YIKA
TRANSMISSION MACHINE
宜嘉·全球动力专家

小型直角减速电机
Small Angel Gear Motor

www.cnyika.com

ABSTRUCT 简介

上海宜嘉机械公司

上海宜嘉机械是集研发、生产、销售于一体的专业性厂家。公司先后引进国内外最先进的高精磨床、滚齿机和检验检测等设备；拥有先进的铸件车间、钢件车间和装配中心；并率先在行业内通过了质量体系认证。公司一贯秉持“质量是生命线”的生产理念，保证每一件产品出厂品质达到国际标准，确保为您提高生产率，减少生产周期，降低工程成本。

公司主要生产标准减速机（R、S、K、F系列）、H/B系列大功率减速机、RV系列蜗轮蜗杆减速机、VF、WP系列蜗轮减速机、MB无级变速机、WB、X/B系列摆线针轮减速机、T系列螺旋锥齿轮转向器、G系列全封闭齿轮减速机、丝杆升降机、小型齿轮马达、高精密间歇分割器等系列产品，被广泛应用于中国工业的各个行业。

宜嘉(中国)有限公司

宜嘉的中国事业始于上个世纪80年代末。从最初的技术合作到独资建厂再到成立销售公司，经历了多种经营模式的探索。经过20多年的不断努力，宜嘉在中国的事业已涉及家具、石油包装、塑料、模具、减速速机等多项领域，近几年正积极向石油化工及传动机械等新领域开拓。1987年，宜嘉(中国)有限公司成立并为现地法人，全面负责宜嘉在中国事业发展的各项工作。

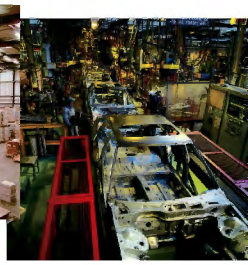
1987年，在西安和平工业园投资兴建了家具制作厂，并连年获得“最畅销品牌”“消费者放心产品”等称号。

1995年，为扩大宜嘉中国的多元化市场，公司斥资4800万于西郊工业园兴建大型厂房以用于研发生产石油包装及民用塑料化工产业。

1999年，宜嘉进入传动机械设备领域。

宜嘉集团公司

宜嘉集团位于德国北威州工业重镇Bielefeld 比勒费乐德市。自1945年创立以来，始终以创造世界一流产品为奋斗目标，积极推动事业向多元化和全球化发展，努力成为全球优良企业集团。经过近百年的制造历史，丰富的专业经验，创新的工作态度，严谨的德国风格，已经使宜嘉成为高品质设备的代名词，宜嘉集团已成为全球范围内首屈一指的领头企业。



特点与用途
Characteristic and use

ZG系列减速机采用了准双曲面齿轮设计，性能上兼有蜗轮蜗杆齿轮的低噪音和伞齿轮的高效率特点：

- **高效节能**

双曲面齿轮的滑动摩擦较小效率高达98%，HG系列减速机效率比蜗轮减速机提高15%～40%左右。

- **体积小巧**

准双曲面齿轮中心距比蜗轮副中心距离缩小30%，HG系列减速机体积趋于小型化。

- **低 噪 音**

伞齿轮的啮合一般＜2齿，而准双曲面齿轮拥有>2.5齿的啮合，其运转噪音比伞齿轮更低。

- **高强度、长寿命**

准双曲面由特殊钢材经过先进的加工工艺、渗碳硬化工艺，其强度、寿命远远高出蜗轮减速机； HG系列齿轮减速机在设计时采用高强度的箱体设计、增大齿轮轴径、选用承载能力更强的高精度轴承，适用于对扭矩要求更加苛刻的工作场所。

- **安装方便**

不受输出轴方向限制，同时提供空心轴系列产品，让用户选用、安装更加灵活方便。

适于精密的输送、提升、印刷、包装、医疗、食品、电子等自动和半自动设备中作传动之用。也非常适合作为影视设备、舞台灯光、健身器械等设施中的配套装置。

ZG minitype gear motor series used hypoid gear design, performance, both worm gear and bevel gear with low noise characteristics of high efficiency:

1. **Energy efficient** Hypoid gear smaller sliding friction gear efficiency up to 98%, HG series worm gear reducer efficiency ratio increased by 15% ~ 40%.

2. **Compact** Hypoid gear center distance from the center than the worm gear reduced 30%, HG series reducer sizes become smaller.

3. **Low noise** Bevel gear meshing generally <2 teeth, and hypoid gears have> 2.5 teeth meshing, the operating noise lower than the bevel gear.

4. **High strength, long life** Hypoid gear been advanced by the special steel processing technology, carburizing hardening process, its strength, life is far higher than the worm gear; HG series gear reducer used in the design of high-strength box design, increasing the gear shaft axis Drive, choose high-precision bearing load capacity, torque requirements applicable to the more demanding workplace.

5. **Easy installation** From the output axis limits, while providing the hollow shaft products, allows users to select, install more flexible and convenient.

They apply to transmission of auto-and semi-auto-equipments use as precision transport, lift, print, pack, medicine, food, electron and so forth. They also apply very much to supporting devices such as movie and TV equipments, stage lighting and body - building apparatus etc.

