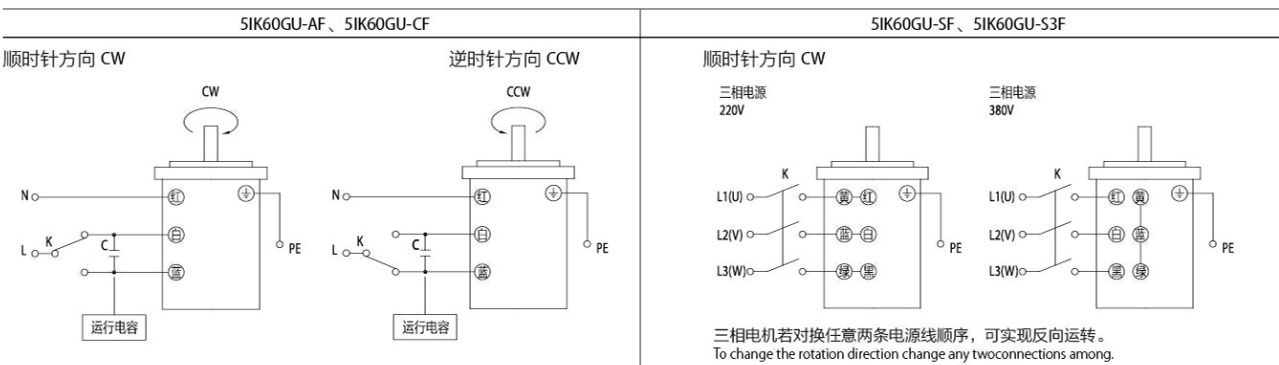


- 键 (减速器附件)



●接线图Wiring Diagram

- 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型, 圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



●请注意Note

单相电机运转方向的转换应在电机停止后进行。
 若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。
 Change the direction of single-phase motor rotation only after bring the motor to a stop.
 If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

90W 90mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequency	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/AC
5IK90GU-CF	5IK90A-CF	90	1ph220	50	0.64	1350	643	459	5.0/450
				60	0.71	1550	530	450	
5IK90GU-AF	5IK90A-AF	90	1ph110	50	1.26	1350	646	475	20.0/250
				60	1.40	1550	525	489	
5IK90GU-SF	5IK90A-SF	90	3ph220	50	0.74	1350	625	2800	/
				60	0.61	1550	527	2150	
5IK90GU-S3F	5IK90A-S3F	90	3ph380	50	0.42	1350	625	2660	/
				60	0.35	1550	519	2030	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为 110V 时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

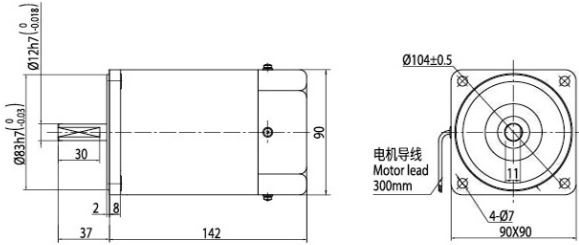
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	1.563	1.88	2.60	3.125	3.91	4.69	5.1	5.86	7.03	8.44	8.8	10.55	12.66	15.19	16.88	20	20	20	20	20	20	20	20	20
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	1.29	1.55	2.15	2.58	3.22	3.86	4.3	4.83	5.80	6.96	7.3	8.69	10.43	12.52	13.91	17.39	20	20	20	20	20	20	20	20

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 20N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 20N·M.

● 外形尺寸 (单位mm) Dimension (unit mm)

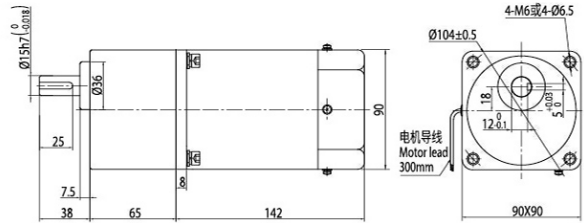
● 圆轴电机

重量 Weighr: 2.7kg



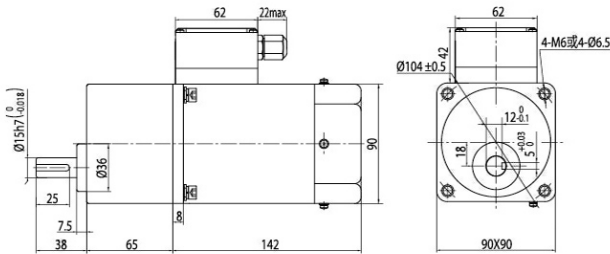
● 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 4.2kg



