

Innovative Design
Create The Future

高精密行星减速机 High Precision Planetary Gearbox

ULU - Gearbox

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About ULU

Shanghai ULU Precision Gearing Transmission Co., Ltd.



上海ULU公司专注研发高精密齿轮传动装置，十五年来，ULU公司以其先进技术和独特的产品系列、资深的行业经验以及广泛的服务网络成为了行业先锋。今天，全球数以万计的机械专业设计者在使用EREFACT公司的产品，极大地提高了各类工业设备和传动控制系统的生产、设计效率。

世界范围内，包括西门子SIEMENS电机、ABB电机、YASKAWA电机、MITSUBISHI电机、Panasonic电机、蓬巴迪、宝钢、HIMA、拜耳、巴斯夫、吉特迈、菲利普莫里斯、英美烟草、虹霓等诸多著名的跨国公司的都广泛选用了ULU公司的产品，从而保证了机械设备的高稳定性和使用寿命。在中国，ULU公司的产品已被多家大型企业如宝钢、攀钢、BYD、BOE、丰田汽车、上汽集团、中烟集团、中集集团、许继集团、三一重工、天正、北车集团、南方电网、中国印钞造币总公司等广泛采用。在多项重大工程项目中也得到应用，如上海磁悬浮列车、深圳地铁、上海地铁、京沪高速列车、贵广直流输电工程、上海世博会和北京奔驰汽车厂等等。

ULU公司的KAB、KTS、KVB等系列产品，以其一如继往的强大功能和庞大的用户基础成为全球精密传动领域的标准。ULU创新的集成式智能化传动解决方案，实现了一系列强大而新颖的传动设计智能化功能，开创了智能制造设计的新纪元。

ULU, Shanghai company which specializes in the development of high precision gearing transmission. Over the past 15 years, ULU has become an industry pioneer with its advanced technology and unique product series, experienced industry experience and extensive service network. Today, tens of thousands of mechanical professional designers around the world are using ULU products, which greatly improves the production and design efficiency of all kinds of industrial equipment and transmission control systems.

In worldwide, including SIEMENS motor, ABB motor, YASKAWA motor, MITSUBISHI motor, PANASONIC motor, BOMBARDIER, BAOSTEEL, HIMA, BAYER, BASF, GILDEMEISTER, PHILIP MORRIS, BTI, HAUNI and many other well-known multinational companies have extensive chose the products of the ULU company, so as to ensure the high stability of the mechanical equipment and service lifetime.

In China, the ULU products has been used by many large companies such as BAOSTEEL, PANGANG, BYD, BOE, TOYOTA, SAIC, China National Tobacco Corporation, CIMC, SANY HEAVY INDUSTRY, STATE GRID, TENGGEN, CNR, China Southern Power Grid, China Banknote Printing And Minting COPR. It has also been used in several major projects, such as Shanghai maglev train, Shenzhen metro, Shanghai subway, Beijing-Shanghai high-speed train, Guiguang dc power transmission project, Shanghai world expo and Beijing Benz automobile factory.

ULU company's KAB, KTS, KVB and other series products have become the standard of the global precision gearing transmission

应用行业范围

Application Industry

1 机床
Machine tools



2 印刷设备
Printing machines



3 包装机械
Packing machines



机械手
industrial robots



纺织机械
Textile machines



非标自动化
Non-standard automation



4 医疗设备
Medical equipment



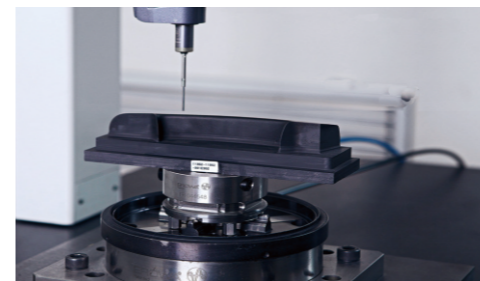
5 汽车制造
Automotive industry



6 金属加工
Metal processing



检测设备
Measuring equipment



卫星通讯
Satellite Communication



制药行业
Pharmaceutical industry



12

订货机型标示

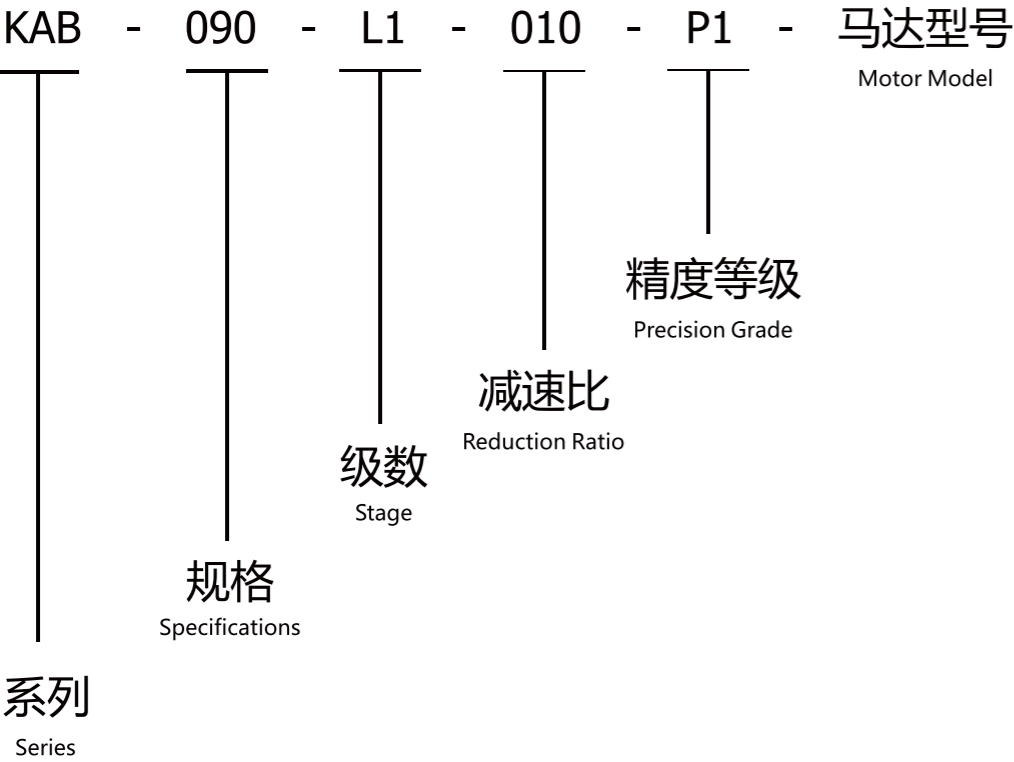
Ordering Machine Labeling

系列 Series	规格 Specifications	级数 Stage	减速比 Reduction Ratio	精度 Precision	备注 Note
KAB/KABR	060/090/115/140	单级=L1 Single Stage 双级=L2 Double Stage	3--100	P0≤1 弧分	电机型号或 者尺寸 Motor Model Or Size
KAE/KAER	060/090/120/155		3--100	P1≤3 弧分	
KVB/KVBR	060/090/115/140		3--100	P2≤5 弧分	
KTS/KTSR	060/090/120		3--100		
KTN/KTNR	060/090/120		3--100		
KSP/KSPR	060/075/100/140		3-100		
KTP/KTPR	064/090/110/140		4—100		

单级：L1（ 3—10 ），双级：L2（ 10-100 ）
Single Stage Double Stage

双级传动加速比为：3X4=12,3X5=15,3X7=21，3X10=30，4X5=20，4X7=28.....
Double-Stage Transmission Acceleration Ratio

具体表示如下：
The Specific Representation Is As Follows



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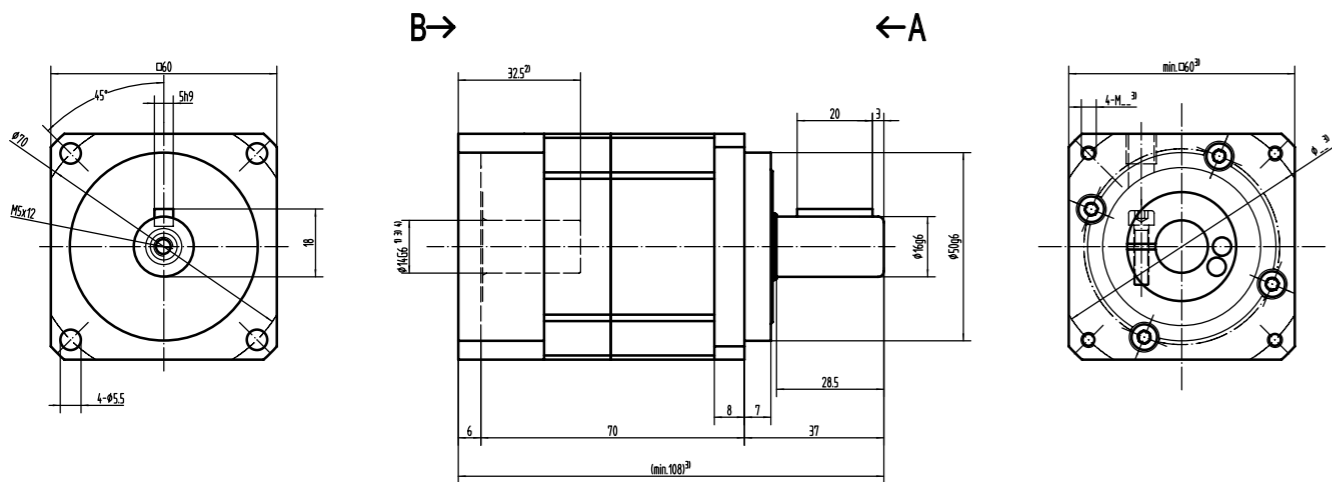
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P33-40	KTP	P77-80	KTPR
P41-48	KSP	P81-84	KSPR
P49-55	KTS	P85-88	KTSR
P56-62	KTN	P89-92	KTNR

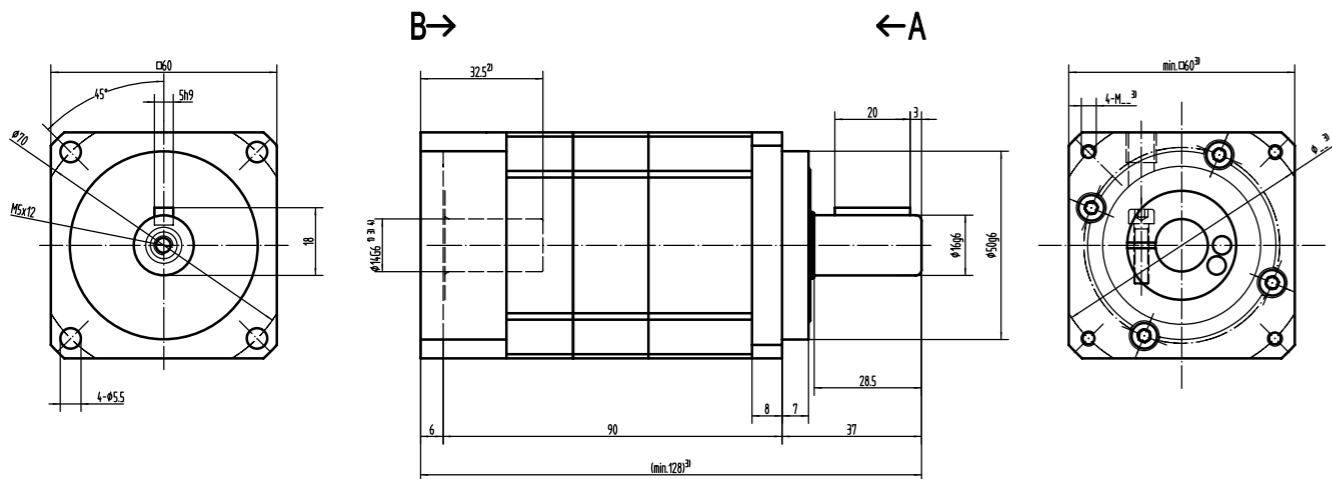


KAB系列(KAB Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KAB060	KAB090	KAB090B	KAB115	KAB115B	KAB142
额定输出扭矩(nominal output torque)T2N	Nm	L1	3	50	130	130	208	208	342
			4	50	140	140	290	290	542
			5	60	160	160	330	330	650
			7	50	140	140	300	300	550
			10	40	100	100	230	230	450
		L2	15	55	130	130	208	208	342
			20	50	140	140	290	290	542
			25	60	160	160	330	330	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	120	120	230	230	500
			50	60	160	160	330	330	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)n1N	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程高精密间隙P1 low backlash	arcmin	L1	3~10	≤3	≤3	≤3	≤3	≤3	≤3
回程标准间隙P2 standard backlash		L2	15~100	≤5	≤5	≤5	≤5	≤5	≤5
		L1	3~10	≤5	≤5	≤5	≤5	≤5	≤5
		L2	15~100	≤8	≤8	≤8	≤8	≤8	≤8
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	N	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	15~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	3~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤60	≤64	≤64	≤67	≤67	≤72
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.44	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.47	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KAB-060-L1



KAB-060-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

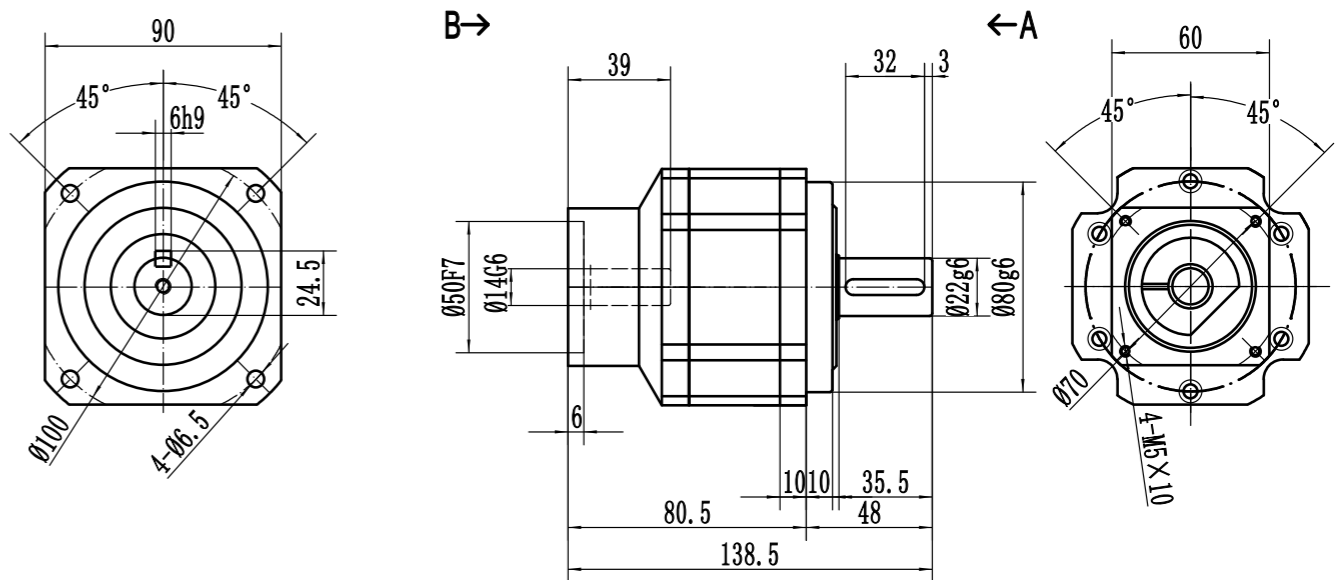
其他疑问请联系客服！

General tolerance is $\pm 1\text{mm}$

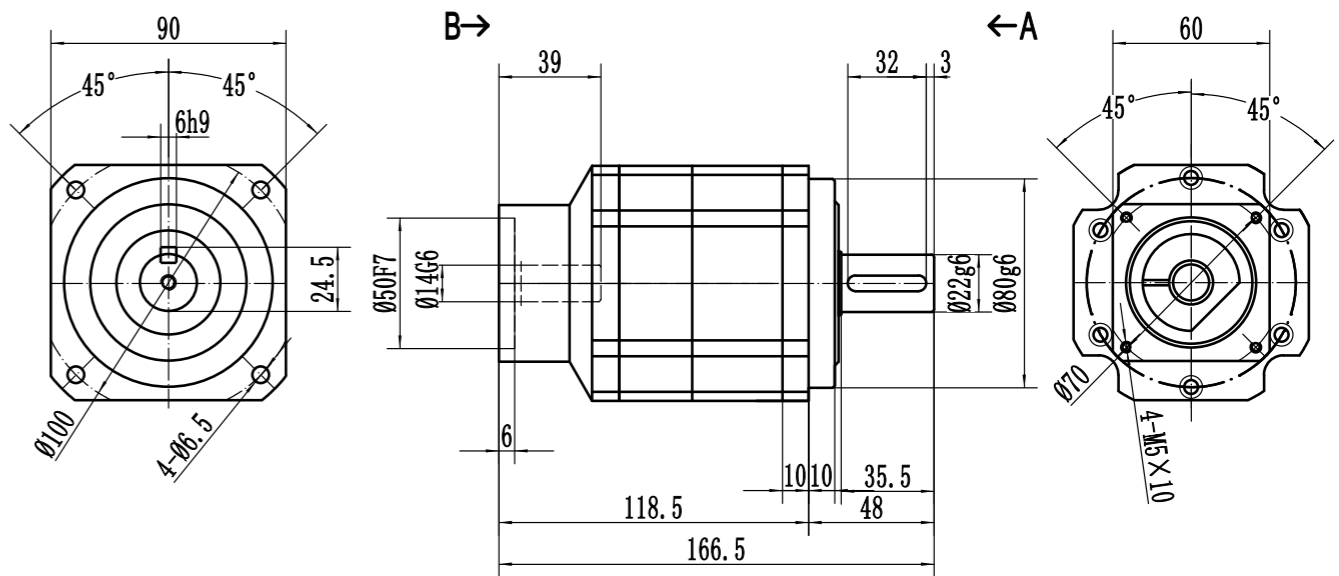
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KAB-090B-L1



KAB-090B-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

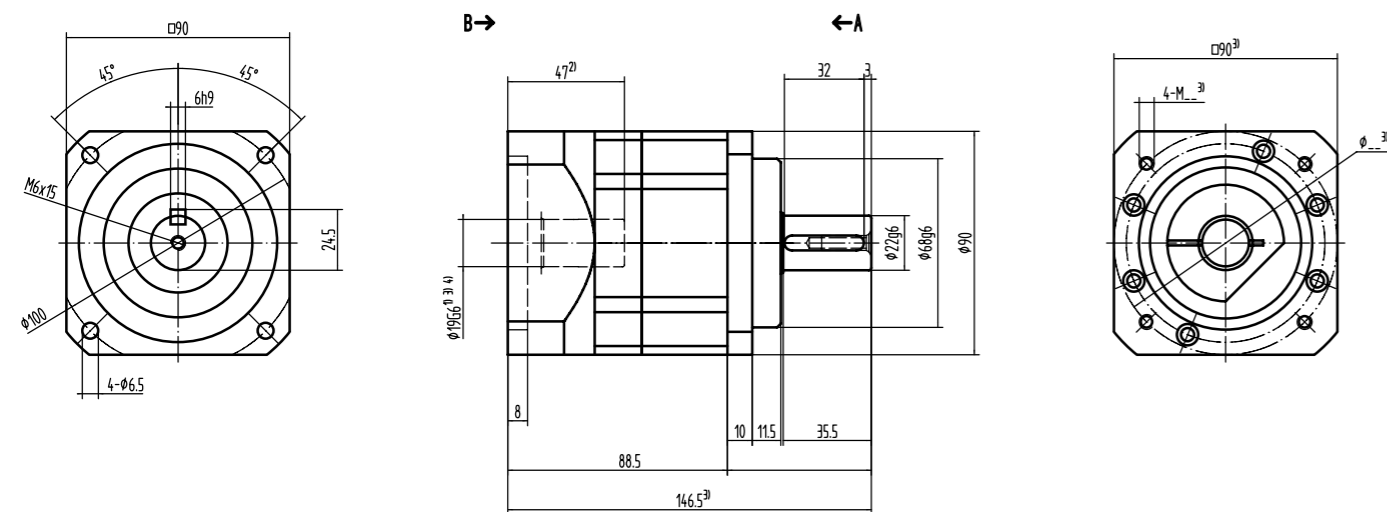
其他疑问请联系客服！

General tolerance is $\pm 1\text{mm}$

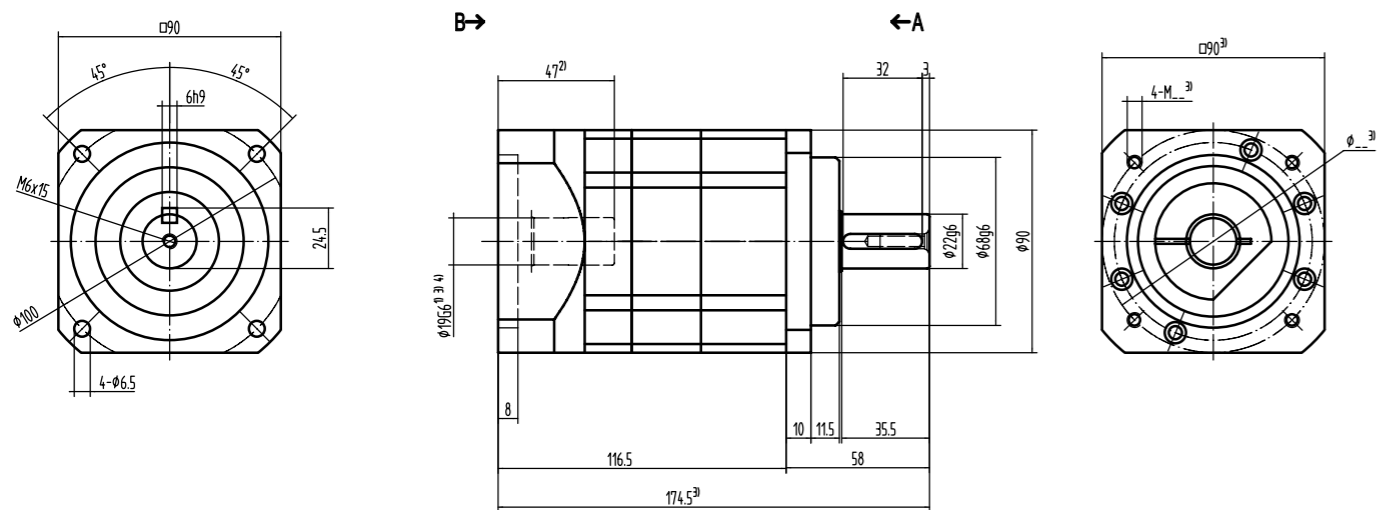
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KAB-090-L1



KAB-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

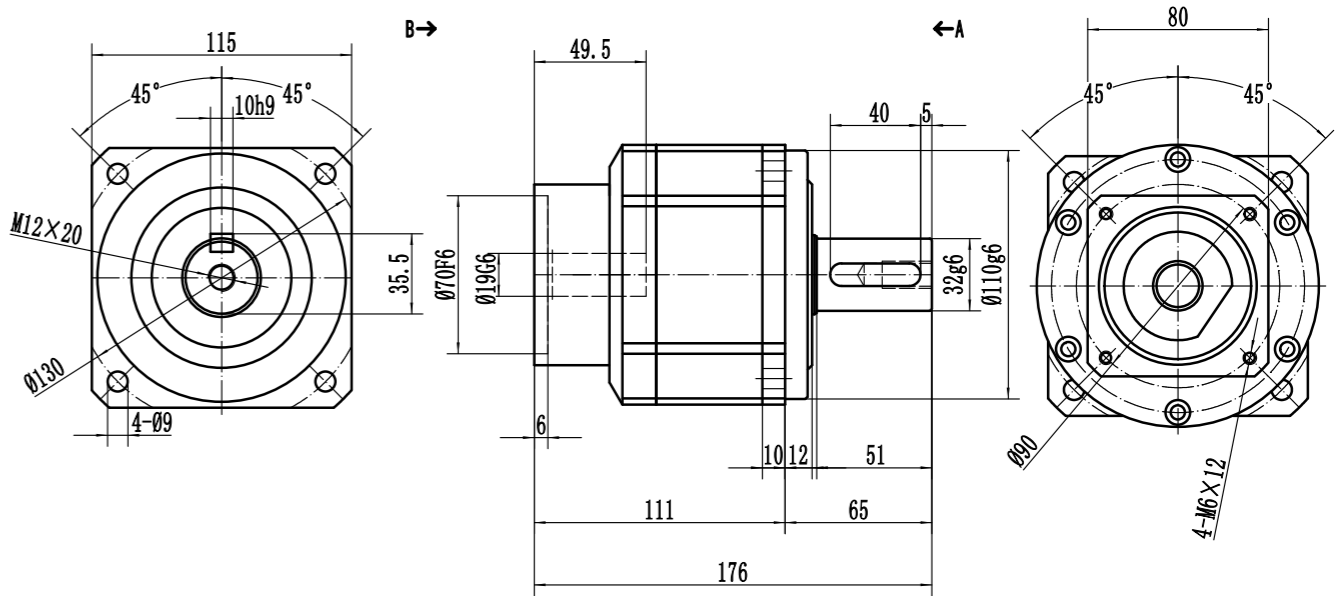
其他疑问请联系客服！

General tolerance is +/- 1mm

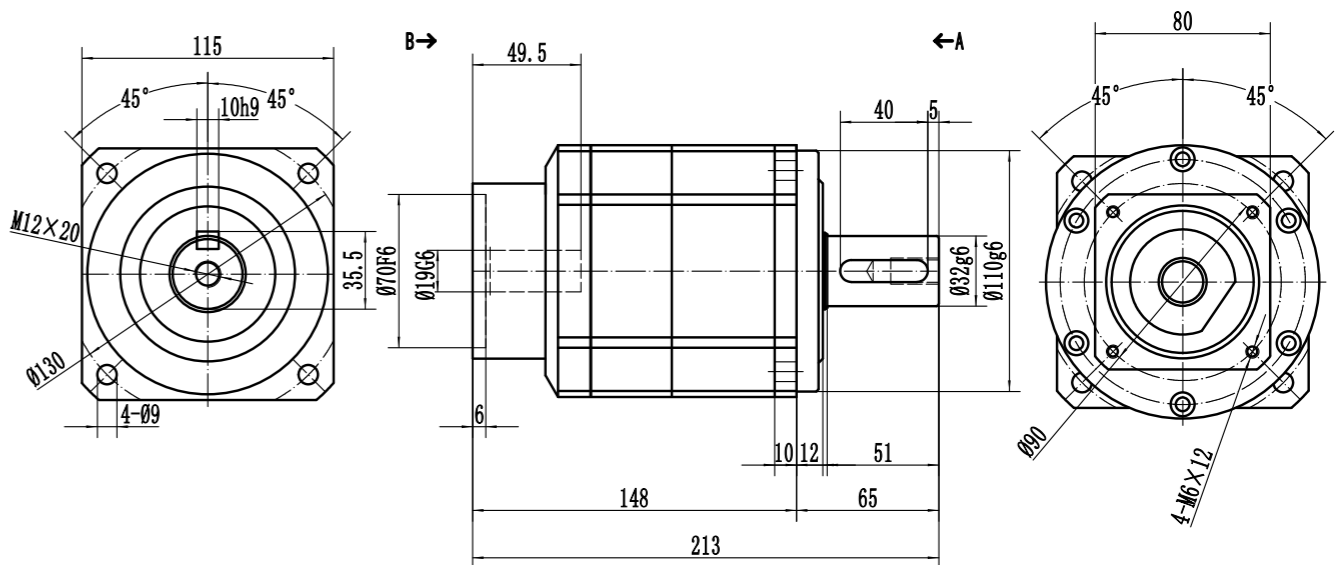
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KAB-115B-L1



KAB-115B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

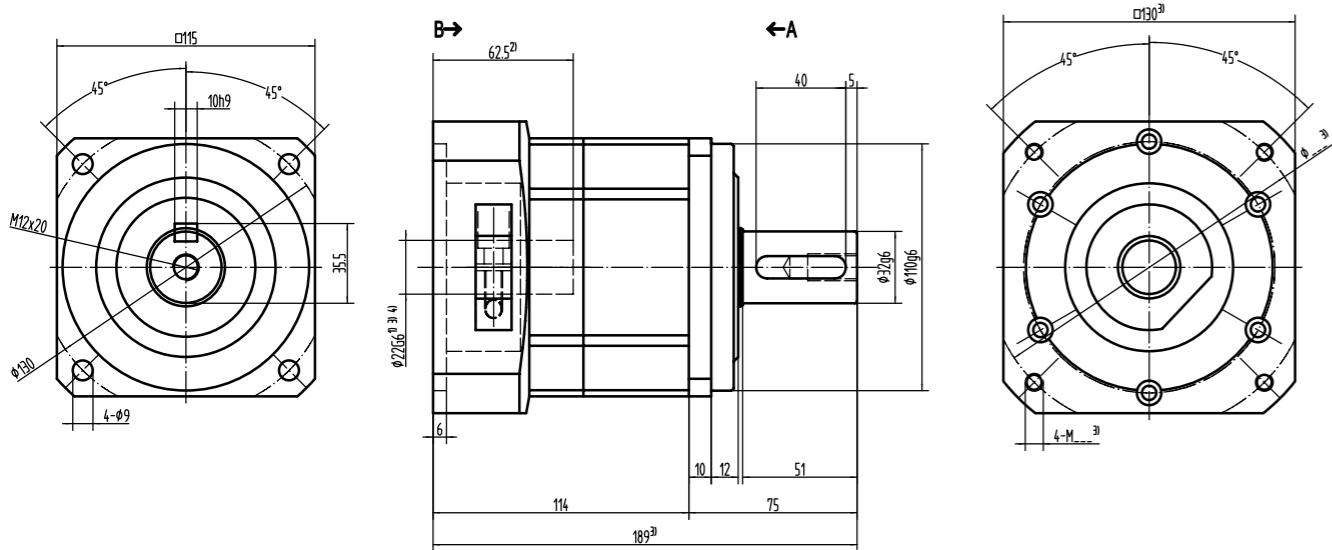
其他疑问请联系客服！

General tolerance is +/- 1mm

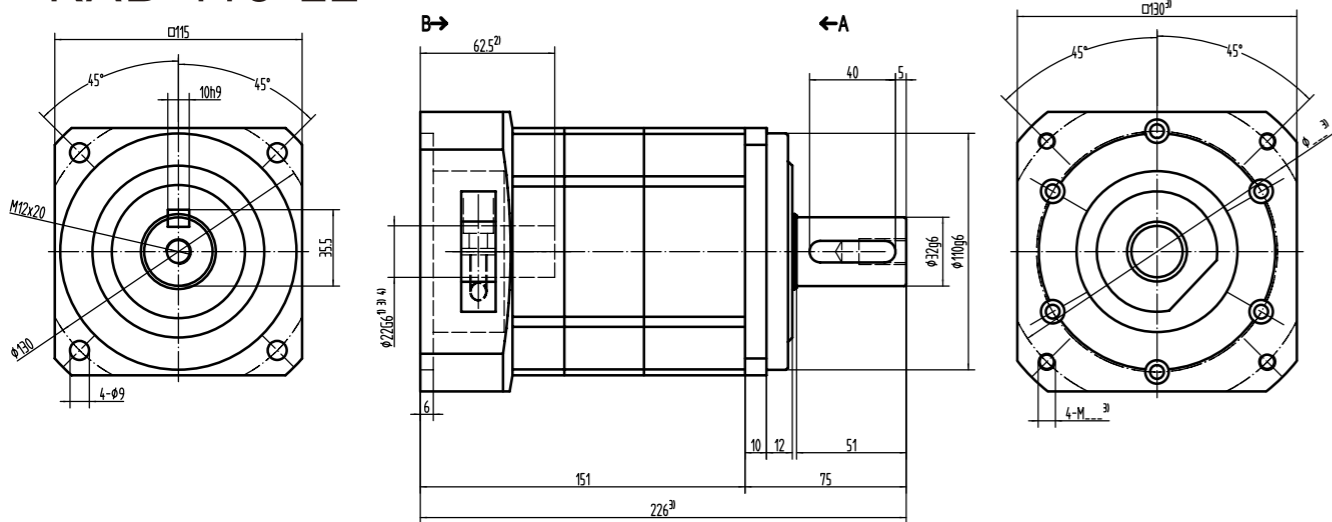
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KAB-115-L1