减速电机一般通用参数
General parameter for gear motor

- 通用技术条件
  绝缘电阻值：常态下≥20MΩ
  绝缘强度：1500V/1min无击穿或闪络现象
  温升极限值：75K
  电机用导线：CQC认证、600V
- 基本工况
  工作制 ：连续（SI）
  冷却方式：IC40
- 基本环境条件
  温度：−10～+40℃
  相对湿度：15%～90%

- General technical condition
  insulation resistance: ≥20MΩ(normality)
  insulation strength: 1500V/1min (no breakdown or flashover)
  limit of tem rise: 75K
  wire for motor: CQC、600V
- Basic work condition
  work system: continuous(si)
  way of cooling: IC 40
- Basic environment condition
  temperature: −10～+40℃
  relative humidity: 15%～90%

注意事项
Attention items

- 在齿轮出轴上安装连轴器、皮带轮等传动机构时，不可直接在出轴上以工具敲击安装，否则会造成减速器内部的损伤；
- 与其它机器连接时，请先确认好旋转方向。弄错方向的话，会致伤，损坏装置。
- 请不要在接线盒盖打开的状态下运转电机。
- 不要让制动器附着上水或油脂类，否则有可能因制动器故障造成失控落下事故的危险。
- Installed in the gear out of the shaft couplings, pulleys and other transmission institutions, not directly knock on the output shaft to install, otherwise it will cause internal damage reducer.
- Connection with other machines, make sure a good rotation. Wrong direction, will be injured, damage the device.
- Please do not open the terminal box cover of the operating motor.
- Do not let brake attached to the water or oils, otherwise risk falling out of control due to brake failure caused the accident risk.

ZG系列减速机型号含义
Type meaning of the HG gear motor series

ZG F – 18 R – 15 – T 90 B – [M]

标准型/缩框型区分标识： 无M表示标准型；标M表示缩框型
none:standard type; with M:mini type

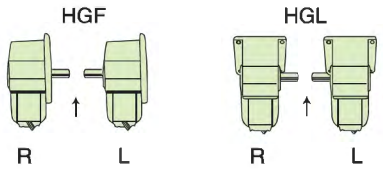
电机附件： 字母可组合使用， K表示带接线盒，B表示带制动器，T表示带调速， F表示带风叶
Accessories: K with terminal box; B with brake; T with speed regulation; F with fan

电机功率： 90表示最大输出功率90W；
Motor power: 90 output power 90W max.

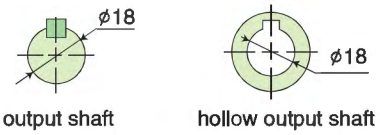
电机相数： T表示三相电机 S表示单相电机；
Motor Phase: T 3– Phase S 1– Phase

减 速 比： 15表示减速比15；
Ratio: 15 ratio 1:15

出轴方向(电机向减速箱方向看)：R右出轴 L左出轴 D左右出轴 N空心轴
Shaft direction: R right output shaft; L left output shaft; D right and left output shafts; N hollow output shaft



轴径或孔径：18表示输出轴（孔）径为18mm
Output shaft: 18 (hollow) output shaft diameter is 18mm



安装方式： F 法兰型 L 地脚安装 F2 双法兰型
Installation：F Flange type；L undersurface type； F2 double flange type

减速机类型：ZG 表示直交轴准双曲面齿轮减速电机
Reducer type： ZG hypoid gear motor

15/25W

电机特性
List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 Phase	电源电压 Voltage V	频率 Frequency Hz	电流 Current A	电容容量/耐压 Capacity/Ve μF/VAC
F R K ZG L – ΦL – i–S15 B F2 D T N F	15	单相 1–phase	220	50	0.15	1.2/450
				60	0.18	1.5/450
			110	50	0.33	5/250
				60	0.38	6/250
F R K ZG L – ΦL – i–T15 B F2 D T N F		三相 3–phase	380	50	0.06	——
				60	0.055	——
			220	50	0.1	——
				60	0.1	——
F R K ZG L – ΦL – i–S25 B F2 D T N F	25	单相 1–phase	220	50	0.22	1.5/450
				60	0.26	2/450
			110	50	0.48	6/250
				60	0.56	8/250
F R K ZG L – ΦL – i–T25 B F2 D T N F		三相 3–phase	380	50	0.14	——
				60	0.12	——
			220	50	0.24	——
				60	0.22	——

- 电机额定转速、额定电流允许在±5%范围内变动。
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

减速电机允许负载
Allowable load for the gear motor

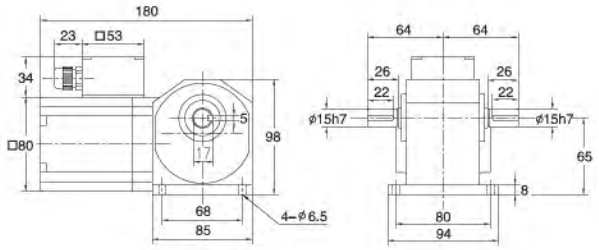
减速参数 Geared–down parameter	同步转速r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比i ratio		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	15W	N.m	0.64	0.95	1.27	1.59	1.91	2.54	3.17	3.81	4.8	6	7.2	9	12	15
		Kgf.m	0.06	0.09	0.13	0.16	0.19	0.25	0.32	0.38	0.48	0.6	0.7	0.9	1.2	1.5
	25W	N.m	1.07	1.58	2.12	2.65	3.18	4.23	5.28	6.35	8	10	12	15	20	25
		Kgf.m	0.11	0.16	0.21	0.27	0.32	0.42	0.53	0.63	0.8	1	1.17	1.5	2	2.5

