

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■ 6W □ 60mm



规格 Specs 连续额定 Cont. Rated

型号 Model · 类型 Type 轴结构 Lead fillet Type		最大 输出功率 Rated power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
齿形轴型 Pinion Shaft	圆轴型 Round Shaft					1200/min mN·m	90/min mN·m			
2R05GN-A	2R05A-A	6	1ph 100	50	80~1350	80	28	25	0.150	2.5
						80	29	35	0.150	
2R05GN-E	2R05A-E	6	1ph 110	50	90~1050	90	29	35	0.150	2.0
						90	29	35	0.150	
2R05GN-C	2R05A-C	6	1ph 220	50	80~1350	80	29	35	0.120	8.8
						80	29	35	0.110	
2R05GN-H	2R05A-H	8	1ph 220	50	90~1050	90	29	35	0.150	8.8
						90	29	35	0.120	

● 材料安全规格与电机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name or the nameplate is the approved model name.

● 注：“A” 型号中电压为110V，配置有容量为2.5μF的电容。

Note: “A” it means the voltage 110V the assembly capacitor value it is according the table.

种类 Type

● 电动机 Motor

轴型 Type	型号 Model	
	齿形轴型 Pinion Shaft	圆轴型 Round Shaft
轴型 Lead Motor Type	2R05GN-A	2R05A-A
	2R05GN-E	2R05A-E
	2R05GN-C	2R05A-C
	2R05GN-H	2R05A-H

● 平行轴减速机 [另售] Parallel Shaft Gearhead (Sold Separately)

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速比 Gear Ratio
长寿命・低噪音 Long life・Low Noise	2R05C-X	2, 3.6, 5, 8, 7.5, 9, 12.5, 15, 16, 25, 28, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200
		200/1000 [中心距减速机 (Center Gearhead)]

● 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

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机开槽中和减速机开槽。

Gearhead and mid-gearhead can be sold separately.

- 减速机型号中的□为减速机速比数值。

Enter the gear ratio in the box (□) within the model name.

- 也表示与电机同一方向旋转，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.

- 标准速比电机的同步转速 (50Hz: 1500r/min, 60Hz: 1800r/min) 为基准额定减速机比所算出来的数值。实际转速和额定值大小变化和允许数值减少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.

- 若速比大于下表额定速比时进一步减速时，可在电机与减速机之间安装减速机比为中间值的减速机。此时的容许转矩为0.9m。

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 20%.

■ 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	减速机 Gear Ratio	速比 Gear Ratio																							
		3		3.5		5		6		7.5		9		12.5		15		18		25		30		36	
		Speed r/min		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz	
200RCA-A 200RCA-B 200RCA-C 200RCA-D	200:1	50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz		50Hz		60Hz	
		1.22		1.43		1.64		1.85		2.06		2.27		2.48		2.69		2.90		3.11		3.32		3.53	
		1.22		1.43		1.64		1.85		2.06		2.27		2.48		2.69		2.90		3.11		3.32		3.53	
		1.22		1.43		1.64		1.85		2.06		2.27		2.48		2.69		2.90		3.11		3.32		3.53	

■ 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) → P212

Motor/Round Shaft → P212

减速机 → P212

Gearhead → P212

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

→ P212~P213

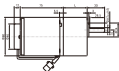
■ 外形图 (单位 mm) Dimensions (Unit mm)

减速机所用安装用螺栓 Mounting screws are included with gearhead.

- 箱体型 Load fitting 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	减速机 Gear Ratio	L1
200RCA-A 200RCA-B 200RCA-C 200RCA-D	200:1	3~18	32
		25~300	41.5

- 减速机型号中的□为减速机速比数值

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■15W □70mm



规格 Specs 连续额定 Cont. Rated

型号 Model - 类型 Type 种类型 Lead Miss Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容值容量 Capacitor μF
式结构型 Piston Shaft	圆轴型 Round Shaft					1200r/min mN.m	900r/min mN.m			
2015R09-A	2015R09-A	15	1ph 100	60	90~1150	120	35	55	0.35	6.0
2015R09-E	2015R09-E	15	1ph 110	60	90~1150	125	35	55	0.30	5.0
2015R09-C	2015R09-C	15	1ph 220	60	90~1150	120	35	54	0.15	1.2
2015R09-H	2015R09-H	15	1ph 220	60	90~1150	85	35	52	0.16	1.2

● 每种安全规格以电机铭牌上的使用取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

● 注: "A" 型号电压为100V时, 配置和容量容量以实际规格为准。

Note: "A" means the voltage 110V, the assembly capacitor value it is according the table.

种类 Type

电动机 Motor

机型 Type	空型 Model	
	齿轴型 Piston Shaft	圆轴型 Round Shaft
调速型 Lead Wire Type	2015R09-A	2015R09-A
	2015R09-E	2015R09-E
	2015R09-C	2015R09-C
	2015R09-H	2015R09-H

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

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速机 Gear Ratio
长寿命・低噪音 Long Life・Low Noise	2015R09	3, 3.6, 5, 6, 7.5, 8, 12.5, 15, 16, 20, 25, 30, 36, 48, 60, 75, 90, 100, 120, 150, 180, 200
		2015R09 (中心减速机) (Sold Separately)

● 减速机型号中的□中为减速机比的数据

Enter the gear ratio in the box (□) within the model name

AC 交流算用電器機

2000年 500 471

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ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■ 25W □ 80mm



规格 Specs 连续额定 Cont. Rated

型号 Model · 类型 Type		最大 额定功率 Rated power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
齿轮型 Gear Shaft	圆轴型 Round Shaft					1200/min mN·m	90/min mN·m			
4K25SA-A	4K25BA-A	25	1ph 100	50	80~1350	190	43	98	0.10	8.0
									0.55	
4K25BA-E	4K25BA-E	25	1ph 110	60	90~1050	190	58	105	0.45	7.0
									0.50	
4K25BA-C	4K25BA-C	25	1ph 220	50	80~1350	190	43	98	0.25	1.8
									0.25	
4K25BA-H	4K25BA-H	25	1ph 220	60	90~1050	190	45	98	0.23	1.8
									0.23	

● 材料安全规格以电机铭牌上的型号取用认证。

When the motor is approved under various safety standards, the model name or the nameplate is the approved model name.

● 注：“A” 型号中电压为110V，配置有容量80μF电容为常。

Note: “A” means the voltage 110V the assembly capacitor value it is according the table.

种类 Type

● 电动机 Motor

机壳 Type	型号 Model	
	齿轮轴型 Gear Shaft	圆轴型 Round Shaft
标准型 Lead Motor Type	4K25SA-A	4K25BA-A
	4K25BA-E	4K25BA-E
	4K25BA-C	4K25BA-C
	4K25BA-H	4K25BA-H

● 平行轴减速机 [另售] Parallel Shaft Gearhead (Sold Separately)

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速比 Gear Ratio
长寿命・低噪音 Long life・Low Noise	4GN-CX	2, 2.5, 3, 4, 7.5, 9, 12.5, 15, 16, 20, 28, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200
		4GN1000 [4GN1000减速机 (Separate Gearhead)]

● 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

ZD中大电机: 15257416648

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机与电机分开时，通过型号中的□中为表示带端子型号ZD/L。
Gearhead and motor can be sold separately. Enter the code that represents the terminal box type (□) within the model name.
- 减速机型号中的□中为减速机比的数据。
Enter the gear ratio in the box (□) within the model name.
- 也表示与电机同一方向运转，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.
- 标准额定扭矩的同步转速 (50Hz : 1500/min, 60Hz : 1800/min) 为基准额定扭矩比所算出来的数值。实际转速和扭矩比大小变化和所算数值减少2%~20%左右。
The speed is calculated by dividing the motor's synchronous speed (50Hz : 1500/min, 60Hz : 1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 需要比上表的数据比进行一些减小时，可在电机与减速机之间安装减速机比为1/2的中间减速机。这时的容许转矩为80%。
To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead/gear ratio (1/2) between the gearhead and motor. In that case, the permissible torque is 80%.