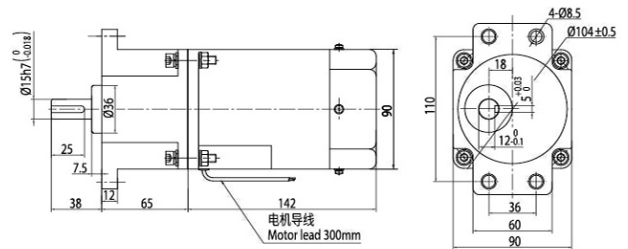
● 组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 4.35kg



● 组合: 引线型电机 + 带耳型减速箱 (减速比 1:3~200)

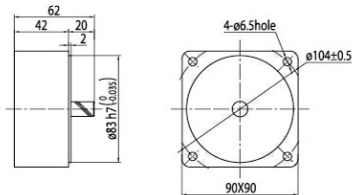
重量 Weighr: 4.2kg



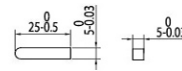
● 中间齿轮箱 Decmal Gearhead

可安装在 GU 齿轮轴型上 Can be connected to GU pinion shafte type
 电动机外形与齿轮轴型相同 5GU10XK

重量 Weight: 0.7kg



● 键 (减速器附件)



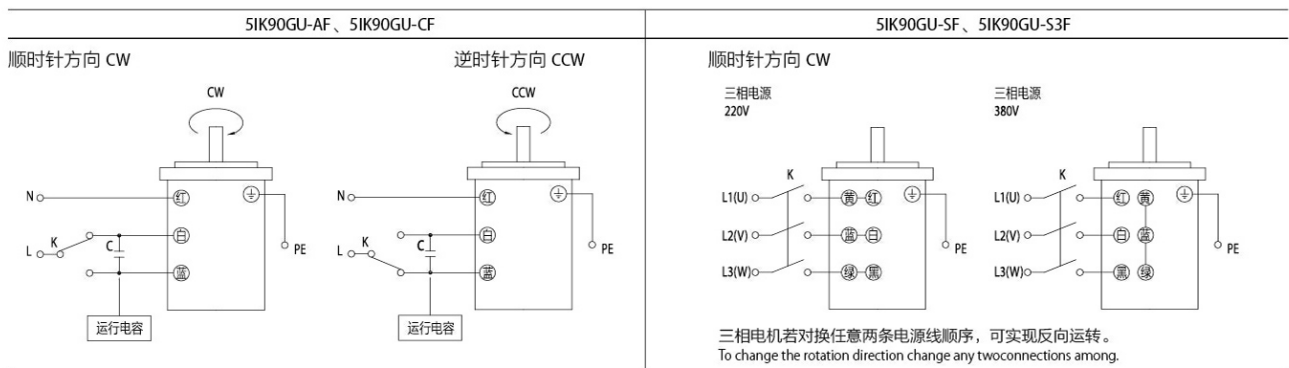
● 接线图 Wiring Diagram

● 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。

● 表中所记型号为齿轮轴型, 圆轴型亦同。

● The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.

● Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



● 请注意 Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

120W 90mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/AC
5IK120GU-CF	5IK120A-CF	120	1ph220	50	0.87	1350	874	663	6.0/450
				60	0.90	1550	709	655	
5IK120GU-AF	5IK120A-AF	120	1ph110	50	1.79	1350	919	500	25.0/250
				60	1.65	1550	740	524	
5IK120GU-SF	5IK120A-SF	120	3ph220	50	0.81	1350	879	2800	/
				60	0.70	1550	735	2150	
5IK120GU-S3F	5IK120A-S3F	120	3ph380	50	0.46	1350	879	2660	/
				60	0.40	1550	731	2030	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