- 转速是以电动机的同步转速为基准除以减速比而算出的数值。实际转速将随负载大小变化而比所示数值减少2~20%左右。
- 当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2 ~ 20%.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

尺寸图 Dimensions

底脚安装/实心轴带接线盒 Undersurface/ Solid + terminal

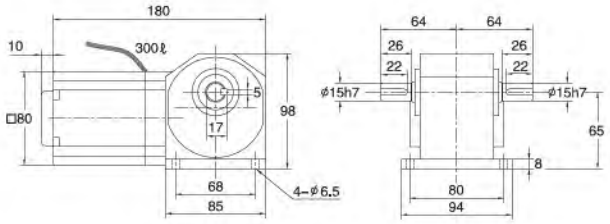
ZGL-15D-□-$^{T}_{S}$15(25)K



重量：3 kg
减速比：3-250

底脚安装/实心轴带调速 Undersurface/ Solid+ speed regulation

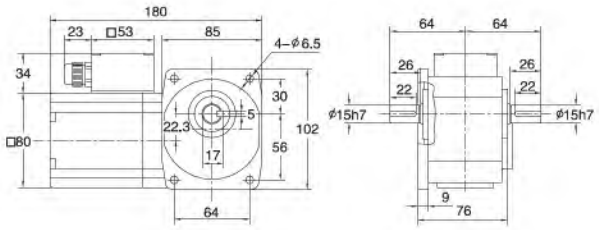
ZGL-15D-□-$^{T}_{S}$15(25)T



重量：3 kg
减速比：3-250

法兰安装/实心轴带接线盒 Flange/ Solid + terminal

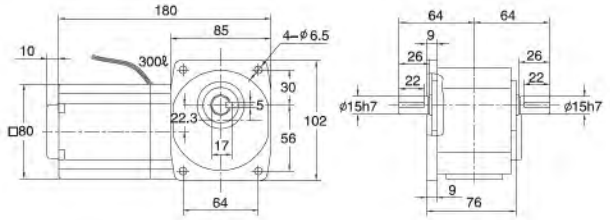
ZGF-15D-□-$^{T}_{S}$15(25)K



重量：3 kg
减速比：3-250

法兰安装/实心轴带调速 Flange/ Solid+ speed regulation

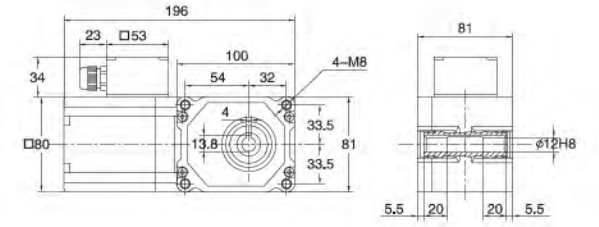
ZGF-15D-□-$^{T}_{S}$15(25)T



重量：3 kg
减速比：3-250

双法兰安装/空心轴带接线盒 dou-Flange/ Hollow + terminal

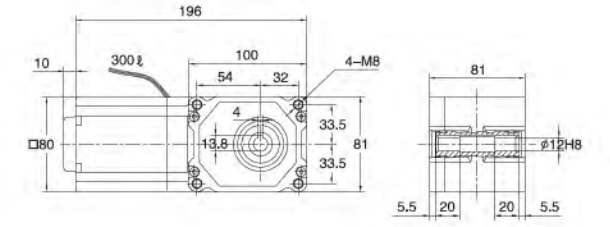
ZGF2-12N-□-$^{T}_{S}$15(25)K



重量：3 kg
减速比：3-250

双法兰安装/空心轴带调速 dou-Flange/ Hollow+ speed regulation

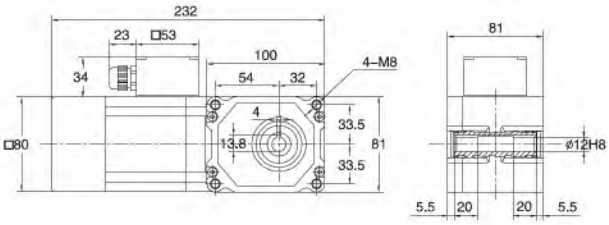
ZGF2-12N-□-$^{T}_{S}$15(25)T



重量：3 kg
减速比：3-250

双法兰安装/空心轴带接线盒/刹车 dou-Flange/ Hollow + terminal/brake

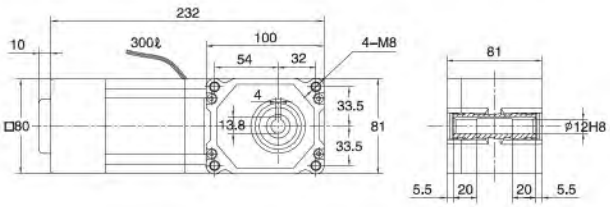
ZGF2-12N-□-$^{T}_{S}$15(25)KB



重量：3.5 kg
减速比：3-250

双法兰安装/空心轴带调速/刹车 dou- Flange/ Hollow+speed regulation /brake

ZGF2-12N-□-$^{T}_{S}$15(25)TB



重量：3.5 kg
减速比：3-250

40W

电机特性
List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 Phase	电源电压 Voltage V	频率 Frequency Hz	电流 Current A	电容容量/耐压 Capacity/Ve μF/VAC
F R K ZG L – ΦL – □–S40 B F2 D T N F	40	单相 1–phase	220	50	0.35	2.5/450
				60	0.4	3/450
			110	50	0.70	10/250
				60	0.80	12/250
F R K ZG L – ΦL – □–T40 B F2 D T N F	40	三相 3–phase	380	50	0.24	——
				60	0.22	——
			220	50	0.42	——
				60	0.38	——