KAB-115-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

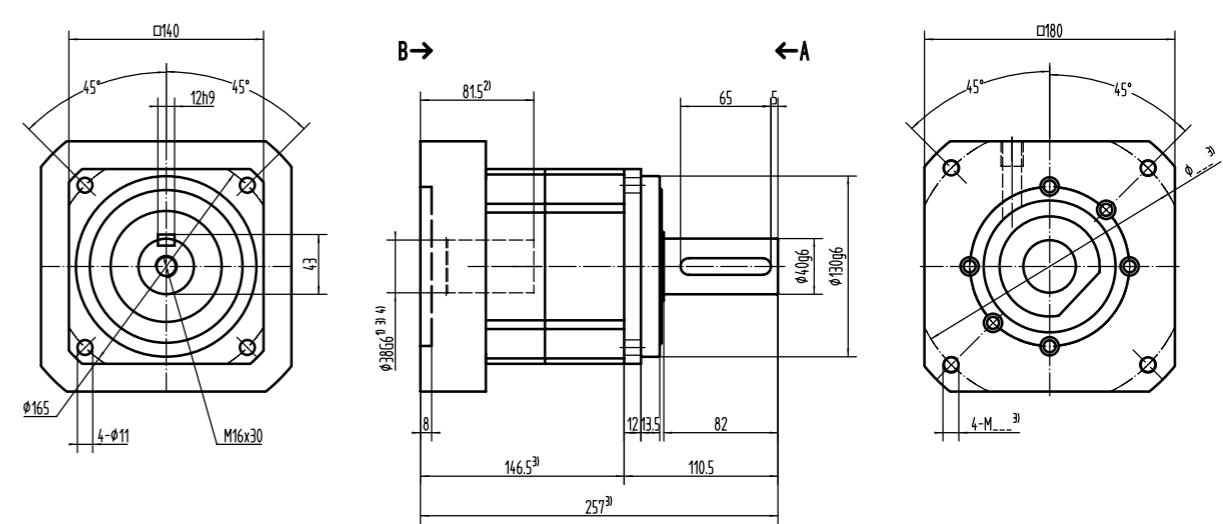
其他疑问请联系客服！

General tolerance is +/- 1mm

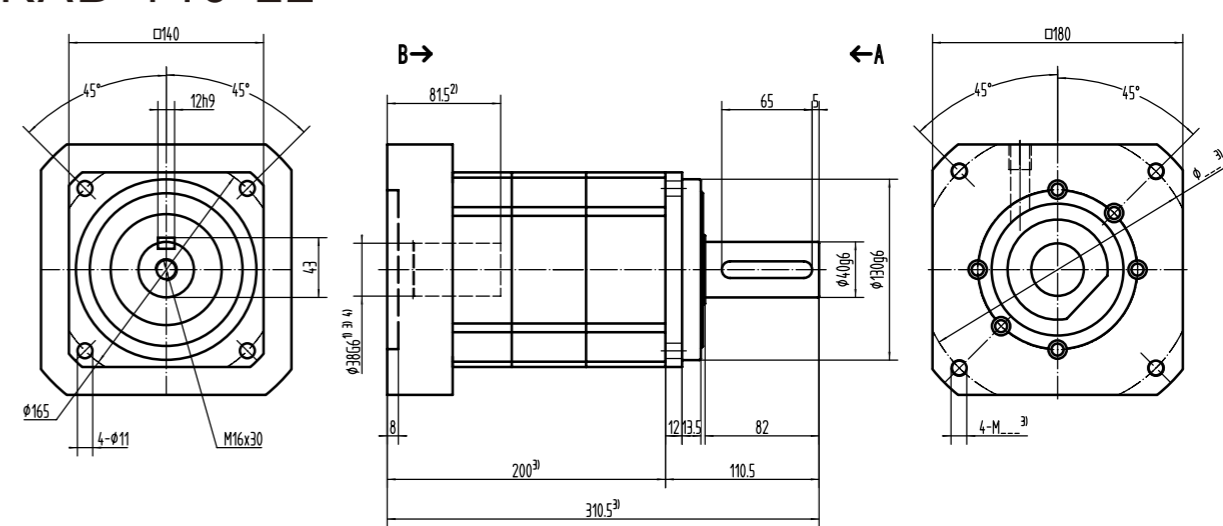
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KAB-140-L1



KAB-140-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

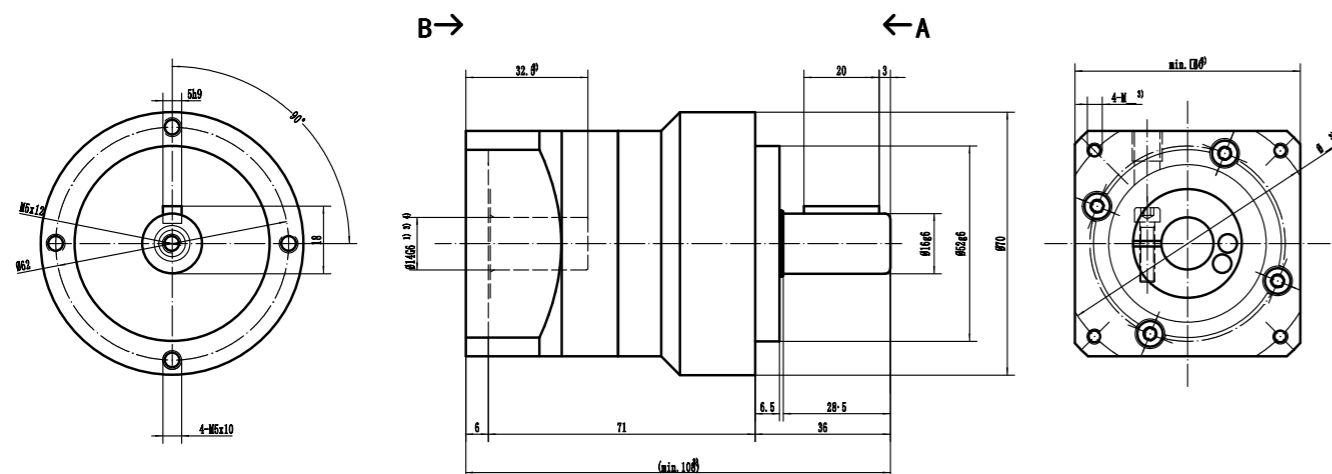
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

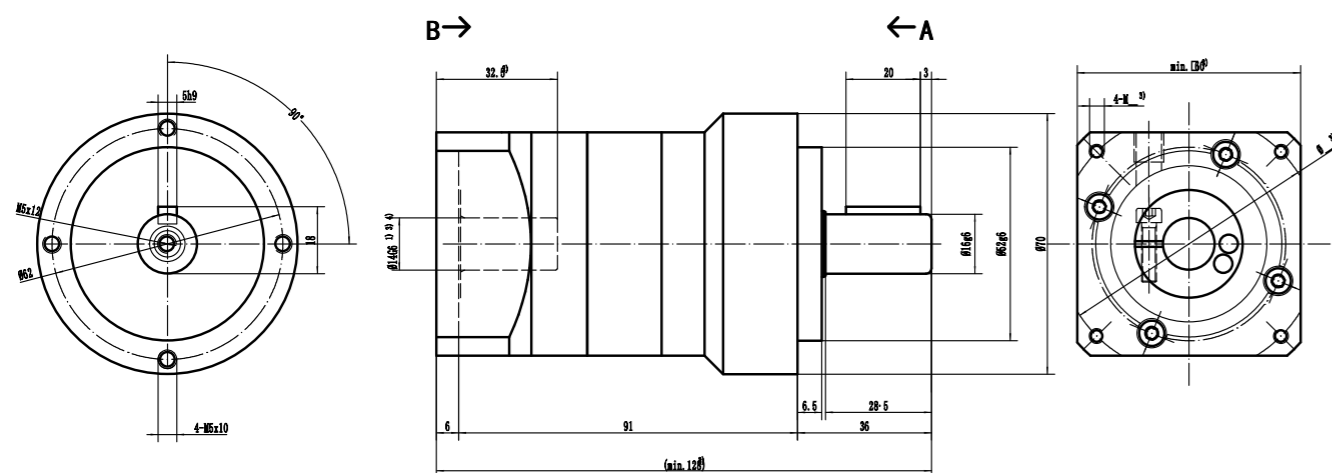


KAE系列(KAE Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KAE060	KAE090	KAE090B	KAE120	KAE120B	KAE150
额定输出扭矩(nominal output torque)T2N	Nm	L1	3	50	130	130	208	208	342
			4	50	140	140	290	290	542
			5	60	160	160	330	330	650
			7	50	140	140	300	300	550
		L2	10	40	100	100	230	230	450
			15	55	130	130	208	208	342
			20	50	140	140	290	290	542
			25	60	160	160	330	330	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	120	120	230	230	500
			50	60	160	160	330	330	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程高精密间隙P1 low backlash	arcmin	L1	3~10	≤3	≤3	≤3	≤3	≤3	≤3
		L2	15~100	≤5	≤5	≤5	≤5	≤5	≤5
回程标准间隙P2 standard backlash		L1	3~10	≤5	≤5	≤5	≤5	≤5	≤5
		L2	15~100	≤8	≤8	≤8	≤8	≤8	≤8
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	15~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	3~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤60	≤64	≤64	≤67	≤67	≤72
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KAE-060-L1



KAE-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

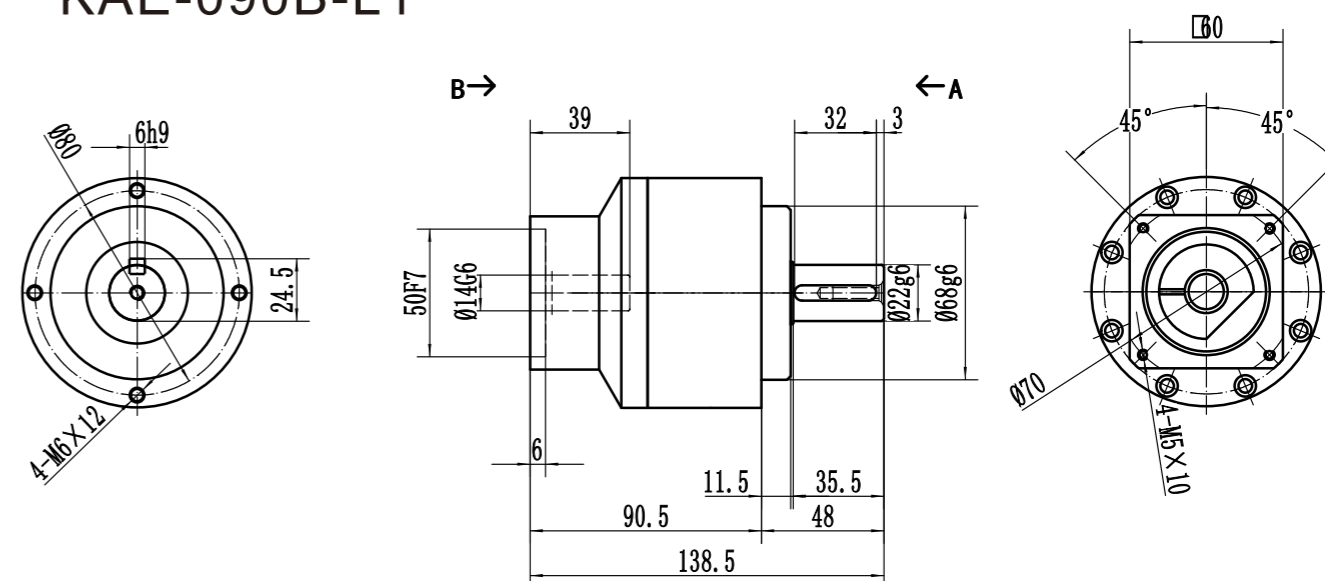
其他疑问请联系客服！

General tolerance is +/- 1mm

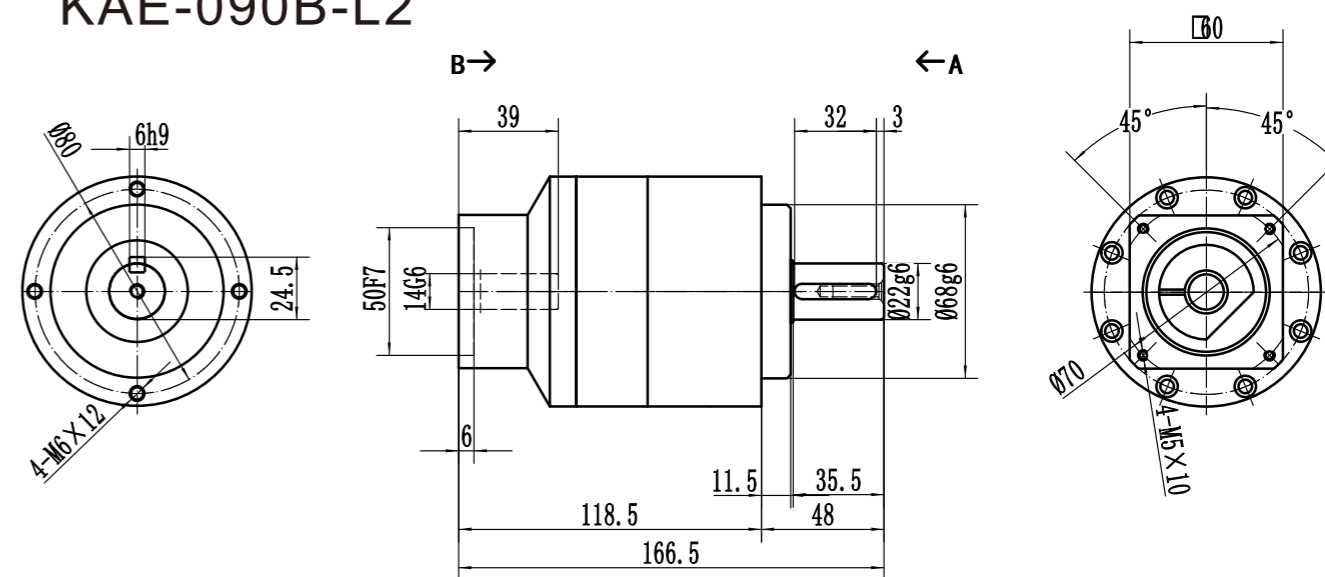
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KAE-090B-L1



KAE-090B-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

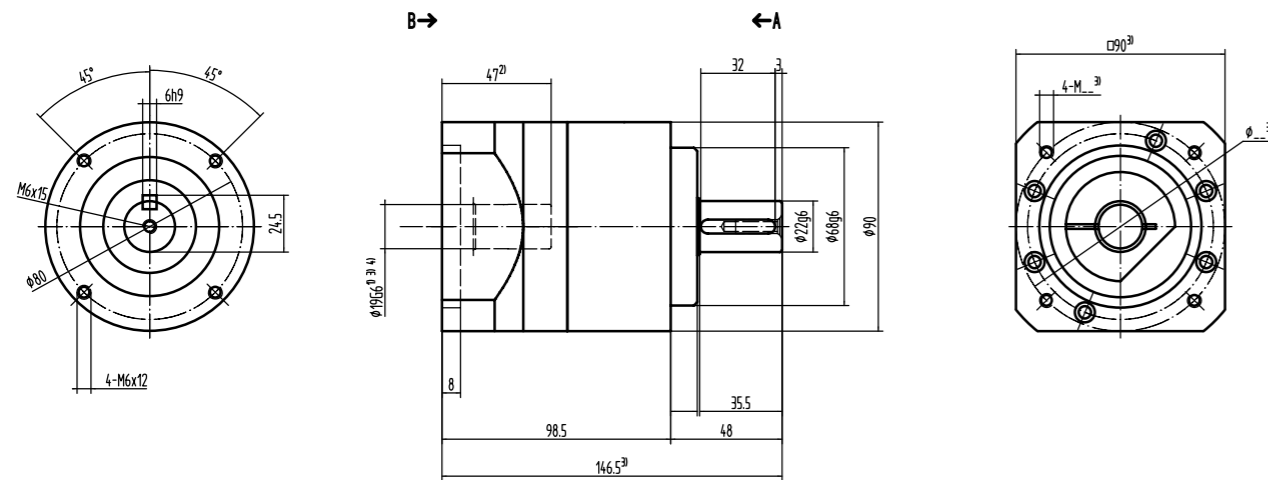
其他疑问请联系客服！

General tolerance is +/- 1mm

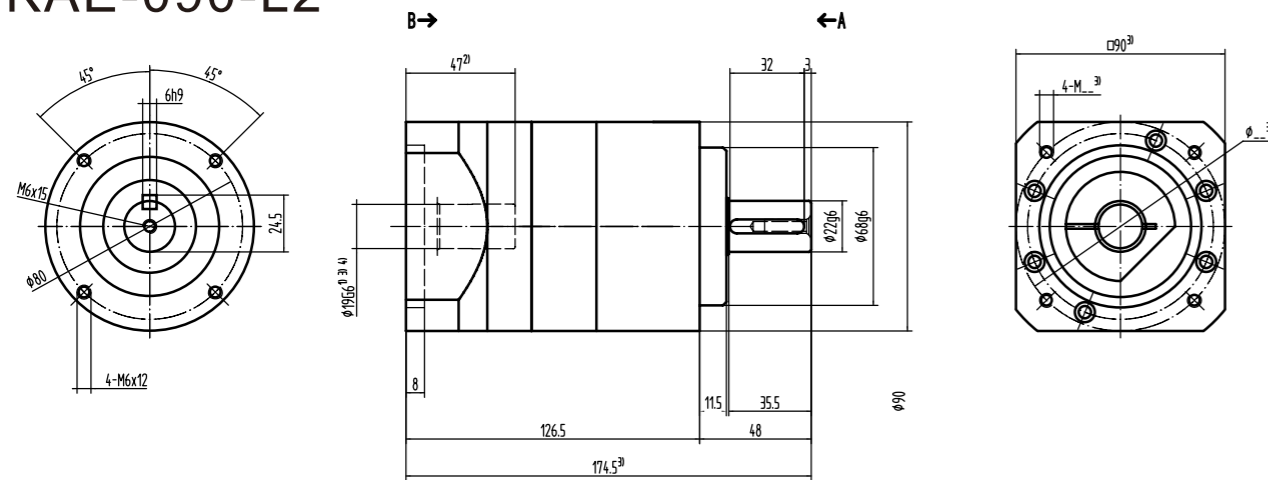
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KAE-090-L1



KAE-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

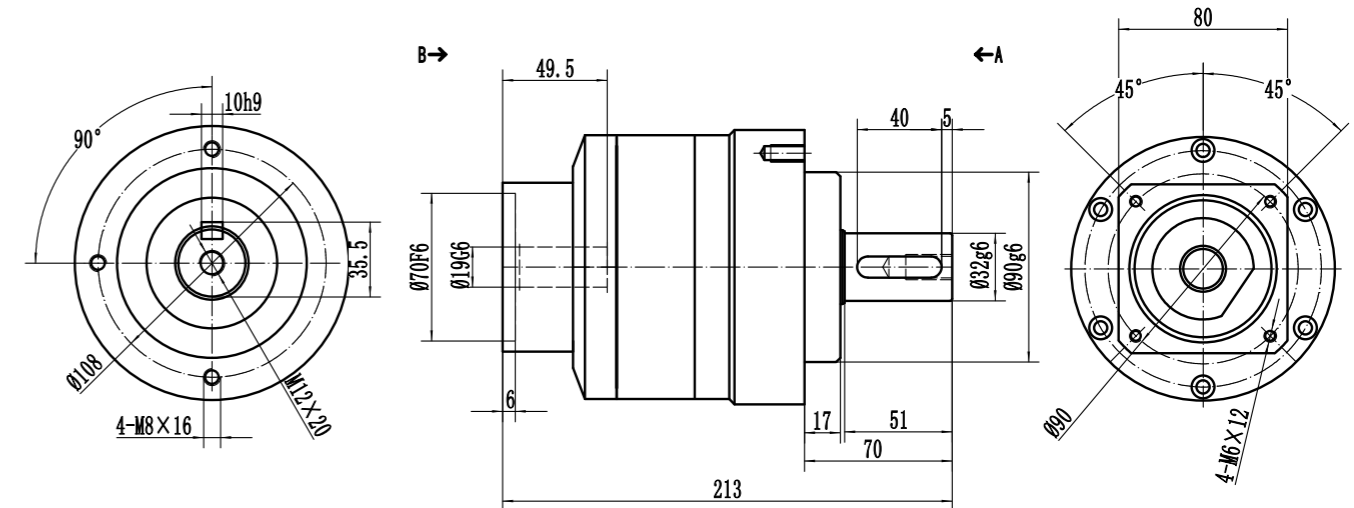
其他疑问请联系客服！

General tolerance is +/- 1mm

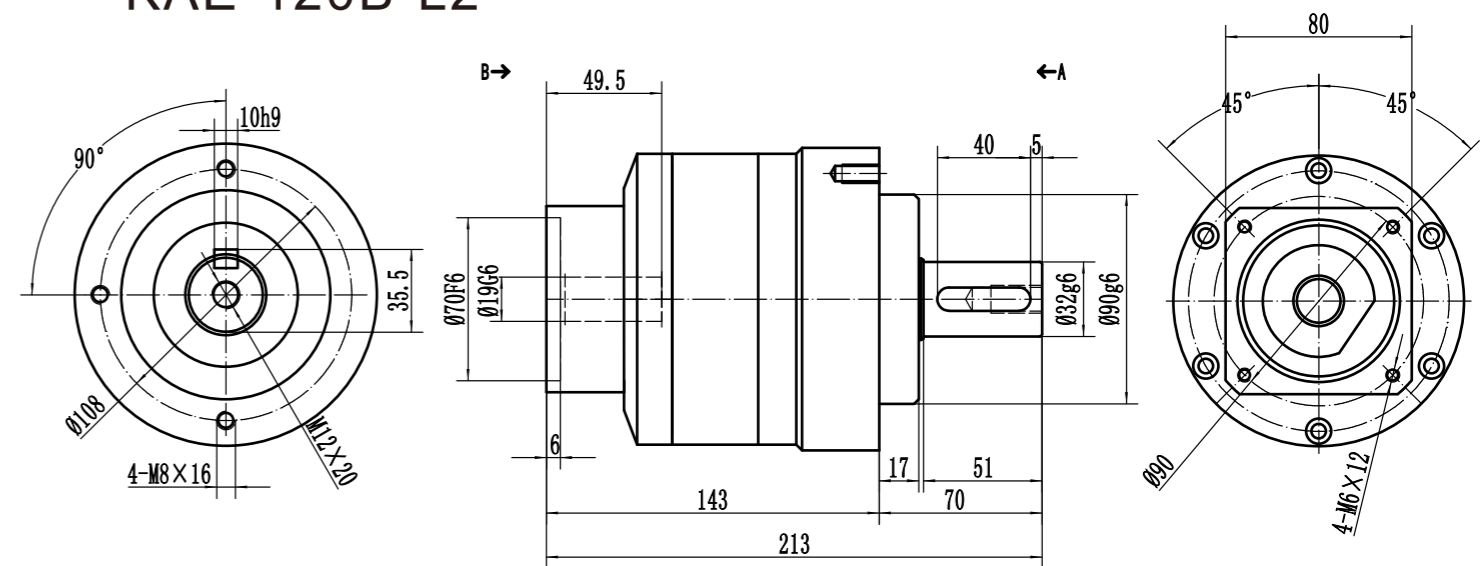
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KAE-120B-L1



KAE-120B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

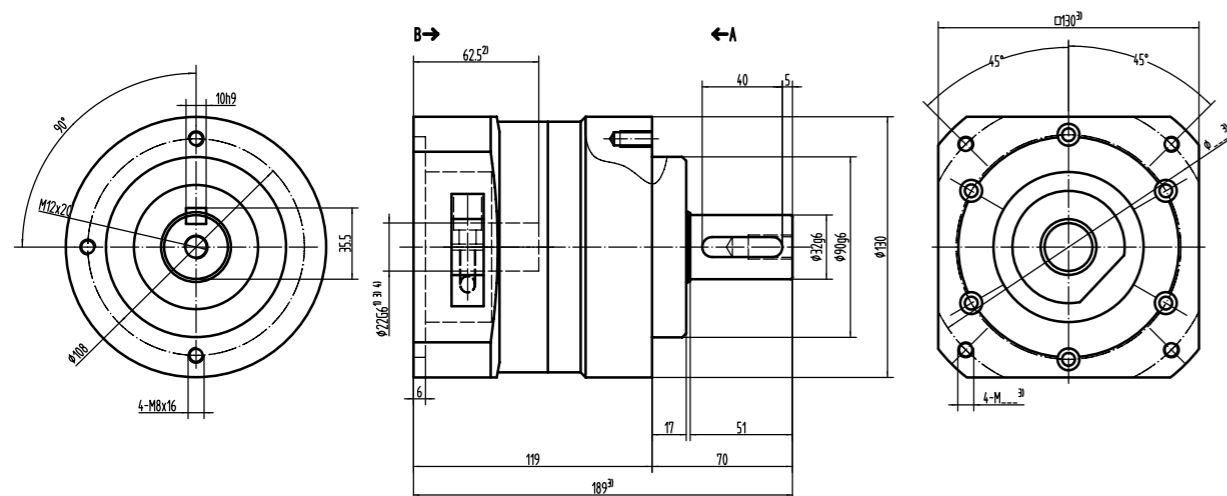
其他疑问请联系客服！

General tolerance is +/- 1mm

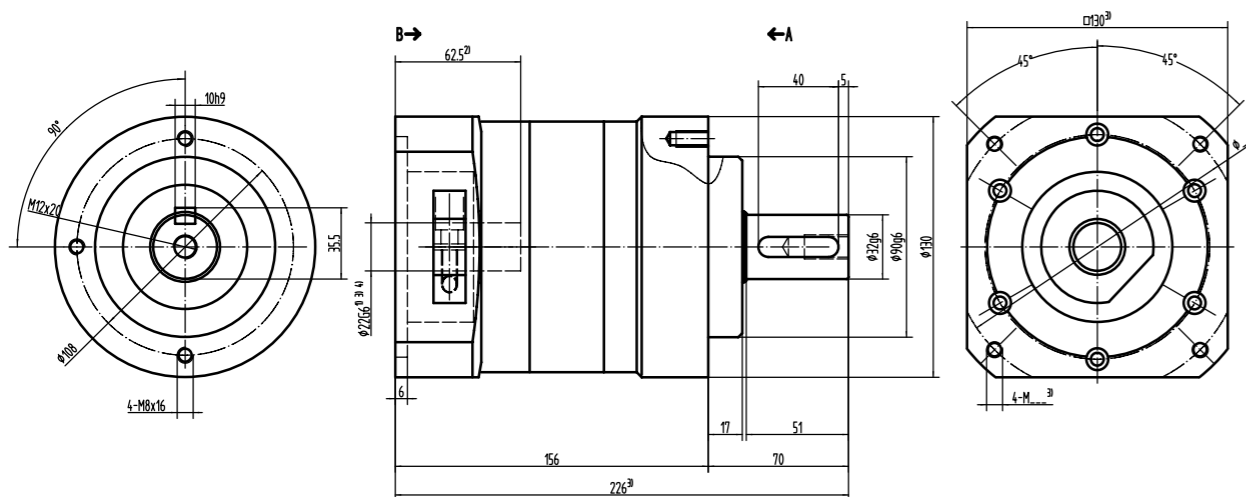
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KAE-120-L1



KAE-120-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

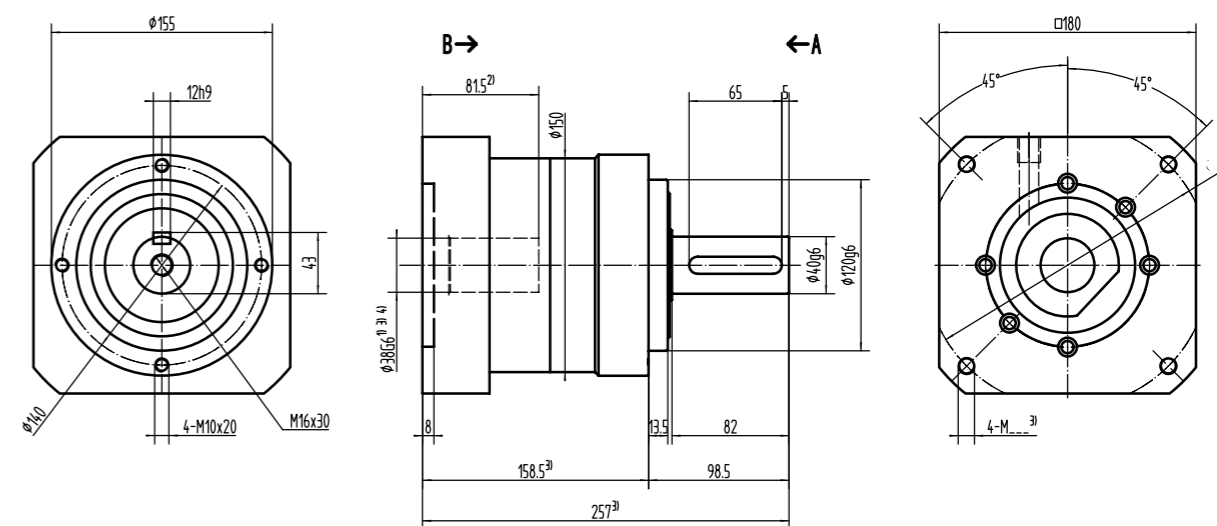
其他疑问请联系客服！

General tolerance is +/- 1mm

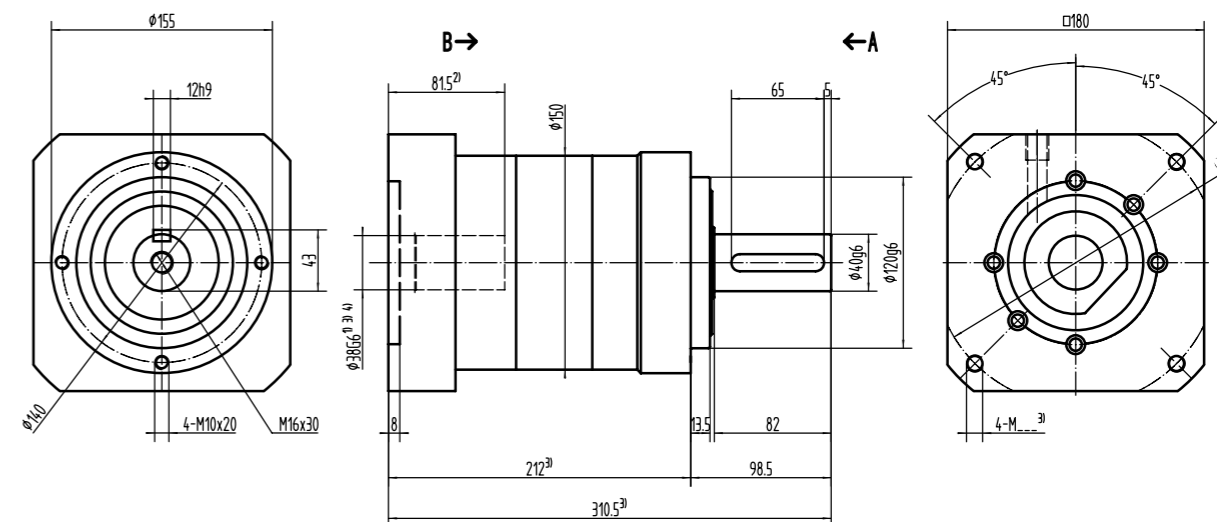
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KAE-150-L1



