

# 感应电动机 INDUCTION MOTORS

■ 15W □ 70mm



## 规格 Specs 连续额定 Continuous Rating

型号Model · 类型 Type 导线型 Lead Wire Type		输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	电流 Current A	启动转矩 Starting Torque mN.m	额定转矩 Rated Torque mN.m	额定转速 Rated Speed r/min	电容器容量 Capacitor μF
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft								
3IK15GN-A	3IK15A-A	15	1ph 100	50	0.35	90	125	1200	6.0
				60	0.33	85	105	1450	
3IK15GN-E	3IK15A-E	15	1ph 110	60	0.30	65	105	1450	5.0
			1ph 120		0.32				
3IK15GN-C	3IK15A-C	15	1ph 220	50	0.18	90	125	1200	1.2
			1ph 230		0.20				
3IK15GN-H	3IK15A-H	15	1ph 220	60	0.16	65	105	1450	-
			1ph 230		0.15				
3IK15GN-S	3IK15A-S	15	3ph 220	50	0.14	220	125	1200	-
				60	0.12	180	105	1450	

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

## 种类 Type

### ● 电动机 Motor

机型 Type	型号Model	
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft
导线型 Lead Wire Type	3IK15GN-A	3IK15A-A
	3IK15GN-E	3IK15A-E
	3IK15GN-C	3IK15A-C
	3IK15GN-H	3IK15A-H
	3IK15GN-S	3IK15A-S

### ● 平行轴减速器 (另售) Parallel Shaft Gearhead (Sold Separately)

减速器种类 Gearhead Type	减速器型号 Gearhead Model	减速比 Gear Ratio
长寿命●低噪音 Long Life ● Low Noise	3GN□K	3、3.6、5、6、7.5、9、12.5、15、18、25、30、36、50、60、75、90、100、120、150、180、200
	3GN10XK (中间减速器) (Decimal Gearhead)	

- 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

## ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售·中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速品型号的□中为减速比的数值。  
Enter the gear ratio in the box(□) within the model name.
- □色表示与电动机同一方向运转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是以电动机的同步转速（50Hz：1500r/min、60Hz：1800r/min）为基准除以减速比而算出来的数值。实际转速将随负载大小变化所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed (50Hz：1500r/min、60Hz：1800r/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速器。这时的容许转矩为5N·m。  
To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead(gear ratio:10)between the gearhead and motor. In that case, the permissible torque is 5 N·m.

## ■ 容许力矩单位 Allowance Torque Unit：上段 Upside ( N.m ) /下段 Belowside ( kgf.cm )

类型 Type 电动机/减速机 Motor/Gearhead	减速比 Gear Ratio		3	3.6	5	6	7.5	9	12.5	15	18	25	30	36	50	60	75	90	100	120	150	180	200		
	转速 Speed r/min		50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	
3IK15GN-A 3IK15GN-E 3IK15GN-C 3IK15GN-H 3IK15GN-S	3GN□K	50Hz	0.30	0.36	0.51	0.61	0.76	0.91	1.3	1.5	1.8	2.3	2.7	3.3	4.1	5	5	5	5	5	5	5	5	5	
			3.06	3.67	5.20	6.22	7.75	9.28	13.2	15.3	18.3	23.4	27.5	33.7	41.8	50	50	50	50	50	50	50	50	50	
		60Hz	0.26	0.31	0.43	0.51	0.64	0.77	1.1	1.3	1.5	1.9	2.3	2.8	3.5	4.2	5	5	5	5	5	5	5	5	5
			2.65	3.16	4.38	5.20	6.53	7.85	11.2	13.2	15.3	19.3	23.4	28.5	35.7	42.8	50	50	50	50	50	50	50	50	50

## ■ 容许悬挂负载·容许轴向负载 To Allow The Hoisting Of The Load Allow Axial Load

电动机 (圆轴型) →272页

Motor(Round Shaft) →P272

减速机→272页

Gearhead→P272

## ■ 减速机的容许负载惯性惯量 J Permissible Load Inertia J For Gearhead

→272页→P272

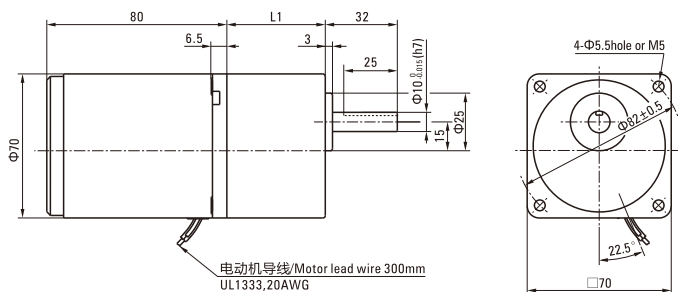
## ■ 外形图 (单位 mm) Dimensions(Unit mm)

减速机附有安装用螺丝 Mounting screws are included with gearhead.