- 电机额定转速、额定电流允许在±5%范围内变动。
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

减速电机允许负载
Allowable load for the gear motor

减速参数 Geared–down parameter	同步转速r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比i ratio		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	40W	N.m Kgf.m	1.78 0.18	2.64 0.26	3.53 0.35	4.42 0.44	5.31 0.53	7.06 0.71	8.81 0.88	10.6 1.06	13.3 1.33	16.7 1.67	19.4 1.94	25 2.5	33.3 3.33	41.7 4.17

- 转速是以电动机的同步转速为基准除以减速比而算出的数值。实际转速将随负载大小变化而比所示数值减少2~20%左右。
- 当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
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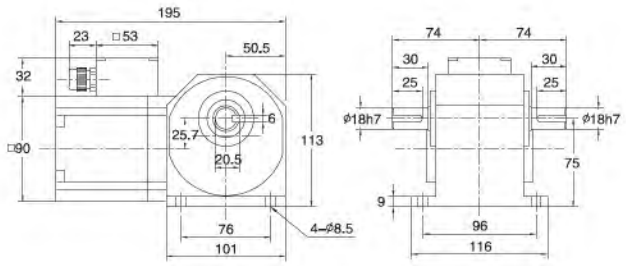
尺寸图 Dimensions

底脚安装/实心轴带接线盒 Undersurface/ Solid + terminal

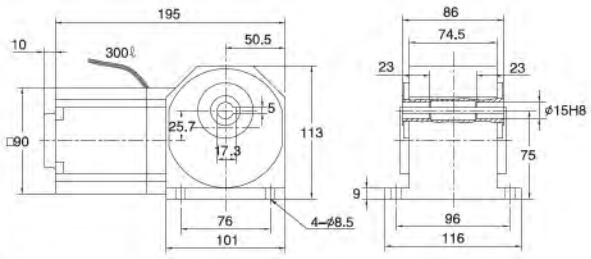
ZGL-18D-□-$^{T}_{S}$40K



重量：4 kg
减速比：3-250

底脚安装/空心轴带调速 Undersurface/Hollow + speed regulation

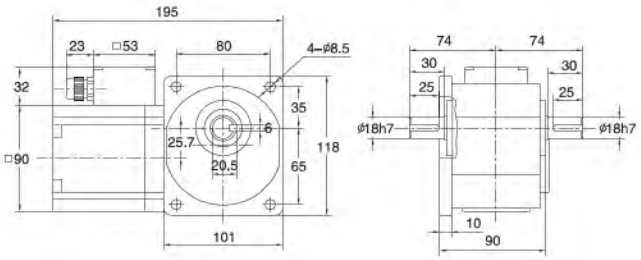
ZGL-15N-□-$^{T}_{S}$40T



重量：4 kg
减速比：3-250

法兰安装/实心轴带接线盒 Flange/ Solid + terminal

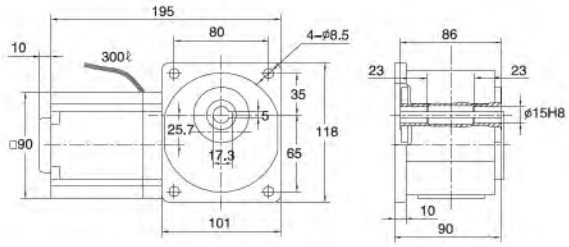
ZGF-18D-□-$^{T}_{S}$40K



重量：4 kg
减速比：3-250

法兰安装/空心轴带调速 Flange/Hollow + speed regulation

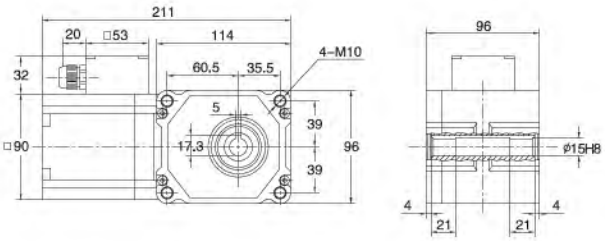
ZGF-15N-□-$^{T}_{S}$40T



重量：4 kg
减速比：3-250

双法兰安装/空心轴带接线盒 dou-Flange/ Hollow + terminal

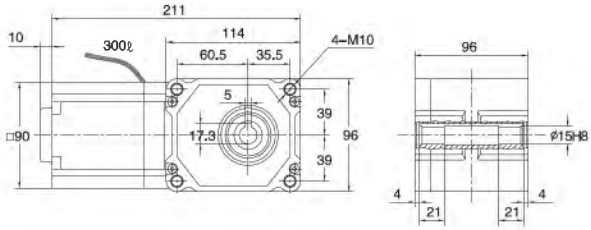
ZGF2-15N-□-$^{T}_{S}$40K



重量：4 kg
减速比：3-250

双法兰安装/空心轴带调速 dou-Flange/ Hollow+ speed regulation

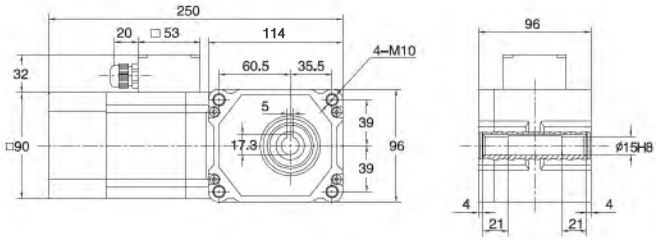
ZGF2-15N-□-$^{T}_{S}$40T



重量：4 kg
减速比：3-250

双法兰安装/空心轴带接线盒/刹车 dou-Flange/ Hollow + terminal/brake

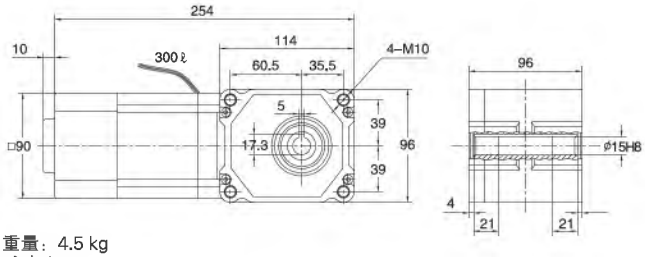
ZGF2-15N-□-$^{T}_{S}$40KB



重量：4.5 kg
减速比：3-250

双法兰安装/空心轴带调速/刹车 dou- Flange/ Hollow+speed regulation /brake

ZGF2-15N-□-$^{T}_{S}$40TB



重量：4.5 kg
减速比：3-250

60/90/120W

电机特性
List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 Phase	电源电压 Voltage V	频率 Frequency Hz	电流 Current A	电容容量/耐压 Capacity/Ve μF/VAC