KAE-150-L2



未注公差 $\pm 1\text{mm}$

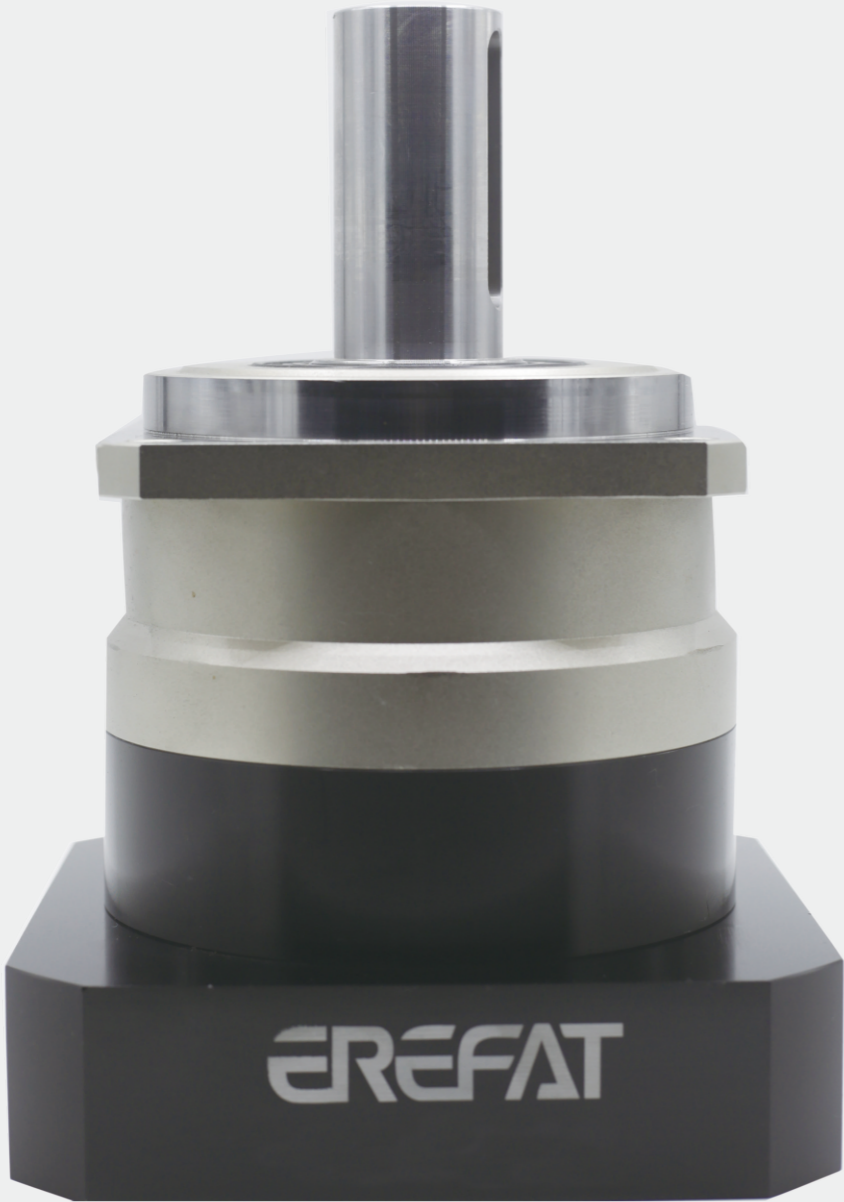
- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

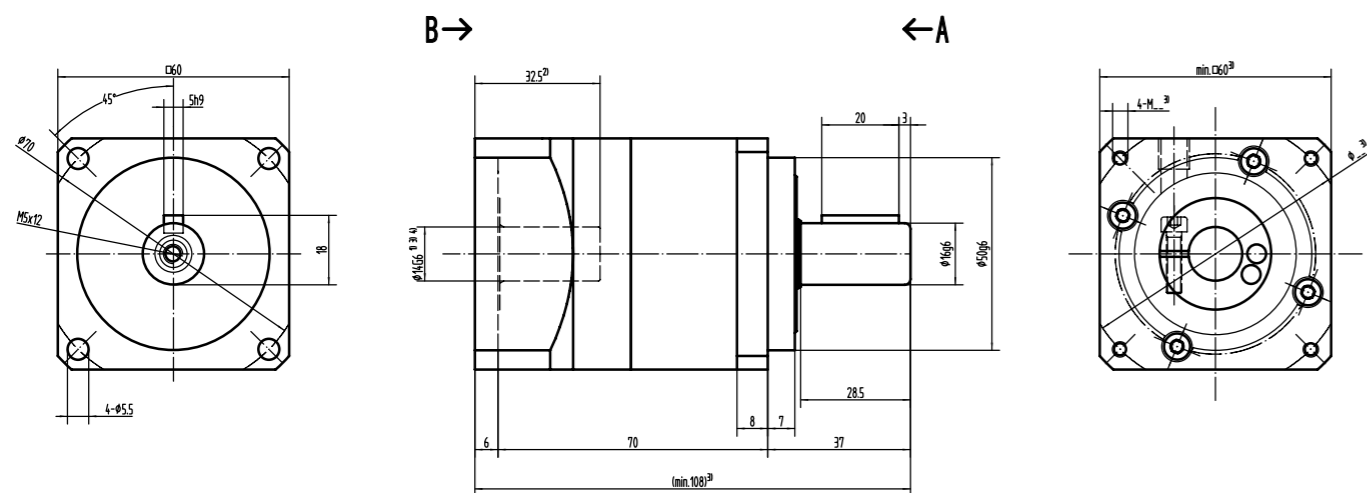
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

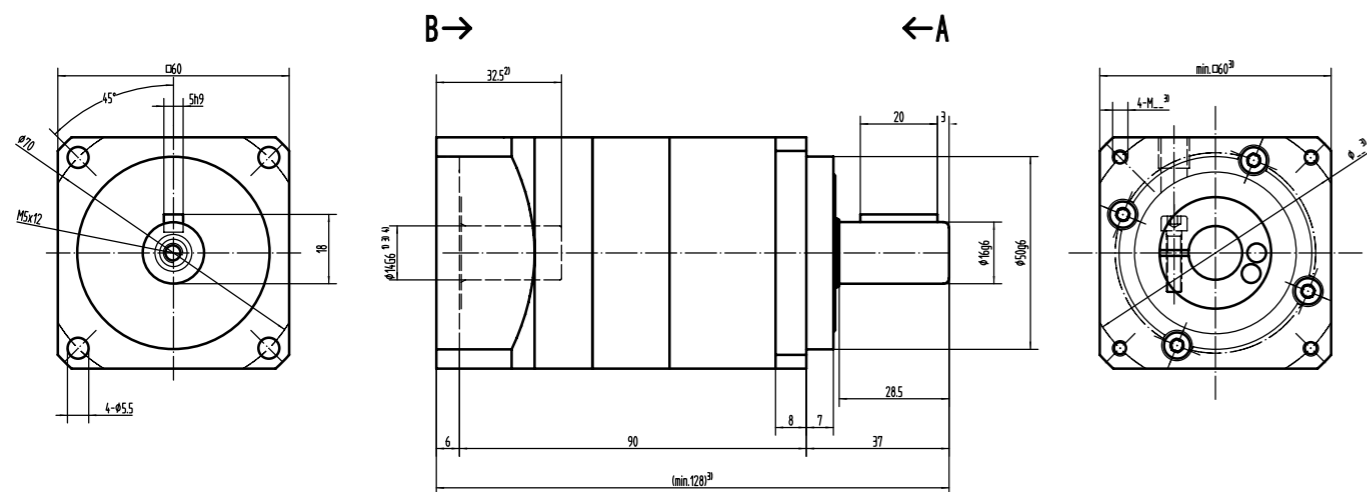


KVB系列(KVB Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KVB060	KVB090	KVB090B	KVB120	KVB120B	KVB150
额定输出扭矩(nominal output torque)T2N	Nm	L1	3	50	130	130	208	208	342
			4	50	140	140	290	290	542
			5	60	160	160	330	330	650
			7	50	140	140	300	300	550
			10	40	100	100	230	230	450
		L2	15	55	130	130	208	208	342
			20	50	140	140	290	290	542
			25	60	160	160	330	330	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	120	120	230	230	500
			50	60	160	160	330	330	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程高精密间隙P1 low backlash	arcmin	L1	3~10	≤3	≤3	≤3	≤3	≤3	≤3
		L2	15~100	≤5	≤5	≤5	≤5	≤5	≤5
回程标准间隙P2 standard backlash		L1	3~10	≤5	≤5	≤5	≤5	≤5	≤5
		L2	15~100	≤8	≤8	≤8	≤8	≤8	≤8
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	15~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	3~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤60	≤64	≤64	≤67	≤67	≤72
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KVB-060-L1



KVB-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

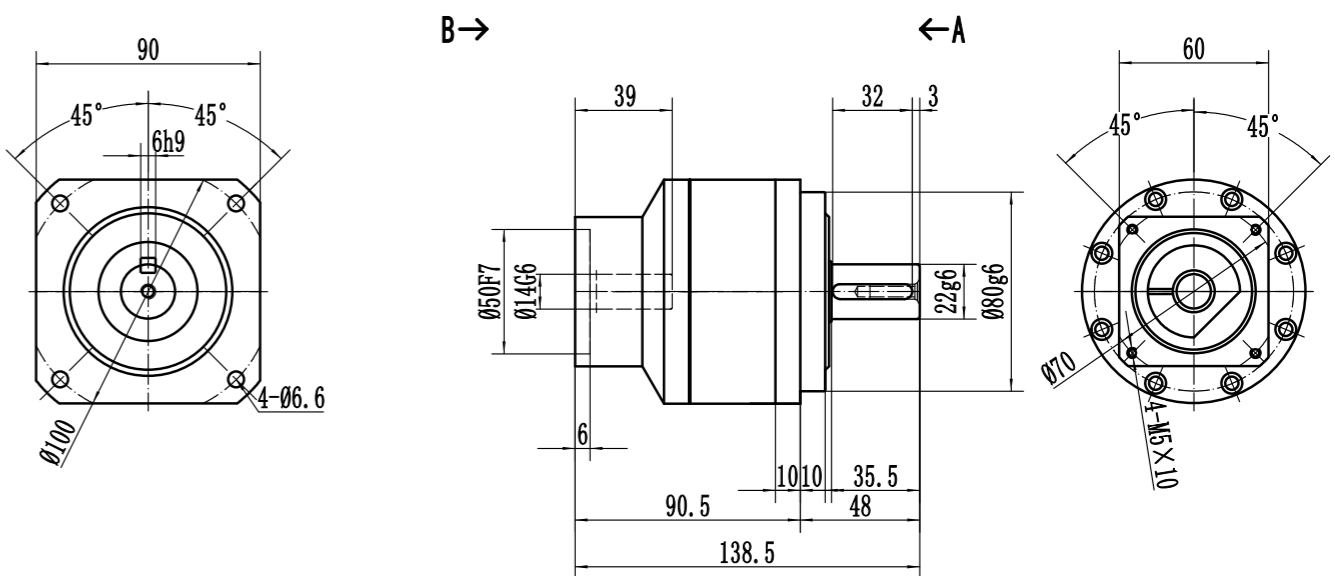
其他疑问请联系客服！

General tolerance is +/- 1mm

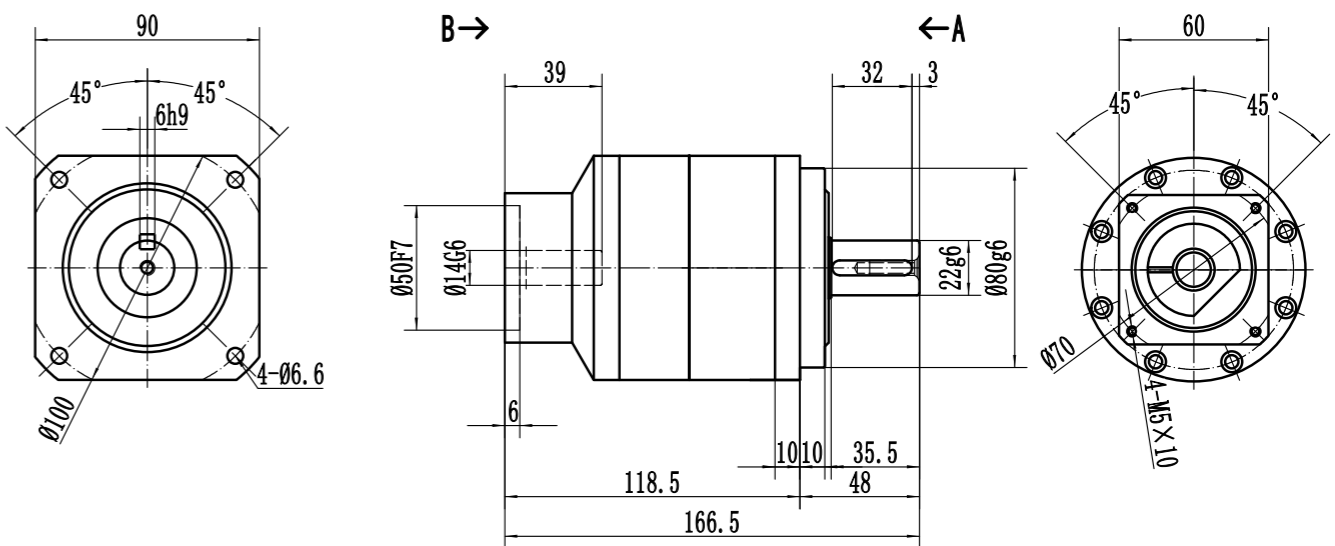
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KVB-090B-L1



KVB-090B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

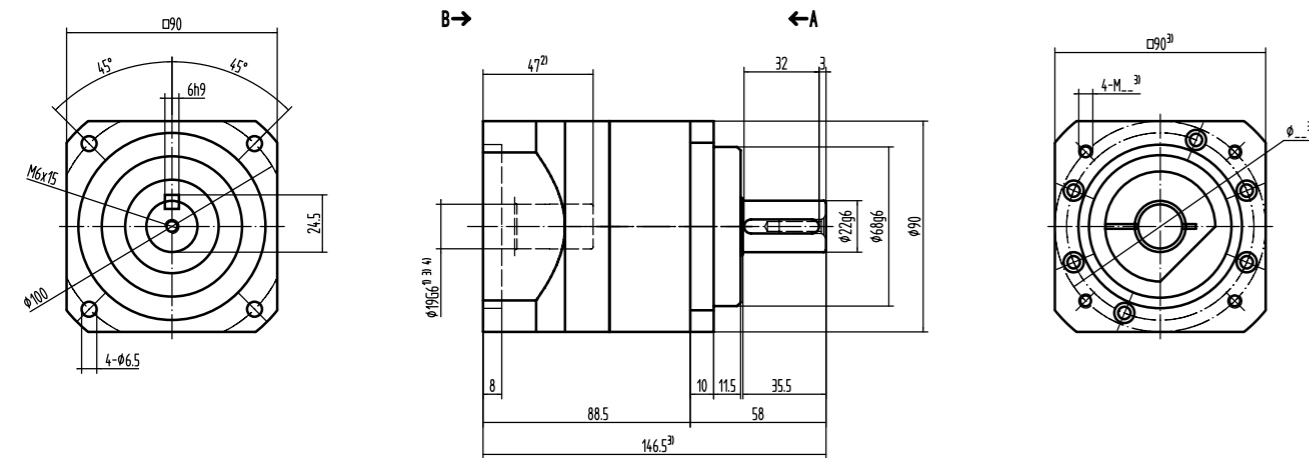
其他疑问请联系客服！

General tolerance is +/- 1mm

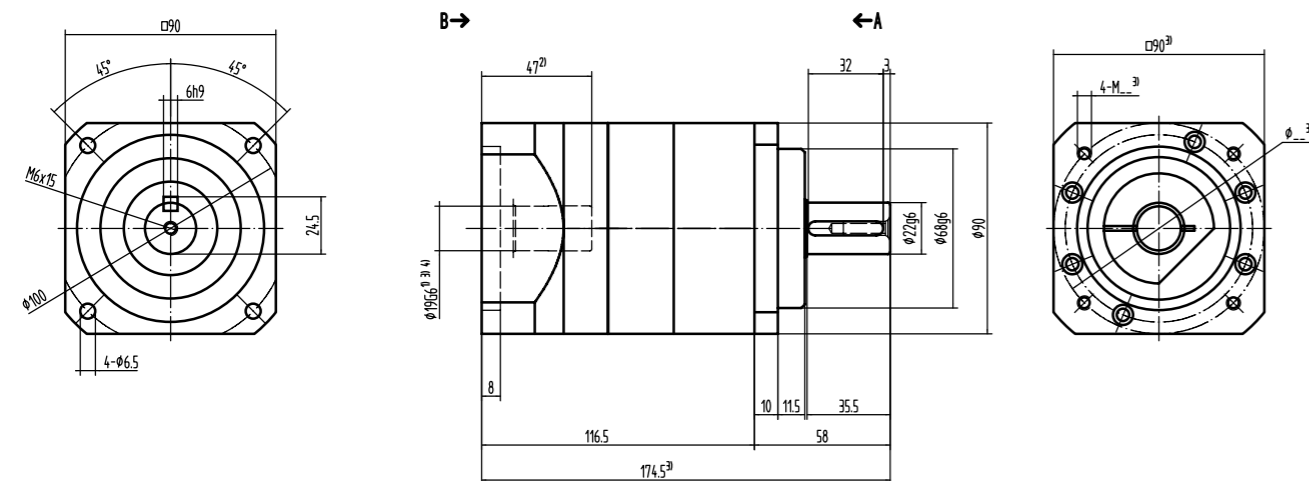
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KVB-090-L1



KVB-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

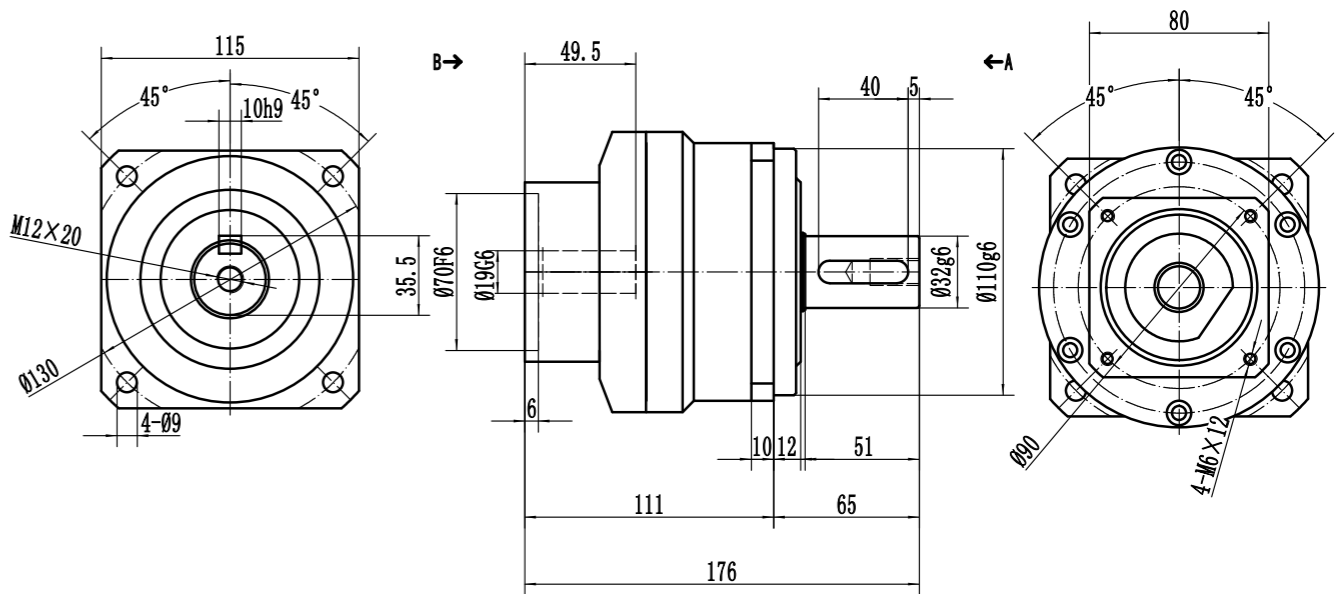
其他疑问请联系客服！

General tolerance is +/- 1mm

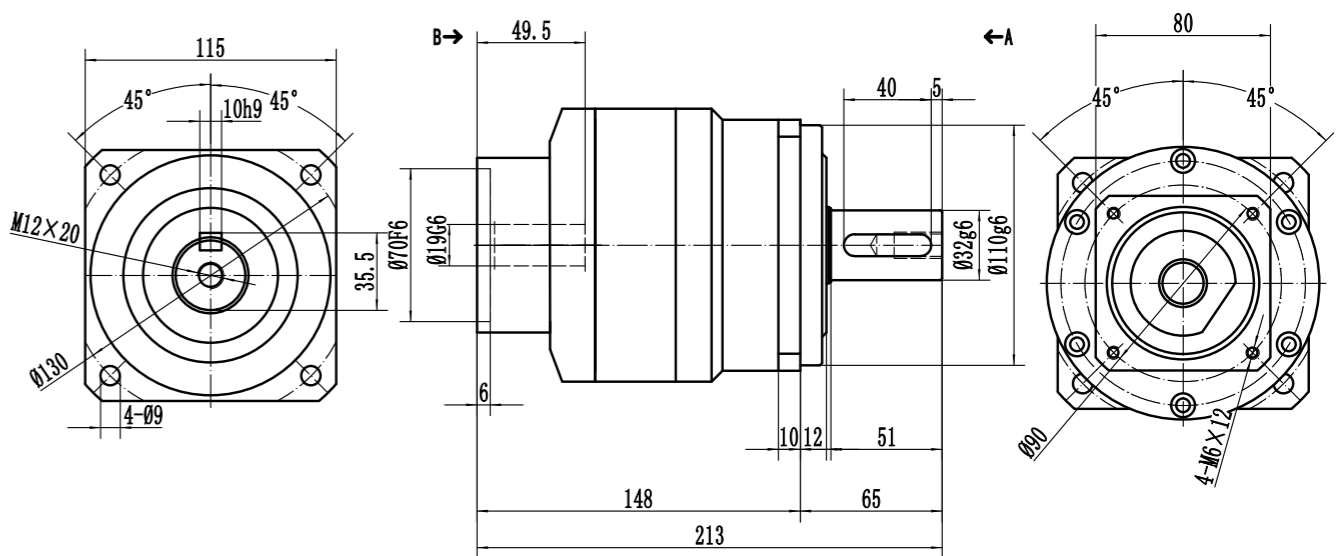
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KVB-115B-L1



KVB-115B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

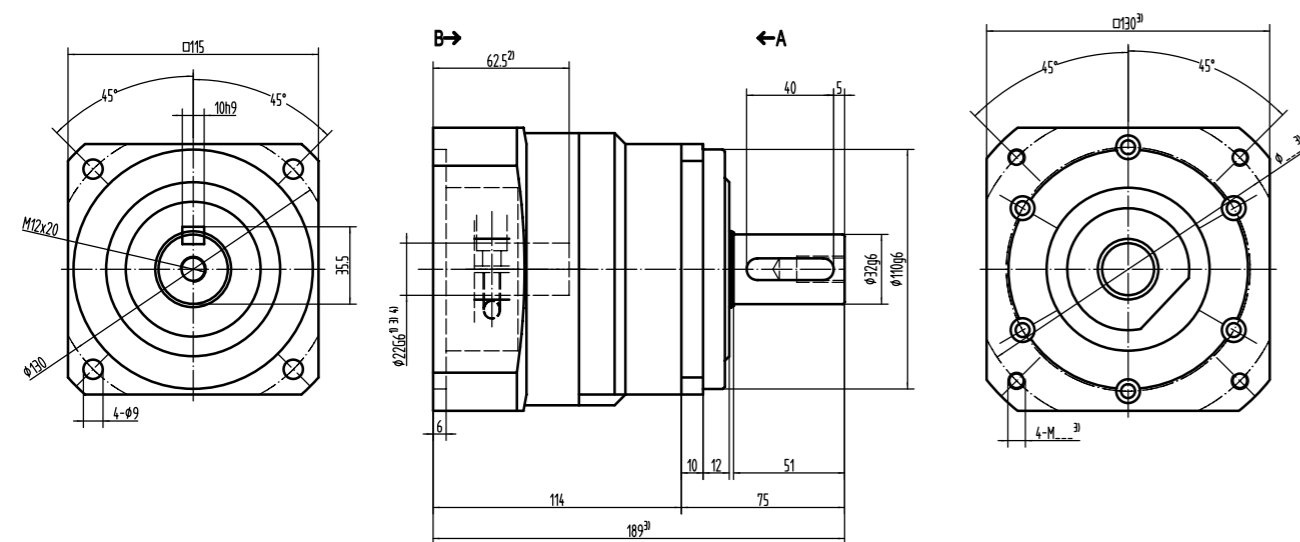
其他疑问请联系客服！

General tolerance is +/- 1mm

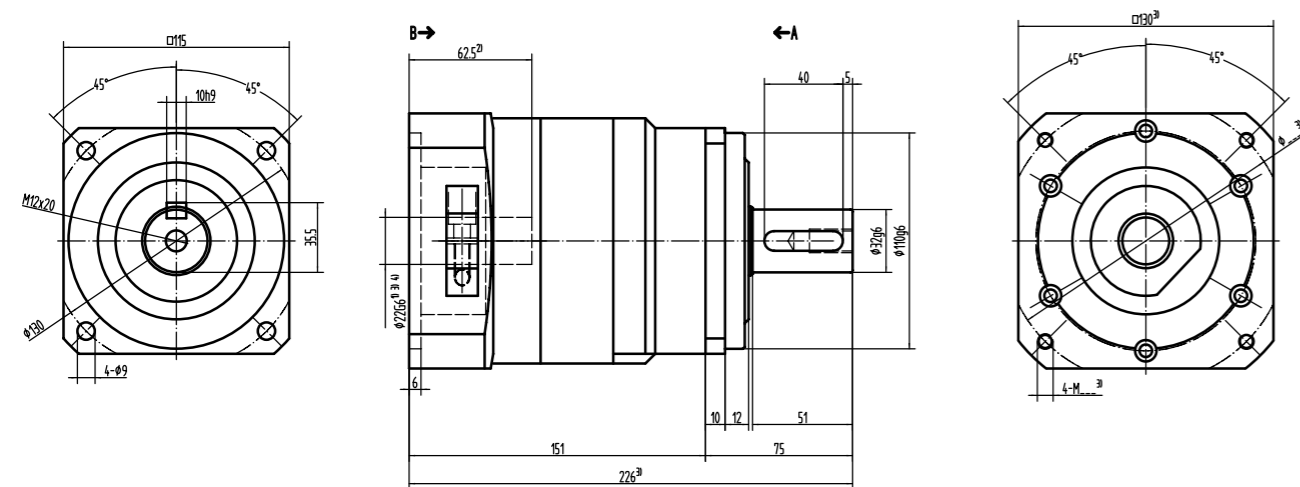
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KVB-115-L1