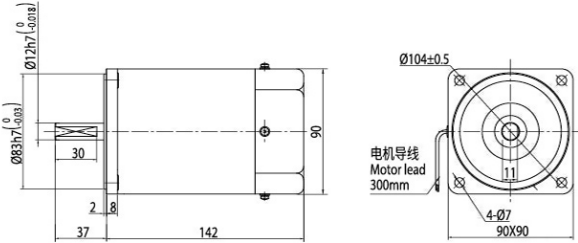
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	2.12	2.55	3.54	4.25	5.31	6.37	6.9	7.96	9.56	11.47	12	14.36	17.20	20	20	20	20	20	20	20	20	20	20	20
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	1.72	2.07	2.87	3.45	4.31	5.17	5.8	6.46	7.75	9.30	9.9	11.63	13.96	16.75	18.61	20	20	20	20	20	20	20	20	20

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为20N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 20N·M.

●外形尺寸 (单位mm) Dimension (unit mm)

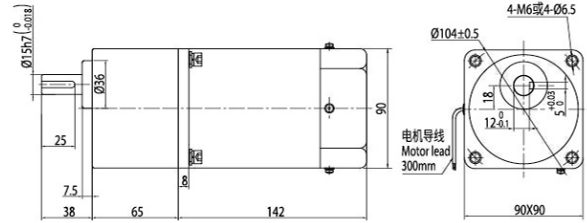
●圆轴电机

重量 Weighr: 3.4kg



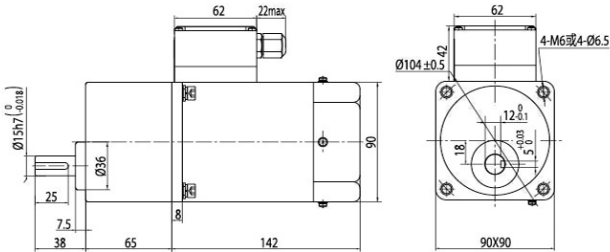
●组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 4.9kg



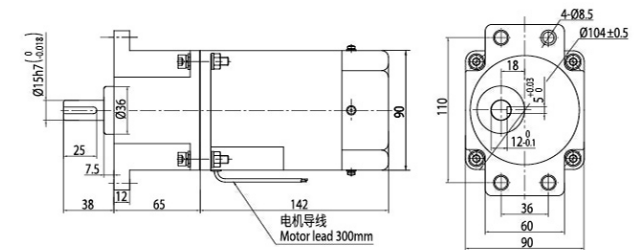
●组合: 接线盒 (可选, 详见 P148) 型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 5.05kg



●组合: 引线型电机 + 带耳型减速箱 (减速比 1:3~200)

