

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 1ph 120	60	0.30	65	105	1450	5.0
					0.32				
3IK15GN-C	3IK15A-C	15	1ph 220 1ph 230	50	0.18	90	125	1200	1.2
					0.20				
3IK15GN-H	3IK15A-H	15	1ph 220 1ph 230	60	0.16	65	105	1450	1.2
					0.15	70			
3IK15GN-S	3IK15A-S	15	3ph 220	50	0.14	220	125	1200	-
				60	0.12	180	105	1450	
3IK15GN-S3	3IK15A-S3	15	3ph 380	50	0.08	220	125	1200	-
				60	0.07	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 vaule it is according the labe.

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
	3IK15GN-S3	3IK15A-S3

● 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、10、12.5、15、18、20、25、30、36、40、50、60、75、90、100、120、150、180、200
	3GN10XX (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的中间减速机。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 5N·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	10	12.5	15	18	20	25	30	36	40	50	60	75	90	100	120	150	180	200
	转速 Speed r/min	50Hz	500	417	300	250	200	166	150	120	100	83	75	60	50	41	37	30	25	20	16	15	12.5	10	8.3	7.5
3IK15GN-A 3IK15GN-E 3IK15GN-C 3IK15GN-H 3IK15GN-S 3IK15GN-S3	3GN□K	50Hz	0.30	0.36	0.51	0.61	0.76	0.91	0.97	1.30	1.50	1.80	1.94	2.30	2.70	3.30	3.48	4.10	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		60Hz	3.06	3.67	5.20	6.22	7.75	9.28	9.90	13.2	15.3	18.3	19.8	23.4	27.5	33.7	35.5	41.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	3GN□K	50Hz	0.26	0.31	0.43	0.51	0.64	0.77	0.80	1.10	1.30	1.50	1.64	1.90	2.30	2.80	2.88	3.50	4.20	5.00	5.00	5.00	5.00	5.00	5.00	5.00
		60Hz	2.65	3.16	4.38	5.20	6.53	7.85	8.16	11.2	13.2	15.3	16.7	19.3	23.4	28.5	29.4	35.7	42.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0

■ 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) → P215 Motor (Round shaft) → P215
减速机 → P215 Gearhead → P215

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

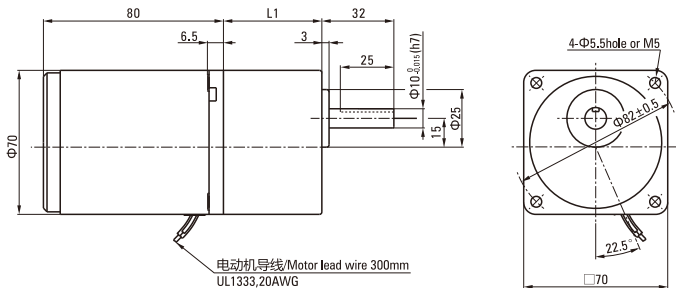
→ P215页 → P215

■ 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

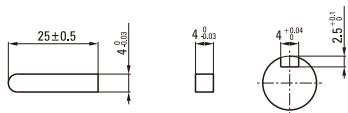
重量 Weight：电动机 Motor：1.1kg 减速机 Gearhead：0.5kg



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 3IK15GN-H 3IK15GN-S 3IK15GN-S3	3GN□K	3~200	42

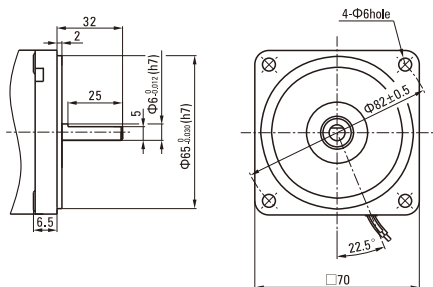
- 减速机型号的□中为减速比的数值
Enter the gear ratio in the box (□) within the model name
- 减速比3~18可以做成短箱体 (L1=32)
Gear ratio 3~18, short case is possible (L1=32)

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



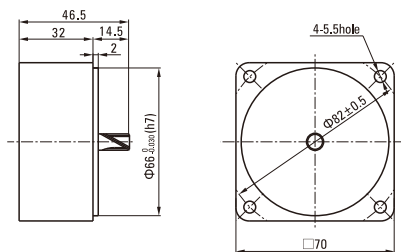
● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

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

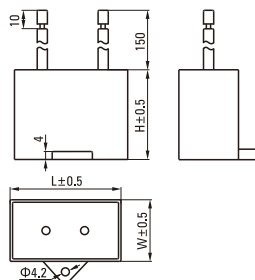
可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type
电动机外形与齿轮轴型相同
3GN10XK
重量 Weight : 0.3kg



■ 电容器外形尺寸 Formal Dimension Of Capacitor

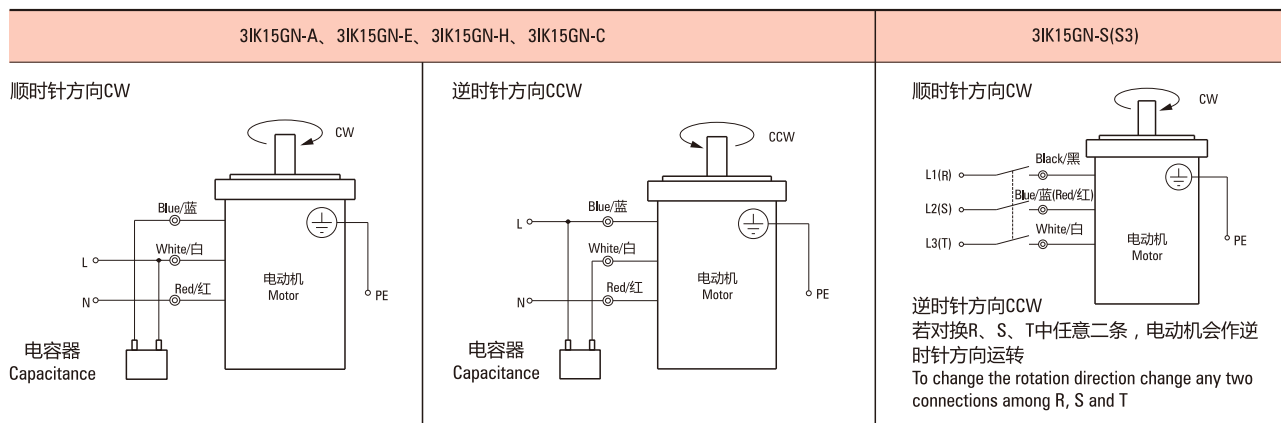
型号Model		电容器型号 Capacitor Model	L	W	H
齿轮轴型 Pinion Shaft	圆轴型 Round Shaft				
3IK15GN-A	3IK15A-A	ZD60CFAUL	48	23	32
3IK15GN-E	3IK15A-E	ZD50CFAUL	47	20	31
3IK15GN-C	3IK15A-C	ZD12BFAUL	36	12	22

● 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.