KVB-115-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

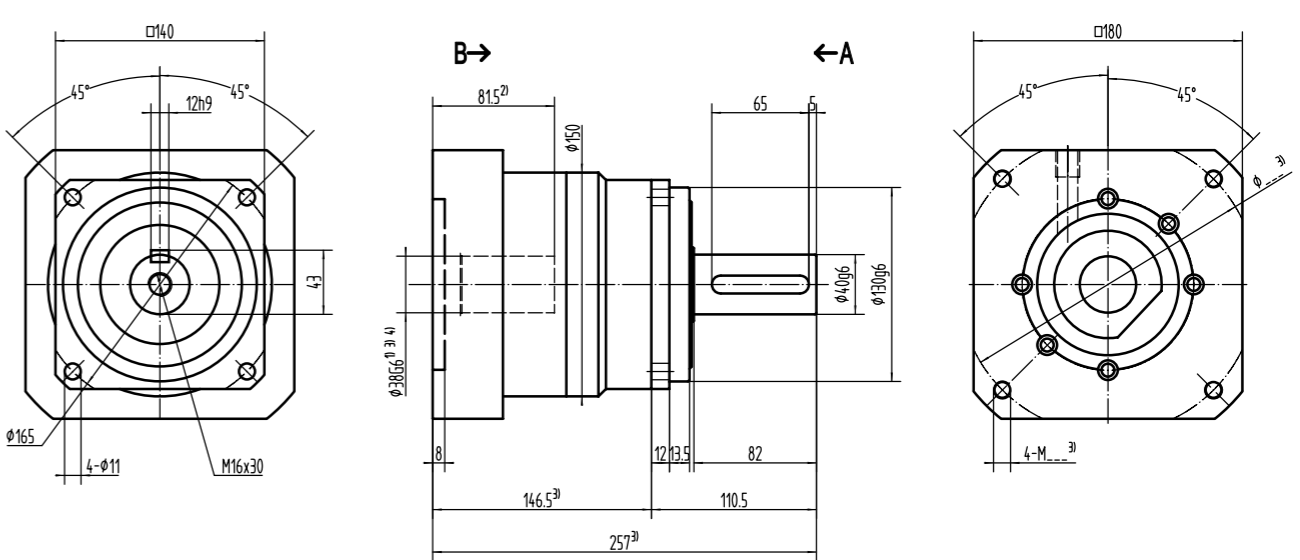
其他疑问请联系客服！

General tolerance is +/- 1mm

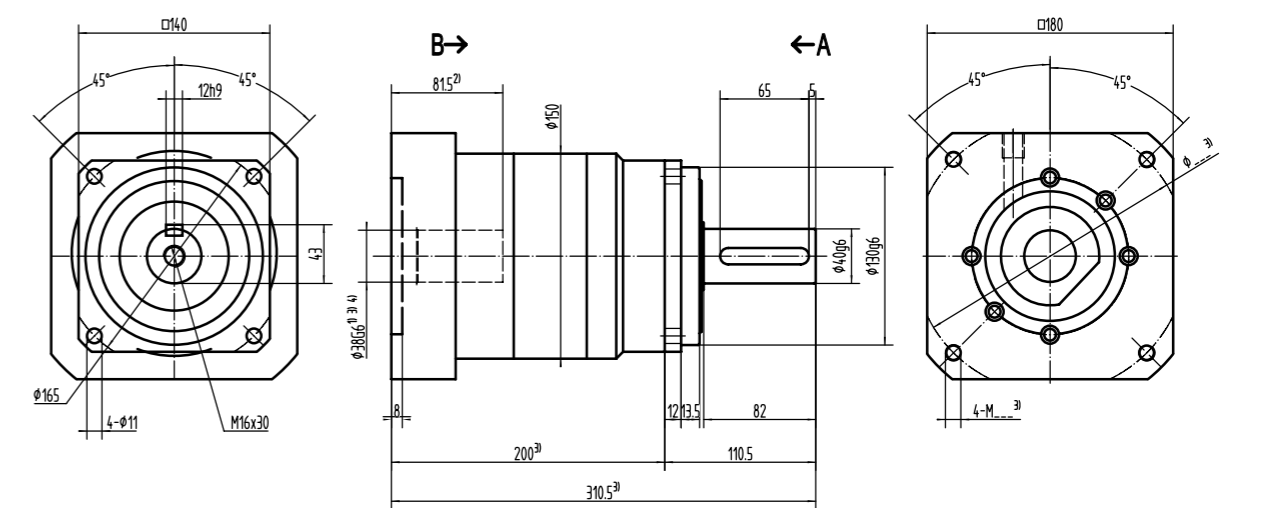
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KVB-140-L1



KVB-140-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

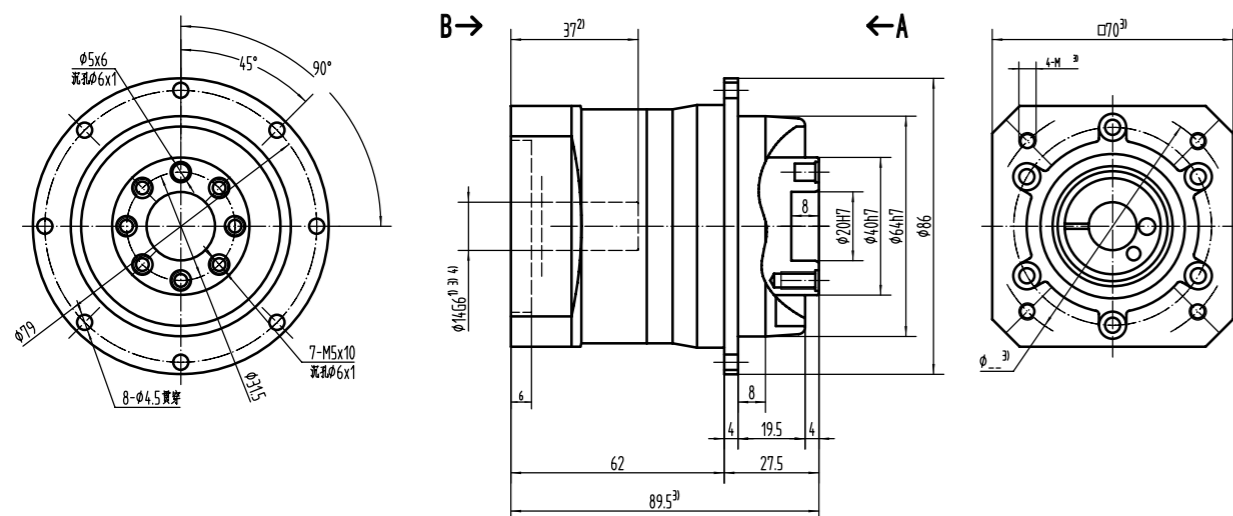
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

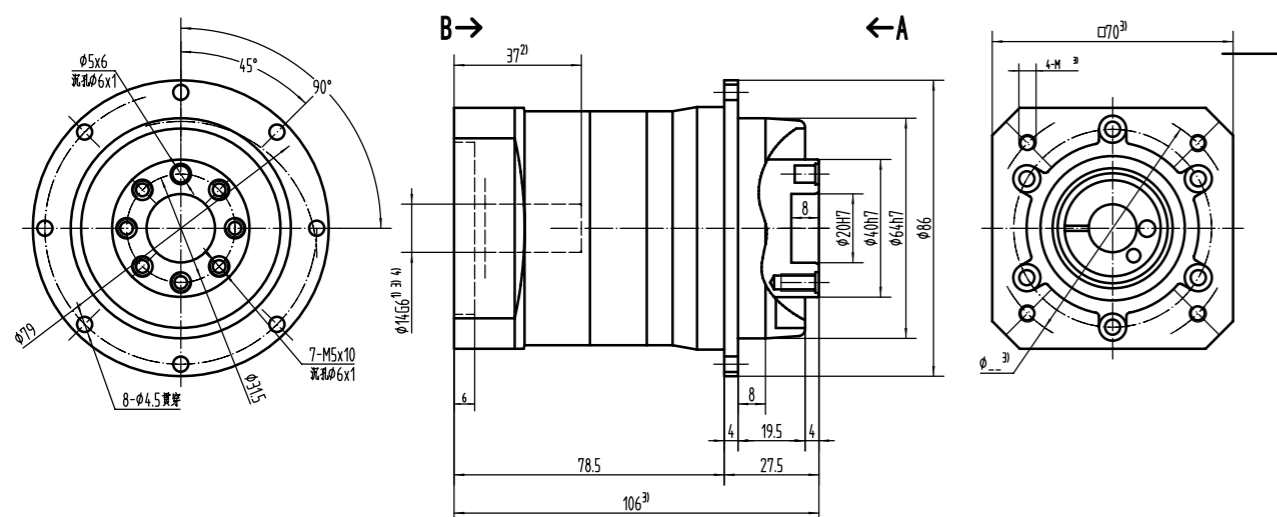


KTP系列(KTP Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KTP064	KTP090	KTP090B	KTP110	KTP110B	KTP142
额定输出扭矩(norminal output torque)T2N	Nm		4	50	130	130	270	270	560
			5	60	160	160	330	330	700
			7	50	140	140	300	300	700
			10	40	100	100	230	230	460
			20	50	130	130	270	270	650
			25	60	160	160	330	330	700
			35	50	140	140	300	300	700
			40	45	130	130	270	270	700
			50	60	160	160	330	330	700
			70	50	140	140	300	300	700
			100	40	100	100	230	230	460
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	4~100	2.5倍额定输出扭矩 2.5 times of norminal output torque					
额定输入转速(norminal input speed)nIN	rpm	L1*L2	4~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	4~100	10000	8000	8000	8000	8000	6000
回程高精密间隙P1 low backlash	arcmin	L1	4~100	≤3	≤3	≤3	≤3	≤3	≤3
		L2	20~100	≤5	≤5	≤5	≤5	≤5	≤5
回程标准间隙P2 standard backlash		L1	4~100	≤5	≤5	≤5	≤5	≤5	≤5
		L2	20~100	≤8	≤8	≤8	≤8	≤8	≤8
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	4~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	4~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	4~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	4~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	20~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	4~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	4~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	4~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	4~100	IP65					
安装方向 mounting position		L1*L2	4~100	任何方向 All position					
噪音 noise level	dB	L1*L2	4~100	≤60	≤62	≤62	≤65	≤65	≤70
转动惯量(Moment of Inertia)J1	kg.cm²	L1	4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KTP-064-L1



KTP-064-L2



未注公差±1mm

- 1) 检查电机轴直径;
- 2) 允许电机轴长度, 如有特殊请与我们联系;
- 3) 尺寸视电机而定;
- 4) 电机轴径偏小时可用轴套。

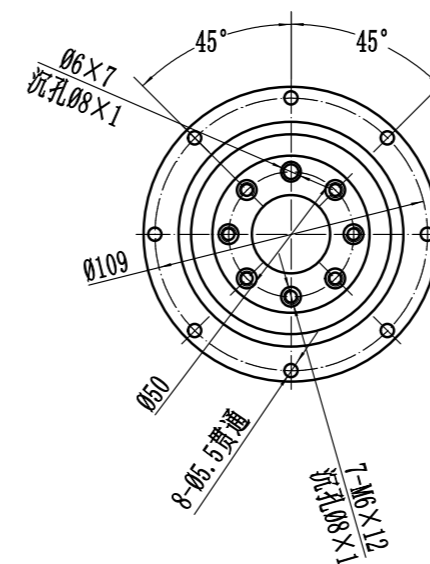
其他疑问请联系客服!

General tolerance is +/- 1mm

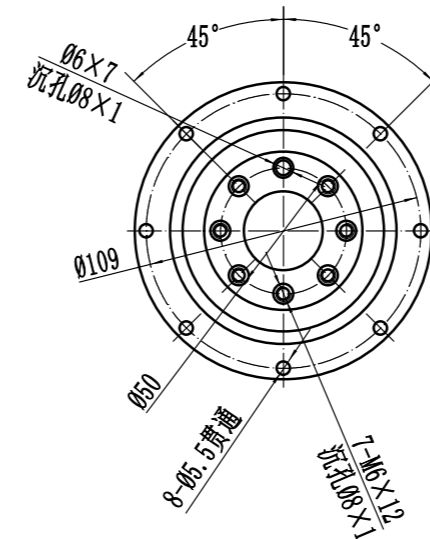
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTP-090B-L1



KTP-090B-L2



未注公差±1mm

- 1) 检查电机轴直径;
- 2) 允许电机轴长度, 如有特殊请与我们联系;
- 3) 尺寸视电机而定;
- 4) 电机轴径偏小时可用轴套。

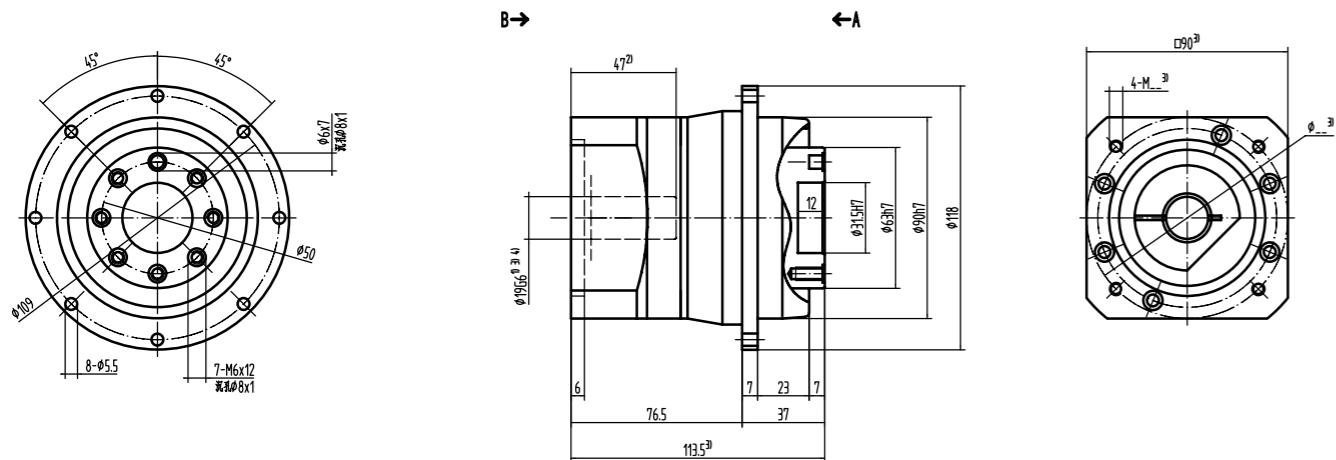
其他疑问请联系客服!

General tolerance is +/- 1mm

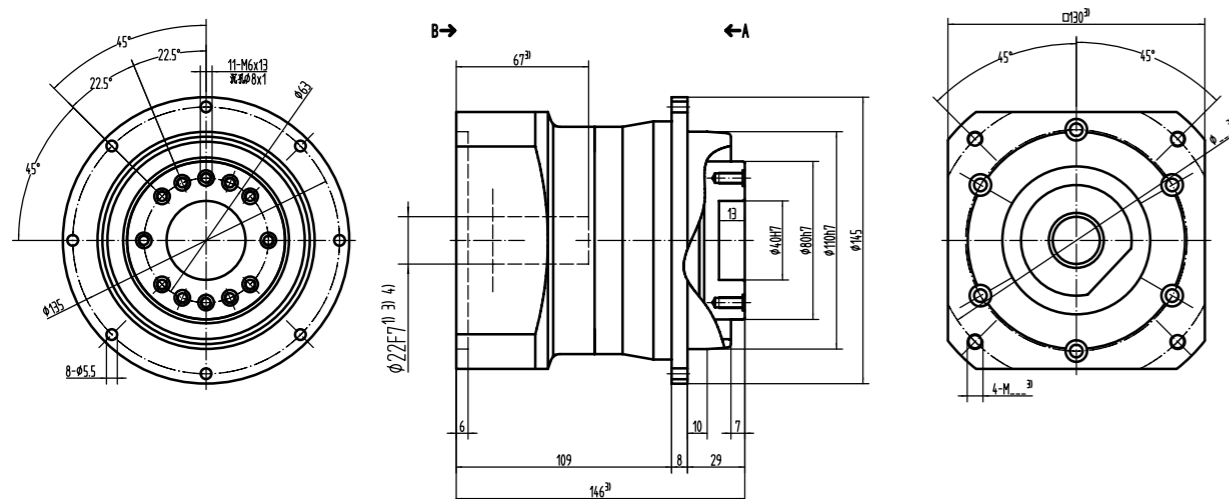
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

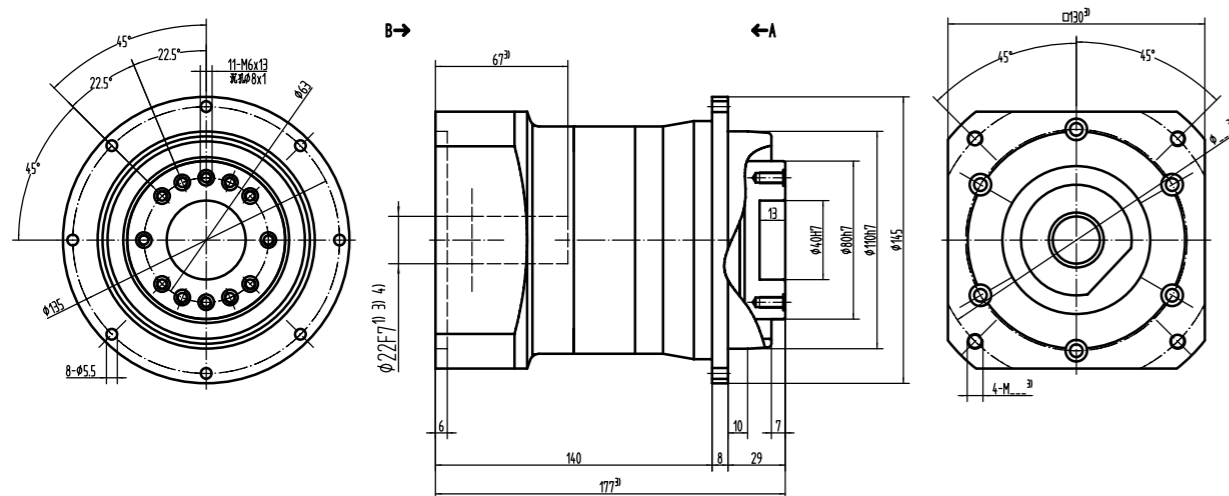
KTP-090-L1



KTP-110-L1



KTP-110-L2



未注公差±1mm

- 1) 检查电机轴直径;
- 2) 允许电机轴长度, 如有特殊请与我们联系;
- 3) 尺寸视电机而定;
- 4) 电机轴径偏小时可用轴套。

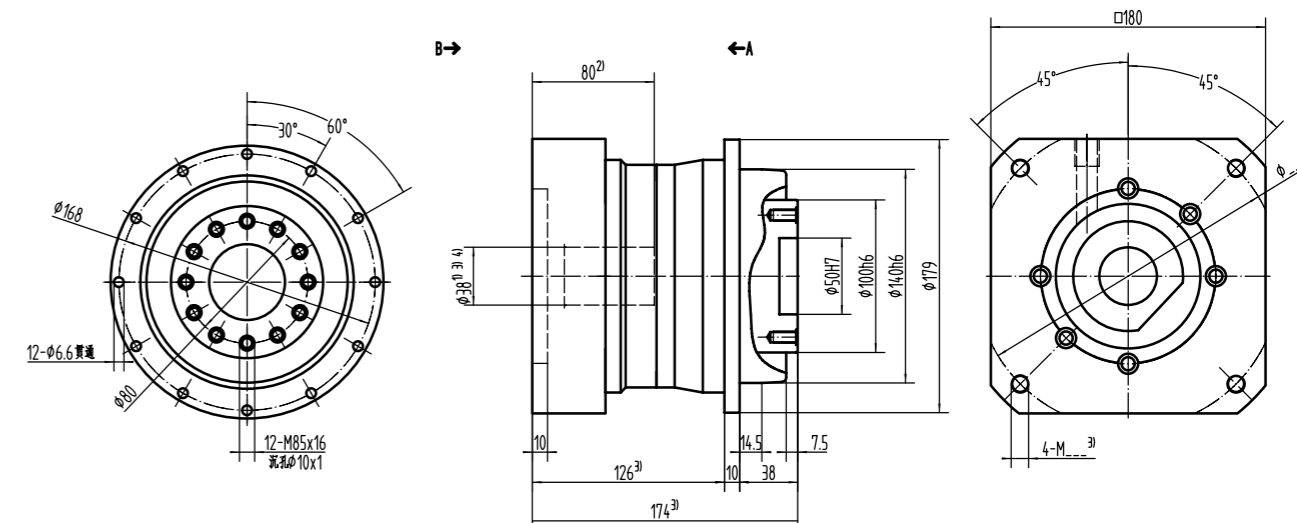
其他疑问请联系客服!

General tolerance is +/- 1mm

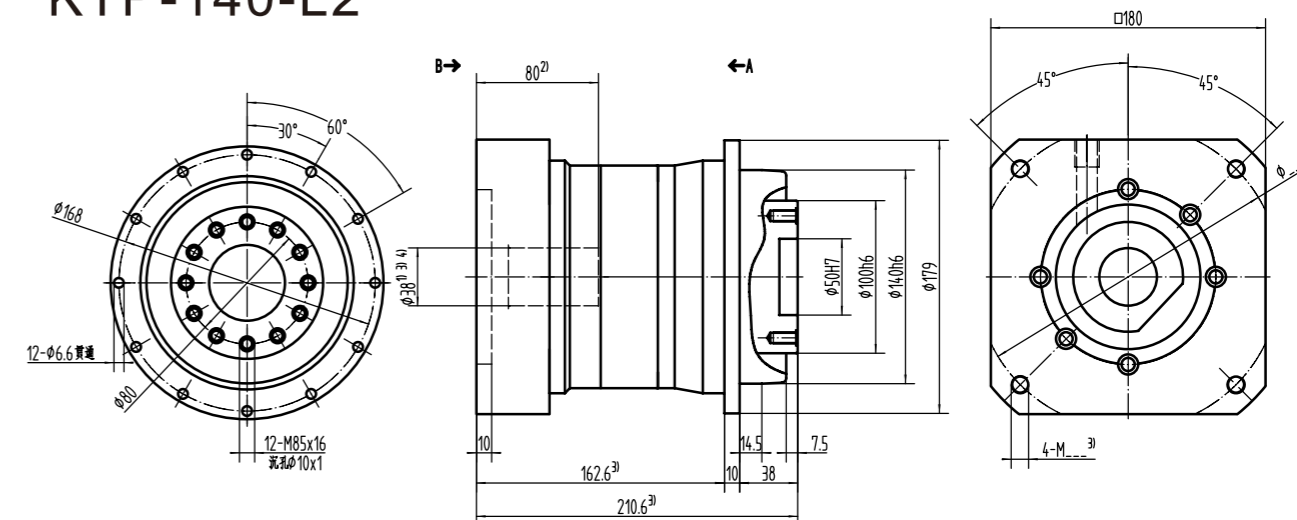
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTP-140-L1



KTP-140-L2



未注公差±1mm

- 1) 检查电机轴直径;
- 2) 允许电机轴长度, 如有特殊请与我们联系;
- 3) 尺寸视电机而定;
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服!

General tolerance is +/- 1mm

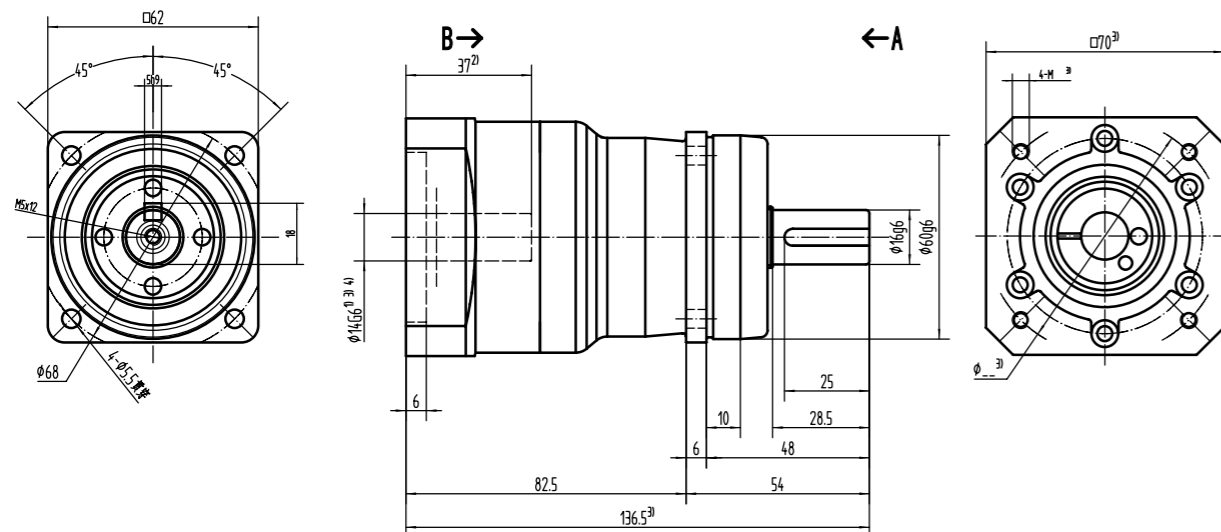
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

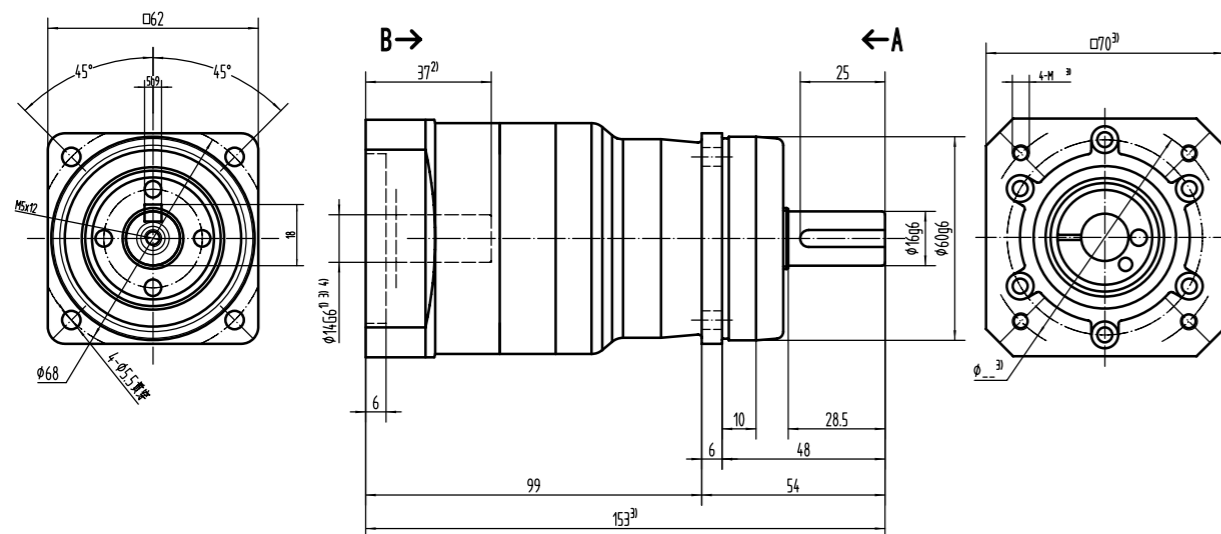


KSP系列 (KSP Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KSP060	KSP075	KSP075B	KSP100	KSP100B	KSP142
额定输出扭矩(nominal output torque)T2N	Nm	L1	3	55	130	130	208	208	342
			4	50	140	140	290	290	542
			5	60	160	160	330	330	650
			7	50	140	140	300	300	550
			10	40	100	100	230	230	450
		L2	15	55	130	130	208	208	342
			20	50	140	140	290	290	542
			25	60	160	160	330	330	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	120	120	230	230	500
			50	60	160	160	330	330	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)n1N	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程高精密间隙P1 low backlash	arcmin	L1	3~10	≤3	≤3	≤3	≤3	≤3	≤3
回程标准间隙P2 standard backlash		L2	15~100	≤5	≤5	≤5	≤5	≤5	≤5
		L1	3~10	≤5	≤5	≤5	≤5	≤5	≤5
	L2	15~100	≤8	≤8	≤8	≤8	≤8	≤8	
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	15~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	3~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤60	≤62	≤62	≤65	≤65	≤70
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KSP-060-L1



KSP-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

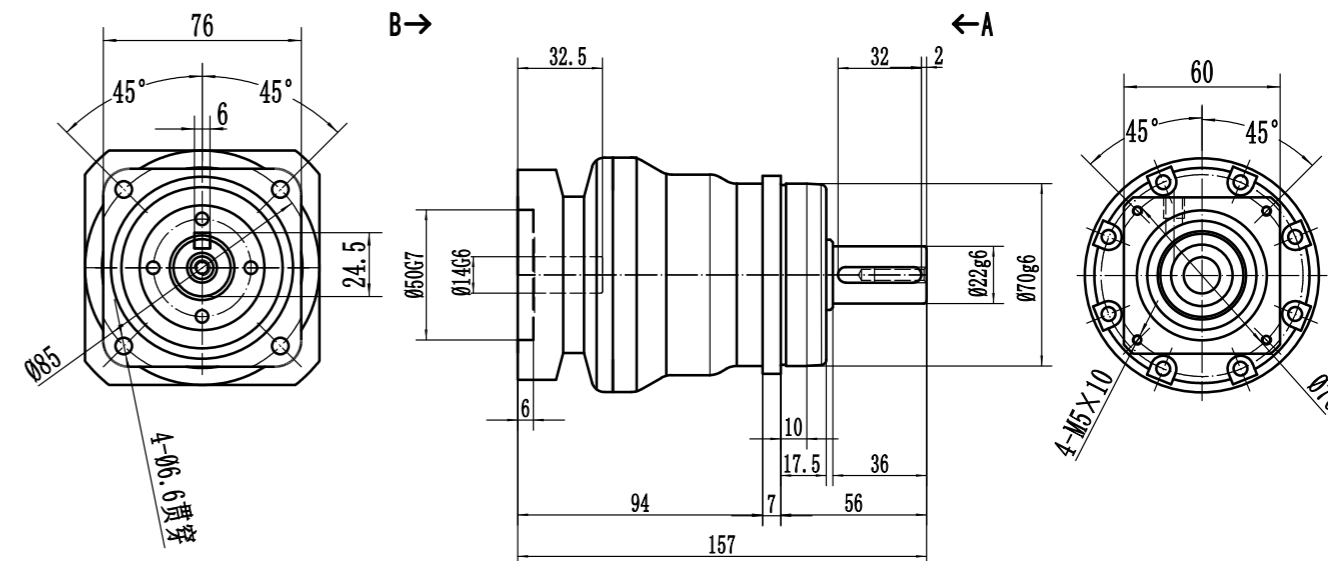
其他疑问请联系客服！

General tolerance is +/- 1mm

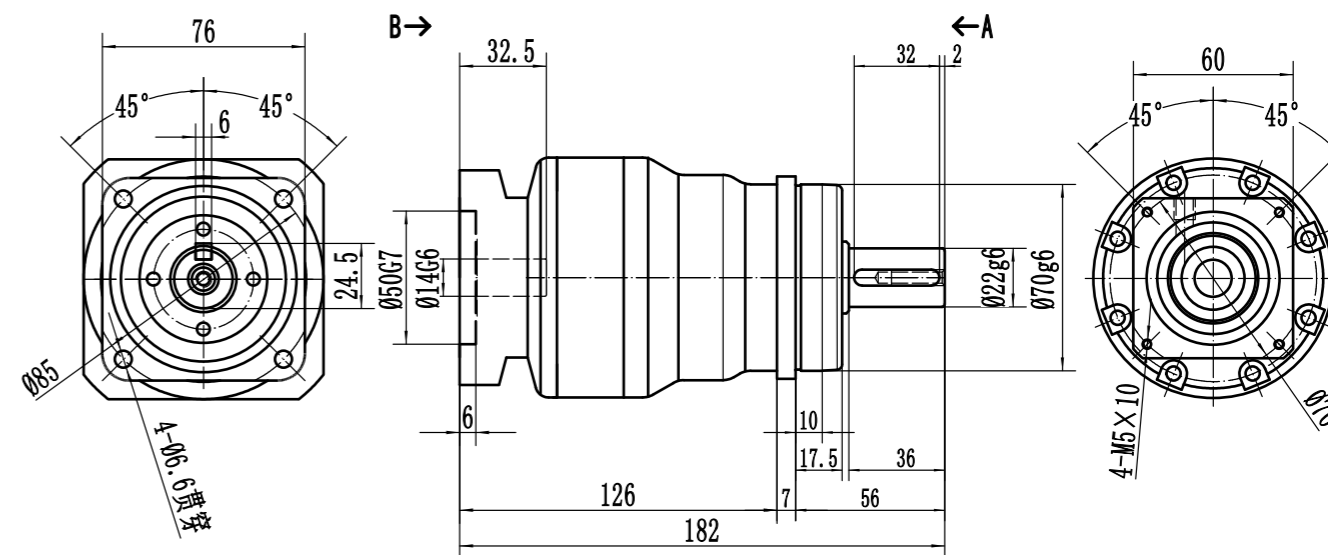
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KSP-075B-L1