■ 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	减速机 Gear Ratio	减速机 Gear Ratio																			
		减速机 Gear Ratio																			
		3	3.5	5	6	7.5	9	12.5	15	18	25	30	36	45	50	60	75	90	100	120	150
4K258CA-A 4K258CA-B 4K258CA-C 4K258CA-E	4K258CA	50%	100	417	209	250	200	155	129	108	83	60	50	40	30	25	20	15	10	12.5	15
		60%	600	500	250	200	240	300	144	128	180	12	50	58	30	30	24	20	18	15	12
		50%	5.88	5.88	8.81	6.90	1.2	1.5	2.0	3.5	2.8	3.2	4.4	5.5	6.5	7.8	8	8	8	8	8
		60%	5.88	5.88	8.81	6.90	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

■ 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) → P21页 Motor/Round Shaft → P21
减速机 → P22 Gearhead → P22

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

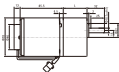
→ P21页 → P22

■ 外形图 (单位:mm) Dimensions (Unit:mm)

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

● 螺旋型 Lead Flange Type

重量 Weight : 电动机 Motor : 3.1kg 减速机 Gearhead : 0.5kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速机 Gear Ratio	L1
4K258CA-A 4K258CA-B 4K258CA-C 4K258CA-E	4K258CA	3~18	32
		25~300	43.5

● 减速机型号中的□中为减速机比的数据
Enter the gear ratio in the box (□) within the model name

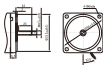
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● 轴、键槽（减速器附件）Key + Keyway/Accessory Of Gearhead



● 圆轴型的轴伸部分 Shaft Section Of Round Shaft Type

轴伸部分及轴伸外电连接外形均与齿轮箱相同。
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.

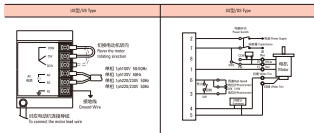


● 中间减速机 Decimal Gearhead

可安装在空轴或轴端上。Can be connected to BN pinion shaft type
电机外形与齿轮箱相同
BN1500X
重量 Weight : 0.45kg



■ 连接图 Wiring Diagram



圆锥直角 SPIRAL BEVEL RIGHT ANGLE

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

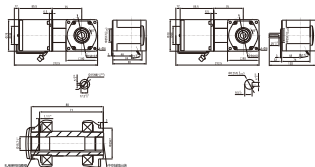
- 减速机+电机减速机对照: * 带括号型号的□中为表示带箱子箱型附记号(TL)
Gearhead and mid-gearbox can be added separately. Enter the code that represents the nominal box type (T) in the box □ within the model name.
- 减速机型号的□中为减速机比的数据, □色表示与电动机同一方向旋转, 其他则为相反方向。
Enter the gear ratio in the box □ within the model name.
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 快速电机及电机的同步快速 (1800/1500/min, 60Hz/1800/min) 为基准按以减速机比计算出来的数值, 实际转速将较标称大小变化百分比示数值减少2%~20%左右, depending on the size of the load.
The speed is calculated by dividing the motor's synchronous speed (50Hz/1500/min, 60Hz/1800/min) by the gear ratio. The actual speed is 2% ~ 20% less than the displayed value.
- 希望比大于下表的数据比进行进一步减速时, 可在电动机与减速机之间加装减速机比为1/2的中间减速机, 这时的容许转矩为80%。
To reduce the speed beyond the gear ratio in the table, attach a mid-gearbox (gear ratio 1/2) between the gearhead and motor. In that case, the permissible torque is 80%.

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

机型/Type	减速机/Gear Ratio	3	3.5	5	6	7.5	9	12.5	15	18	25	30	3.5	5.0	6.0	7.5	9.0	100	120	150	180
电动机/减速机 Motor/Gearhead	快速/Speed 1/min	1800	1600	1200	1000	900	800	720	600	540	450	400	1800	1600	1200	1000	900	100	120	150	180
	1/min	1800	1600	1200	1000	900	800	720	600	540	450	400	1800	1600	1200	1000	900	100	120	150	180
400YD04-C	容许力矩 Allowance Torque	0.38	0.43	0.59	0.71	0.89	1.18	1.64	1.87	2.37	3.29	3.95	4.75	6.95	7.10	8.80	9.80	9.80	9.80	9.80	9.80
400YD04-C		3.62	4.35	6.04	7.35	9.81	12.1	16.8	20.3	24.2	33.5	40.3	48.3	67.1	72.5	88.0	98.0	98.0	98.0	98.0	98.0
400YD04-C	容许力矩 Allowance Torque	0.29	0.34	0.49	0.57	0.60	0.85	1.23	1.59	1.97	2.65	3.19	3.62	5.30	5.73	7.16	8.80	9.80	9.80	9.80	9.80
400YD04-C		2.82	3.31	4.67	5.64	6.12	8.34	12.5	16.2	19.5	27.2	32.3	36.0	54.1	58.4	73.0	88.0	98.0	98.0	98.0	98.0

■ 调速尺寸图 Speed Control Type Drawing

400YD04-C (400YD-C)	400YD04-C (400YD-C)	400YD04-C (400YD-C)	400YD04-C (400YD-C)
400YD04-C (400YD-C)	400YD04-C (400YD-C)	400YD04-C (400YD-C)	400YD04-C (400YD-C)



注: 连接器在中大标准型调速器 Note: The connector is for standard speed controller

ZD中大电机: 15257416648

蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE

■ 带有减速器时的容许转矩 Gear Motor-Torque Table

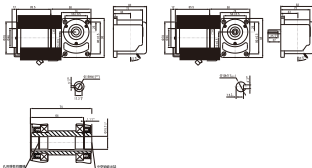
- 高速轴-中间减速器对数: 在型号中的□中为表示带蜗杆蜗轮的型号(TL)
Gearhead and mid-gearbox can be added separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 高速轴型中的□为减速比的数据。色表示与电动机同一方向旋转, 其他则为相反方向。
Enter the gear ratio in the box (□) within the model name.
The colored background indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 标准型以电动机同步转速 (1500/1800/min, 3000/3600/min) 为基准按以高速轴和低速轴的数值。实际转速将按最大变化范围所示数值减少2%~20%左右。
The speed is calculated by dividing the motor's synchronous speed (50Hz:1500/min, 60Hz:1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比下表中的减速比再进一步减速时, 可在电动机与减速器之间加装减速比为1/2的中间减速器。这时的容许转矩为80%。
To reduce the speed beyond the gear ratio in the table, attach a mid-gearbox (gear ratio:1/2) between the gearhead and motor. In that case, the permissible torque is 80%.

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

机型/Type 电动机/减速器 Motor/Gearhead	减速比/Gear Ratio	转速/Speed r/min	2	2.5	3	4	5	6	7.5	8	10	12.5	15	18	20	25	30	3.6	4.5	6.0	7.5	9.0	100	120	150	180
			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
400V/30A/4C 400V/30A/4C 400V/30A/4C 400V/30A/4C	100	1500	0.28	0.31	0.39	0.45	0.55	0.70	0.87	1.10	1.30	1.50	1.80	2.10	2.50	3.00	3.60	4.50	5.40	6.80	8.10	9.00	100	120	150	180
		1800	0.28	0.31	0.39	0.45	0.55	0.70	0.87	1.10	1.30	1.50	1.80	2.10	2.50	3.00	3.60	4.50	5.40	6.80	8.10	9.00	100	120	150	180
		3000	0.28	0.31	0.39	0.45	0.55	0.70	0.87	1.10	1.30	1.50	1.80	2.10	2.50	3.00	3.60	4.50	5.40	6.80	8.10	9.00	100	120	150	180
		3600	0.28	0.31	0.39	0.45	0.55	0.70	0.87	1.10	1.30	1.50	1.80	2.10	2.50	3.00	3.60	4.50	5.40	6.80	8.10	9.00	100	120	150	180

■ 转速尺寸图 Speed Control Type Drawing

400V/30A/4C/400V/30A 400V/30A/4C/400V/30A	400V/30A/4C/400V/30A 400V/30A/4C/400V/30A	400V/30A/4C/400V/30A 400V/30A/4C/400V/30A	400V/30A/4C/400V/30A 400V/30A/4C/400V/30A
--	--	--	--



注: 接插件为中大型电机用连接器 Note: The connector is for changeable standard speed controller

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■40W □90mm



规格 Specs 连续额定 Cont. Rated

型号 Model - 类型 Type 种类型 Lead Miss Type	最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range 1/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容补偿电容 Capacitor μF
					1200/min mN.m	900/min mN.m			
SBA090A-A SBA090A-A	40	1ph 100	60	90~1150	260	30	180	0.80	12.0
SBA090A-E SBA090A-E	40	1ph 110	60	90~1150	300	60	180	0.78	8.0
SBA090A-C SBA090A-C	40	1ph 220	60	90~1150	300	35	180	0.55	3.0
SBA090A-H SBA090A-H	40	1ph 220	60	90~1150	230	30	145	0.35	2.5

● 每种安全规格以电机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

● 注: "A" 型号电压为100V时, 配置和容量容量以系列规格为准。

Note: "A" means the voltage 110V, the assembly capacitor value it is according the table.