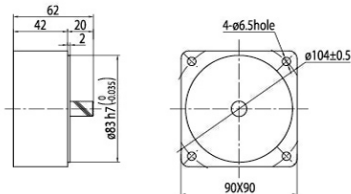
重量 Weighr: 4.9kg



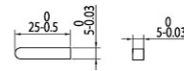
●中间齿轮箱 Decimal Gearhead

可安装在 GU 齿轮轴型上 Can be connected to GU pinion shaft type
 电动机外形与齿轮轴型相同 5GU10XK

重量 Weight: 0.7kg

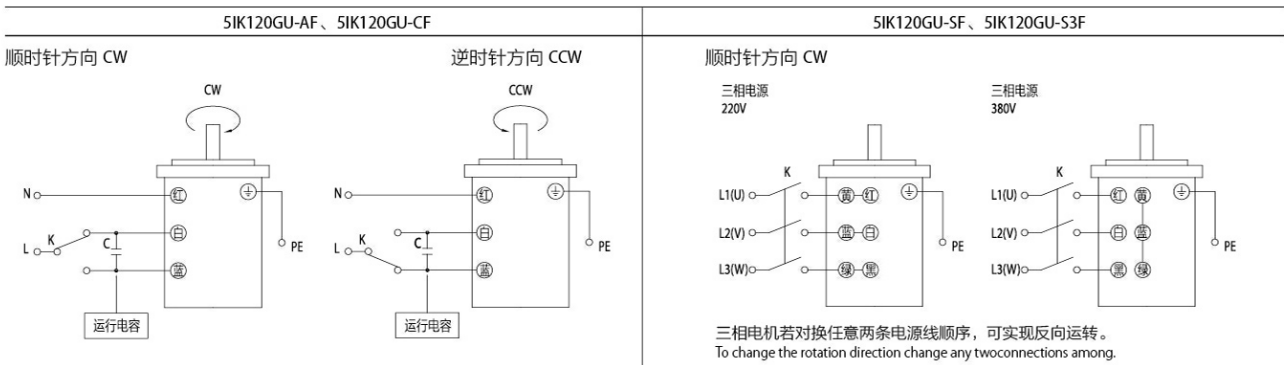


●键 (减速器附件)



●接线图Wiring Diagram

- 运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型, 圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



●请注意Note

单相电机运转方向的转换应在电机停止后进行。
 若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。
 Change the direction of single-phase motor rotation only after bring the motor to a stop.
 If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

200W 104mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequency	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
6IK200GU-CF	6IK200A-CF	200	1ph220	50	1.30	1350	1414	1050	10.0/450
				60	1.30	1550	1060	900	
6IK200GU-AF	6IK200A-AF	200	1ph110	50	2.60	1350	1310	950	35.0/250
				60	2.70	1550	1090	920	
6IK200GU-SF	6IK200A-SF	200	3ph220	50	1.17	1350	1460	4620	/
				60	0.98	1550	1060	3420	
6IK200GU-S3F	6IK200A-S3F	200	3ph380	50	0.66	1350	1550	4500	/
				60	0.57	1550	1350	3500	

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

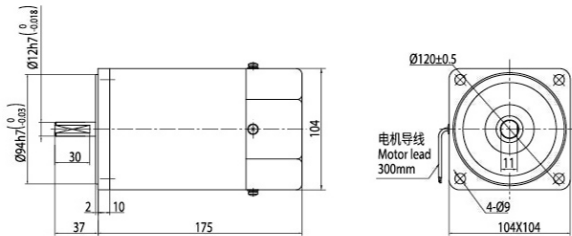
减速比 Gear Ratio		3	3.6	5	6	7.5	9	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
50Hz	转速 Speed r/min	450	375	270	225	180	150	135	108	90	75	67.5	54	45	37.5	33.7	27	22.5	18	15	13.5	11	9	7.5	6.75
	转矩 Torque N.m	3.11	3.74	5.19	6.23	7.78	9.34	9.34	11.67	14.01	16.81	16.81	21.01	25.21	30.26	33.62	40	40	40	40	40	40	40	40	40
60Hz	转速 Speed r/min	516	430	310	258	206	172	155	124	103	86	77.5	62	51.6	43	38.75	31	25.8	20.6	17.2	15.5	12.9	10.3	8.6	7.75
	转矩 Torque N.m	2.58	3.09	4.29	5.15	6.44	7.73	7.73	9.66	11.60	13.91	13.91	17.40	20.86	25.05	27.82	34.77	40	40	40	40	40	40	40	40

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 40N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 40N·M.

●外形尺寸(单位mm) Dimension(unit mm)

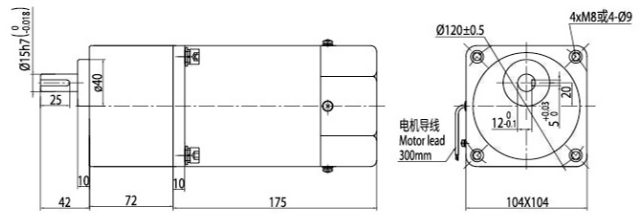
●组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

重量 Weighr: 5.0kg



●组合: 带端子型电机 + 标准减速箱 (减速比 1:3~200)

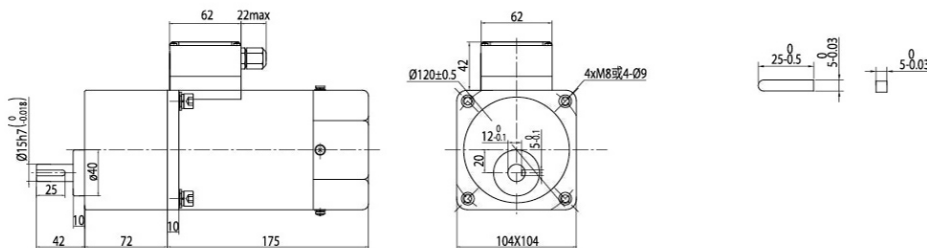
重量 Weighr: 7.1kg



●组合: 接线盒(可选, 详见 P148)型电机 + 带耳型减速箱 (减速比 1:3~200)

