

直流电动机

DC MOTORS

■ 40W □ 90mm



电机性能参数 Motor Performance Parameters

型号 Model	电压 Voltage V	功率 Power W	空载参数No-load Parameters		负载参数Load Parameters			电刷寿命 Brush Life H	电机重量 Motor Weight kg
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A		
Z5D40-12□	12	40	3100	2.0 Max.	2800	136	5.2	2000	1.9
Z5D40-24□	24	40	3000	1.0 Max.	2800	136	2.6	2000	1.9
Z5D40-90□	90	40	3200	0.3 Max.	3000	127	0.7	2000	1.9

- 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。
Motor voltage, power and speed will be customized according to his requestment under the allowed circumstance of adoptable dimension.

种类 Type

● 电动机 Motor

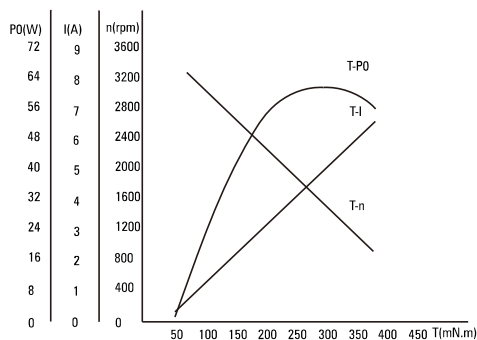
机型 Type	型号Model		
	齿轮轴型 Pinion Shaft	圆轴型 Round Shaft	圆轴型 Round Shaft
导线型 Lead Wire Type	Z5D40-12GN	Z5D40-12A	Z5D40-12A1
	Z5D40-24GN	Z5D40-24A	Z5D40-24A1
	Z5D40-90GN	Z5D40-90A	Z5D40-90A1

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

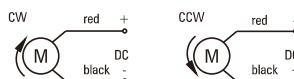
减速器种类 Gearhead Type	减速器型号 Gearhead Model	减速比 Gear Ratio
长寿命●低噪音 Long Life ● Low Noise	5GN□K	3、3.6、5、6、7.5、9、 12.5、15、18、25、30、 36、50、60、75、90、 100、120、150、180、200
		5GN10XK (中间减速器 Decimal Gearhead)

- 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

● 电机特性曲线 Characteristic Curve Of Motor



● 电机接线图 Wiring Diagram Of Motor



- 标准引出线长度:300mm±10;型号:UL1015规格:AWG16;电机引出线长度、型号在配件尺寸等条件允许的情况下可根据客户要求定制。
Standlard length of lead wire:300mm±10, model: U11015 type: AWG16; lead wire length, model will be customised by dient requestmant under allowed circumstance of adoptable dimension.

■ 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。
Gearheads are sold separately. Decimal gearheads are not available.
- 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.
- 转速是以电动机的额定转速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而比所示数值减少2%~20%左右。
The speed is calculated by dividing the motor's synchronous speed 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10N·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 10N·m.

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

型号 Type	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
Z5D40-24GN	转速 Speed r/min	933	778	560	467	373	311	280	224	187	156	140	112	93	78	70	56	47	37	31	28	23	19	16	14
	5GN□K	0.33	0.40	0.55	0.66	0.83	0.99	1.11	1.38	1.66	1.79	1.99	2.49	2.98	3.58	3.58	4.48	5.37	6.71	8.06	8.95	10.0	10.0	10.0	10.0
		3.25	3.90	5.41	6.50	8.12	9.75	10.8	13.5	16.2	17.5	19.5	24.4	29.2	35.1	35.1	43.9	52.6	65.8	78.9	87.7	100	100	100	100

■ 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)→P272页

Motor(Round Shaft)→P272

减速机→P272页

Gearhead→P272

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

→P272页→P272

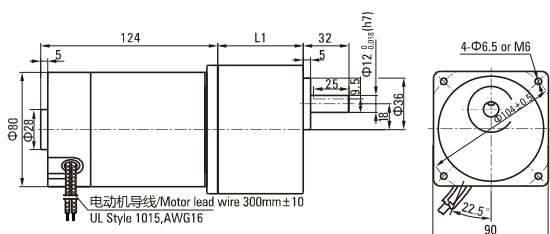
■ 外形图(单位 mm) Dimensions(Unit mm)

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 : 1.9kg

减速机 Gearhead : 1.35kg



电动机型号 Motor Model	减速器型号 Gearhead Model	减速比 Gear Ratio	L1
Z5D40-12GN Z5D40-24GN Z5D40-90GN	5GN□K	3~18	32
		25~200	42.5

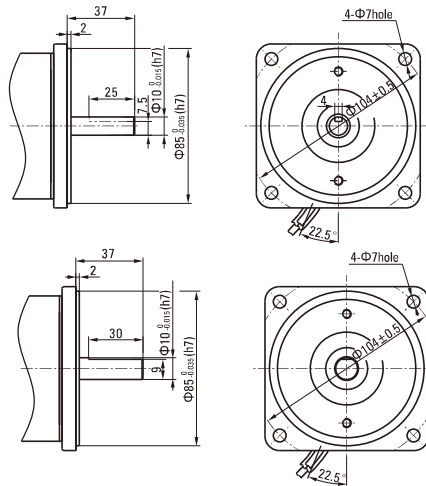
- 减速器型号的□中为减速比的数值
Enter the gear ratio in the box (□) within the model name

● 键·键槽(减速机附件)

Key●Keyway (The Key Is Included With The 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
5GN10X

重量 Weight : 0.41kg