种类 Type

电动机 Motor

机座 Type	空冷型 Model	
	立式轴型 Piston Shaft	圆轴型 Round Shaft
立式轴型 Lead Wipe Type	SBA090A-A	SBA090A-A
	SBA090A-E	SBA090A-E
	SBA090A-C	SBA090A-C
	SBA090A-H	SBA090A-H

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

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速机比 Gear Ratio
长寿命・低噪音 Long Life • Low Noise	MPC-X	3, 3.6, 5, 6, 7.5, 8, 12.5, 15, 16, 20, 25, 30, 36, 48, 60, 75, 90, 100, 120, 150, 180, 200
		100:1 200:1 (中间减速机 Bevel Gearhead)

● 减速机型号中的□为减速机比的数据

Enter the gear ratio in the box (□) with the model name

ZD中大电机: 15257416648

■ 带有减震器时的容许转矩 Gear Motor-Torque Table

4. 在速度反馈中增加速度反馈，将速度反馈的二种为表示速度反馈的二种为：

 Gearload and mid-gearbox can be added separately. Enter the code that represents the terminal box type (T) in the box [] within the model name.

 5. 速度反馈的二种为速度反馈的二种为：

 Enter the gear ratio in the box [] within the model name.

 6. 当表示与电动机同一方向旋转，其他方向相反方向。

 The colored background [] indicates the same rotating direction of the motor while the rotating direction of others are opposite.

 7. 转速反馈和电机的同步转速 (50%: 1500min, 60%: 1800min) 为基准值以速度反馈的转速。实际转速将随着负载大小变化而速度减少 2%~20% 左右。

 The speed is calculated by dividing the motor's synchronous speed (50%: 1500min, 60%: 1800min) by the gear ratio. The actual speed is 2%~20% less than the display value, depending on the size of the load.

 8. 当速度反馈和速度反馈进行速度反馈，可在电动机与减速机之间安装减速机以作为中间减速机。这可以减少噪音为 10dB。

 To reduce the speed feedback, the gear ratio in the table, attach a mechanical gearbox to the motor. This reduces the gearbox noise by 10dB.

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

[illegible]

■ 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) → F172	Motor(Round Shaft) → F172
减速机 → F112	Gearhead → F112

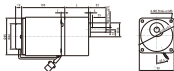
■ 减速机的容许负载惯性惯量 J Permissible Load Inertia J For Gearhead

—1173—

■ 外形圖 (單位 mm) Dimensions (Unit mm)

and 2000, the 2000 and 2001 editions of the book are included with no added cost.

- 單翼型 Load/Wing Type
重量 Weight : 輕巧型 Motor : 2.5kg 減速機 Gearhead : 1.25kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速机比 Gear Ratio	1
MD050DA-A MD050DA-E MD050DA-C MD050DA-H	90C23	3~18	42
		25~200	50

- 減速機型番の□中が減速比の値
Enter the gear ratio in the box [□] within the model name

蜗轮蜗杆直角
WORM GEAR RIGHT ANGLE

■ 带有减速器的容许转矩 Gear Motor Torque Table

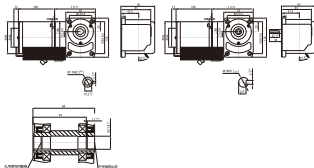
- 减速机中间轴速度的选择：电动机型号中的“2”表示为带端子轴型的电动机。
Gearhead and mid-gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box [] within the model name.
- 减速机型号中的“2”为减速机比的数据。色表示与电动机同一方向正转，黄色表示相反方向。
Enter the gear ratio in the box [] within the model name.
- The colored background 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 (60Hz/1500/min、400V/1800/min) 为基准乘以减速机齿比计算出来的数值。实际转速随负载大小变化而不同可取额定值的 95%~98% 左右。
The speed is calculated by dividing the motor's synchronous speed (60Hz/1500/min, 400V/1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比上述的减速机运行速度进一步减慢时，可将电机的与减速机之间的减速机比为 1:100~4:96 的减速机。实际的转速请参照 206 页。
To reduce the speed beyond the gear ratio in the table, attach a motor-reducer box ratio 1:1 between the gearbox and motor. In that case, the permissible torque is 200%.

容许力単位 Allowance Tensile Unit: 上段 Uside (N/m) / 下段 Bdsidside (kN/cm)

Motor Type 电动机之種類	Speed Ratio 速比	Motor Horsepower 电动机之馬力																						
		2	3	4	5	6	7.5	8	10	12.5	15	18	25	30	36	45	60	75	90	108	126	144	180	
Motor 电动机	1080	108	417	300	260	200	186	126	188	83	62	50	417	30	29	24	18	15	12	10				
	6080	608	508	360	300	240	280	144	128	68	50	40	300	36	30	24	18	15	12	10				
Motor 电动机	8.41	8.96	9.03	9.74	10.31	1.11	1.55	1.66	2.35	3.05	3.71	4.46	5.18	7.40	9.28	11.1	13.4	14.9	18.6	20.0				
	4.21	5.05	6.31	7.58	9.42	11.4	15.8	16.9	22.7	31.6	37.5	46.5	55.1	75.8	94.7	114	126	152	168	200				
	8.33	8.46	9.58	9.88	0.75	0.98	1.25	1.50	2.50	2.93	3.59	4.38	5.38	14.8	6.98	9.90	13.0	15.0	18.6					
	3.39	4.61	5.88	6.71	7.84	8.72	12.7	15.5	18.3	25.5	28.6	36.3	58.8	67	81.4	87.7	132	152	150					

■ 迴轉尺寸圖 Speed Control Type Drawing

SKK0001A1150U1PA	SKK0001C1150U1PA	SKK0001A1150U1PA	SKK0001C1150U1PA
SKK0001B1150U1PA	SKK0001D1150U1PA	SKK0001B1150U1PA	SKK0001D1150U1PA



注：参数按GB 150标准取值。 Note: The parameter is the Chinese standard vessel code.

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

60W □90mm



规格 Specs 连续额定 Cont. Rated

型号Model · 类型Type 轴端型 Lead fillet Type		最大 额定功率 Rated power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
齿形轴型 Pinion Shaft	圆轴型 Round Shaft					1200/min mN·m	90/min mN·m			
SKS050N-AF	SKS050A-AF	60	1ph 100	50	80~1350	480	148	255	1.00	28.0
									1.10	
SKS050N-FF	SKS050A-FF	60	1ph 110	60	90~1050	490	150	255	0.90	12.0
			1ph 120						0.88	
SKS050N-CF	SKS050A-CF	60	1ph 120	50	80~1350	480	148	255	0.90	4.0
			1ph 230						0.55	
SKS050N-HF	SKS050A-HF	60	1ph 220	60	90~1050	490	150	255	0.90	4.0
			1ph 230						0.55	

● 材料安全规格以电机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name or the nameplate is the approved model name.

● 注: "A" 型号中电压为110V, 配置有容量280μF的电容为常。

Note: "A" it means the voltage 110V the assembly capacitor value it is according the table.

种类 Type

● 电动机 Motor

轴型 Type	型号Model	
	齿形轴型 Pinion Shaft	圆轴型 Round Shaft
轴端型 Lead fillet Type	SKS050N-AF	SKS050A-AF
	SKS050N-FF	SKS050A-FF
	SKS050N-CF	SKS050A-CF
	SKS050N-HF	SKS050A-HF

● 平行轴增速器 (另售) Parallel Shaft Gearhead (Sold Separately)

增速器种类 Gearhead Type	增速器型号 Gearhead Model	增速比 Gear Ratio
长寿命・低噪音 Long life・Low Noise	SAPC-X	2, 2.5, 3, 4, 7.5, 9, 12.5, 15, 16, 25, 28, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200
		100/1000 (100/1000速器 (Normal Gearhead))

● 增速器型号的□中为增速比的数值

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 高速轴与低速轴同向旋转。

Gearhead and motor can be added separately.

- 减速机型号中的□为减速机传动比。

Enter the gear ratio in the box (□) within the model name.

- □也表示与电机同一方向旋转，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.

- 标准额定电机额定转速 (50Hz: 1500/min, 60Hz: 1800/min) 为基准额定减速机输出转速的数值。实际转速和额定值大小变化和允许偏差减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed (50Hz: 1500/min, 60Hz: 1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

- 若额定以上减速机传动比进行进一步减速时，可在电动机与减速机之间安装减速机为1/2的中间减速机。此时的容许转矩为100%。

To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead/gear ratio (1/2) between the gearhead and motor. In that case, the permissible torque is 100%.

■ 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	减速机 Gear Ratio	减速机 Gear Ratio																							
		转速 Speed r/min																							
		50Hz																							
SWS08CA-A SWS08CA-E SWS08CA-C SWS08CA-W	SWS-C	50Hz	100	417	209	250	200	155	129	188	81	60	50	40	30	25	20	15	10	12.5	10	8.3	7.5		
		60Hz	800	500	250	288	240	300	144	128	180	12	50	58	30	30	24	20	18	15	12	10	8		
		50Hz	11.2	14.3	18.3	23.4	29.6	36.3	46.6	58.1	69.5	87.2	108	180	300	300	180	180	180	180	180	180	180	180	180
		60Hz	9.28	11.2	14.3	18.3	23.4	29.6	36.3	46.6	58.1	69.5	87.2	108	180	300	300	180	180	180	180	180	180	180	180

■ 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 (图例型) → P11页

Motor/图例型 → P11页

减速机 → P12页

Gearhead → P12页

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

→ P11页~P12页

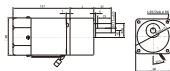
■ 外形图 (单位: mm) Dimensions (Unit: mm)

减速机附带的安装用螺栓 Mounting screws are included with gearhead.