重量 Weighr: 7.25kg

●键(减速器附件)



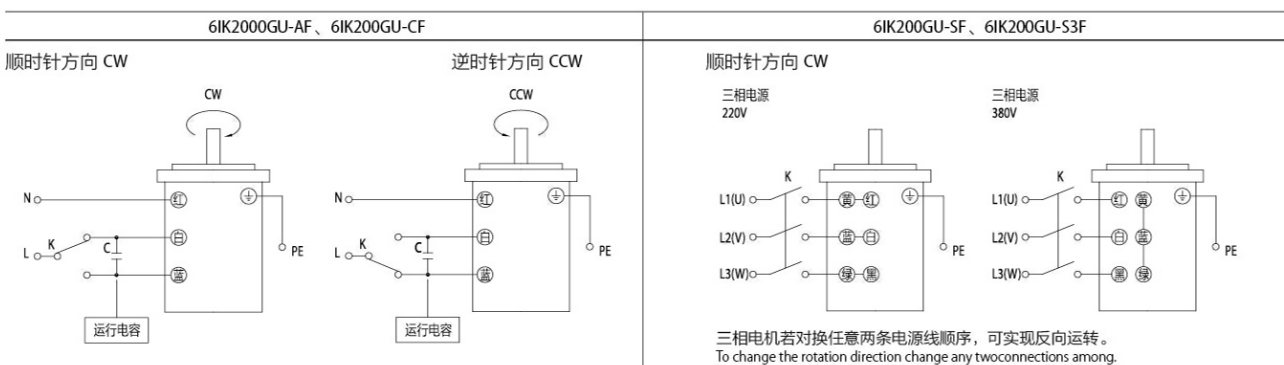
●接线图Wiring Diagram

●运转方向指从电机轴看来的方向。CW 表示顺时针方向, CCW 表示逆时针方向。

●表中所记型号为齿轮轴型, 圆轴型亦同。

● The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.

● Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.



●请注意Note

单相电机运转方向的转换应在电机停止后进行。

若在电机运转时转换运转方向, 可能发生无法转换运转方向或须费时较久的情况。

Change the direction of single-phase motor rotation only after bring the motor to a stop.

If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

感应减速电机 INDUCTION GEAR MOTOR

400W 120mm



● 电机型号/性能 List of motor characteristics

电机型号 Motor Model		输出功率 Output Power	电压 Voltage	频率 Frequenc	电流 Current	额定转速 Rated Speed	额定转矩 Rated Torque	启动转矩 Starting Torque	运行电容 Capacitor
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	W	V	Hz	A	r/min	mN.m	mN.m	μF/VAC
7IK400GU-SF	7IK400A-SF	400	3ph220V	50	2.2	1350	2700	5900	/
7IK400GU-S3F	7IK400A-S3F	400	3ph380V	50	1.2	1350	2700	5900	/

- 各种安全规格以电机铭牌上的型号名取得认证。
- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。
- When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.
- Note "sAlt means the voltage 110v. the assembly capacitor vaule it is according the labe.

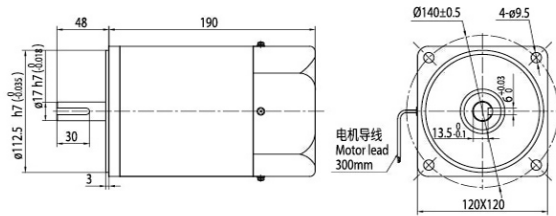
● 减速箱减速比/性能对照表 Gear reduction ratio/performance comparison

减速比 Gear Ratio		3	5	7.5	10	12.5	15	18	20	25	30	40	50	60	75	90	100	120	150	180
50Hz	转速 Speed r/min	450	270	180	135	108	90	75	67.5	54	45	33.7	27	22.5	18	15	13.5	11	9	7.5
	转矩 Torque N.m	6.5	10.9	16.4	21.8	24.5	29.5	35.4	39.3	49.2	59.0	78.7	88.5	106.2	132.8	159.4	177.1	200	200	200