ZG L – ⊕L – ⊡–S60 F/R/K, F2/D/B, N/T/F	60	单相 1–phase	220	50	0.45	3.5/450
				60	0.52	4/450
			110	50	0.90	14/250
				60	1.2	16/250
ZG L – ⊕L – ⊡–T60 F/R/K, F2/D/B, N/T/F		三相 3–phase	380	50	0.3	——
				60	0.28	——
			220	50	0.52	——
				60	0.48	——
ZG L – ⊕L – ⊡–S90 F/R/K, F2/D/B, N/T/F	90	单相 1–phase	220	50	0.62	5/450
				60	0.72	6/450
			110	50	1.25	20/250
				60	1.5	24/250
ZG L – ⊕L – ⊡–T90 F/R/K, F2/D/B, N/T/F		三相 3–phase	380	50	0.32	——
				60	0.3	——
			220	50	0.55	——
				60	0.48	——
ZG L – ⊕L – ⊡–S120 F/R/K, F2/D/B, N/T/F	120	单相 1–phase	220	50	0.85	6/450
				60	1.0	8/450
			110	50	1.7	24/250
				60	2.1	30/250
ZG L – ⊕L – ⊡–T120 F/R/K, F2/D/B, N/T/F		三相 3–phase	380	50	0.34	——
				60	0.31	——
			220	50	0.59	——
				60	0.54	——

- 电机额定转速、额定电流允许在±5%范围内变动。
- Permissible change in rated speed and rated current of the motor is within the range of ±5%.

减速电机允许负载
Allowable load for the gear motor

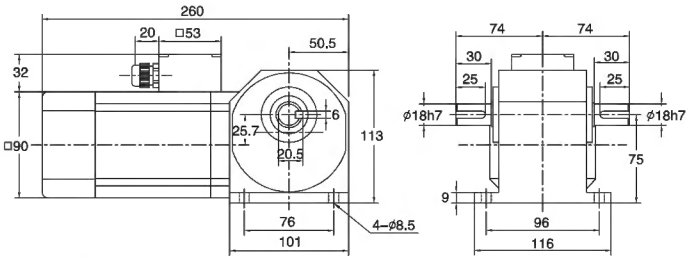
减速参数 Geared–down parameter	同步转速r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比i ratio		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	60W	N.m	2.8	4.2	5.6	7	8.5	11	14	17	21	27	32	42	55	
		Kgf.m	0.28	0.42	0.56	0.7	0.85	1.1	1.4	1.7	2.1	2.7	3.2	4.2	5.5	
	90W	N.m	4.2	6.3	8.5	11.0	13	17	21	24.5	31.4	39.2	47	55		
		Kgf.m	0.42	0.63	0.85	1.1	1.3	1.7	2.1	2.45	3.14	3.92	4.7	5.5		
	120W	N.m	5.4	8.3	11	14.1	16.4	21.2	26.8	32.6	39.7	52.8	55			
		Kgf.m	0.54	0.83	1.1	1.41	1.64	2.12	2.68	3.26	3.97	5.28	5.5			

- 转速是以电动机的同步转速为基准除以减速比而算出的数值。实际转速将随负载大小变化而比所示数值减少2~20%左右。
- 当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
- The speed is based on the synchronous motor speed reduction ratio as a benchmark calculated by dividing the value of. Actual speed will vary the size of the load changes in less than the values shown in 2 ~ 20%.
- When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation gearbox.