- 箱体型 Load fitting Type

重量 Weight: 电动机 Motor: 2.8kg

减速机 Gearhead: 1.25kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速机 Gear Ratio	L1
SWS08CA-A SWS08CA-E SWS08CA-C SWS08CA-W	SWS-C	3~18	42
		25~300	66

- 减速机型号中的□为减速机传动比。

Enter the gear ratio in the box (□) within the model name.

ZD中大电机: 15257416648

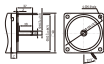
● 键、键槽（或通圆倒角）Key / Keyway/Recessory Of Gearhead



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

轴型圆轴轴段外形与齿轴轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



● 中间轴通圆 Decoral Gearhead

可安装在齿轴轴段上。Can be connected to GN pinion shaft type

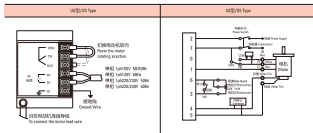
电机外形与齿轴轴型相同

SAF1500E

重量 Weight : 0.8kg



■ 连接图 Wiring Diagram



ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

80W □90mm



规格 Specs 连续额定 Cont. Rated

型号 Model - 类型 Type 种类型 Lead Wire Type	最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range r/min	容许转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容补偿器 Capacitor μF
					1200r/min mN.m	900r/min mN.m			
轴伸型 Flange Shaft	80	1ph 100	60	90~1150	480	110	265	1.00	20.0
					400	100		1.10	
SK09PGL0F	60	1ph 110	60	90~1550	490	160	255	8.80	12.0
		1ph 120						8.80	
SK09PGL0F	60	1ph 220	60	90~1150	490	140	265	8.90	4.0
		1ph 230						8.95	
SK09PGL0F	60	1ph 220	60	90~1550	490	160	265	8.90	4.0
		1ph 230						8.95	

● 各种安全规格以电动机铭牌上的使用取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

● 注：“A” 型号电压为100V时，配置和容量容量以铭牌数据为准。

Note: "A" means the voltage 110V, the assembly capacitor value it is according to the table.

种类 Type

电动机 Motor

机壳 Type	型号 Model	
	轴伸轴型 Flange Shaft	
轴伸型 Lead Wire Type	SK09PGL0F	
	SK09PGL0F	
	SK09PGL0F	
	SK09PGL0F	

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

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速机 Gear Ratio
长寿命・低噪音 Long Life • Low Noise	SGL□K0	3, 3.6, 5, 6, 7.5, 8, 12.5, 15, 16, 20, 25, 30, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 112, 125, 140, 160, 180, 200
		10001000 (中心减速机) (Radial Gearhead)

● 减速机型号中的□中为减速比的数据

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

AC 区域资源管理计划

調速電機
調速電機

● 凸緣安裝型減速器 Flange Mounting Reducer

● 圓柱型鋼軸管殼 Shaft Section Of Round Shaft Type

● 註・註釋《減價目錄》

● **Decimal Constant**

■ **连接图** Wiring Diagram

ZD中大电机: 15257416648

蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

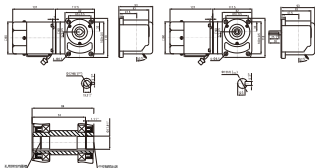
- 减速机中间减速机用“ $\square$ ”中为表示的字母子箱的代号(T)。
Gearhead and mid-gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box ($\square$) within the model name.
- 减速机型号中的“ $\square$ ”中为减速机代号。 $\square$ 色表示与电动机同一方向旋转，同轴则为相反方向。
Enter the gear ratio in the box ($\square$) within the model name.
The colored background $\square$ indicate the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是电动机额定转速 (1000/1500/min, 1800/3000/min) 为基础除以减速机比而算出来的数值。实际转速同额定大小变化百分比所示数据减少20%左右。
The speed is calculated by dividing the motor's synchronous speed (1000/1500/min, 1800/3000/min) by the gear ratio. The actual speed is 25%~20% less than the displayed value, depending on the size of the load.
- 希望比大于下表的数据比进行进一步减速时，可取电动机与减速机之间安装减速机比为1:50的中间减速机。这时的容许转矩为20%。

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

机座Type Motor/Gearhead	减速机Gear Ratio	2	3.0	5	6	7.5	8	12.5	15	18	25	30	3.6	50	60	75	90	100	120	150	180
SKK07G-AF-C SKK07G-EP-C SKK07G-OT-C SKK07G-AP-C	减速机Gear Ratio	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	减速机Gear Ratio	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	减速机Gear Ratio	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	减速机Gear Ratio	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
SKK07G-AF-C SKK07G-EP-C SKK07G-OT-C SKK07G-AP-C	容许力矩 Allowance Torque	6.62	8.14	8.63	1.11	1.36	1.67	2.32	2.79	3.54	4.64	5.57	6.66	9.38	11.1	13.6	15.7	18.6	30.0	30.0	30.0
	容许力矩 Allowance Torque	6.31	7.59	8.41	11.4	14.2	17.8	25.7	30.4	34.1	41.4	50.0	60.2	84.1	114	142	170	189	280	280	280
	容许力矩 Allowance Torque	6.59	8.60	8.75	8.80	1.12	1.35	1.87	2.25	2.69	3.14	4.40	5.20	7.49	8.86	11.2	13.5	15.8	19.0	30.0	30.0
	容许力矩 Allowance Torque	5.08	6.11	7.64	8.11	15.5	12.1	18.1	22.8	27.5	33.2	40.8	50.0	76.4	101.3	115	131	153	183	280	280

■ 调速尺寸图 Speed Control Type Drawing

SKK07G-AF-C/调速尺寸图 SKK07G-EP-C/调速尺寸图	SKK07G-EP-C/调速尺寸图 SKK07G-AP-C/调速尺寸图	SKK07G-AF-C/调速尺寸图 SKK07G-EP-C/调速尺寸图	SKK07G-EP-C/调速尺寸图 SKK07G-AP-C/调速尺寸图
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注：基础件配中大标准型连接器 Note: The connector is for change standard speed controller

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

90W □90mm



规格 Specs 连续额定 Cont. Rated

型号Model · 类型Type 轴类型 Lead shaft Type		最大 输出功率 Rated power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
齿轴型 Pinion Shaft	圆轴型 Round Shaft					1200/min mN·m	90/min mN·m			
SR090G-AF	SR090A-AF	90	1ph 100	50	80~1350	710	230	405	1.58	25.0
							260		1.85	
SR090G-2F	SR090A-2F	90	1ph 110	60	90~1050	710	260	410	1.48	28.0
									1.85	
MR090G-CF	MR090A-CF	90	1ph 220	50	80~1350	710	230	410	0.72	5.0
									0.78	
SR090G-HF	SR090A-HF	90	1ph 220	60	90~1050	710	260	410	0.71	5.0
									0.75	

● 电机安全规格以电机铭牌上的型号数据为准。

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, 配置有容量容量以表格数据为准。

Note: “A” it means the voltage 110v the assembly capacitor value it is according the table.

种类 Type

电动机 Motor

轴型 Type	型号Model	
	齿轴型 Pinion Shaft	圆轴型 Round Shaft
轴型 Lead Motor Type	SR090G-AF	SR090A-AF
	SR090G-2F	SR090A-2F
	SR090G-CF	SR090A-CF
	SR090G-HF	SR090A-HF

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

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速比 Gear Ratio
长寿命·低噪音 Long Life · Low Noise	MR□X	3, 3.5, 5, 8, 7.5, 9, 12.5, 15, 16, 25, 28, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200
		100~1000 (中心距减速机 (External Gearhead))

● 减速机型号的□中为减速比的数据

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机与电机分开时，用括号中的□中为表示带括号型号的ZD。Gearhead and motor can be sold separately. Enter the code that represents the terminal box type (□) within the model name.
- 减速机型号中的□中为减速比的数值。Enter the gear ratio in the box (□) within the model name.
- 也表示与电机同一方向运转，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.
- 减速机以额定同步转速 (50Hz : 1500/min, 60Hz : 1800/min) 为基准额定减速机所输出转速的数值。实际转速和额定值大小变化所允差减少2%~20%左右。The speed is calculated by dividing the motor's synchronous speed / 50Hz : 1500/min, 60Hz : 1800/min by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 转速比大于下表列出的减速比时，可在电机与减速机之间安装减速机为中间减速机。这时的容许转矩为20%。To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead/gear ratio between the gearhead and motor. In that case, the permissible torque is 20%.

