

# LEADING POWER OF CHINA

中大，引领中国动力。

## BRIEF INTRODUCTION

关于中大。

宁波中大力德传动设备有限公司致力于生产微型交流、直流有刷/无刷齿轮减速电动机。感应电机、可逆电机、力矩电机、刹车电机、小型减速电机、无刷直流电动机、微型齿轮箱、硬齿面齿轮减速器、精密蜗杆、高精度行星齿轮减速器、行星齿轮减速电动机等产品都是我们的强项。

Ningbo ZD Leader Transmission Equipment Co.,Ltd has concentrated herself on production of micro ac gear motor and dc gear motor. We have advantage on induction motor, reversible motor,torque motor, brake motor, small gear motor,BLDC motor, micro gearbox, gearbox with hard gear surface, precise worm, high precision planetary gearbox, gearbox, planetary gear motor.



## HONOUR

中国电机行业的翘楚。

中大凭借出色的表现，赢得专业的掌声。现为中国电器工业协会常务理事；中国齿轮专业协会理事；中国电器工业协会微电机分会理事；中国电子元件行业协会微特电机与组件分会理事；全国微电机标准化技术委员会委员；浙江省微电机标准化技术委员会委员。

ZD is executive director of Chinese Appliance Industrial Association, director of Chinese Gear Industrial Association, director of micro motor branch in Chinese Electrical Appliance Industrial Association, director of Chinese Micro Motor and Parts Industrial Association, member of Chinese Micro Motor Standardized Technical Committee, member of the Zhejiang province Micro Motor Standardized Technical Committee.

## 4 NATIONAL STANDARD OF CHINA

众多国家行业标准的起草者。

中大是国家标准《电子调速微型异步电动机通用技术条件》第一起草单位，国家标准《控制电机型号命名方法》、《交流伺服系统通用技术条件》、《控制微电机用齿轮减速器系列》主要起草单位。

ZD is the first draft-man of national standard 《Common technical terms of micro asynchronous speed adjustable motor》，national standard 《Naming method of motor type control》，《Common technical terms of ac servo system》 and main draft-man of 《Control gearbox series matching to motor》.





## 高精度齿轮系列

## HIGH PRECISION GEAR SERIES



●转子轴材料采用40Cr，齿部粗滚后高频淬火HRC50-55，硬齿面二次刮削，齿轮精度可达ISO 6-7级。●轴齿轮材料采用20CrMnTi,齿部粗滚后渗碳淬火HRC58-61，硬齿面二次刮削，齿轮精度可达ISO 6-7级。●盘齿轮材料采用40Cr，齿部粗滚后高频淬火HRC48-51，磨齿，齿轮精度可达ISO 6-7级。

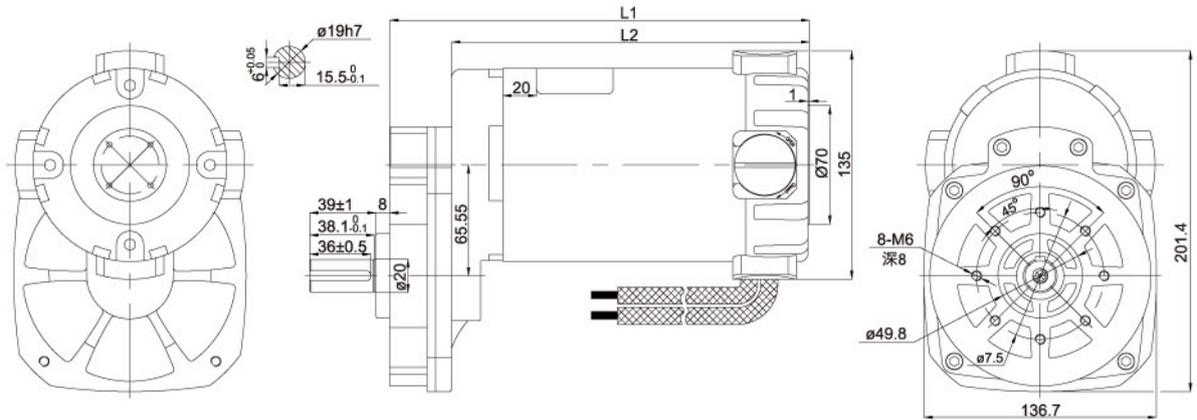
●The material of rotor is 40Cr, quench to HRC50-55 after rough rolling, two times hard cutting, the gear precision can arrive ISO class6-7. ●The material of shaft gear is 20CrMnTi, quench to HRC58-61 after rough rolling, two times hard cutting,the gear precision can arrive ISO class6-7. ●The material of plate gear is 40cr, quench to HRC48-51 after rough rolling, grind, the precision can arrive ISO class6-7.