尺寸图 Dimensions

底脚安装/实心轴带接线盒 Undersurface/ Solid + terminal

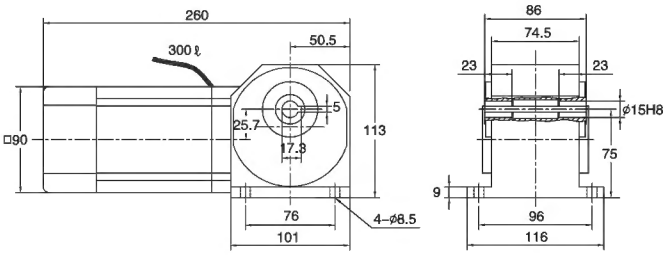
ZGL-18D-□-$\frac{T}{S}$60(90/120)KF



重量：5 kg
减速比：3-250

底脚安装/空心轴带调速 Undersurface/Hollow + speed regulation

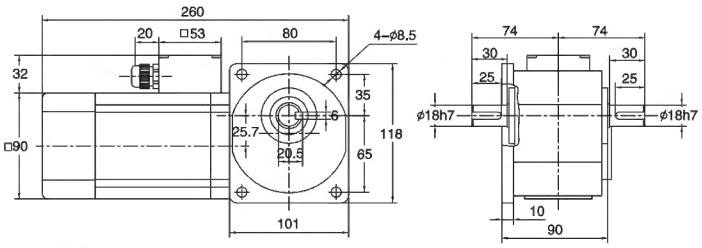
ZGL-15N-□-$\frac{T}{S}$60(90/120)TF



重量：5 kg
减速比：3-250

法兰安装/实心轴带接线盒 Flange/ Solid + terminal

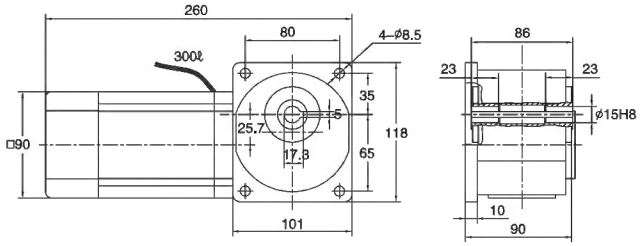
ZGF-18D-□-$\frac{T}{S}$60(90/120)KF



重量：5 kg
减速比：3-250

法兰安装/空心轴带调速 Flange/ Hollow + speed regulation

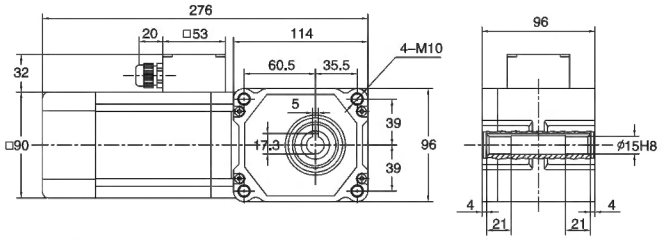
ZGF-15N-□-$\frac{T}{S}$60(90/120)TF



重量：5 kg
减速比：3-250

双法兰安装/空心轴带接线盒 dou-Flange/ Hollow + terminal

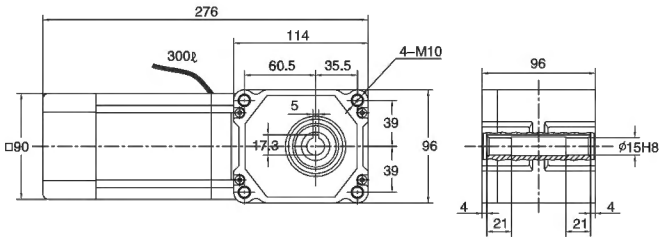
ZGF2-15N-□-$\frac{T}{S}$60(90/120)KF



重量：5 kg
减速比：3-250

双法兰安装/空心轴带调速 dou-Flange/ Hollow+ speed regulation

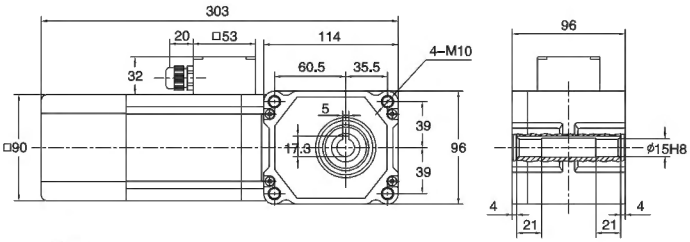
ZGF2-15N-□-$\frac{T}{S}$60(90/120)TF



重量：5 kg
减速比：3-250

双法兰安装/空心轴带接线盒/刹车 dou-Flange/ Hollow + terminal/brake

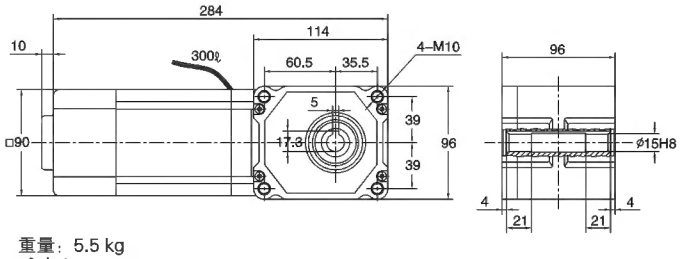
ZGF2-15N-□-$\frac{T}{S}$60(90/120)KBF



重量：5.5 kg
减速比：3-250

双法兰安装/空心轴带调速/刹车 dou- Flange/ Hollow+speed regulation /brake

ZGF2-15N-□-$\frac{T}{S}$60(90/120)TB



重量：5.5 kg
减速比：3-250

200W (400W)