- 表中转速是以电机的平均转速为基数除以减速比而算出的数值。实际转速将随负载大小而变化，变化范围 2~20%。
- 表中 色框表示输出轴的旋转方向与电机旋转方向相反。
- 表中转矩是以电机额定转矩 × 减速比 × 传动效率计算而得。
- 减速箱的最大容许转矩为 200N·M。
- In the table, the speed is calculated from the base of the motor's average speed divided by the deceleration ratio. The actual speed will vary with the load, ranging from 2% to 20%.
- The box in the table indicates that the rotation direction of the output axis is opposite to that of the motor.
- Table transfer torque is calculated from motor rated torque * deceleration ratio * transmission efficiency.
- The maximum allowable torque of the decelerator is 200N·M.

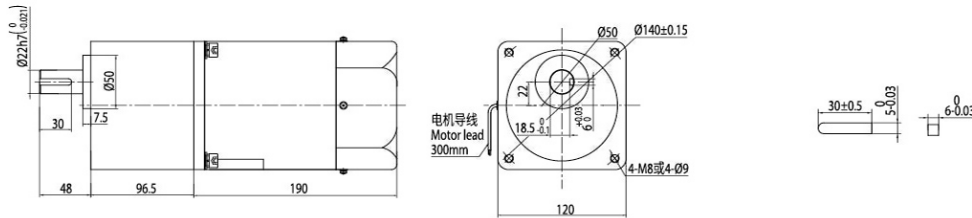
● 外形尺寸 (单位mm) Dimension (unit mm)

● 圆轴电机



● 组合: 引线型电机 + 标准减速箱 (减速比 1:3~200)

● 键 (减速器附件)

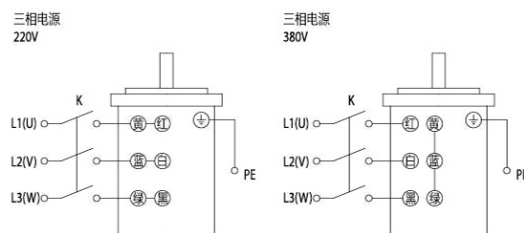


● 接线图Wiring Diagram

- 运转方向指从电机轴看来的方向。CW 表示顺时针方向，CCW 表示逆时针方向。
- 表中所记型号为齿轮轴型，圆轴型亦同。
- The direction of motor rotation is as viewed from the shaft end of motoc CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- Name indicated in the list is pinion shaft we, also valid for the equivalent round shaft type.

7IK400GU-SF、7IK400GU-S3F

顺时针方向 CW



三相电机若对换任意两条电源线顺序，可实现反向运转。
 To change the rotation direction change any two connections among.