■ 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 20 25 30 36 50 60 75 90 100 120 150 180 200																			
		转速 Speed r/min	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
SINORGE-AF□	50□/150	50	1.7	2.0	2.8	3.4	4.3	5.1	6.4	7.7	9.2	11.6	13.8	16.6	20	25	30	36	45	54	63
SINORGE-AH□		60	1.7	2.0	2.8	3.4	4.3	5.1	6.4	7.7	9.2	11.6	13.8	16.6	20	25	30	36	45	54	63
SINORGE-CH□		50	1.7	2.0	2.8	3.4	4.3	5.1	6.4	7.7	9.2	11.6	13.8	16.6	20	25	30	36	45	54	63
SINORGE-4F□		60	1.7	2.0	2.8	3.4	4.3	5.1	6.4	7.7	9.2	11.6	13.8	16.6	20	25	30	36	45	54	63

■ 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) → P212 减速机 → P212

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

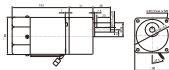
→ P212 → P212

■ 外形图 (单位:mm) Dimensions (Unit:mm)

减速机带有安装螺栓 Mounting screws are included with gearhead.

- 箱体型 Load Housing Type

重量 Weight : 电动机 Motor : 3.3kg 减速机 Gearhead : 1.5kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
SINORGE-AF SINORGE-AH SINORGE-CH SINORGE-4F	50□/150	3~200	65.5

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

ZD中大电机: 15257416648

● 凸緣舌型固定環 Race Mounting Reducer

● 2019年12月10日，中国银保监会发布《关于规范商业银行互联网贷款业务的通知》，明确商业银行互联网贷款业务应当坚持小额、分散的原则，提高资产分散度，合理控制贷款集中度，不得开展期限错配、流动性错配，不得开展期限超过36个月的贷款业务。

Can be mounted on full type gear stud

REFERENCES

重量: 1.54g



● 健 - 健精 (減減調動)

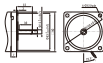
Cap - Keyword/Summary of Download



● 圓軸型磨輪軸部分 Shaft Section Of Round Shaft Type

除菌室 除菌室(sterilization room)是指对物品进行灭菌处理的房间。除菌室应设置在无菌室附近，以便将已灭菌的物品直接送入无菌室使用。

Excluding weight and the shaft section's outer shape are the same as those of the pinion shaft type.



● 中國經濟學 Decadal Garland

可安装在双轴轮轴型上。Can be connected to EU pinion shaft type shafts (not included as standard).

SUBJECTS

重量 (Weight) : 0.55kg



■ **连接图** Wiring Diagram

[illegible]

ZD中大电机: 15257416648

弧锥直角

SPIRAL BEVEL RIGHT ANGLE

■ 装有减速机时的容许转矩 Goar Motor-Torque Table

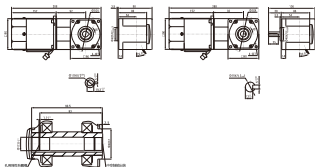
- 减速机+中间减速机例选: * 通过带型号的□中为表示带轴子箱型号的字母(TL)
Gearhead and mid-gearbox can be added separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速机型号的□中为减速机比的数据。色表示与电动机同一方向旋转, 其他则为相反方向。
Enter the gear ratio in the box (□) within the model name.
The colored background indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速以电动机额定转速 (1500/1800/min, 3000/3600/min) 为基础按减速机比而得出的数值。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 (50Hz: 1500/min, 60Hz: 1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 转速比大于下表的减速机比时进一步减速时, 可在电动机与减速机之间安装减速机比1/10的中间减速机。这时的容许转矩为200m。
To reduce the speed beyond the gear ratio in the table, attach a mid-gearbox (gear ratio: 10) between the gearhead and motor. In that case, the permissible torque is 200 m.

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

机型Type	电动机额定功率 Motor/Gearhead	减速机比 Gear Ratio	2	3.0	5	6	7.5	9	12.5	15	18	25	30	3.6	50	60	75	90	100	120	150	180
900R90-LM□ 900R90-LP□ 900R90-LP□ 900R90-LP□	减速机比 Gear Ratio	3000	588	417	308	270	200	166	120	100	83	66	58	417	30	25	20	16	18	12	18	8
		6000	588	508	368	300	240	200	144	120	100	72	58	508	36	30	24	20	18	15	12	18
		9000	115	155	211	258	355	428	582	713	852	115	142	151	28.6	28.6	28.6	28.6	30.8	30.8	30.8	28.0
		12000	13.0	15.7	21.1	26.1	36.2	43.5	60.4	72.5	87.3	121	145	157	300	300	300	300	280	280	280	280
900R90-LP□ 900R90-LP□	减速机比 Gear Ratio	3000	1.00	1.34	1.71	2.00	2.88	3.44	4.77	5.72	6.87	9.54	11.5	12.4	17.1	28.6	28.6	28.6	30.8	30.8	30.8	28.0
		6000	10.5	13.6	17.5	21.0	29.2	35.1	48.7	58.8	70.1	97.8	117	128	175	300	300	300	280	280	280	280

■ 调速尺寸图 Speed Control Type Drawing

900R90-LP□: 5000-1000	900R90-LP□: 5000-1000	900R90-LP□: 5000-1000	900R90-LP□: 5000-1000
900R90-LP□: 5000-1000	900R90-LP□: 5000-1000	900R90-LP□: 5000-1000	900R90-LP□: 5000-1000



注: 接线图中大标准型电动机 Note: The connector is for standard speed controller

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■120W □90mm



规格 Specs 连续额定 Cont. Rated

型号Model - 类型 Type 轴端型 Lead Wire Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	额定转矩 Allowance Torque		启动转矩 Starting Torque mN.m	电流 Current A	电容容量 Capacitor μF
行星轴型 Planetary Shaft	圆轴型 Round Shaft					1200mm mN.m	400mm mN.m			
SR120RQU-4F	SR120RA-4F	120	1ph 110V	50	90~1200	750	330	530	2.10	30
				60	90~1800				2.90	
SR120RQU-2F	SR120RA-2F	120	1ph 110V	60	90~1800	750	300	530	1.80	20
			1ph 120V						1.80	
SR120RQU-1F	SR120RA-1F	120	1ph 220V	50	90~1200	750	330	530	1.80	1.0
			1ph 230V						8.95	
SR120RQU-4F	SR120RA-4F	120	1ph 220V	60	90~1800	750	300	530	1.80	1.0
			1ph 230V						8.95	

●各种安全规格以电机所附牌上的型号取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

●注：“A” 型号电压为110V时，配置和容量容量以系列规格为准。

Note: "A" means the voltage 110V, the assembly capacity value is according the table.

种类 Type

电动机 Motor

机座 Type	型号Model	
	行星轴型 Planetary Shaft	圆轴型 Round Shaft
特快型 Lead Wire Type	SR120RQU-4F	SR120RA-4F
	SR120RQU-2F	SR120RA-2F
	SR120RQU-1F	SR120RA-1F
	SR120RQU-4F	SR120RA-4F

行星齿轮减速机 (另售) Planetary Shaft Gearhead (Sold Separately)

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速机 Gear Ratio
长寿命・低噪音 Long Life • Low Noise	SGL□R	3, 3.6, 5, 6, 7.5, 8, 12.5, 15, 16, 20, 26, 30, 36, 48, 75, 90, 100, 120, 150, 180, 200
		10001000 (中心减速机 Central Gearhead)

●减速机型号的□中为减速机齿数

Enter the gear ratio in the box (□) with the model name

ZD中大电机: 15257416648

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● 凸缘安装型减速机 Flange Mounting Reducer

ZD中大电机: 15257416648

弧锥直角 SPIRAL BEVEL RIGHT ANGLE

■ 带有减速器时的容许转矩 Gear Motor-Torque Table

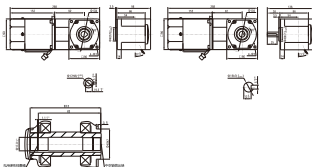
- 减速器 400 和 500 系列。电动机型号中的 □ 中为表示原动机型号的代号 (T)。
Gearhead and mid-gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速器型号中的 □ 中为减速比的数值。色表示电动机同一方向旋转, 其他则为相反方向。
Enter the gear ratio in the box (□) within the model name.
The colored 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) 为基准乘以减速比而得出的数值。实际转速将随着负载大小变化而比所示数值减少 2%~25% 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%~25% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比运行进一步减速时, 可在电动机与减速器之间安装减速比为 10 的中间减速器。此时所需转矩为 200%。
To reduce the speed beyond the gear ratio in the table, attach a mid-gearbox (gear ratio 10) between the gearhead and motor. In that case, the permissible torque is 200%.