KSP-075B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

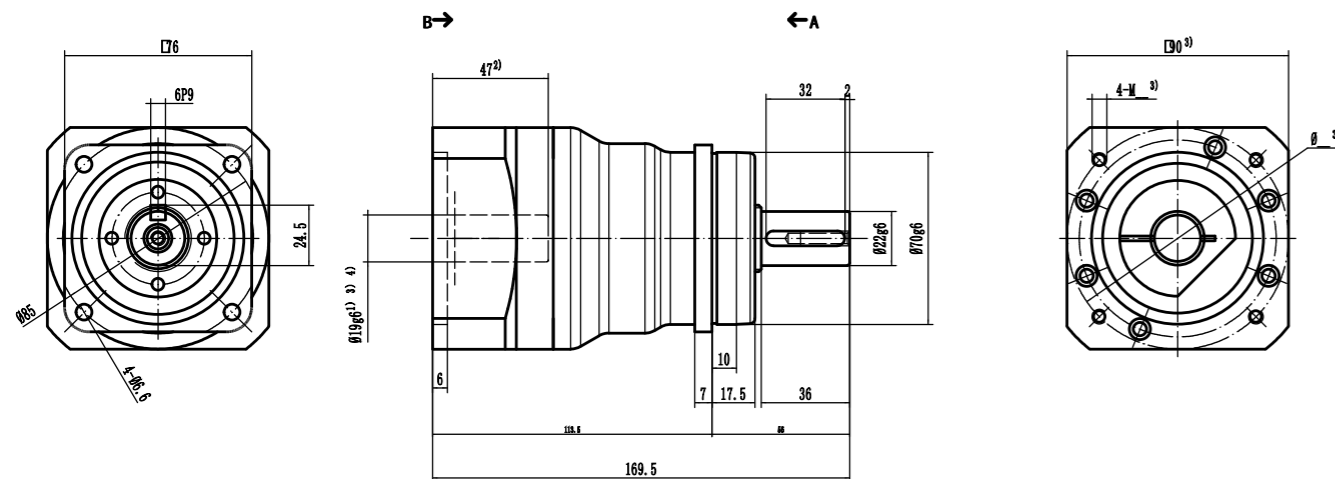
其他疑问请联系客服！

General tolerance is +/- 1mm

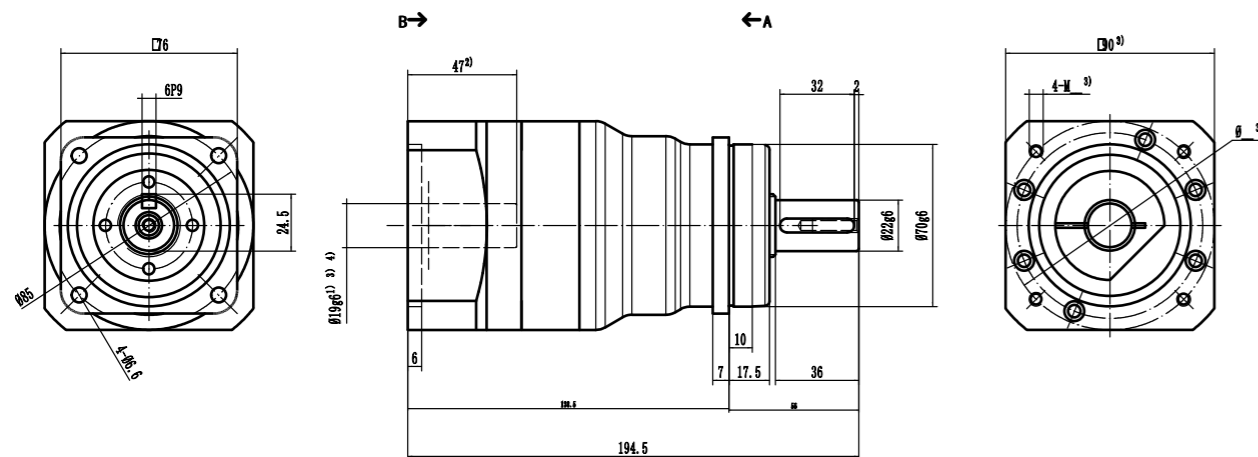
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KSP-075-L1



KSP-075-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

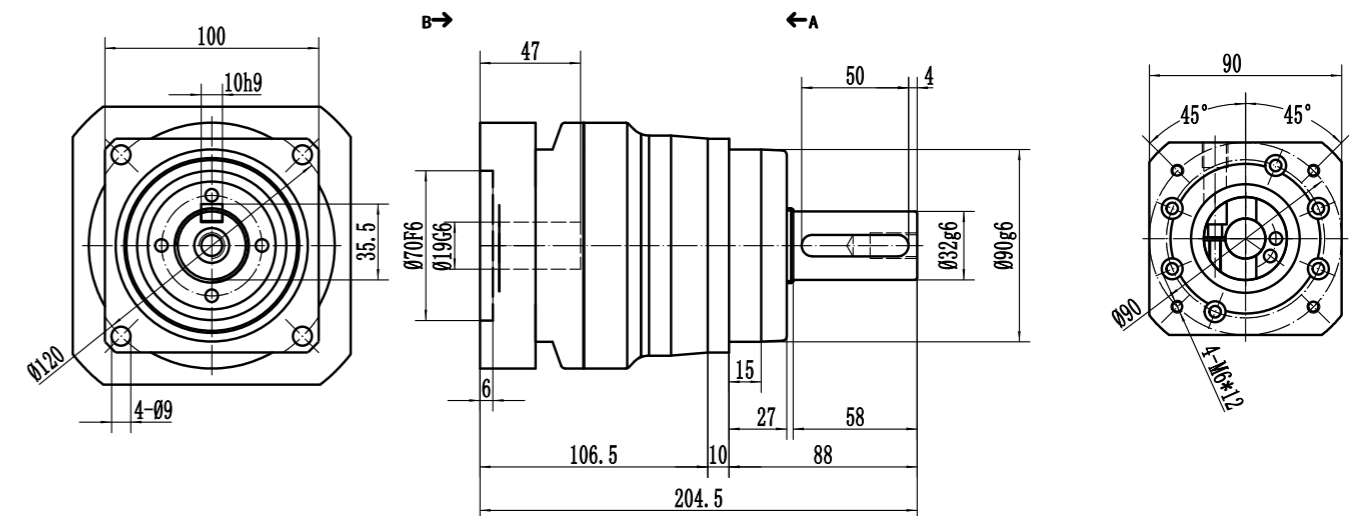
其他疑问请联系客服！

General tolerance is +/- 1mm

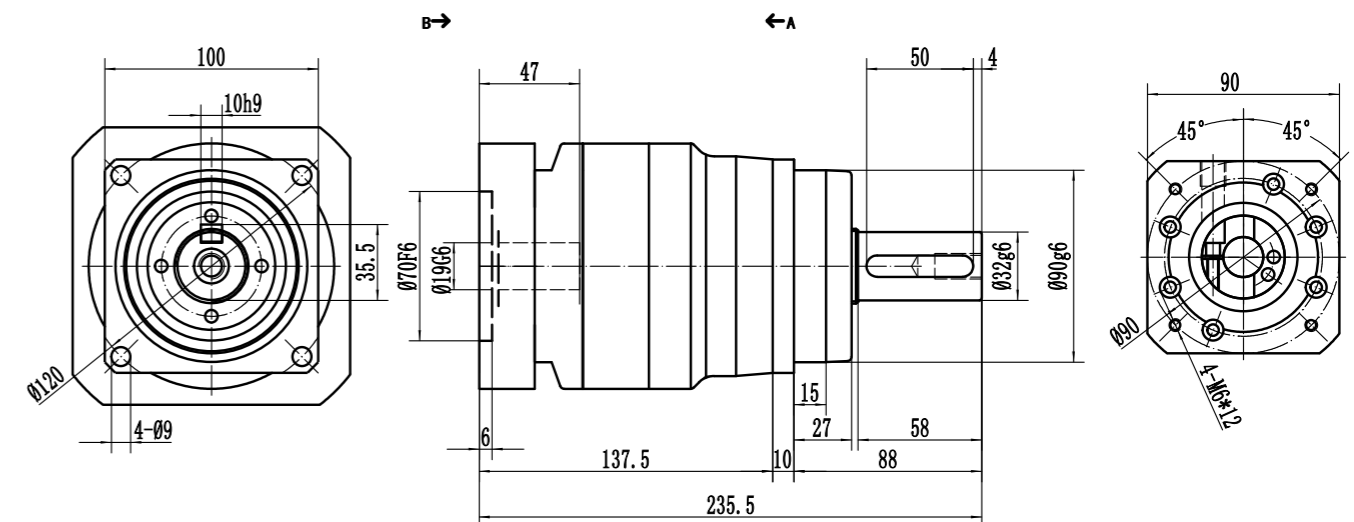
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diameter of motor shaft.

Any other questions,please contact us!

KSP-100B-L1



KSP-100B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

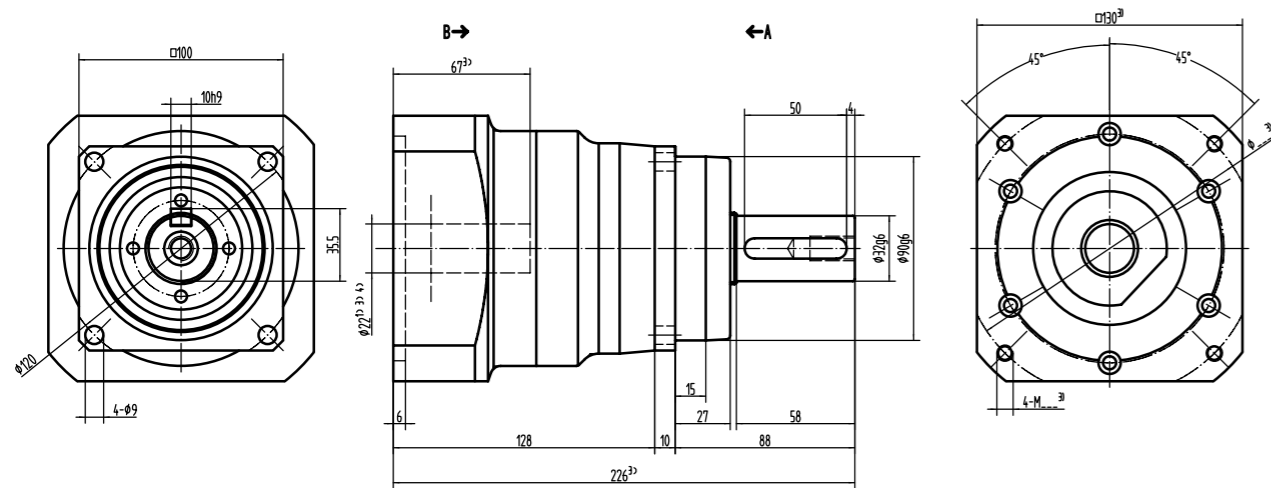
其他疑问请联系客服！

General tolerance is +/- 1mm

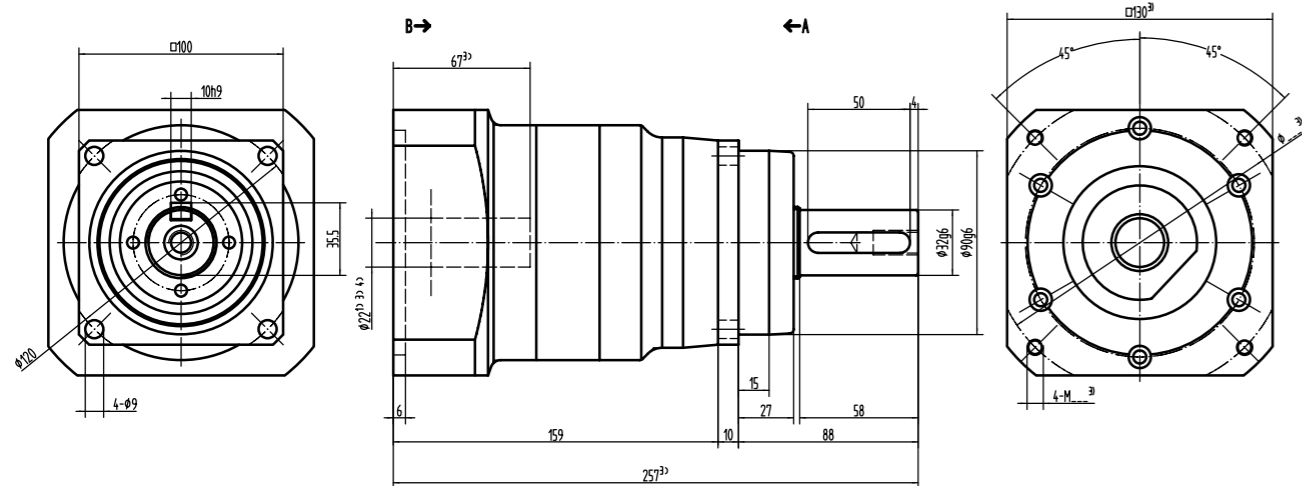
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diameter of motor shaft.

Any other questions,please contact us!

KSP-100-L1



KSP-100-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

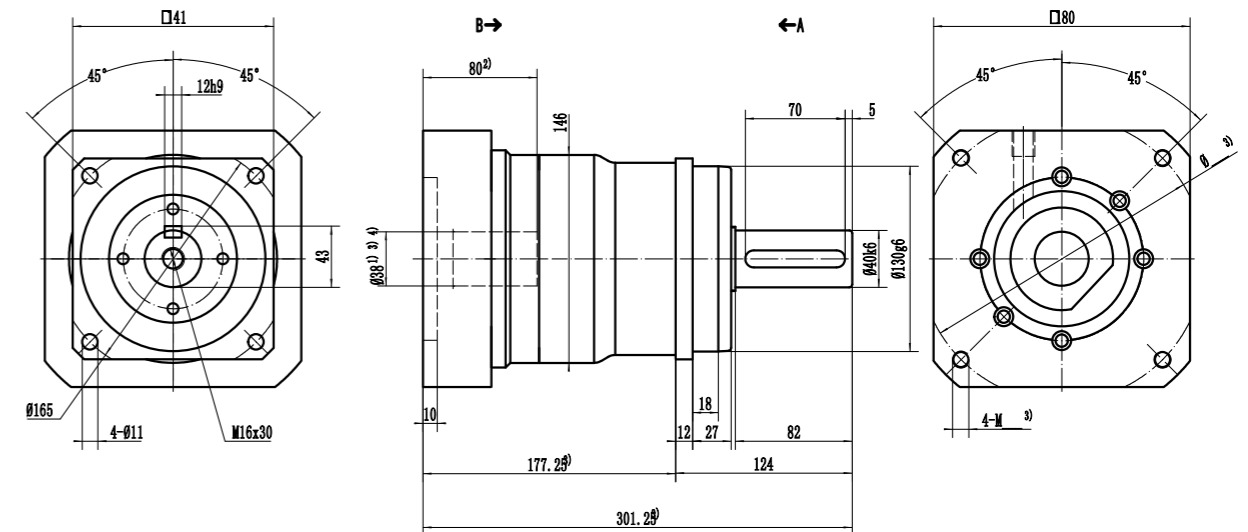
其他疑问请联系客服！

General tolerance is +/- 1mm

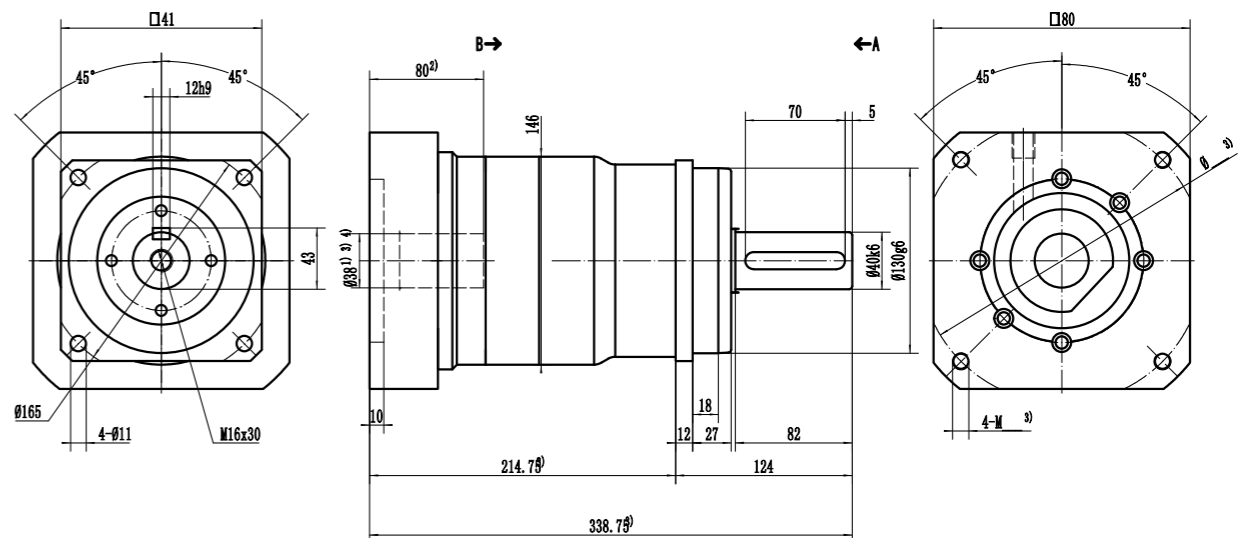
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KSP-140-L1



KSP-140-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

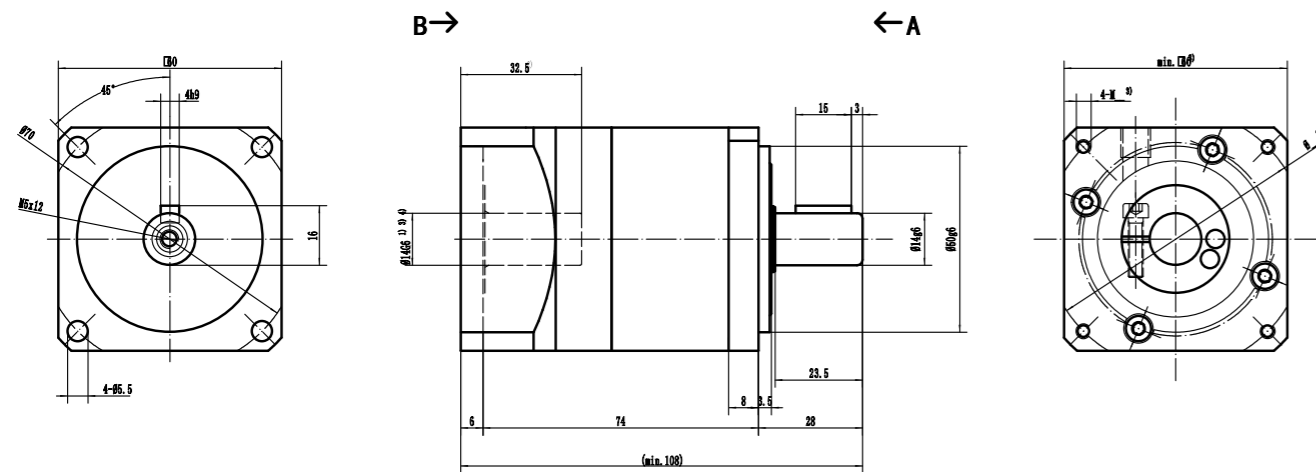
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

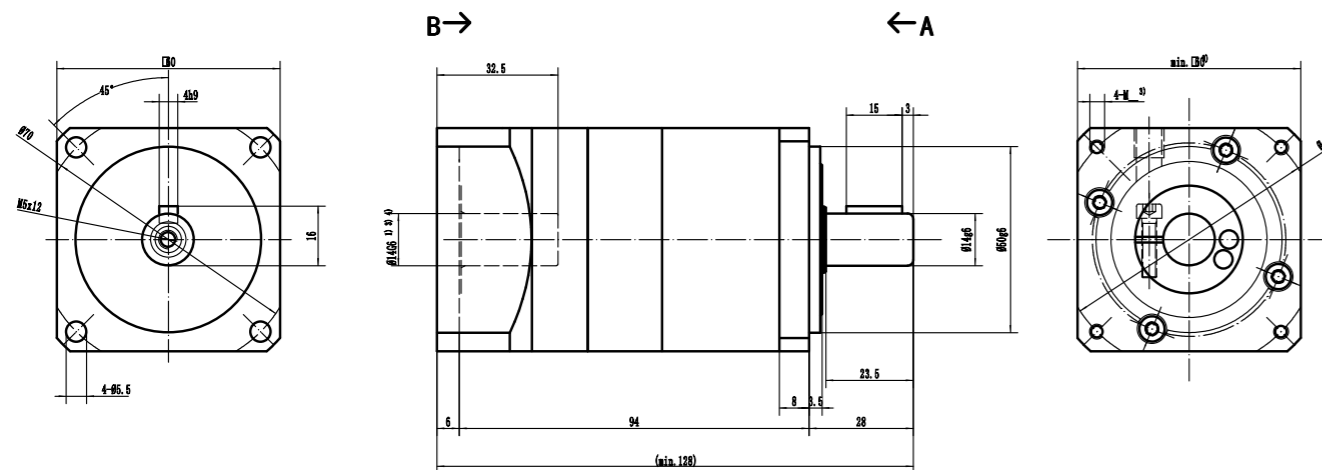


KTS系列(KTS Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KTS060	KTS090	KTS090B	KTS120	KTS120B	KTS142
额定输出扭矩(norminal output torque)T2N	Nm	L1	3	42	110	110	188	188	342
			4	42	113	113	223	223	542
			5	40	118	118	220	220	650
			7	35	96	96	198	198	550
		L2	10	27	68	68	155	155	450
			15	40	109	109	185	185	342
			20	42	116	116	230	230	542
			25	40	123	123	228	228	650
			30	40	108	108	212	212	600
			35	35	100	100	206	206	550
			40	43	117	117	232	232	500
			50	40	123	123	228	228	650
			70	35	100	100	206	206	550
			100	27	70	70	162	162	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(norminal input speed)nIN	rpm	L1*L2	3~100	4000	3600	3600	3600	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	6000	6000	6000	4800	4800	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤5	≤5	≤5	≤5	≤5	≤5
		L2	15~100	≤8	≤8	≤8	≤8	≤8	≤8
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥97	≥97	≥97	≥97	≥97	≥97
		L2	15~100	≥94	≥94	≥94	≥94	≥94	≥94
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	3~100	- 10℃~ + 80℃					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤60	≤64	≤64	≤67	≤67	≤72
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KTS-060-L1



KTS-060-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

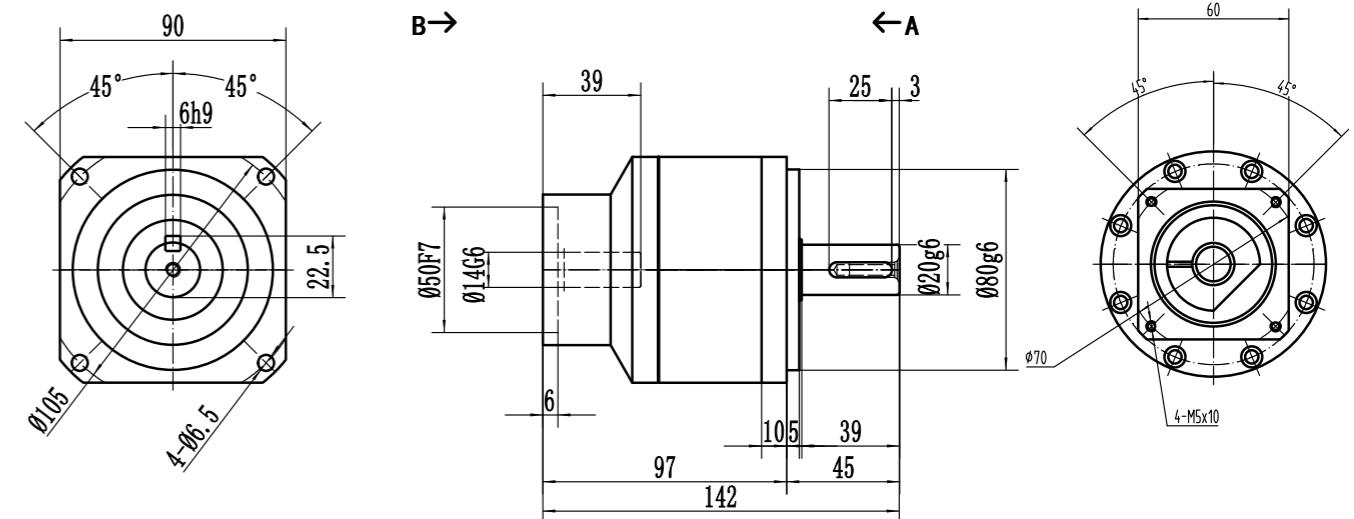
其他疑问请联系客服！

General tolerance is +/- 1mm

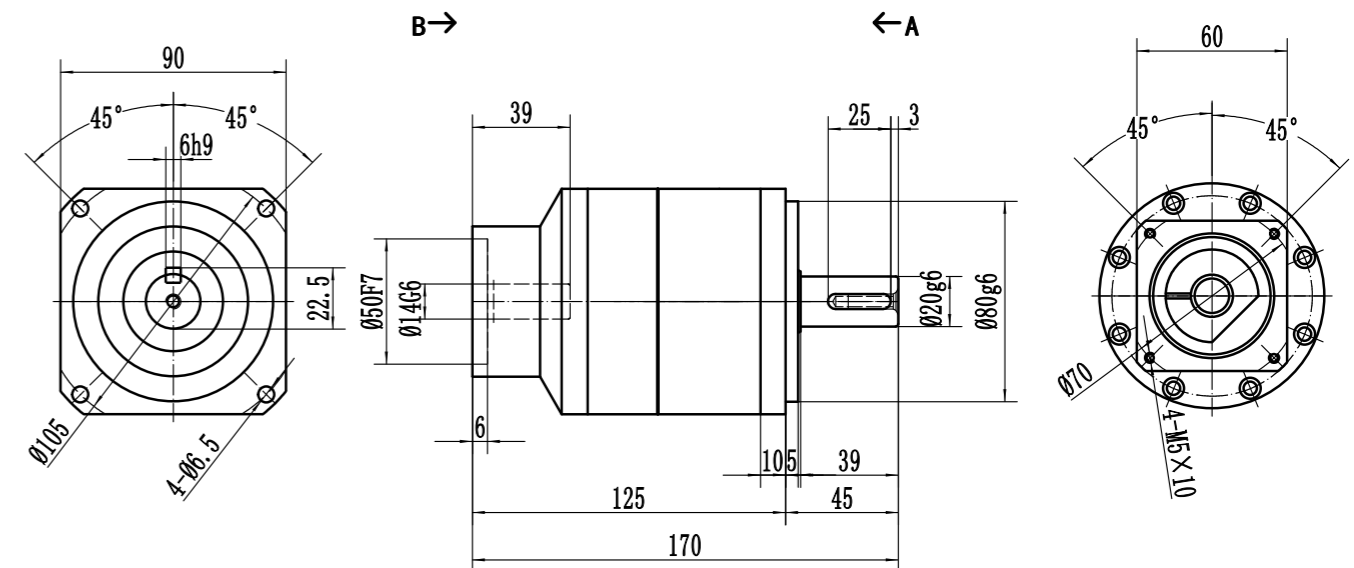
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTS-090B-L1



KTS-090B-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

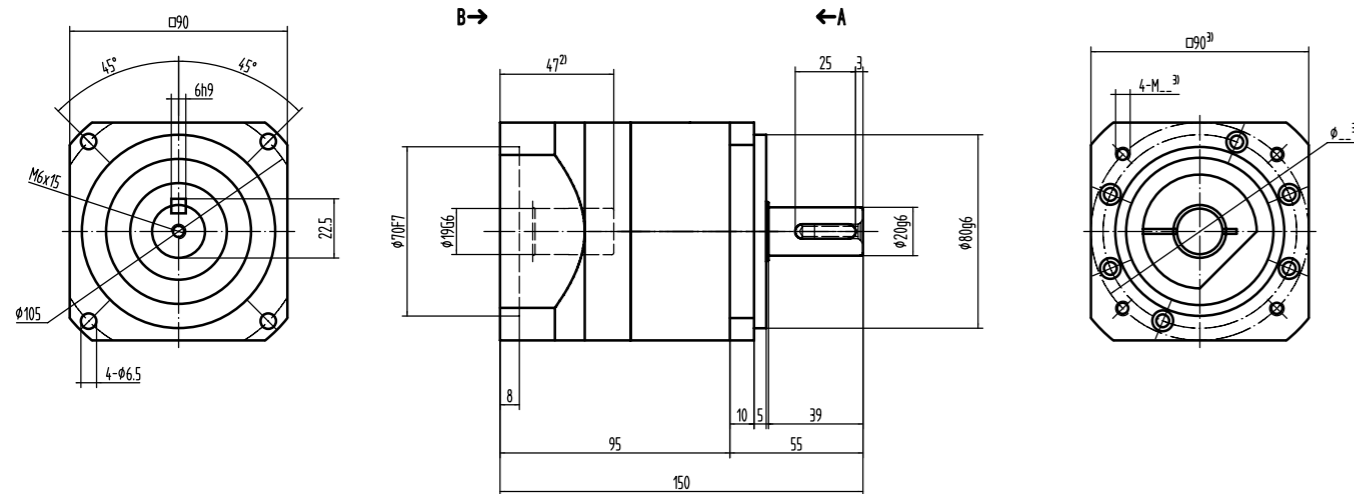
其他疑问请联系客服！

General tolerance is $\pm 1\text{mm}$

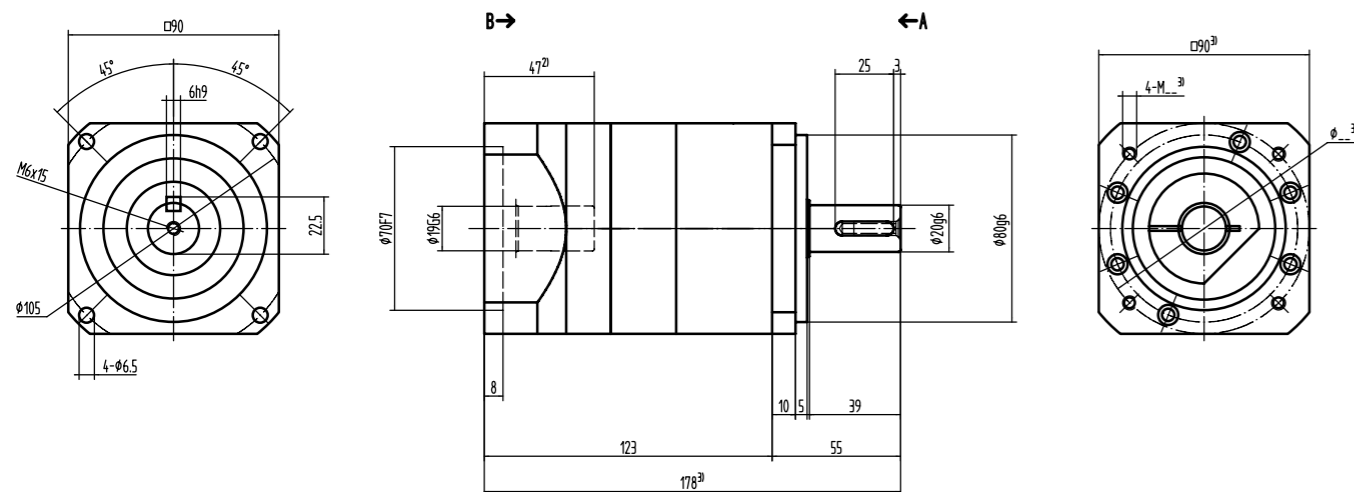
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KTS-090-L1