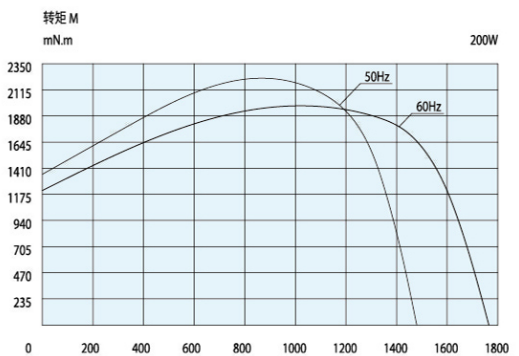
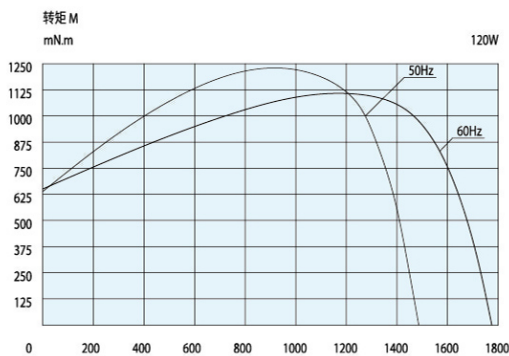
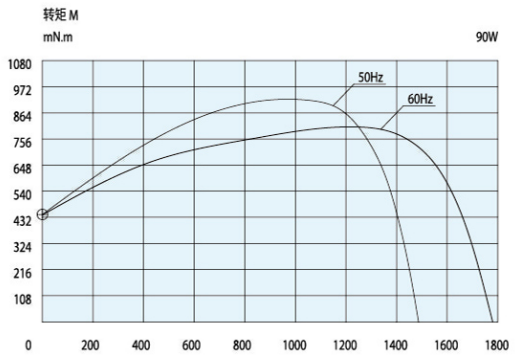
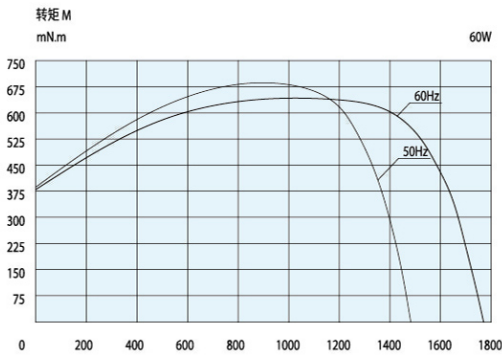
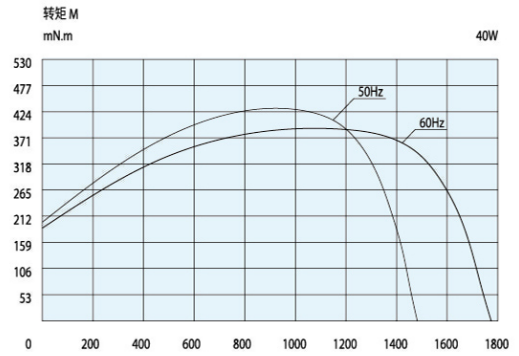
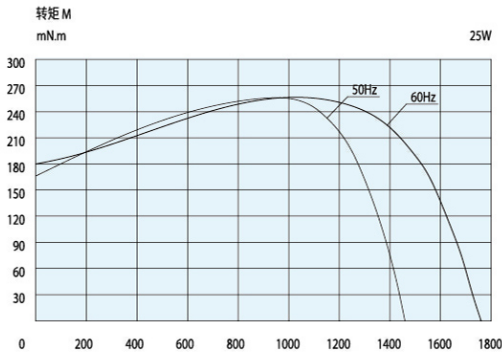
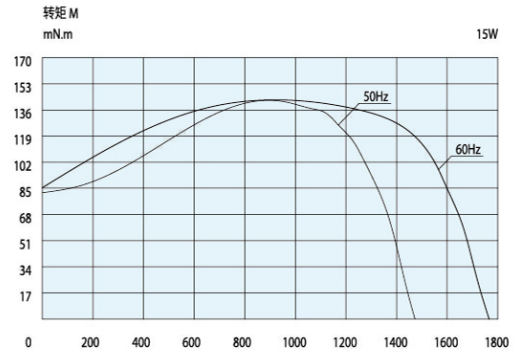
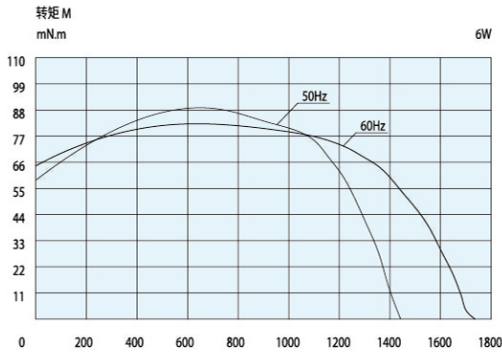
● 请注意Note

单相电机运转方向的转换应在电机停止后进行。
 若在电机运转时转换运转方向，可能发生无法转换运转方向或须费时较久的情况。
 Change the direction of single-phase motor rotation only after bring the motor to a stop.
 If an attempt is made to change the direction of rotation while the motor is rotating, motor may ignore reversing command or change its direction of rotation after some delay.

转速-转矩曲线

COMMON SPECIFICATIONS

● 单相电机 Single phase motor



转速-转矩曲线

ROTATIONAL SPEED - TORQUE CURVE

● 三相电机 Three phase motor