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

机座类型 电动机/减速器 Motor/Gearhead	电机功率 Power (kW)	转速 Speed (r/min)	减速比 Ratio	容许力矩 Allowance Torque	容许力矩 Allowance Torque
500 系列 1/2 号	0.18	1500	1	1.78	2.85
	0.25	1500	1	2.85	4.55
	0.37	1500	1	4.55	7.15
	0.55	1500	1	7.15	11.15
500 系列 3/4 号	0.75	1500	1	11.15	17.4
	1.1	1500	1	17.4	27.3
	1.5	1500	1	27.3	42.5
	2.2	1500	1	42.5	66.0
500 系列 1 号	3.0	1500	1	66.0	101.5
	4.0	1500	1	101.5	157.5
	5.5	1500	1	157.5	244.5
	7.5	1500	1	244.5	379.5
500 系列 2 号	11.0	1500	1	379.5	587.5
	15.0	1500	1	587.5	898.5
	22.0	1500	1	898.5	1387.5
	30.0	1500	1	1387.5	2137.5

■ 转速尺寸图 Speed Control Type Drawing

500 系列 1/2 号 1500r/min	500 系列 3/4 号 1500r/min	500 系列 1 号 1500r/min	500 系列 2 号 1500r/min
500 系列 1/2 号 1800r/min	500 系列 3/4 号 1800r/min	500 系列 1 号 1800r/min	500 系列 2 号 1800r/min



注: 插图所示为中大标准型减速器。Note: The connector is for standard type speed controller.

蜗轮蜗杆直角 WORM GEAR RIGHT ANGLE

带有减速器时的容许转矩 Gear Motor-Torque Table

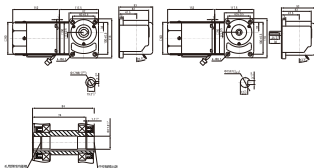
- 减速器+中间减速器列: 电动机型号中的□中为表示带端子箱型的代码(T)。
Gearhead and mid-gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速器型号的□中为减速比的数据。□色表示与电动机同一方向运转, 其他则为相反方向。
Enter the gear ratio in the box (□) within the model name.
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是电动机同步转速 (1000/1500/min, 1800/1800/min) 为基础除以减速比而算出来的数值。实际转速与额定大小电机相比所示数值减少2%~20%左右。
The speed is calculated by dividing the motor's synchronous speed (1000/1500/min, 1800/1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比下表中的减速比进一步减速时, 可取电动机与减速机之间安装减速比为1:10的中间减速机。这时的容许转矩为1/20m。
To reduce the speed beyond the gear ratio in the table, attach a mid-gearbox (gear ratio 1:10) between the gearhead and motor. In that case, the permissible torque is 1/20 m.

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

机型Type	速度Speed	2	3.6	5	6	7.5	9	12.5	15	18	25	30	3.6	5.0	6.0	7.5	9.0	12.0	15.0	18.0	18.0
电动机/减速机 Motor/Gearhead	转速Speed rpm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	1000	1.28	1.49	1.85	2.23	2.70	3.34	4.64	5.57	6.58	8.28	11.1	13.4	16.6	20.0	25.0	25.0	25.0	25.0	25.0	25.0
电动机/减速机 Motor/Gearhead	1500	12.5	15.2	18.5	22.1	28.4	34.1	47.4	56.8	66.2	84.7	114	136	168	208	258	258	258	258	258	258
	1800	1.09	1.29	1.50	1.80	2.25	2.80	3.74	4.49	5.29	7.49	9.99	12.0	15.0	18.0	22.5	22.5	22.5	22.5	22.5	22.5
电动机/减速机 Motor/Gearhead	1000	10.10	12.2	15.3	18.3	23.9	27.5	38.2	45.8	53.8	70.6	91.7	110	132	162	200	200	200	200	200	200
	1500	10.10	12.2	15.3	18.3	23.9	27.5	38.2	45.8	53.8	70.6	91.7	110	132	162	200	200	200	200	200	200

调速尺寸图 Speed Control Type Drawing

SK120R90-4F□/50□/30	SK120R90-4F□/50□/30	SK120R90-4F□/50□/30	SK120R90-4F□/50□/30
SK120R90-4F□/50□/30	SK120R90-4F□/50□/30	SK120R90-4F□/50□/30	SK120R90-4F□/50□/30



注: 连接器为大中型电机通用型。Note: The connector is for shongda standard speed controller

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■120W □104mm



规格 Specs 连续额定 Cont. Rated

型号Model · 类型Type 轴伸型 Lead shaft Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
电动机型 Motor Type	圆轴型 Round Shaft					1200/min mN·m	90/min mN·m			
WR120RGJ-AF	WR120RA-AF	120	1ph 100	50	80~1350	350	360	520	2.18	20
				60	90~1050				2.58	
WR120RGJ-EF	WR120RA-EF	120	1ph 110	60	90~1050	350	360	520	1.29	20
									1.88	
WR120RGJ-CF	WR120RA-CF	120	1ph 220	50	80~1350	350	360	520	0.86	8.0
									1.05	
WR120RGJ-HF	WR120RA-HF	120	1ph 230	60	90~1050	350	360	520	0.86	8.0
									1.05	

● 电机安全规格以电机铭牌上的型号数据为准。

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，配置有容量容量以表格数据为准。

Note: “A” it means the voltage 110V the assembly capacitor value it is according the table.

种类 Type

● 电动机 Motor

机壳 Type	型号Model	
	轴伸型 Polar Shaft	圆轴型 Round Shaft
标准型 Lead Motor Type	WR120RGJ-AF	WR120RA-AF
	WR120RGJ-EF	WR120RA-EF
	WR120RGJ-CF	WR120RA-CF
	WR120RGJ-HF	WR120RA-HF

● 平行轴减速机 [另售] Parallel Shaft Gearhead [Sold Separately]

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速比 Gear Ratio
长寿命・低噪音 Long Life・Low Noise	SGJ2X	3, 3.5, 5, 6, 7.5, 9, 12.5, 15, 16, 25, 30, 36, 50, 55, 75, 90, 100, 120, 150, 180, 200

● 减速机型号的□中为减速比数据

Enter the gear ratio in the box (□) within the model name

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机与电机中间连接时，通过右面表的□中为表示带端子型号的数字TL

Gearhead and motor can be sold separately. Enter the code that represents the terminal/box type (TL) in the box (□) within the model name.

- 减速机型号中的□中为减速比的数值

Enter the gear ratio in the box (□) within the model name.

- 也表示与电机同一方向旋转，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.

- 标准额定转速的同步转速 (50Hz: 1500rpm, 60Hz: 1800rpm) 为基准额定减速机比而得出电机的数值。实际转速和额定值大小变化额定值减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed (50Hz: 1500rpm, 60Hz: 1800rpm) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

■ 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																							
		50Hz Speed r/min												60Hz Speed r/min											
MR120RGA-AP□ MR120RGA-HP□ MR120RGA-CP□ MR120RGA-AP□	MRJCK	50Hz												60Hz											
		2.3 2.3 3.8 4.5 5.8 6.8 8.8 10.7 12.2 16.3 18.4 23.1 30.7 38.8 43 48 48 40 40 40 40 40 40 40												2.3 2.3 3.8 4.5 5.8 6.8 8.8 10.7 12.2 16.3 18.4 23.1 30.7 38.8 43 48 48 40 40 40 40											
		15.4 27.5 38.1 45.2 57.5 68.1 88.1 104 124 150 167 205 275 345 388 430 480 480 400 400 400 400 400 400												15.4 27.5 38.1 45.2 57.5 68.1 88.1 104 124 150 167 205 275 345 388 430 480 480 400 400 400 400											
		1.8 2.3 3.0 3.6 4.6 5.5 6.8 8.2 9.8 12.4 14.3 17.8 24.3 30.7 35.2 39.8 440 480 480 400 400 400 400												1.8 2.3 3.0 3.6 4.6 5.5 6.8 8.2 9.8 12.4 14.3 17.8 24.3 30.7 35.2 39.8 440 480 480 400 400 400											

■ 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 (圆底座) → P21页

Motor(Round Base) → P21页

减速机 → P22页

Gearhead → P22页

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

→ P21页~P22页

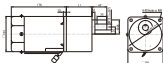
■ 外形图 (单位: mm) Dimensions (Unit: mm)

减速机带有安装用螺栓 Mounting screws are included with gearhead.

- 箱体型 Load Housing Type

重量 Weight: 电动机 Motor: 4.9kg

减速机 Gearhead: 2.1kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速比 Gear Ratio	L1
MR120RGA-AP MR120RGA-HP MR120RGA-CP MR120RGA-AP	MRJCK	3~200	70

- 减速机型号中的□中为减速比的数值

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

● 圆轴带键轴型 Shaft Section Of Round Shaft Type

除重量及轴型外电机机壳均与轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the prior shaft type.