从无到有，中大产品的不断升华是伴随着加工设备不断升级改造而实现的。中大全力引进最先进的电机专业制造设备，累计改造资金投入近亿元，是国内制造设备最先进的电机生产企业之一。精良全自动装配线的投入，能够确保中大给客户更加稳定可靠、经济实惠、物超所值的产品。检测及实验中心的成立，使公司能够掌握全套检测原材料的有效方法，确保产品所用原材料质量的可靠性。

我们追求“尽善尽美”的生产管理目标。以员工为中心，采用“精益生产”方式；科学合理地组织与配置企业拥有的生产要素，充分调动员工积极性，提高劳动生产率，力争无缺陷、零库存，降低产品成本，适应市场多元化需求。

Born with nothing, ZD motor's products get to be improved by importing advanced equipments. ZD tries to buy the most advanced industrial equipments, which is one of the companies having most advanced equipment domestically. The total investment has almost arrived 100m RMB. ZD promises to supply steady,low cost and high quality products by using automatic assembling line. ZD has all needed equipments to inspect raw material in her lab, which make sure that all the materials are dependable. ZD tries to catch the goal of no defect management. Workers are the centre. ZD keeps improving in production. ZD properly organizes and distributes her production factors, totally manoeuvres workers positivity, raise production efficiency, try to avoid defect, 0 storage, reduce the product cost, adapt to the market.





■电机性能参数 MOTOR PERFORMANCE PARAMETERS

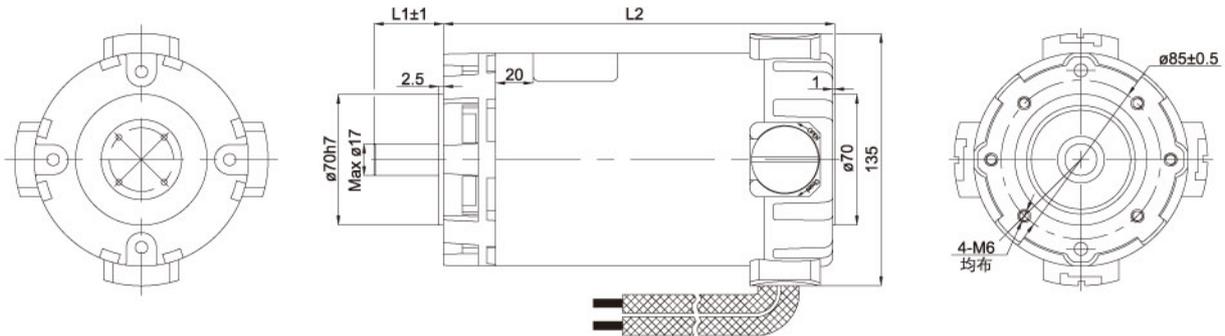
型号 Model	电压 Voltage	功率 Power	空载参数No-load Parameters		负载参数Load Parameters			电机重量 Motor Weight
			转速Speed r/min	电流Current A	转速Speed r/min	力矩Torque mN.m	电流Current A	
ZDSJ12150-21S	12	150	2200	Max3.0	2100	0.68	16.0	4.5
ZDSJ12150-25S	12	150	2800	Max3.0	2500	0.57	16.0	4.5
ZDSJ12250-25S	12	250	2800	Max3.0	2500	0.96	26.0	4.5
ZDSJ24300-21S	24	300	2400	Max2.5	2100	1.36	16.0	4.5
ZDSJ24380-20S	24	380	2400	Max2.5	2000	1.81	20.0	4.5
ZDSJ24400-20S	24	400	2400	Max2.5	2000	1.91	21.0	4.5
ZDSJ24450-15S	24	450	2000	Max2.5	1500	3.58	23.5	6.0
ZDSJ24550-20S	24	550	2400	Max2.5	2000	2.63	29.0	6.0
ZDSJ36350-18S	36	350	2200	Max2.0	1800	1.87	12.5	5.0
ZDSJ36500-20S	36	500	2400	Max2.0	2000	2.39	17.5	5.0

电动机型号 Motor model	ZDSJ12150-21S	ZDSJ12150-25S	ZDSJ12250-25S	ZDSJ24300-21S	ZDSJ24380-20S
	ZDSJ24400-20S	ZDSJ24450-15S	ZDSJ24550-20S	ZDSJ36350-18S	ZDSJ36500-20S
减速器型号 Gearhead model	GX□				
减速比 Gear Ratio	7 & 10				

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

■主要技术要求 MAIN DATA

光机空载噪音: < 65dB, L=100cm  
 耐电压: AC660V, 1S  
 泄漏电流: < 10mA  
 绝缘电阻: > 50MΩ 500V  
 工作寿命: 1000H  
 No-load noise of motor: < 65dB, L=100cm  
 Voltage endurance: AC660V, 1S  
 Leaking current: < 10mA  
 Insulation resistance: > 50MΩ 500V  
 Life: 1000H



■电机性能参数 MOTOR PERFORMANCE PARAMETERS

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			转速Speed	电流Current	转速Speed	力矩Torque	电流Current	
	V	W	r/min	A	r/min	mN.m	A	kg
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