KTS-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

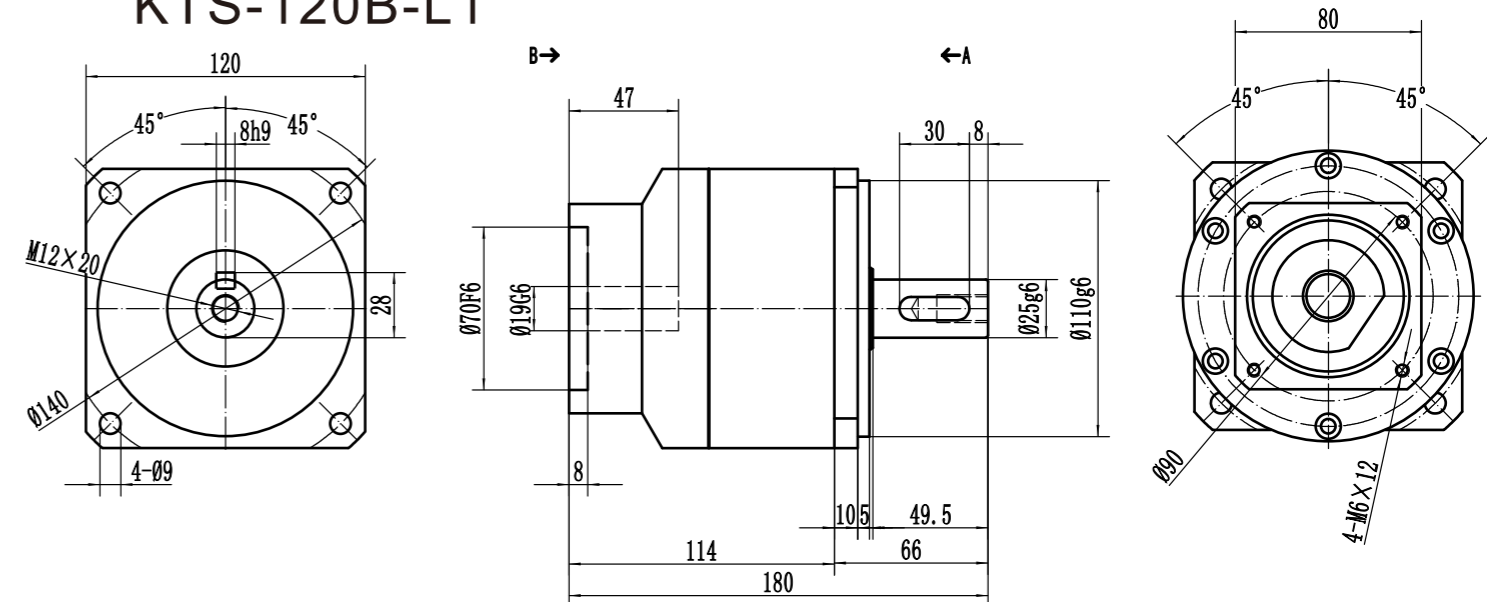
其他疑问请联系客服！

General tolerance is +/- 1mm

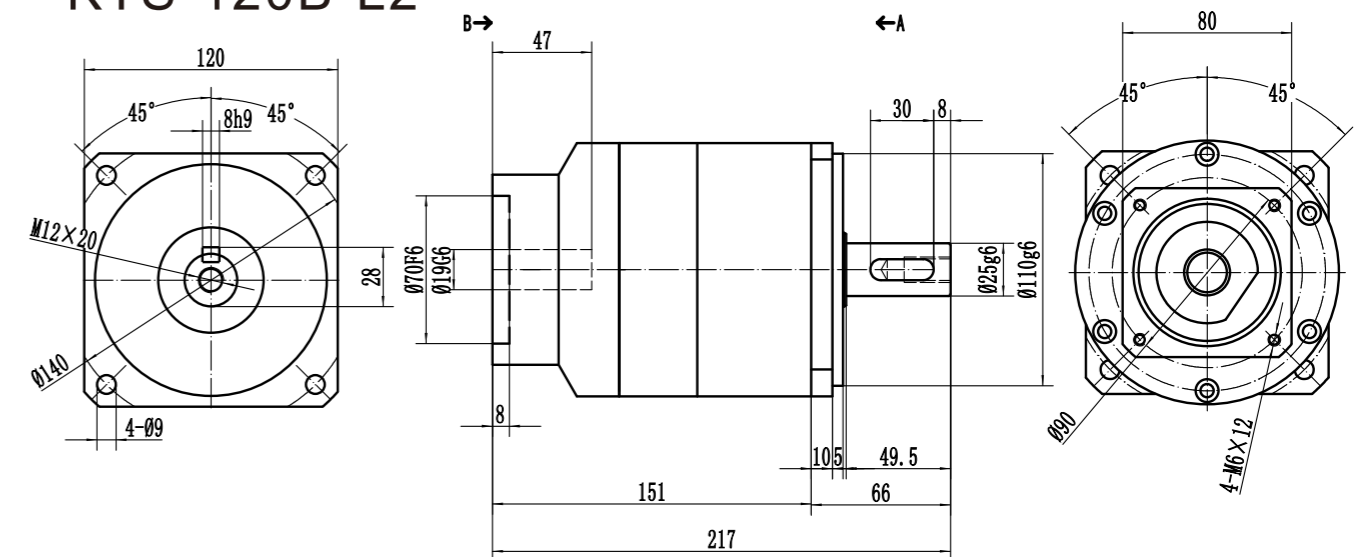
- 1) checking motor shaft diameter
- 2) allowable motor shaft length(for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTS-120B-L1



KTS-120B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

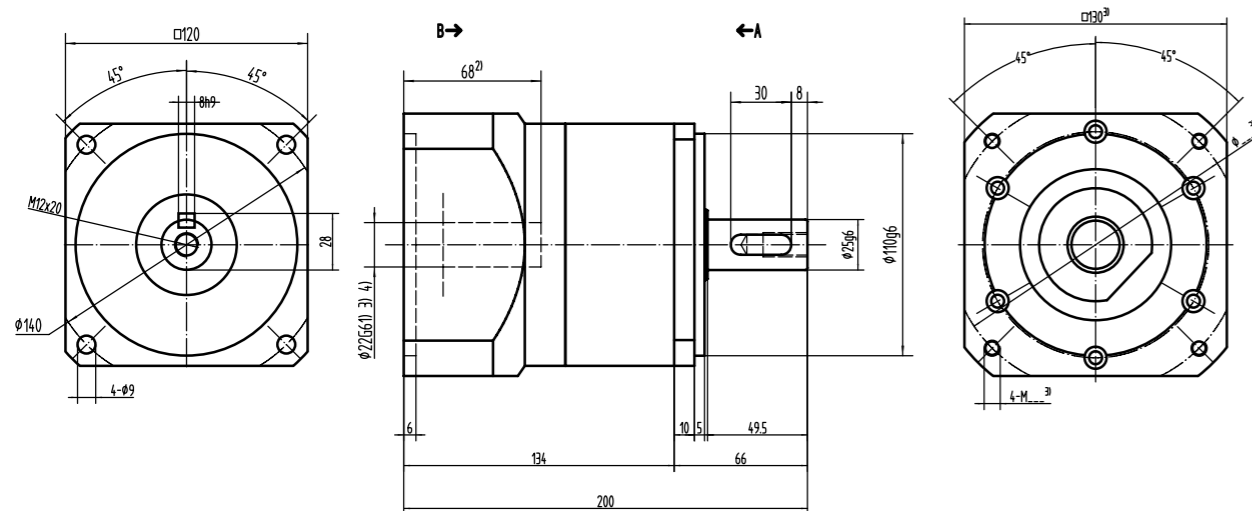
其他疑问请联系客服！

General tolerance is +/- 1mm

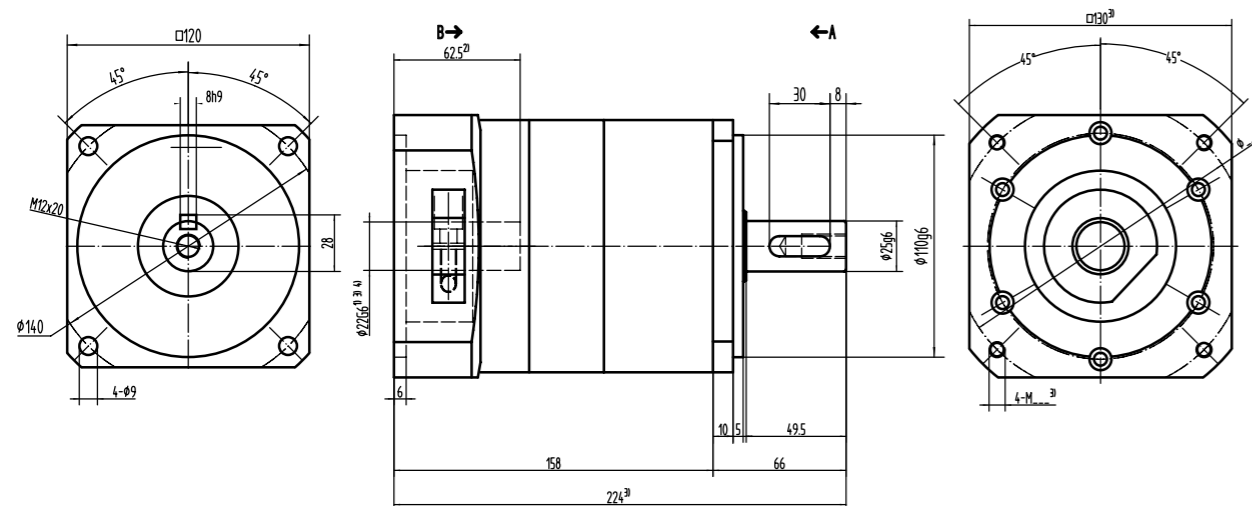
- 1) checking motor shaft diameter
- 2) allowable motor shaft length(for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTS-120-L1



KTS-120-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diameter of motor shaft.

Any other questions,please contact us!



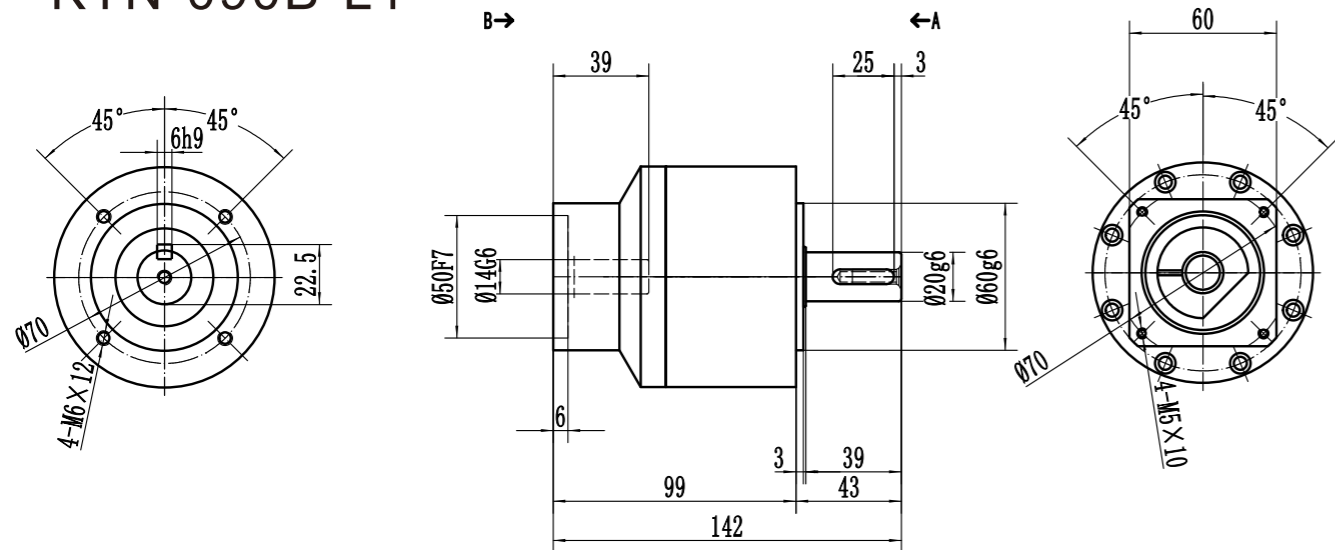
Product Parameters

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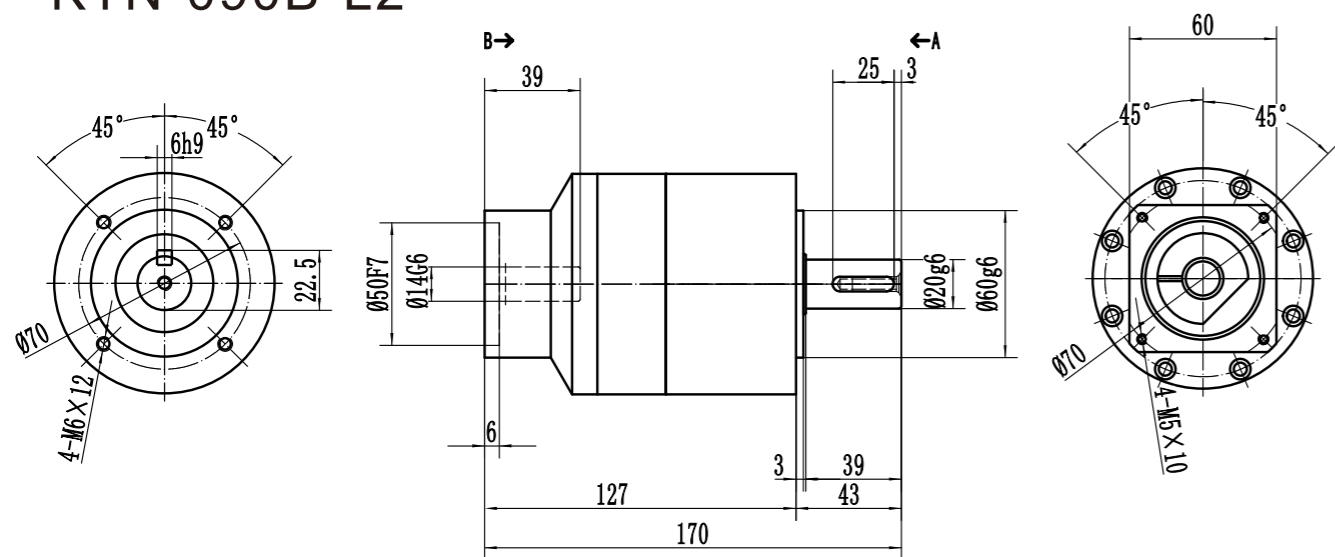
Downloaded from <http://ajph.org/> at University of California, San Diego on June 11, 2015

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KTN-090B-L1



KTN-090B-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

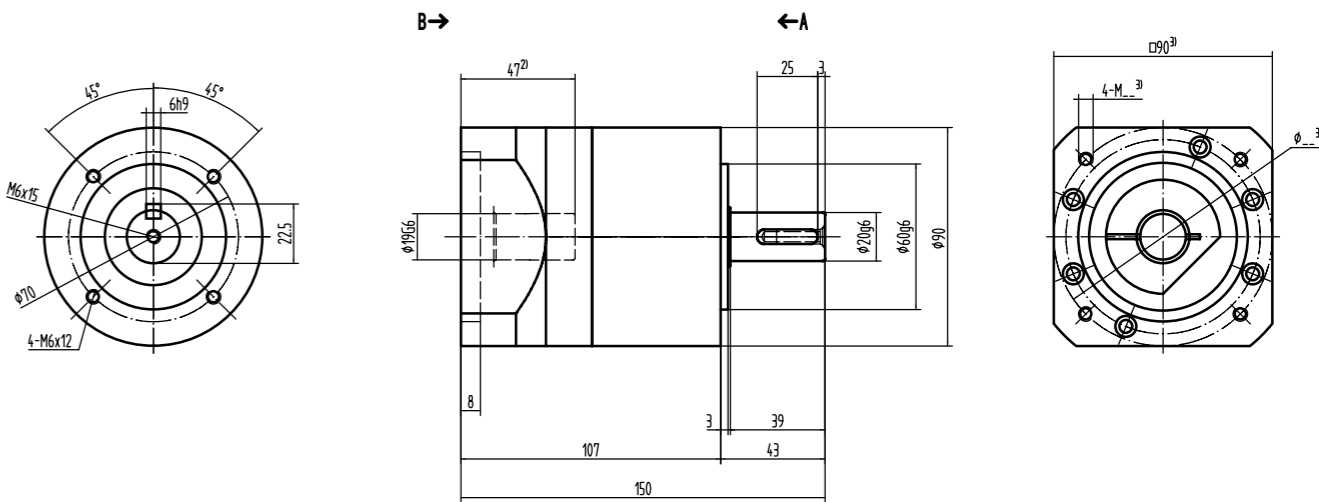
其他疑问请联系客服！

General tolerance is +/- 1mm

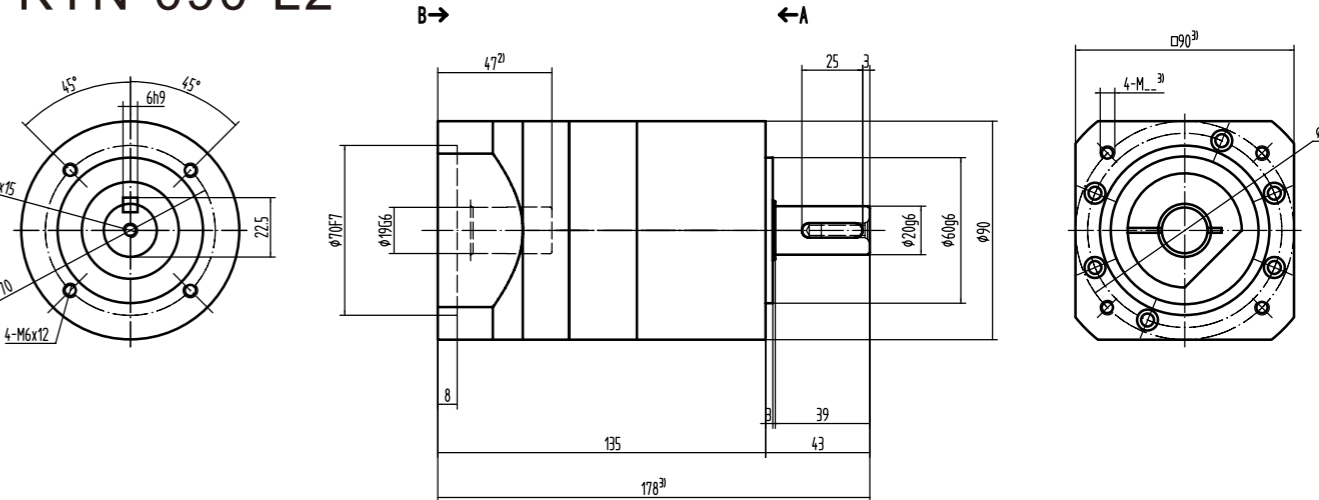
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTN-090-L1



KTN-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

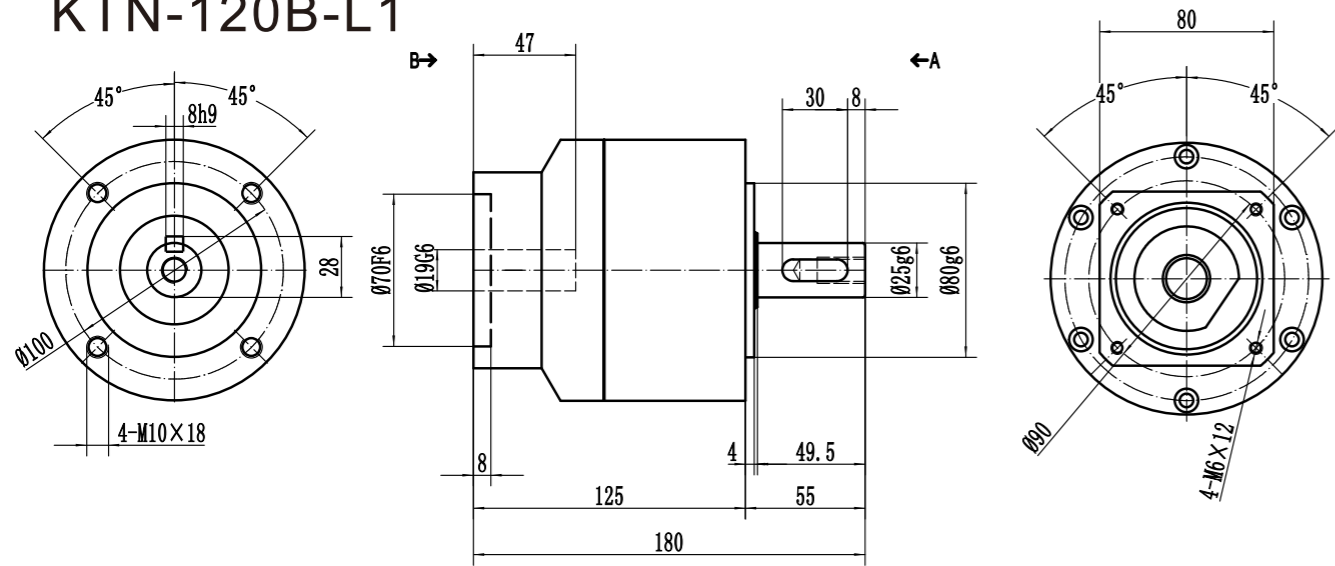
General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
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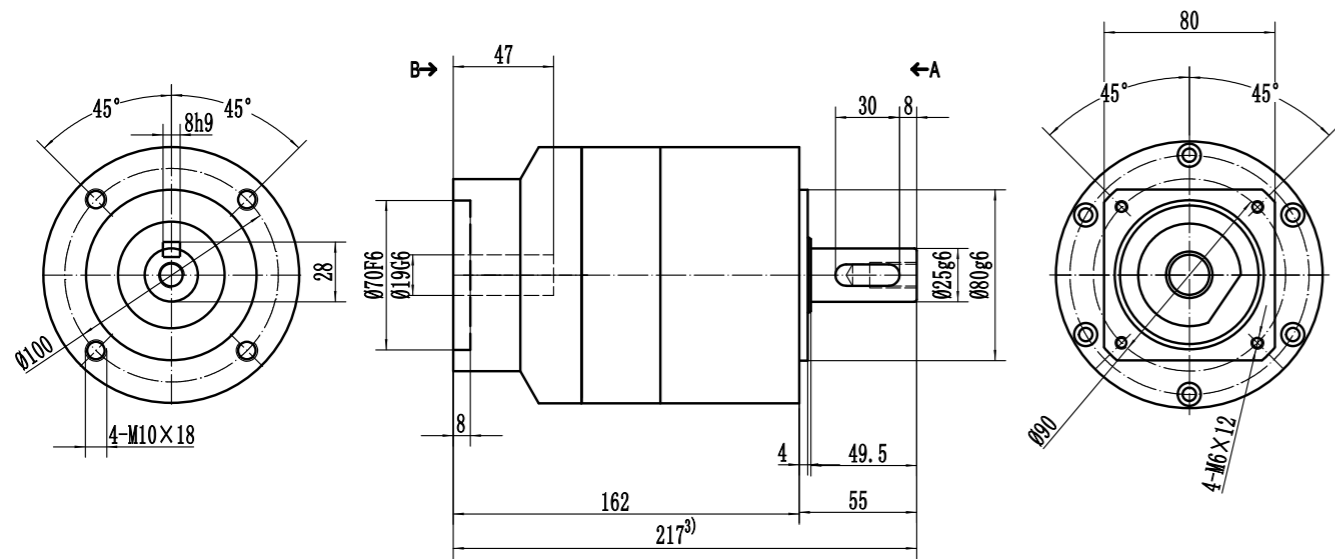
Any other questions, please contact us!

KTN 系列

KTN-120B-L1



KTN-120B-L2



未注公差 ± 1 mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

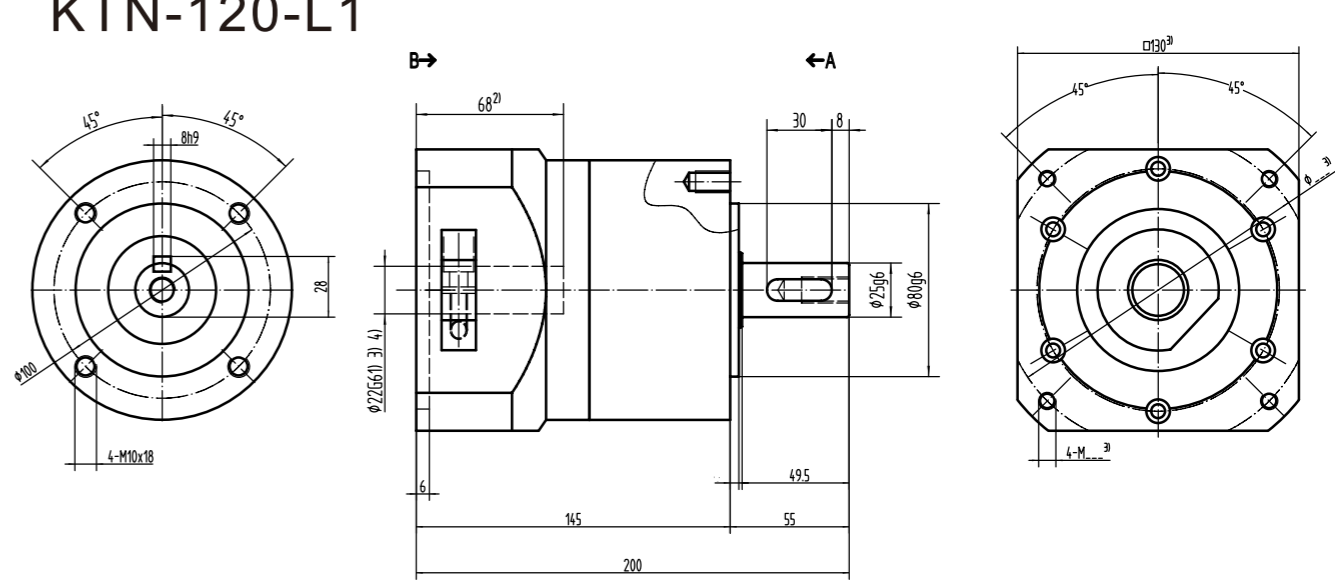
General tolerance is ± 1 mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

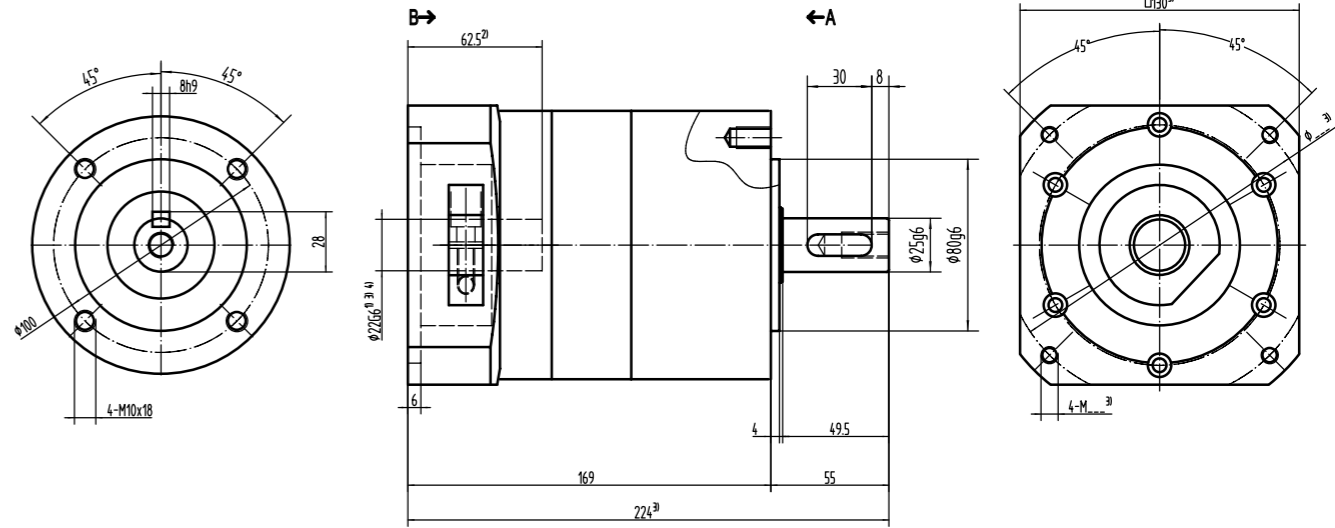
Any other questions, please contact us!