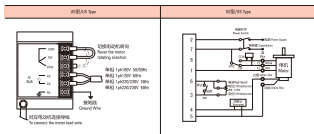


● 键 - 键槽 (圆轴圆角型)

Key - Keyway (Roundness of Round shaft)



■ 连接图 Wiring Diagram



弧锥直角

SPIRAL BEVEL RIGHT ANGLE

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

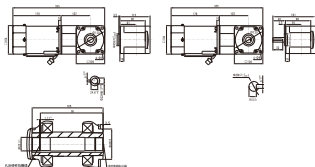
- 减速机+电机减速机列表。★ 电动机型号中的□中为表示的带端子箱型的记号(T)。Gearhead and motor gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速机型号中的□中为减速机比的数据。■ 色表示与电动机同一方向旋转，其他则为相反方向。Enter the gear ratio in the box (□) within the model name. The colored background ■ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是电动机额定转速 (1500/1800rpm, 3000/3600rpm) 为基准按减速机比计算出来的数值。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 (1500/1800rpm, 3000/3600rpm) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比大于下表的数据比进行进一步减速时，可取电动机与减速机之间安装减速机比为1:1的中间减速机。这时的容许转矩为60%。To reduce the speed beyond the gear ratio in the table, attach a mid-gear box (gear ratio 1:1) between the gearhead and motor. In that case, the permissible torque is 60%.

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

机型 Type	减速机 Gear Ratio	3	3.5	5	6	7.5	9	12.5	15	16	20	25	30	3.5	5.0	6.0	7.5	9.0	100	120	150	180
电动机/减速机 Motor/Gearhead	转速 Speed (rpm)	3000	3600	411	388	258	228	166	120	100	81	65	50	610	38	25	22	16	11	12	18	8
	容许力矩 Allowance Torque	680A	680B	680C	680D	228	238	208	144	130	100	73	66	508	26	22	18	13	10	10	18	8
680 ZD90A-4□	电动机/减速机 Motor/Gearhead	680A	1.78	2.08	2.54	3.41	4.26	5.68	7.99	9.47	11.4	15.8	18.9	22.7	26.4	34.1	42.6	51.1	56.8	60.8	60.8	60.8
680 ZD90A-4□		680B	17.4	20.9	25.0	34.5	43.5	58.0	68.5	86.8	116	141	183	232	298	348	426	512	560	600	680	188
680 ZD90A-4□		680C	1.37	1.65	2.29	2.75	3.44	4.59	5.38	6.36	7.84	9.78	12.7	15.3	18.3	23.9	27.5	34.4	40.3	45.8	55.8	60.8
680 ZD90A-4□	680D	14.8	16.8	23.4	28.0	35.1	46.1	54.9	72.9	90.5	116	158	183	234	288	351	421	461	561	680	188	188

■ 调速尺寸图 Speed Control Type Drawing

680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□
680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□	680 ZD90A-4□-680A-4□



注：接线端子为大和型端子盒。 Note: The connector is for standard speed controller

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

■140W □104mm



规格 Specs 连续额定 Cont. Rated

型号 Model · 类型 Type 轴结构 Lead shaft Type		最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range rpm	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容补偿量 Capacitor μF
减速机型 Reducer Type	圆轴型 Round Shaft					1200/min mN·m	900/min mN·m			
MR140RG-AF	MR140RA-AF	140	1ph 100	50	80~1150	830	430	620	2.75	25
				60	90~1550				3.00	
MR140RG-EF	MR140RA-EF	140	1ph 110	60	90~1550	830	450	620	1.80	25
									1.80	
MR140RG-CF	MR140RA-CF	140	1ph 220	50	80~1150	830	430	620	1.05	10
									1.15	
MR140RG-HF	MR140RA-HF	140	1ph 220	60	90~1550	830	450	620	1.05	10
									1.15	

● 各种安全规格以电机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

● 注：“A” 型号电压为100V，配置有容量容量以实际铭牌为准。

Note: “A” is means the voltage 110V, the assembly capacity for the value it is according the label.

种类 Type

● 电动机 Motor

机座 Type	型号 Model	
	点轴轴型 Pinon Shaft	圆轴型 Round Shaft
标准型 Lead Motor Type	MR140RG-AF	MR140RA-AF
	MR140RG-EF	MR140RA-EF
	MR140RG-CF	MR140RA-CF
	MR140RG-HF	MR140RA-HF

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

减速机种类 Gearhead Type	减速机型号 Gearhead Model	减速比 Gear Ratio
长寿命=低噪音 Long Life = Low Noise	SGJ□X	3, 3.5, 5, 6, 7.5, 9, 12.5, 15, 16, 25, 30, 36, 50, 58, 75, 90, 100, 120, 150, 180, 200

● 将减速比填入型号□中为减速比数据

Enter the gear ratio in the box (□) within the model name

弧锥直角 SPIRAL BEVEL RIGHT ANGLE

■ 带有减速机时的容许转矩 Gear Motor-Torque Table

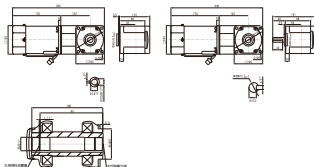
- 减速机-中间减速机列表。* 带电机型号的□中为表示的带端子箱型的记号(T)。
Gearhead and mid-gearbox can be sold separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速机型号的□中为减速机比的数据。□色表示与电机轴同一方向旋转，同色则为相反方向。
Enter the gear ratio in the box (□) within the model name.
The colored background □ indicate the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是□电机轴的同步转速 (1000/1500/min, 3000/1800/min) 为基础按减速机比计算出来的数据。实际转速将随负载大小变化而比所示数据减少2%~20%左右。
The speed is calculated by dividing the motor's synchronous speed (1500/1800/min, 3000/1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比大于下表的数据进行比较时，可取有电机与减速机之间安装减速机比为1:1的中间减速机。这时的容许转矩为60N·m。
To reduce the speed beyond the gear ratio in the table, attach a mid-gear box (gear ratio 1:1) between the gearhead and motor. In that case, the permissible torque is 60N·m.

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

减速机Type 减速机/减速机 Motor/Gearhead	减速机Gear Ratio	3	3.6	5	6	7.5	8	12.5	15	18	25	30	3.6	50	60	75	90	100	120	150	180
000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	减速机Speed min	500	417	300	250	200	180	120	100	80	60	50	417	30	25	20	18	15	12	10	8
	容许力矩 Allowance Torque	199	239	321	398	497	553	821	110	132	164	221	285	301	368	457	516	600	720	880	1050
000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	减速机Speed min	500	417	300	250	200	180	120	100	80	60	50	417	30	25	20	18	15	12	10	8
	容许力矩 Allowance Torque	199	239	321	398	497	553	821	110	132	164	221	285	301	368	457	516	600	720	880	1050
000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	减速机Speed min	500	417	300	250	200	180	120	100	80	60	50	417	30	25	20	18	15	12	10	8
	容许力矩 Allowance Torque	199	239	321	398	497	553	821	110	132	164	221	285	301	368	457	516	600	720	880	1050

■ 调速尺寸图 Speed Control Type Drawing

000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C	000-400G-A/C 000-400G-B/C 000-400G-C/C 000-400G-D/C 000-400G-E/C
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注：接线端子为大和型标准端子。 Note: The connector is for zhongda standard speed controller.

ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

200W □104mm



规格 Specs 连续额定 Cont. Rated

型号 Model · 类型 Type 轴结构 Lead filix Type	最大 输出功率 Output power W	电压 Voltage V	频率 Frequency Hz	调速范围 Speed Control Range times	容许转矩 Allowance Torque		启动转矩 Starting Torque mN·m	电流 Current A	电容容量 Capacitor μF
					1200/min mN·m	90/min mN·m			
BR200RGJ-CF	200	1ph 220 1ph 230	50	90~1150	930	580	1000	1.40	10
BR200RGJ-HF	200	1ph 220 1ph 230	60	90~1050	930	580	1000	1.40	10

◆各种安全规格以电动机铭牌上的型号取据认证。

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, 配置电容容量要以实际铭牌为准。

Note: "A" it means the voltage 110V the assembly capacitor value it is according the label.

种类 Type

●电动机 Motor

机座 Type	型号 Model	
	轴结构型 Polar Shaft	圆轴型 Round Shaft
标准型 Lead Motor Type	BR200RGJ-CF	BR200RA-CF
	BR200RGJ-HF	BR200RA-HF

●平行轴减速机 (如需) Parallel Shaft Gearbox (Sold Separately)

减速机种类 Gearbox Type	减速机型号 Gearbox Model	减速比 Gear Ratio
长寿命・低噪音 Long Life・Low Noise	48U□X	3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 16, 25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200

◆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

ZD中大电机: 15257416648

■ 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机开槽中间减速机时数。

Gearhead are sold separately. Decimal gearheads are not available.