标准型 standard　　缩框型 mini

电机特性
List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 phase	电源电压 Voltage V/AC	频率 Frequency Hz	电流 Current A	电容 Capacity μF	转速 Speed r/min
ZGF2 – ⊡N – ⊡–S200	200	单相 1–phase	220	50/60	1.5/1.4	12/10	1380/1650
			110	50/60	3.0/2.8	40/35	1380/1650
ZGF2 – ⊡N – ⊡–T200		三相 3–phase	220	50/60	0.92/0.85	––	1380/1650
			380	50/60	0.5/0.56	––	1380/1650
ZGF2 – ⊡N – ⊡–S400–M	400	单相 1–phase	220	50/60	3.2/2.7	20/18	1380/1650
			110	50/60	6.5/6.2	80/75	1380/1650
ZGF2 – ⊡N – ⊡–T400–M		三相 3–phase	220	50/60	2/1.85	––	1380/1650
			380	50/60	1.2/1.1	––	1380/1650

电机额定转速、额定电流允许在±5%范围内变动。
Permissible change in rated speed and rated current of the motor is within the range of ±5%.

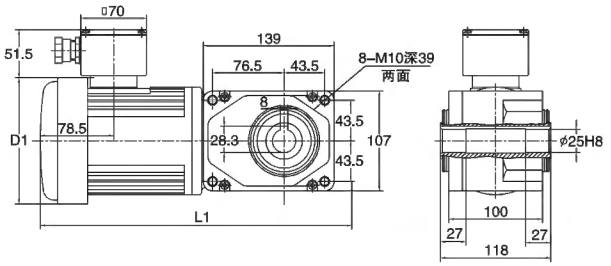
减速电机允许负载 Allowable load for the gear motor

减速参数 Geared–down parameter	同步转速 r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比 i Geared–down ration		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	200W	N.m	11	17	23	28	34	45	56	68	86	107	129	163	188	
			1.1	1.7	2.3	2.8	3.4	4.5	5.6	6.8	8.6	10.7	12.9	16.3	18.8	
	400W	Kgf. m	23	34	45	56	68	88	113	136	172	188				
			2.3	3.4	4.5	5.6	6.8	8.8	11.3	13.6	17.2	18.8				

当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation Gearbox.

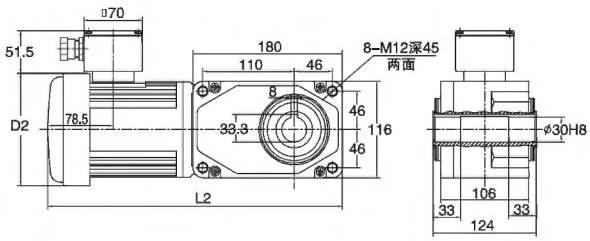
尺寸图 Dimensions

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
200W标准型：ZGF2–25N–⊡–T200KF（速比i=10～60）
400W缩框型：ZGF2–25N–⊡–T400KF–M（速比i=7～40）



规格 \ 数值	D1	L1	重量Weight(kg)
200W 标准型standard	ø130	334	8.5
400W 缩框型 mini	ø130	345	11

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
200W标准型：ZGF2–30N–⊡–T200KF（速比i=80～250）
400W缩框型：ZGF2–30N–⊡–T400KF–M（速比i=50～150）



规格 \ 数值	D2	L2	重量Weight(kg)
200W 标准型standard	ø130	375	10
400W 缩框型 mini	ø130	385	12.5

400W (750W)

标准型 standard　　缩框型 mini

电机特性
List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 phase	电源电压 Voltage V/AC	频率 Frequency Hz	电流 Current A	电容 Capacity μF	转速 Speed r/min
ZGF2 – Φ N – □–S400	400	单相 1–phase	220	50/60	3.2/2.7	20/18	1380/1650
			110	50/60	6.5/6.2	80/75	1380/1650
ZGF2 – Φ N – □–T400		三相 3–phase	220	50/60	2/1.85	––	1380/1650
			380	50/60	1.2/1.1	––	1380/1650
ZGF2 – Φ N – □–S750–M	750	单相 1–phase	220	50/60	5.8/5.3	40/35	1380/1650
			110	50/60	11.5/10.5	120/110	1380/1650
ZGF2 – Φ N – □–T750–M		三相 3–phase	220	50/60	3.5/3.4	––	1380/1650
			380	50/60	2.0/1.95	––	1380/1650

电机额定转速、额定电流允许在±5%范围内变动。
Permissible change in rated speed and rated current of the motor is within the range of ±5%.