### ● 导线型 Lead Wiring Type

重量 Weight：电动机 Motor：1.1kg

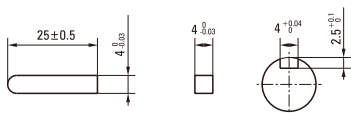
减速机 Gearhead：0.5kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
3IK15GN-A 3IK15GN-E 3IK15GN-C	3GN□K	3~18	32
3IK15GN-H 3IK15GN-S		25~200	42

- 减速机型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

● 键·键槽 (减速器附件) Key · Keyway(Accessory Of Gearhead)

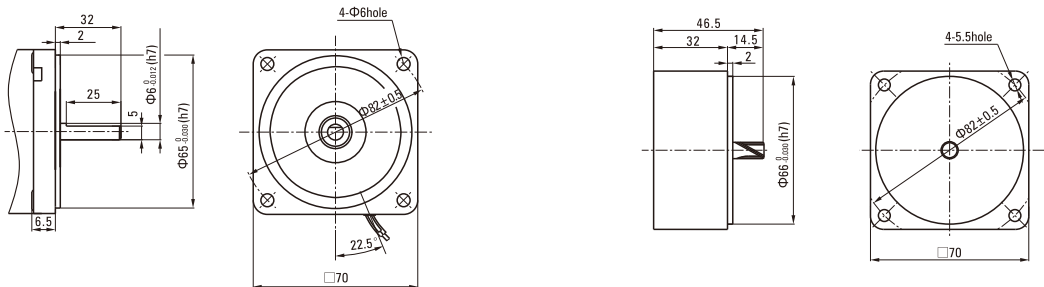


● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.

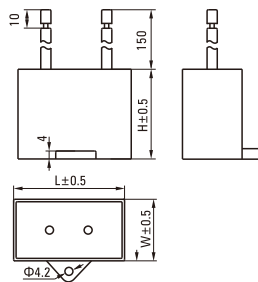
● 中间减速器 Decimal Gearhead

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  
3GN10XK  
重量 Weight : 0.3kg



■ 电容器外形尺寸 Formal Dimension Of Capacitor

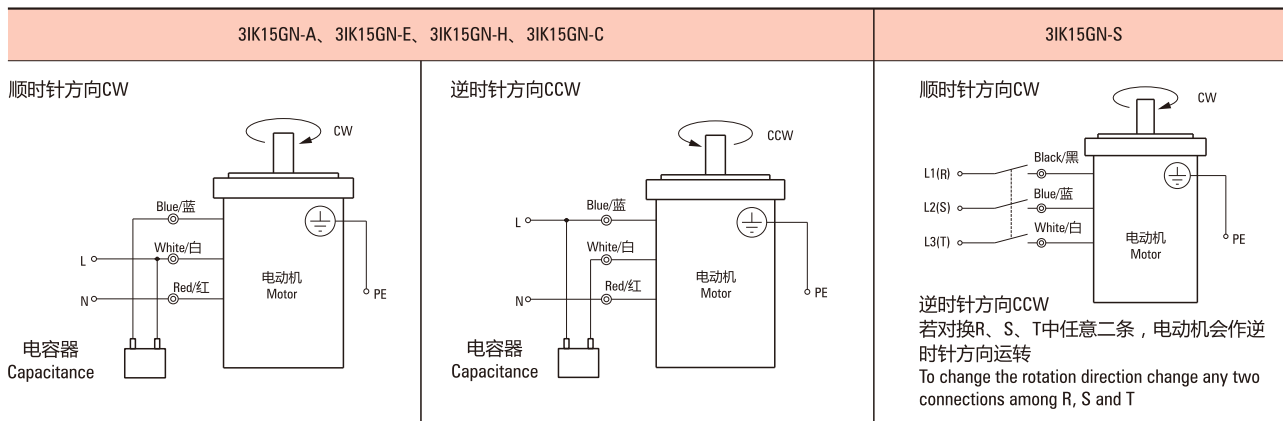
型号Model		电容器型号 Capacitor Model	L	W	H
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft				
3IK15GN-A	3IK15A-A	ZD60CFAUL	48	23	32
3IK15GN-E	3IK15A-E	ZD50CFAUL	47	20	31
3IK15GN-C	3IK15A-C	ZD12BFAUL	36	12	22



● 常规电容器出线为引线,也可根据客户要求配置插片式187#  
Note: Conventional capacitor is a lead wire type. Inserted 187# is optional

■ 连接图 Wiring Diagram

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



请注意 Note:

单相电动机运转方向的转换应在电动机停止后进行。  
Change the direction of single-phase motor rotation only after bring the motor to a stop.  
若在电动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。  
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.