- 减速机型号的□中为减速机比的数据。

Enter the gear ratio in the box (□) within the model name.

- 也表示与电机同一方向旋转，斜线表示相反方向。

The colored background (□) indicates the same rotating direction of the motor while the rotating direction of others are opposite.

- 标准额定转矩的同步转速 (50Hz : 1500/min, 60Hz : 1800/min) 为基准额定减速机比而定的数值。实际标准转矩的电机小变化时容许减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed (50Hz : 1500/min, 60Hz : 1800/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

■ 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	减速机 Gear Ratio																				
		3		3.5		4		5		6		7.5		10		12.5		15		20	
		50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min	50Hz Speed 1/min	60Hz Speed 2/min
MR200RGA-AP□	MRJ2K	900	117	100	128	200	256	300	384	450	576	600	768	900	1152	1200	1536	1800	2250	2400	3000
MR200RGA-AP□		900	117	100	128	200	256	300	384	450	576	600	768	900	1152	1200	1536	1800	2250	2400	3000
MR200RGA-AP□		900	117	100	128	200	256	300	384	450	576	600	768	900	1152	1200	1536	1800	2250	2400	3000
MR200RGA-AP□		900	117	100	128	200	256	300	384	450	576	600	768	900	1152	1200	1536	1800	2250	2400	3000

■ 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 (图例) : P211

Motor(Power Shaft) : P211

减速机 : P211

Gearhead : P211

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

—P211—P211

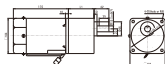
■ 外形图 (单位:mm) Dimensions(Unit:mm)

减速机附带的安装用螺栓 Mounting screws are included with gearhead.

- 带轴型 Lead Flange Type

重量 Weight : 电动机 Motor : 5.1kg

减速机 Gearhead : 3.1kg



电动机型号 Motor Model	减速机型号 Gearhead Model	减速机 Gear Ratio	L ¹
MR200RGA-AP□ MR200RGA-AP□	MRJ2K	3~200	70

● 减速机型号的□中为减速机比的数据

Enter the gear ratio in the box (□) within the model name

ZD中大电机: 15257416648

● 圆轴型特轴部分 Shaft Section Of Round Shaft Type

标准型及特轴型电机外形与圆轴轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the prior shaft type.

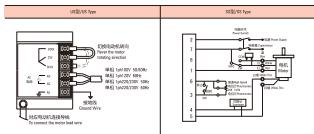


● 键 - 键槽 (标准圆轴型)

Key - Keyway (Standard Round Shaft)



■ 连接图 Wiring Diagram



弧锥直角 SPIRAL BEVEL RIGHT ANGLE

■ 带有减速器时的容许转矩 Gear Motor-Torque Table

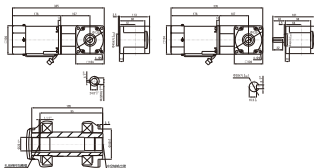
- 减速器中间减速器列格。• 电动机型号中的□中为表示带端子箱型的记号(T)。Gearhead and mid gearbox can be added separately. Enter the code that represents the terminal box type (T) in the box (□) within the model name.
- 减速器型号中的□中为减速比的数据。■ 色表示与电动机同一方向旋转, 其他则为相反方向。Enter the gear ratio in the box (□) within the model name. The colored background ■ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是电动机额定转速 (1500/1800/min, 3000/3600/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而比所示数值减少2%~20%左右。The speed is calculated by dividing the motor's synchronous speed (1500/1800/min, 3000/3600/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望比下表中的速度比进行进一步减速时, 可取电动机与减速机之间传动速比为1:10的中间减速机。这时的容许转矩为60% m。
To reduce the speed beyond the gear ratio in the table, attach a mid gearbox (gear ratio 1:10) between the gearhead and motor. In that case, the permissible torque is 60% m.

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

机型Type	减速比Gear Ratio	2	3.6	5	6	7.5	9	12.5	15	18	25	28	36	50	60	75	90	100	126	150	180
电动机/减速机 Motor/Gearhead	快速Speed min	3000	168	117	100	250	200	166	120	100	83	68	58	42	30	25	20	18	12	10	8
	低速Slow min	3000	168	108	100	200	240	200	144	120	100	72	58	50	36	30	24	20	18	15	12
8K200R01-AP□	容许力矩 Allowance Torque	3000	3.71	4.46	6.75	7.43	9.28	11.3	13.9	16.7	20.1	21.2	26.3	36.3	58.4	68.8	80.8	80.8	80.8	80.8	88.0
8K200R01-AP□		3000	31.9	45.5	63.1	75.8	94.3	114	142	171	205	257	36.9	519	515	600	600	600	600	600	600
8K200R01-CP□		3000	31.9	45.5	63.1	75.8	94.3	114	142	171	205	257	36.9	519	515	600	600	600	600	600	600
8K200R01-CP□		3000	31.9	45.5	63.1	75.8	94.3	114	142	171	205	257	36.9	519	515	600	600	600	600	600	600
8K200R01-AP□	容许力矩 Allowance Torque	3000	2.99	3.59	4.99	5.99	7.49	9.99	11.2	13.5	16.2	20.5	24.4	29.3	48.7	48.8	50.8	50.8	60.8	60.8	68.0
8K200R01-CP□		3000	29.9	36.9	50.9	61.9	76.4	97.3	115	138	165	207	248	298	415	416	600	600	600	600	600
8K200R01-CP□		3000	29.9	36.9	50.9	61.9	76.4	97.3	115	138	165	207	248	298	415	416	600	600	600	600	600
8K200R01-CP□		3000	29.9	36.9	50.9	61.9	76.4	97.3	115	138	165	207	248	298	415	416	600	600	600	600	600

■ 调速尺寸图 Speed Control Type Drawing

8K200R01-AP□/8K200R01-CP□	8K200R01-CP□/8K200R01-CP□	8K200R01-AP□/8K200R01-RT	8K200R01-CP□/8K200R01-RT
8K200R01-RT□/8K200R01-RT□	8K200R01-RT□/8K200R01-RT□	8K200R01-RT□/8K200R01-RT□	8K200R01-RT□/8K200R01-RT□



注: 接线端子为大号标准型四端子 Note: The connector is for standard standard speed controller

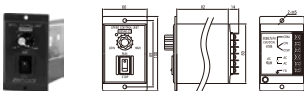
ZD中大电机: 15257416648

调速电动机 SPEED ADJUSTABLE MOTOR

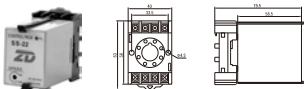
■ 控制装置号说明 Description Of Governor Model

U	S	11	A
调速器种类 Speed Controller Type A组合型 A Combination	调速器种类 Speed Controller Type S速度控制器 S Speed Governor	电压 Voltage 11单相110V/50Hz 11 Single Phase 110V/50Hz	电容安装方式 Capacitor Mounting Type A内置式电容量器 A Built-in Capacitor
S分离型 S Separation		22单相220V/50Hz 22 Single Phase 220V/50Hz	电容安装方式 Capacitor Mounting Type B外置式电容量器 B External Capacitor
		33数字型平滑器 33 Digital Smoother	

■ 组合型 Combination SS11、SS22 正、反转变速 Clockwise And Anti-Clockwise Speed Change



■ 分离型 Separation SS11、SS22 正、反转变速 Clockwise And Anti-Clockwise Speed Change



■ 调速器特性表 List Of Speed Governor Characteristics

参数/Parameter 型号/Model	电压/V Voltage(V)	额定电流/A Rated Current(A)	最大峰值电流/A Peak Current(A)	电机功率/W Motor Power(W)	调速范围/rpm Speed Range(rpm)	调速分辨率 Speed Resolution	调速响应器 Speed Response	调速稳定性 Speed Stability	工作环境温度 Working Ambient Temperature
SS11	110V±10%	90/8	5	0-140	30-1550	3%	R/S	EX Excellent	-10°C~+50°C
SS22	220V±10%	90/8	5	0-220	30-1550	3%	R/S	EX Excellent	-10°C~+50°C
SS11	110V±10%	90/8	5	0-140	30-1550	3%	R/S	EX Excellent	-10°C~+50°C
SS22	220V±10%	90/8	5	0-220	30-1550	3%	R/S	EX Excellent	-10°C~+50°C
SS33	110V±10%	90/8	5	0-140	30-1550	3%	R/S	EX Excellent	-10°C~+50°C
	220V±10%	90/8	5	0-220	30-1550	3%	R/S	EX Excellent	-10°C~+50°C