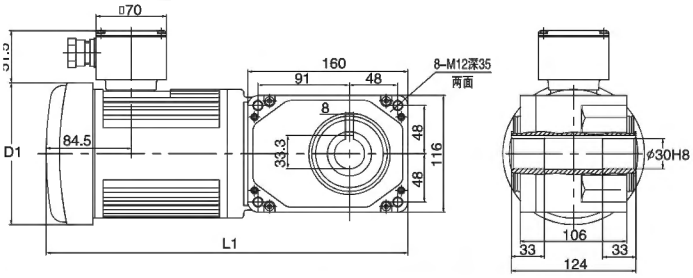
减速电机允许负载 Allowable load for the gear motor

减速参数 Geared–down parameter	同步转速 r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比 i Geared–down ration		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	400W	N.m	23 2.3	33 3.3	44 4.4	55 5.5	67 6.7	88 8.8	111 11.1	133 13.3	169 16.9	211 21.1	253 25.3	270 27.0		
	750W	Kgf. m	41 4.1	63 6.3	83 8.3	104 10.4	124 12.4	166 16.6	208 20.8	249 24.9	270 27.0	270 27.0				

当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation Gearbox.

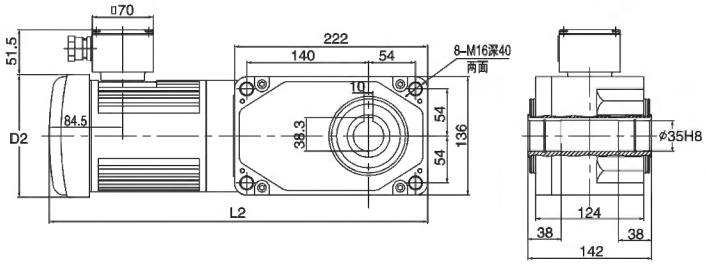
尺寸图 Dimensions

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
400W标准型: ZGF2–30N–□–T400KF（速比i=10～60）
750W缩框型: ZGF2–30N–□–T750KF–M（速比i=7～40）



规格 \ 数值	D1	L1	重量Weight(kg)
400W 标准型standard	ø130	372	11.5
750W 缩框型 mini	ø162	410	15

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
400W标准型: ZGF2–35N–□–T400KF（速比i=80～250）
750W缩框型: ZGF2–35N–□–T750KF–M（速比i=50～150）



规格 \ 数值	D2	L2	重量Weight(kg)
400W 标准型standard	ø130	430	15
750W 缩框型 mini	ø162	470	18.5

750W

标准型 standard

● 电机特性 List of motor characteristics

减速机型号 Model	输出功率 Output Power W	电源相数 phase	电源电压 Voltage V/AC	频率 Frequency Hz	电流 Current A	电容 Capacity μF	转速 Speed r/min
ZGF2 – Φ N – □–S750	750	单相 1–phase	220	50/60	5.8/5.3	40/35	1380/1650
			110	50/60	11.5/10.5	120/110	1380/1650
ZGF2 – Φ N – □–T750		三相 3–phase	220	50/60	3.5/3.4	--	1380/1650
			380	50/60	2.0/1.95	--	1380/1650

电机额定转速、额定电流允许在±5%范围内变动。
Permissible change in rated speed and rated current of the motor is within the range of ±5%.

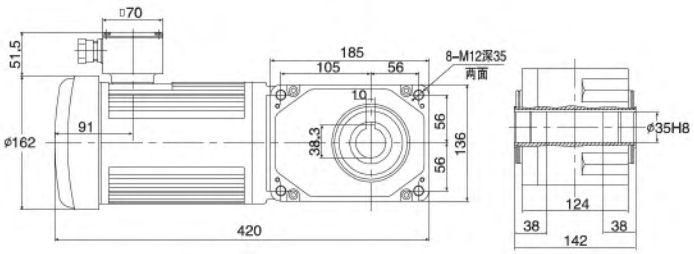
● 减速电机允许负载 Allowable load for the gear motor

减速参数 Geared–down parameter	同步转速r/min Synchronous speed		150	100	75	60	50	37.5	30	25	18.8	15	12.5	10	7.5	6
	减速比i Geared–down ratio		10	15	20	25	30	40	50	60	80	100	120	150	200	250
最大允许负载 Max allowable load	750W	N.m	41	63	83	104	124	166	208	249	316	395	473	554		
		Kgf. m	4.1	6.3	8.3	10.4	12.4	16.6	20.8	24.9	31.6	39.5	47.3	55.4		

当负载扭矩超过减速电机最大允许负载扭矩，并有堵转情况存在时，请在减速箱输出轴和负载连接处加装扭矩限制装置，确保齿轮减速箱正常运行。
When the load torque exceeds the maximum allowable load torque gear motor, and a locked rotor situation exists, please slow down box at the junction of the output shaft and load torque limit device installed to ensure the normal operation Gearbox.

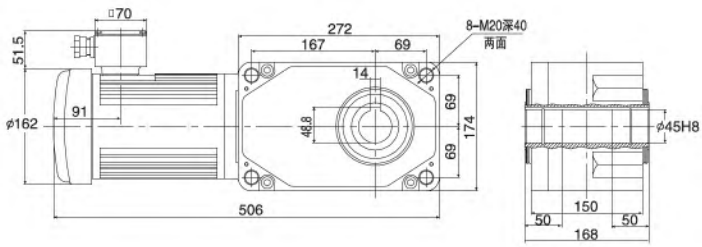
● 尺寸图 Dimensions

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
750W标准型: ZGF2–35N–□–T750KF（速比i=10～60）



重量Wight：17.5kg

双法兰安装/空心轴带接线盒dou–Flange/Hollow + terminal
750W标准型: ZGF2–45N–□–T750KF（速比i=80～250）



重量Wight：25kg

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