KTN 系列

KTN-120-L1



KTN-120-L2



未注公差 ± 1 mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is ± 1 mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

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生产效率高 简单而方便
Set reliable, precision, durable,
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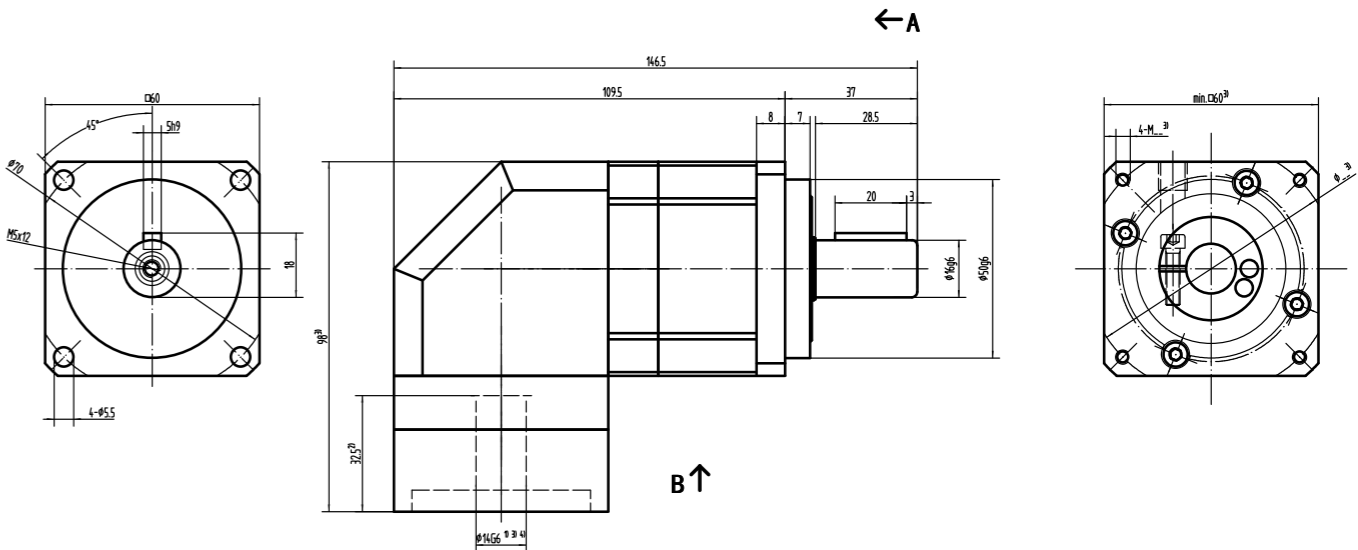
产品参数

Product Parameters

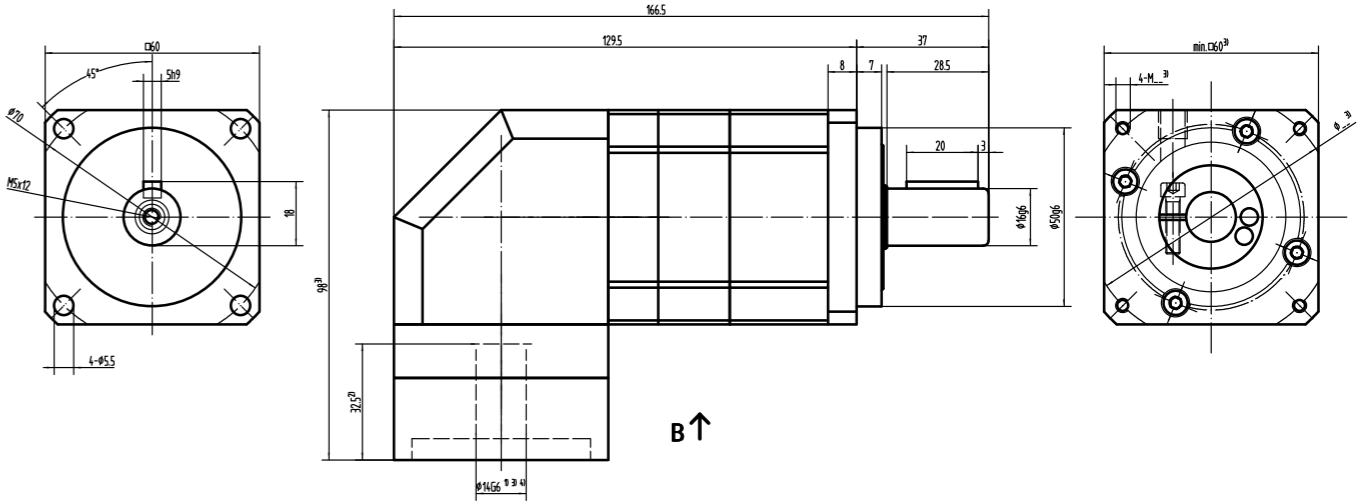
KABR 系列

KABR系列(KABR Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KABR060	KABR090	KABR090B	KABR115	KABR115B	KABR142
额定输出扭矩(norminal output torque)T2N	Nm	L1	3	36	90	90	195	195	342
			4	48	120	120	260	260	520
			5	60	150	150	325	325	650
			7	50	140	140	300	300	550
		L2	10	40	100	100	230	230	450
			15	36	90	90	300	300	342
			20	48	110	110	230	230	450
			25	60	150	150	325	325	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	100	100	260	260	500
			50	60	160	160	230	230	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of norminal output torque					
额定输入转速(norminal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤7	≤7	≤7	≤7	≤7	≤7
		L2	15~100	≤10	≤10	≤10	≤10	≤10	≤10
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	15~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	°C	L1*L2	3~100	- 10°C ~ + 80°C					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤64	≤67	≤67	≤70	≤70	≤74
转动惯量(Moment of Inertia)J1	kg.cm ²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
		L2	10	0.13	0.44	0.44	2.57	2.57	7.14
			15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KABR-060-L1



KABR-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

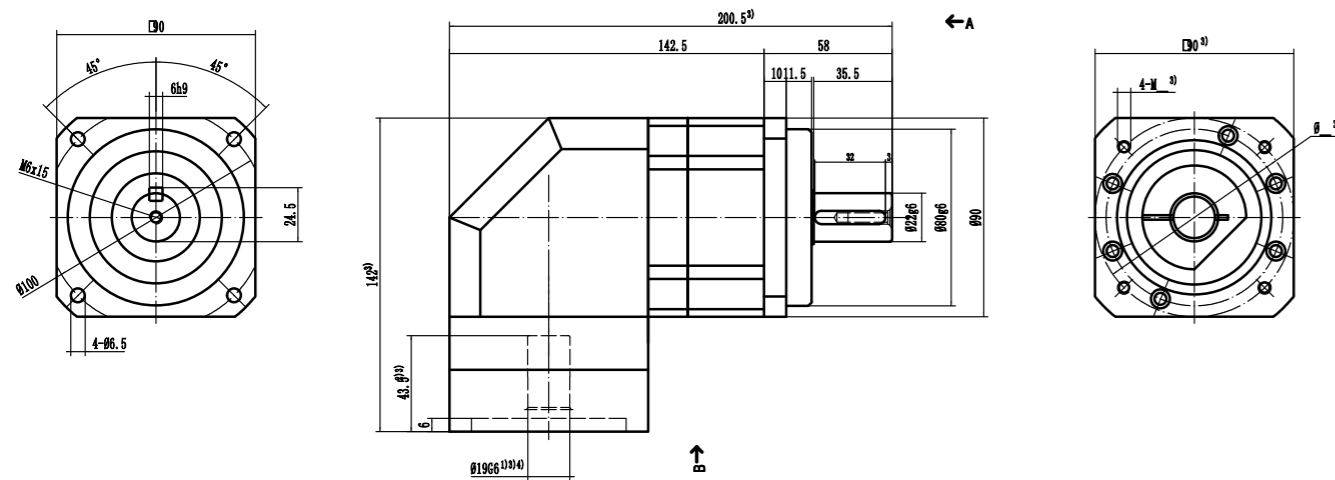
其他疑问请联系客服！

General tolerance is +/- 1mm

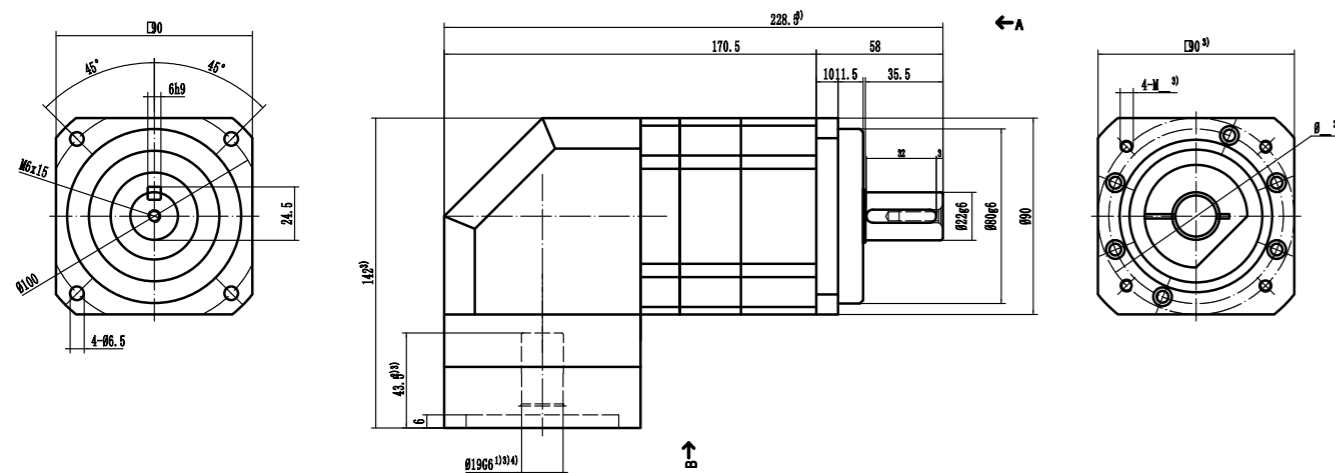
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KABR-090-L1



KABR-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

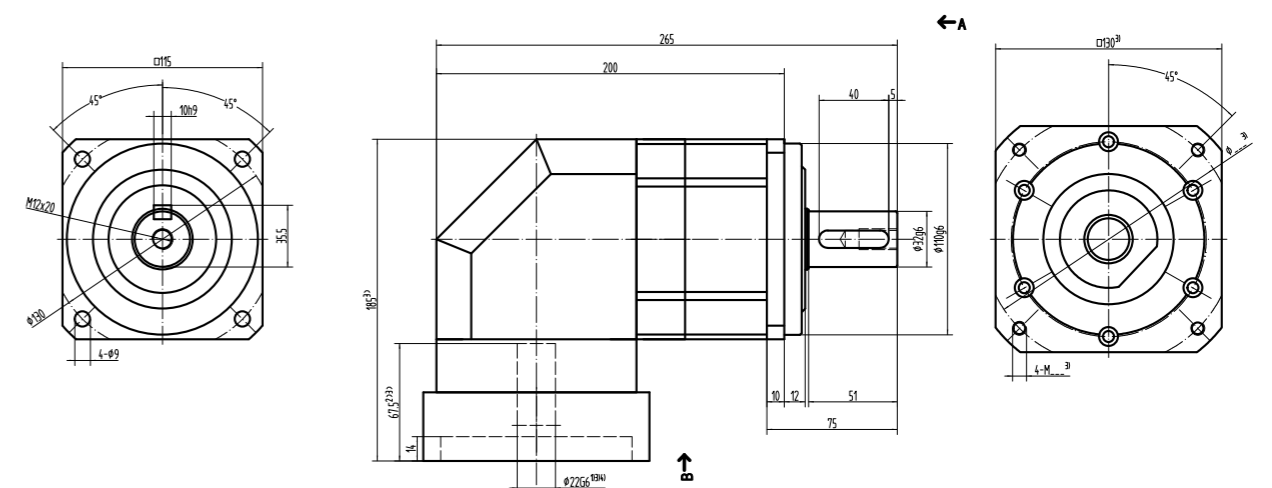
其他疑问请联系客服！

General tolerance is +/- 1mm

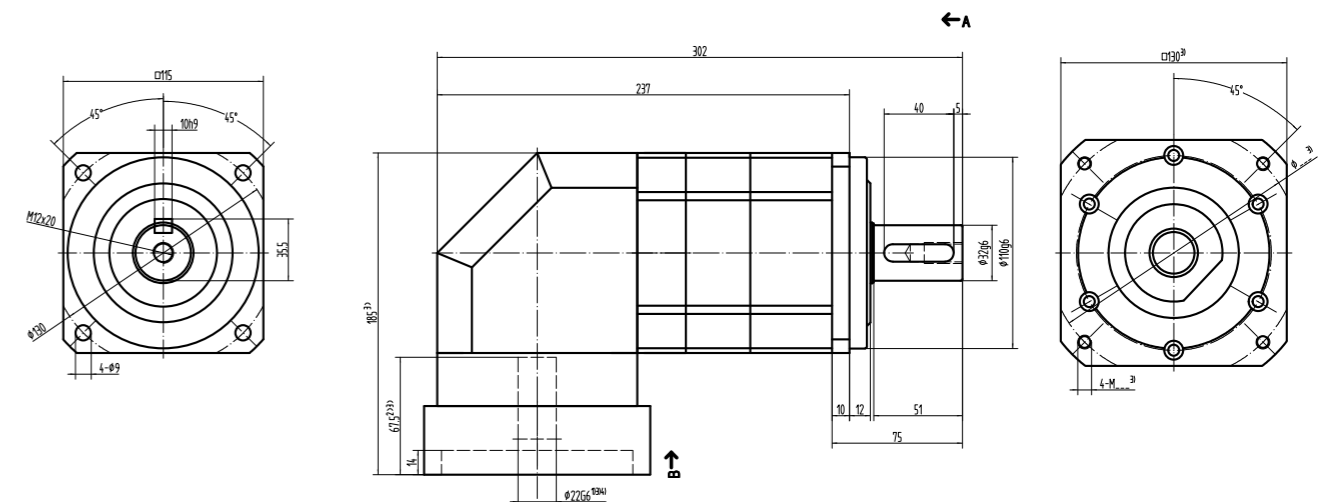
- 1) checking motor shaft diameter
- 2) allowable motor shaft length(for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KABR-115-L1



KABR-115-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

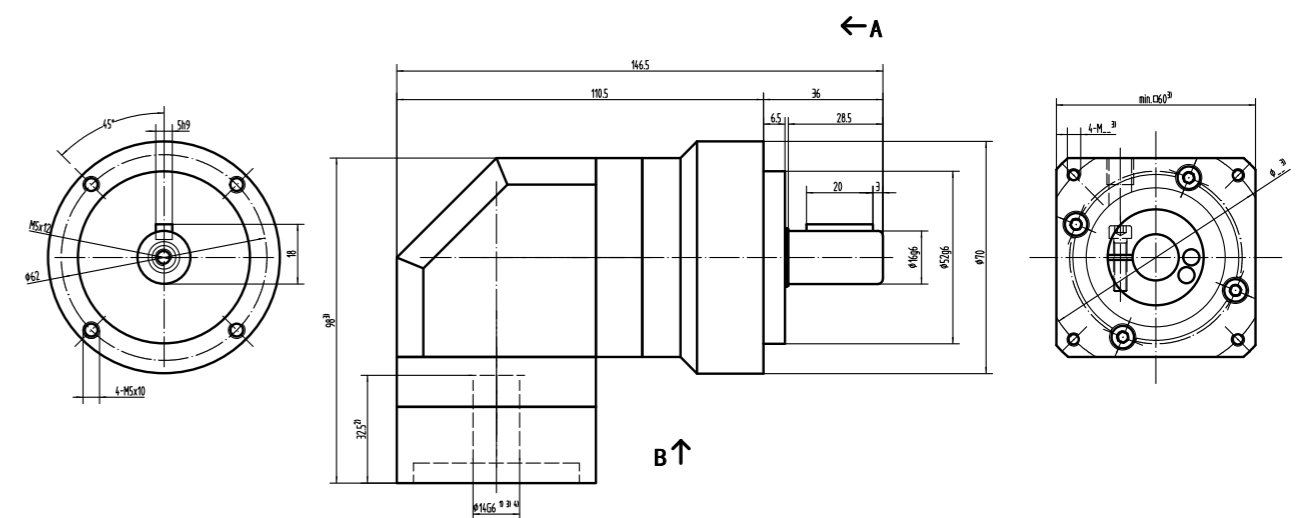
General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length(for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

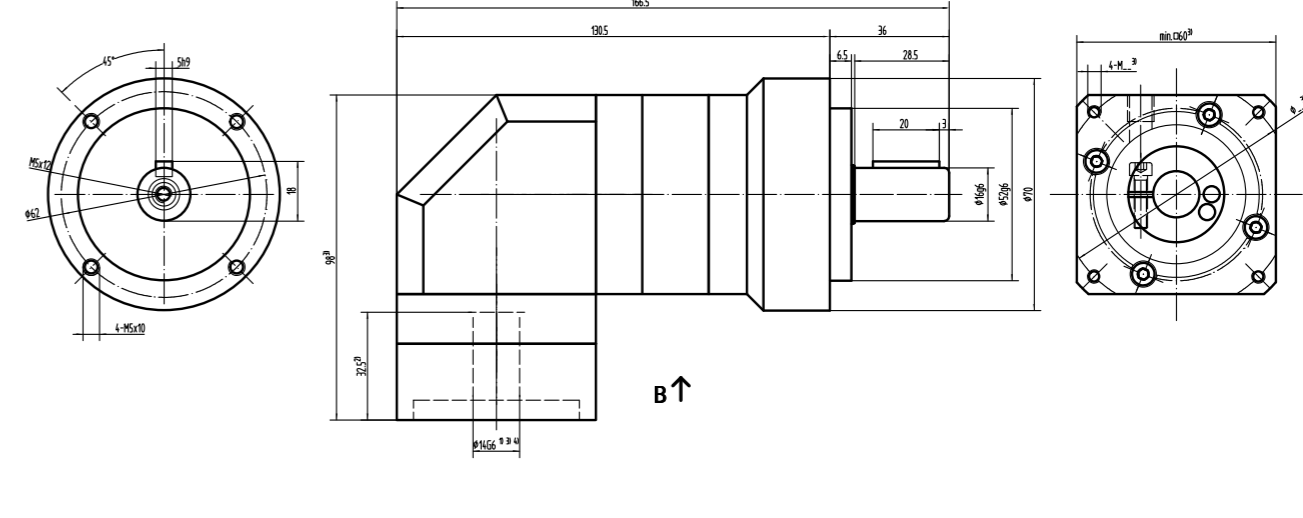
Any other questions, please contact us!

KAER系列(KAER Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KAER060	KAER090	KAER090B	KAER120	KAER120B	KAER150
额定输出扭矩(normal output torque)T2N	Nm	L1	3	36	90	90	195	195	342
			4	48	120	120	260	260	520
			5	60	150	150	325	325	650
			7	50	140	140	300	300	550
		L2	10	40	100	100	230	230	450
			15	36	90	90	300	300	342
			20	48	110	110	230	230	450
			25	60	150	150	325	325	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	100	100	260	260	500
			50	60	160	160	230	230	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of normal output torque					
额定输入转速(normal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤7	≤7	≤7	≤7	≤7	≤7
		L2	15~100	≤10	≤10	≤10	≤10	≤10	≤10
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	15~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	°C	L1*L2	3~100	- 10°C ~ + 80°C					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤64	≤67	≤67	≤70	≤70	≤74
转动惯量(Moment of Inertia)J1	kg.cm ²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
		L2	10	0.13	0.44	0.44	2.57	2.57	7.14
			15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KAER-060-L1



KAER-060-L2



未注公差±1mm

1) 检查电机轴直径；

2) 允许电机轴长度，如有特殊请与我们联系；

3) 尺寸视电机而定；

4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

1)checking motor shaft diameter

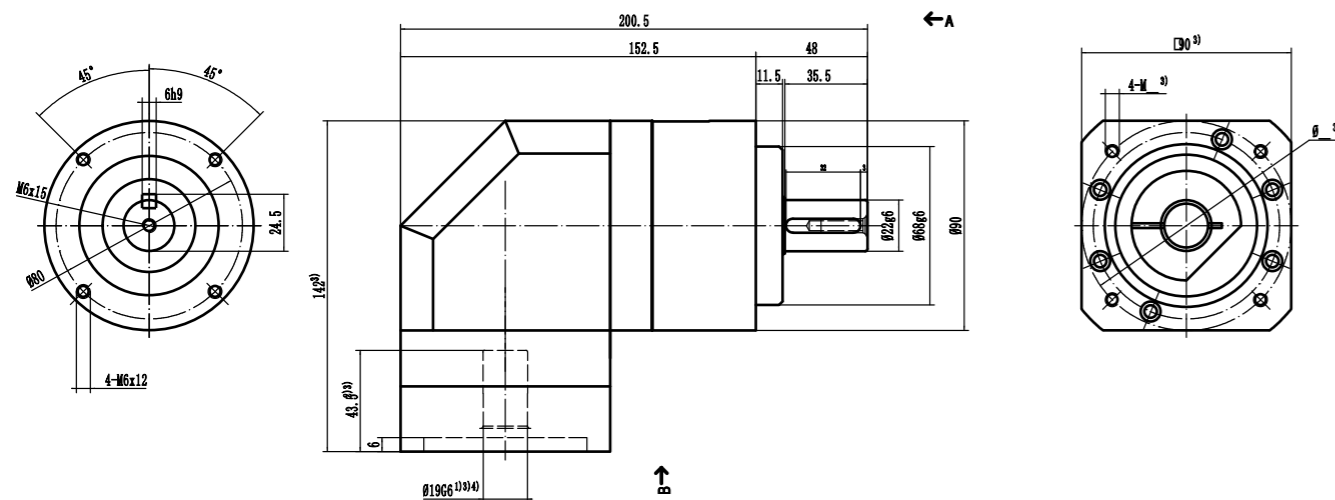
2)allowable motor shaft length(for special length please contact us)

3)input mounting dimensions can be changed for different motor

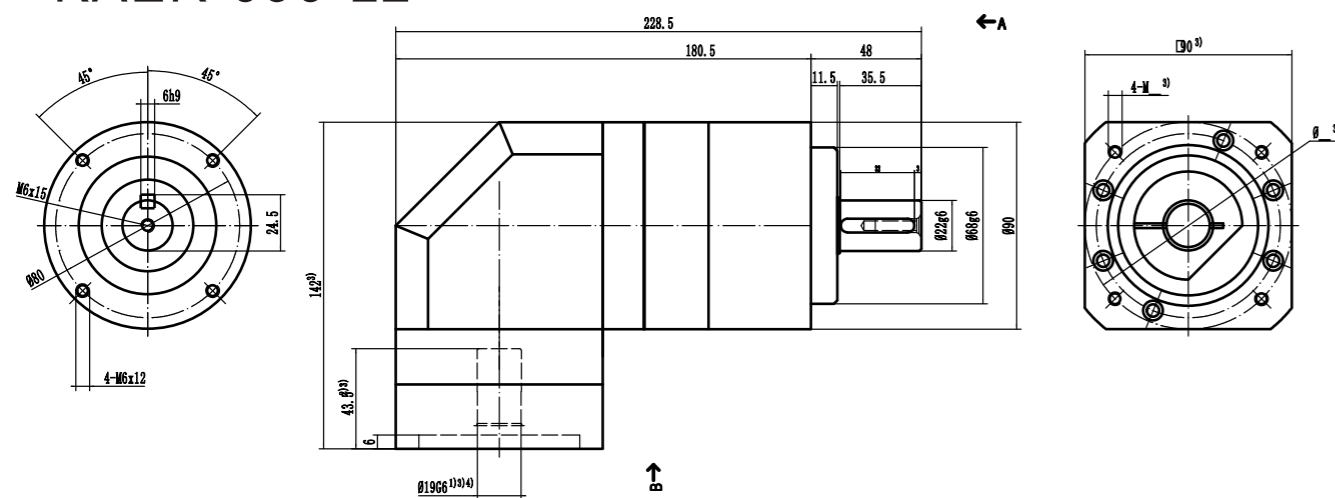
4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KAER-090-L1



KAER-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

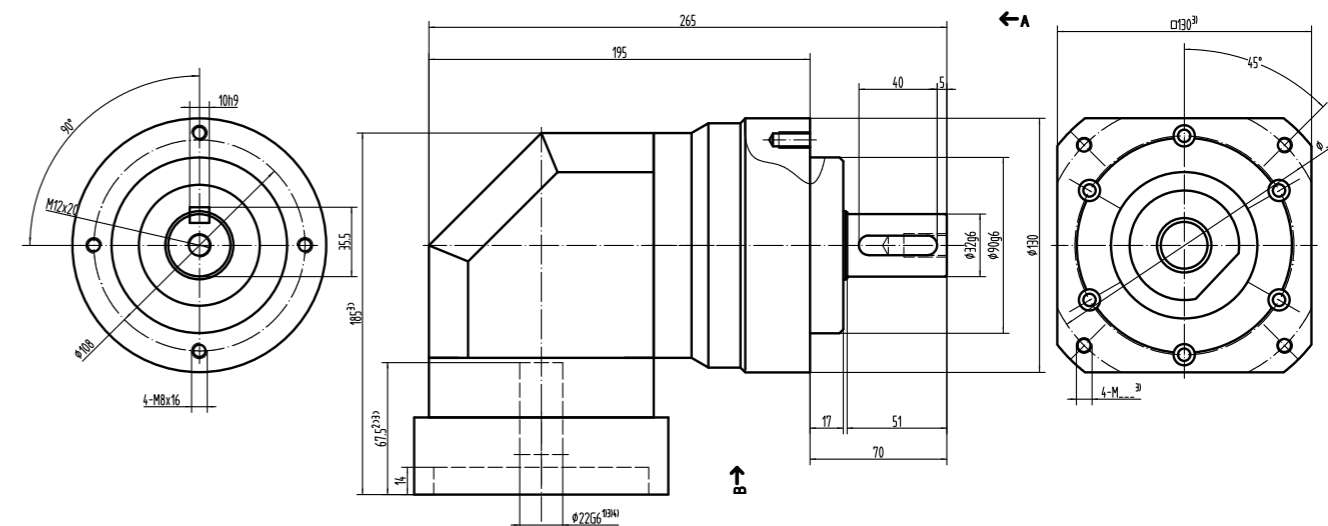
其他疑问请联系客服！

General tolerance is +/- 1mm

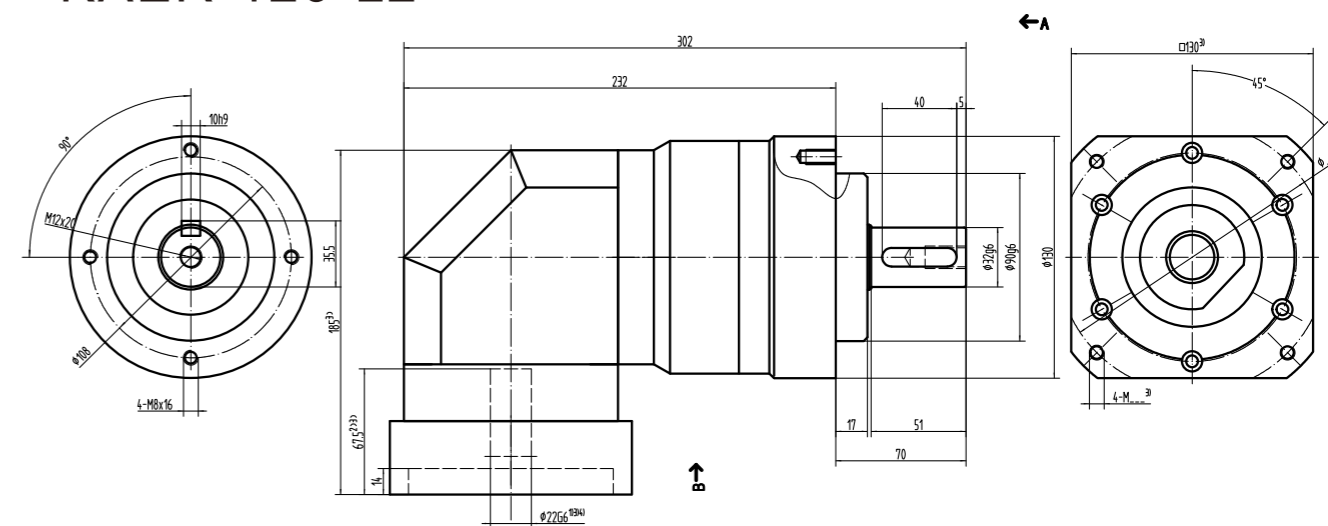
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KAER-120-L1



KAER-120-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

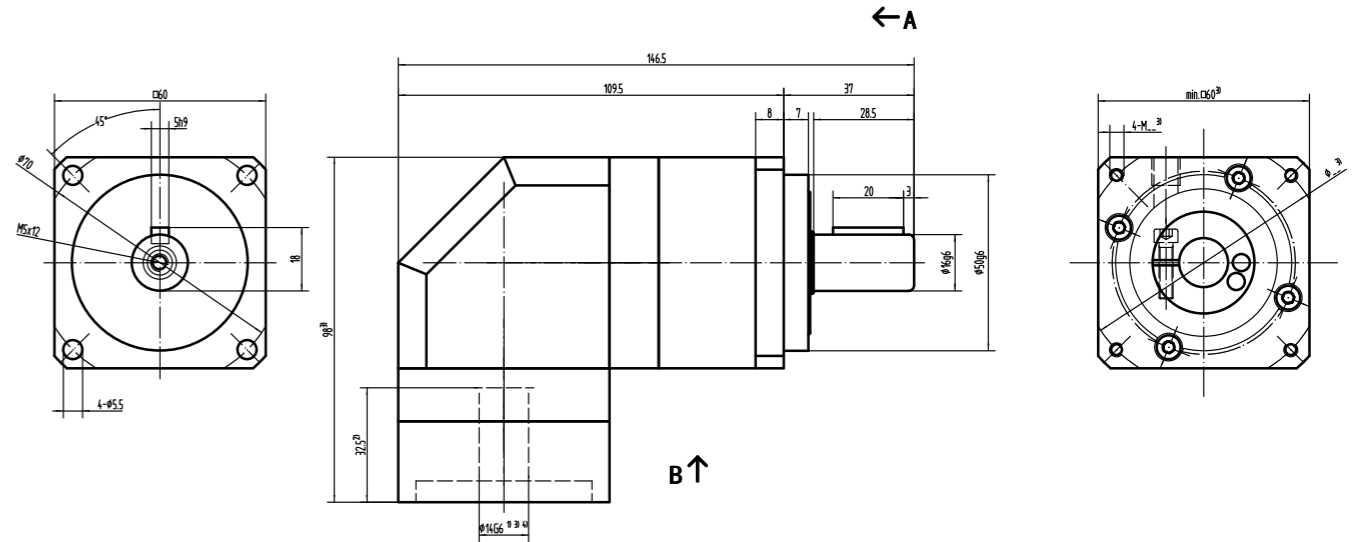
产品参数

Product Parameters

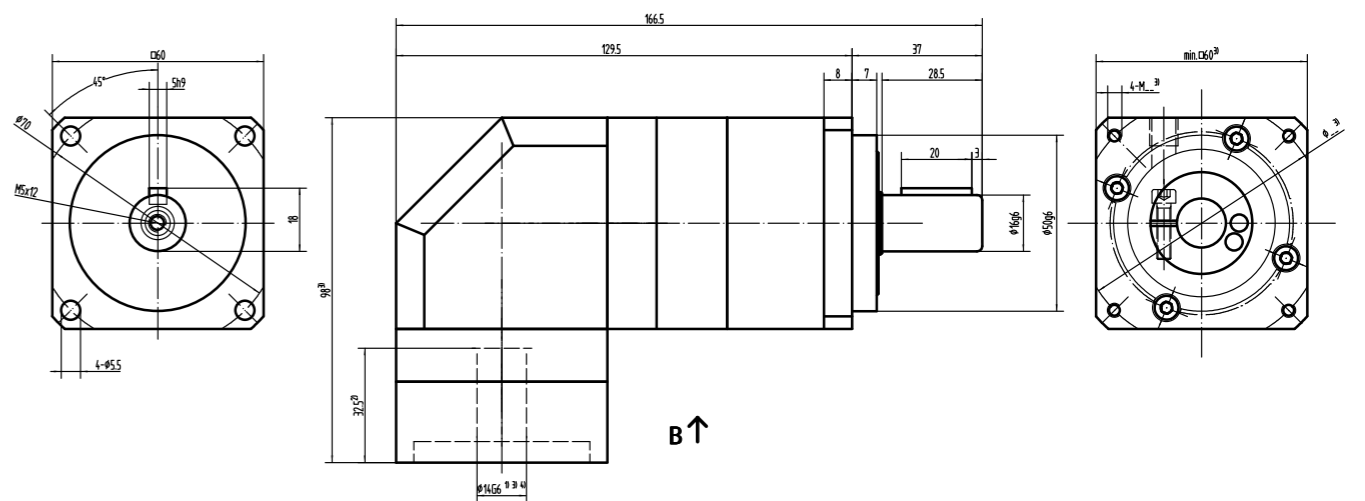
KVBR 系列

KVBR系列(KVBR Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KVBR060	KVBR090	KVBR090B	KVBR120	KVBR120B	KVBR150
额定输出扭矩(nominal output torque)T2N	Nm	L1	3	36	90	90	195	195	342
			4	48	120	120	260	260	520
			5	60	150	150	325	325	650
			7	50	140	140	300	300	550
		L2	10	40	100	100	230	230	450
			15	36	90	90	300	300	342
			20	48	110	110	230	230	450
			25	60	150	150	325	325	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	100	100	260	260	500
			50	60	160	160	230	230	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤7	≤7	≤7	≤7	≤7	≤7
		L2	15~100	≤10	≤10	≤10	≤10	≤10	≤10
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	15~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	°C	L1*L2	3~100	- 10°C ~ + 80°C					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤64	≤67	≤67	≤70	≤70	≤74
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
		L2	10	0.13	0.44	0.44	2.57	2.57	7.14
			15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KVBR-060-L1



KVBR-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

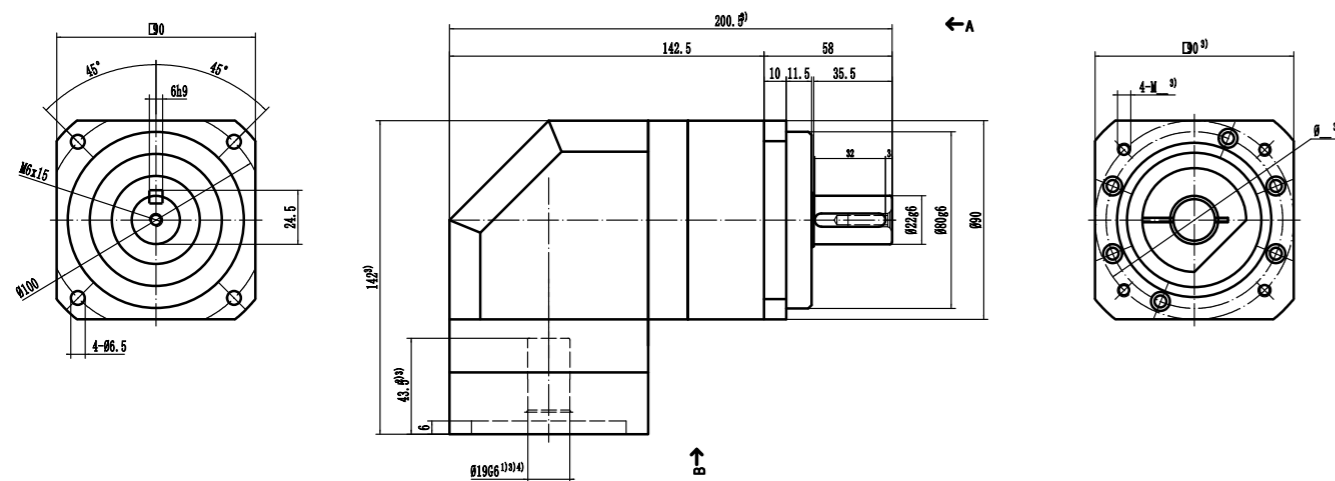
其他疑问请联系客服！

General tolerance is +/- 1mm

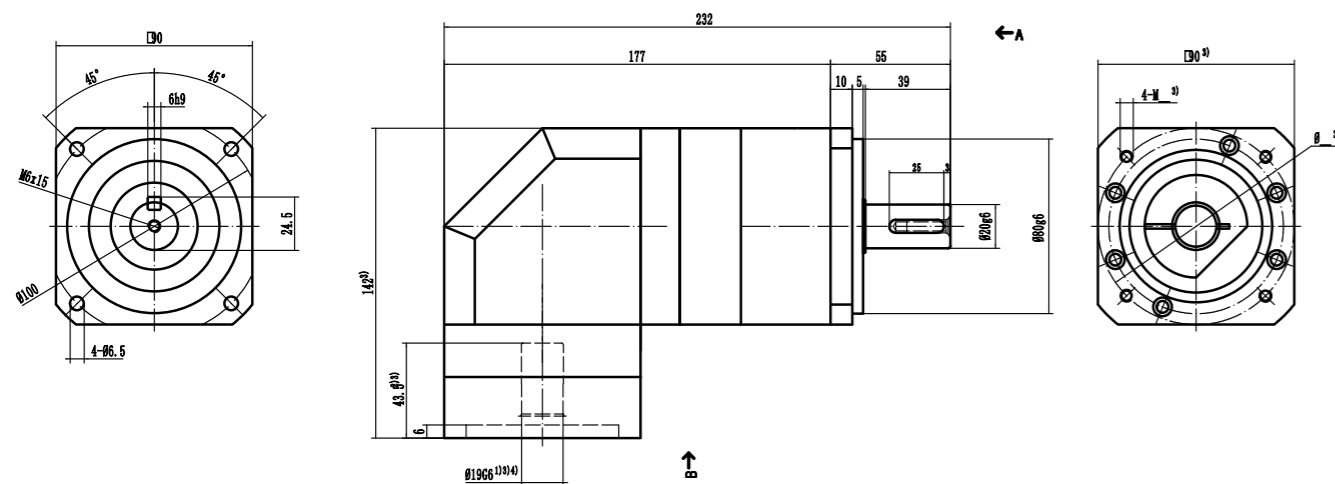
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KVBR-090-L1



KVBR-090-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

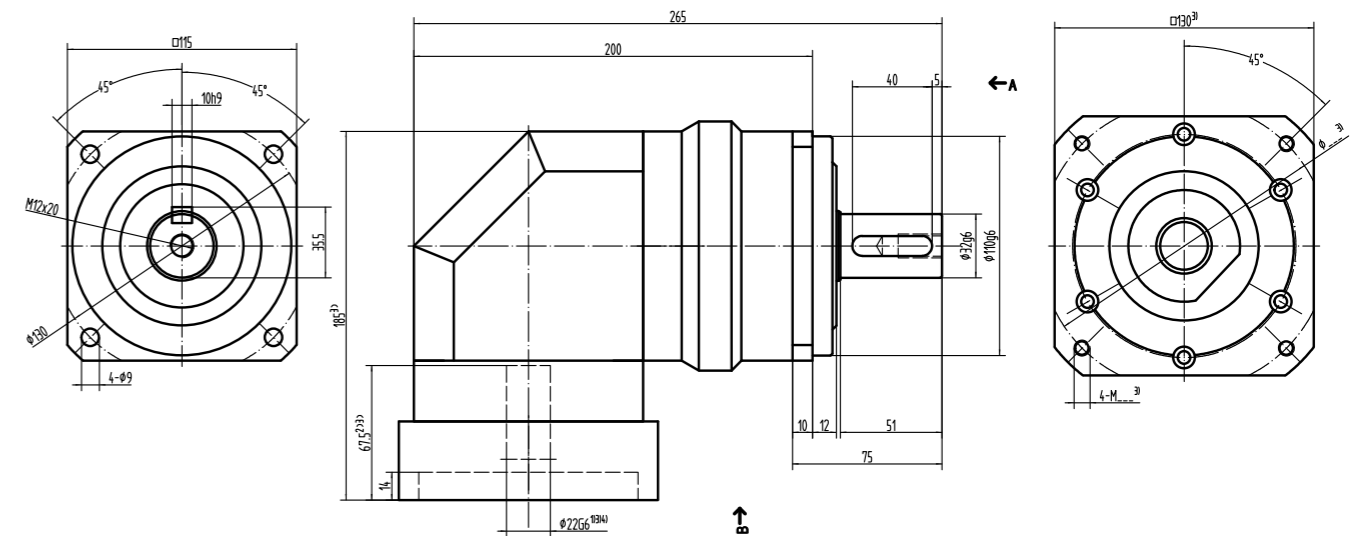
其他疑问请联系客服！

General tolerance is +/- 1mm

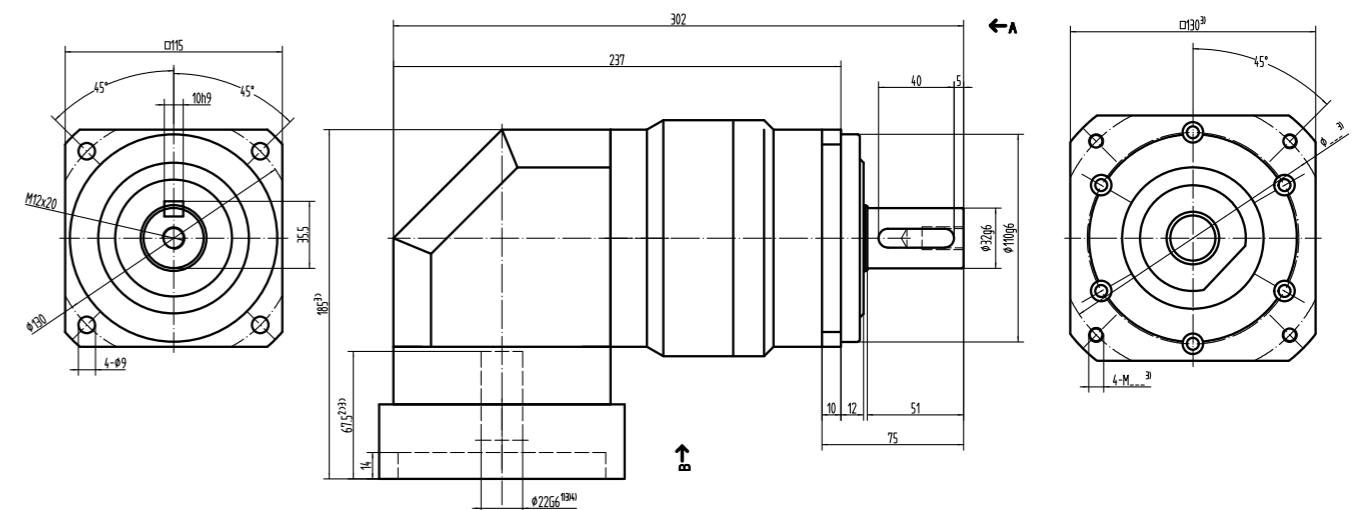
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KVBR-115-L1



KVBR-115-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

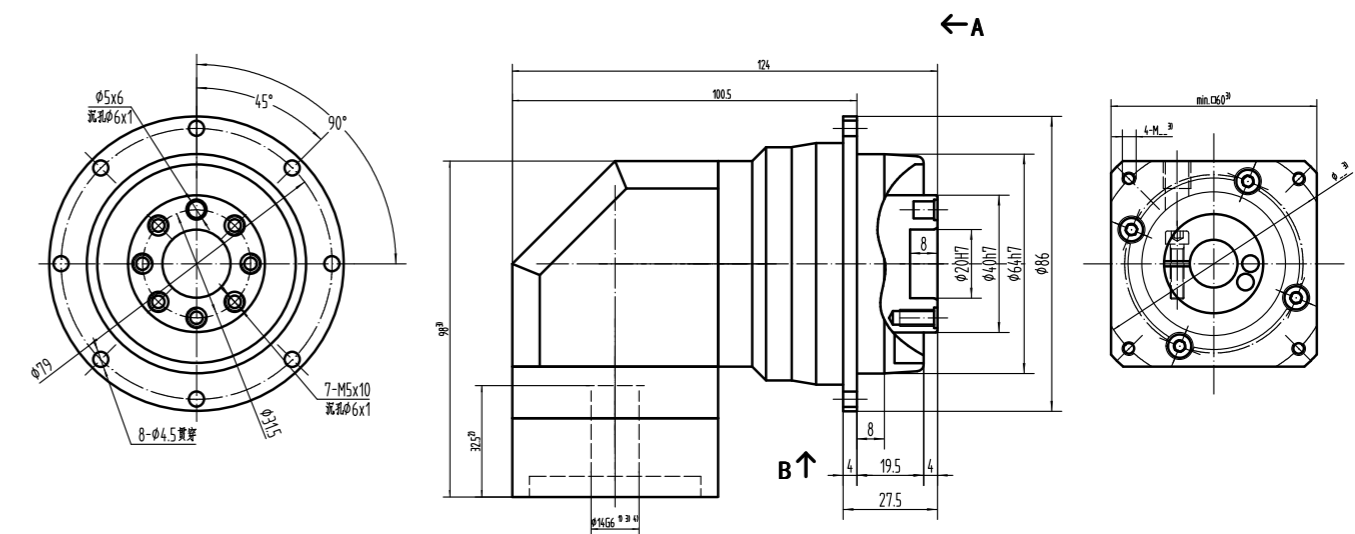
General tolerance is +/- 1mm

- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

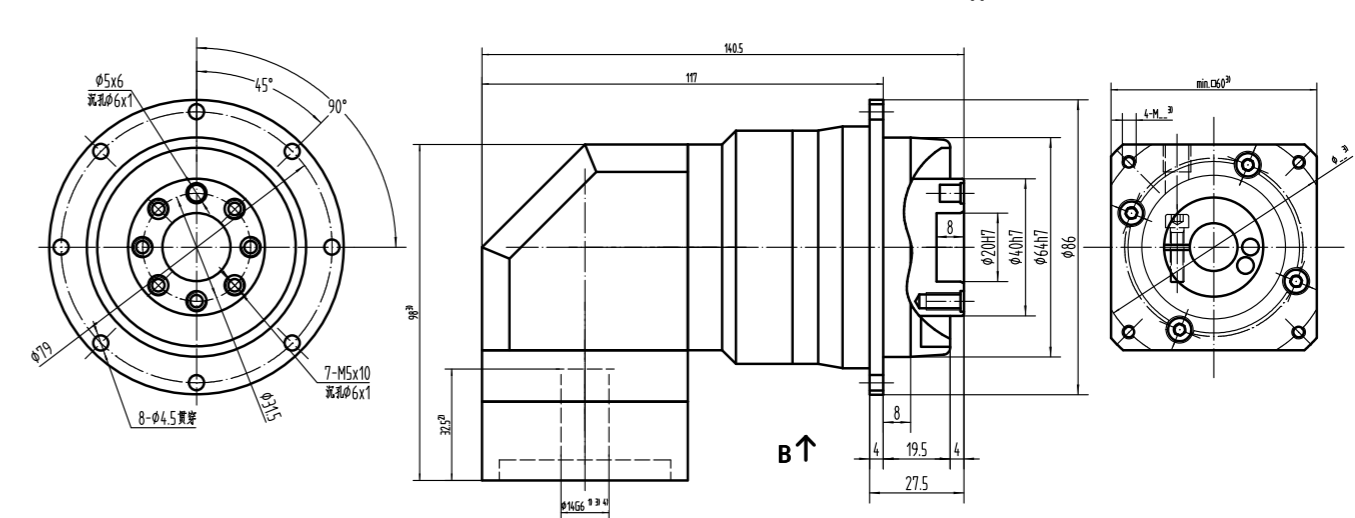
Any other questions, please contact us!

KTPR系列(KTPR Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KTPR064	KTPR090	KTPR090B	KTPR100	KTPR100B	KTPR142
额定输出扭矩(nominal output torque)T2N	Nm	L1	4	50	130	130	270	270	560
			5	60	160	160	330	330	700
			7	50	140	140	300	300	700
			10	40	100	100	230	230	460
		L2	20	50	130	130	270	270	650
			25	60	160	160	330	330	700
			35	50	140	140	300	300	700
			40	45	130	130	270	270	700
			50	60	160	160	330	330	700
			70	50	140	140	300	300	700
			100	40	100	100	230	230	460
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	4~100	2.5倍额定输出扭矩 2.5 times of nominal output torque					
额定输入转速(nominal input speed)nIN	rpm	L1*L2	4~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	4~100	10000	8000	8000	8000	8000	6000
回程标准间隙P2 standard backlash	arcmin	L1	4~100	≤7	≤7	≤7	≤7	≤7	≤7
		L2	20~100	≤10	≤10	≤10	≤10	≤10	≤10
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	4~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	4~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	4~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	4~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	20~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	4~100	≥20000 小时(hour)					
环境温度 operating temperature	℃	L1*L2	4~100	- 10℃ ~ + 80℃					
润滑方式 lubrication		L1*L2	4~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	4~100	IP65					
安装方向 mounting position		L1*L2	4~100	任何方向 All position					
噪音 noise level	dB	L1*L2	4~100	≤64	≤67	≤67	≤70	≤70	≤74
转动惯量(Moment of Inertia)J1	kg.cm ²	L1	4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KTPR-060-L1



KTPR-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

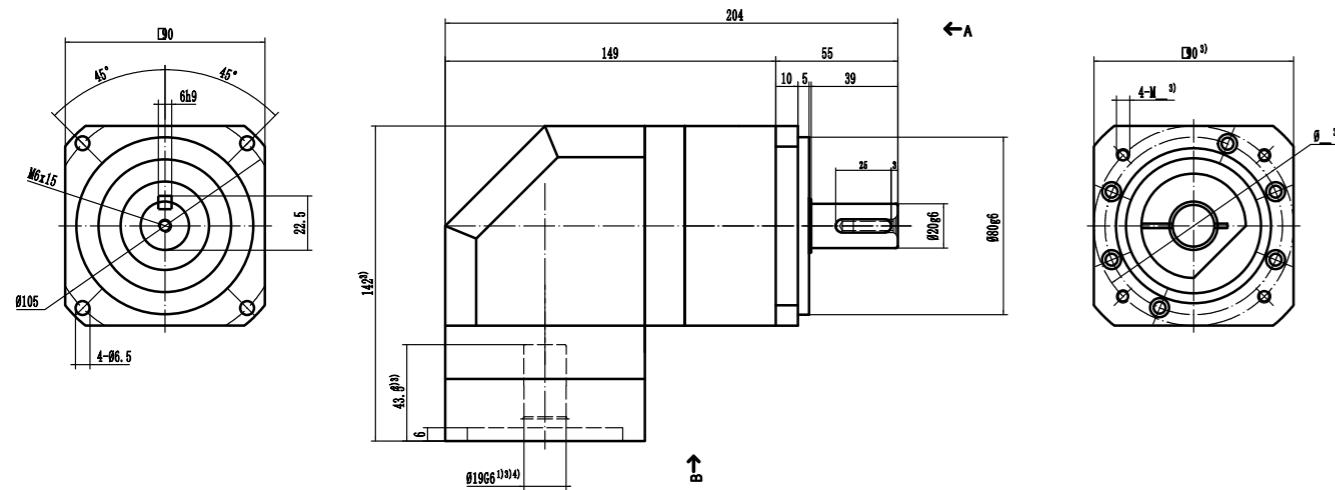
General tolerance is +/- 1mm

- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

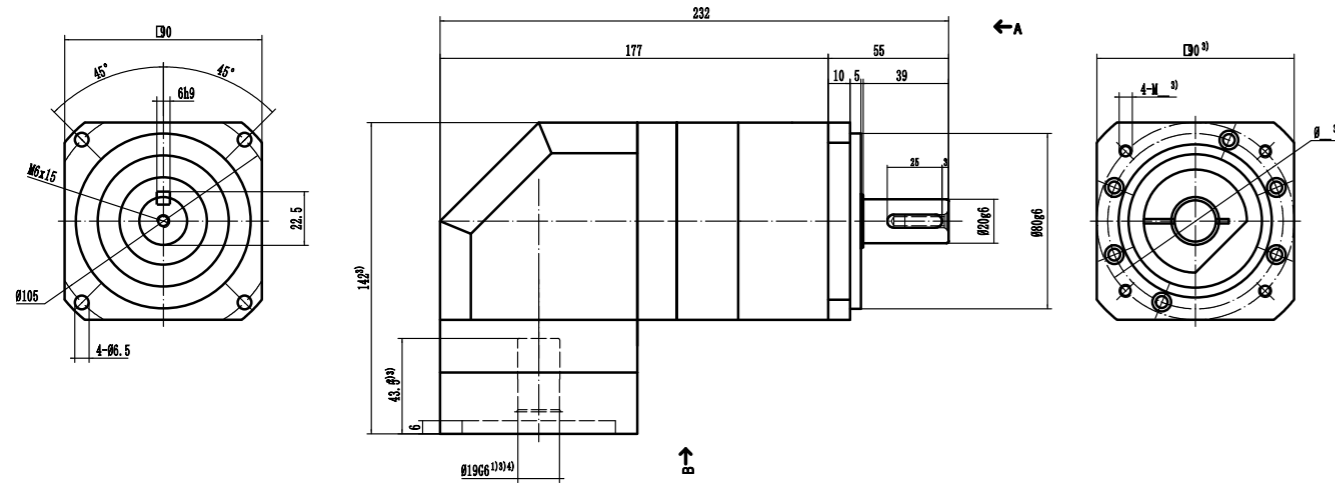
Any other questions,please contact us!

KTPR 系列

KTPR-090-L1



KTPR-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

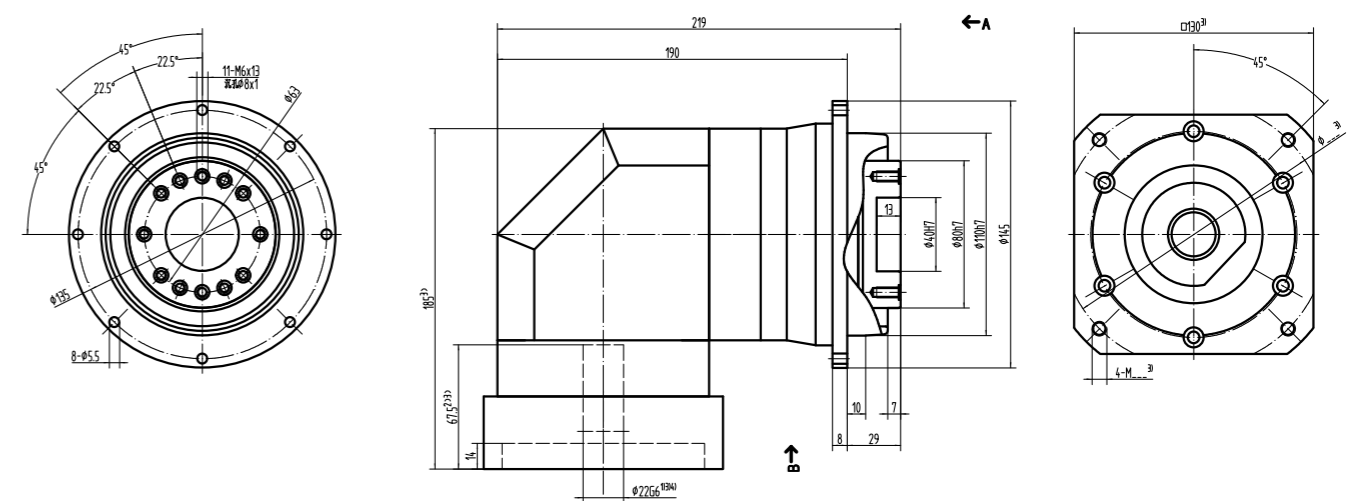
General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

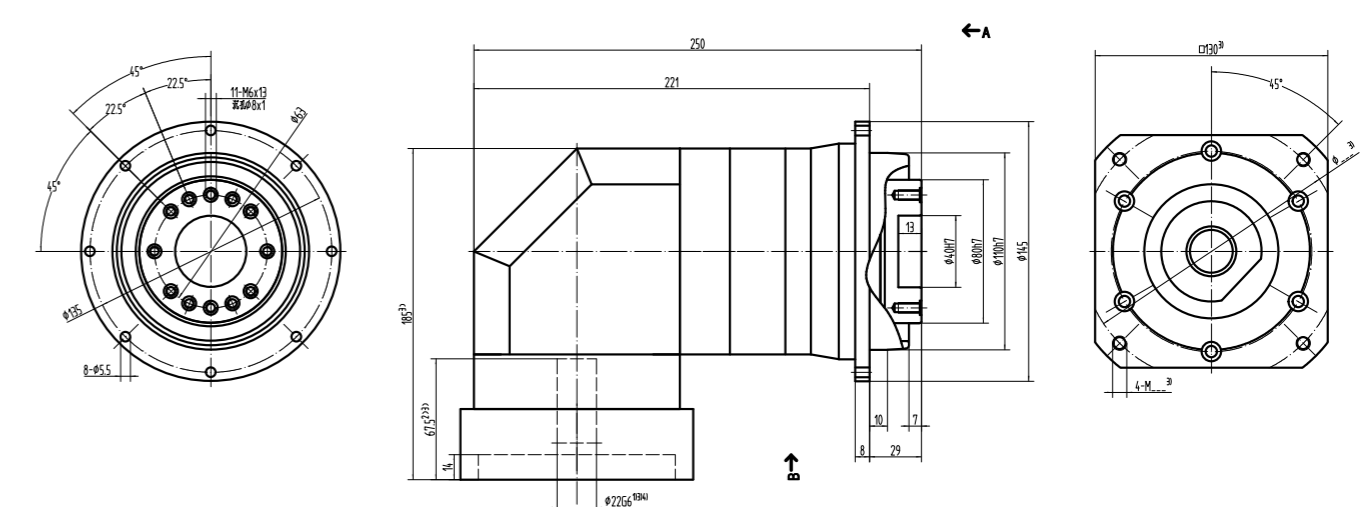
Any other questions, please contact us!

KTPR 系列

KTPR-110-L1



KTPR-110-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

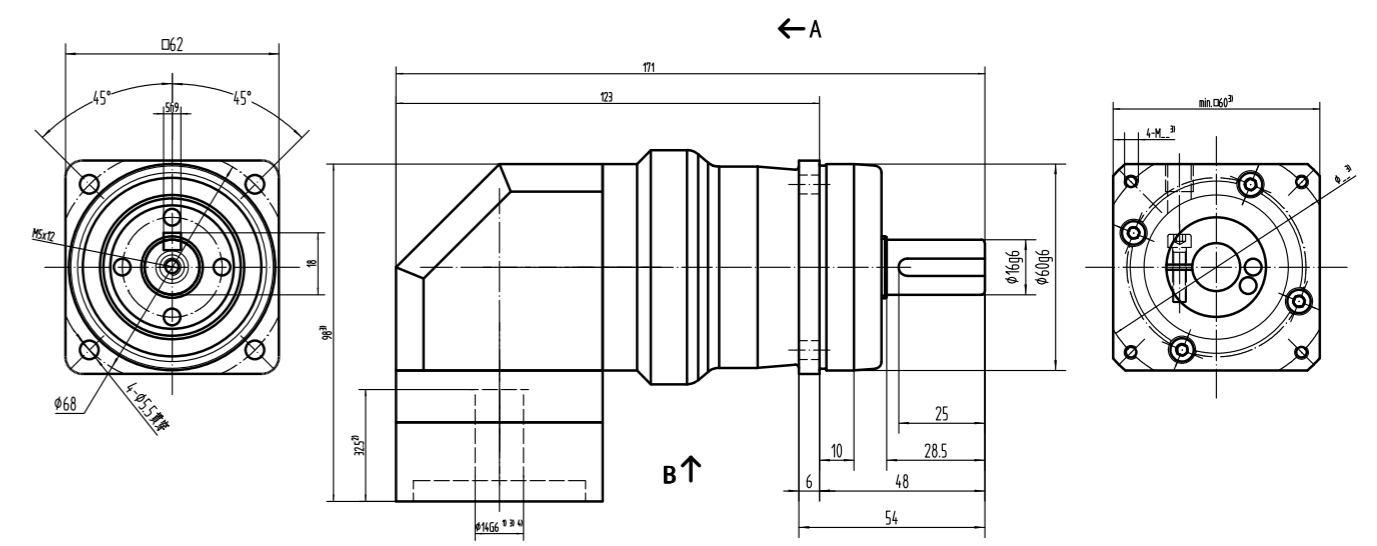
General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

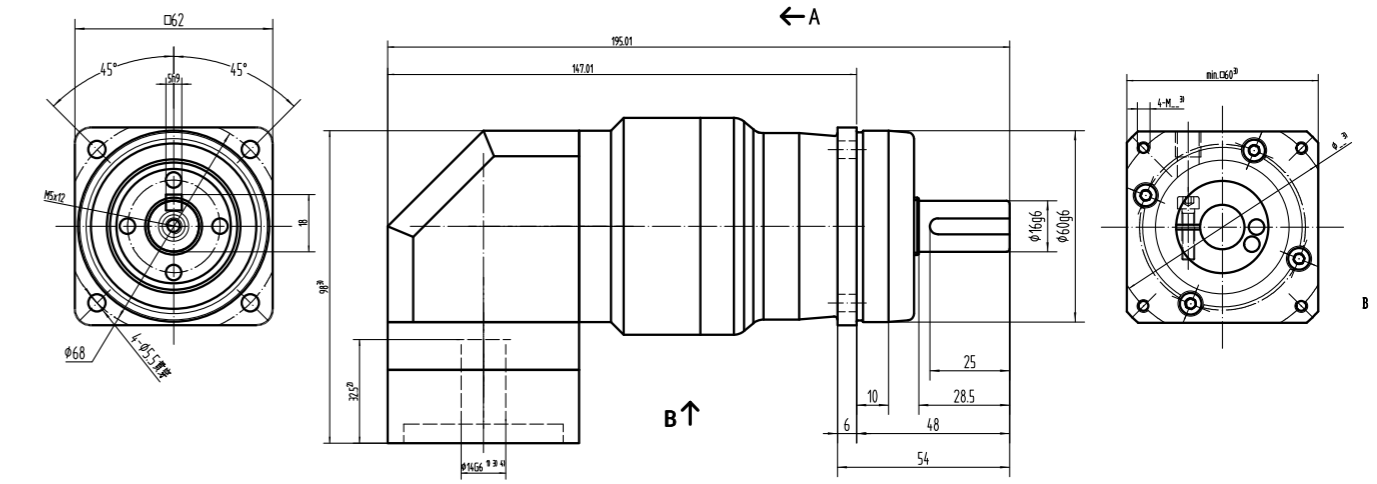
Any other questions, please contact us!

KSPR系列(KSPR Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KSPR060	KSPR075	KSPR075B	KSPR100	KSPR100B	KSPR142
额定输出扭矩(norminal output torque)T2N	Nm	L1	3	55	130	130	208	208	342
			4	50	140	140	290	290	542
			5	60	160	160	330	330	650
			7	50	140	140	300	300	550
			10	40	100	100	230	230	450
		L2	15	55	130	130	208	208	342
			20	50	140	140	290	290	542
			25	60	160	160	330	330	650
			30	55	150	150	310	310	600
			35	50	140	140	300	300	550
			40	45	120	120	230	230	500
			50	60	160	160	330	330	650
			70	50	140	140	300	300	550
			100	40	100	100	230	230	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of norminal output torque					
额定输入转速(norminal input speed)nIN	rpm	L1*L2	3~100	5000	4000	4000	4000	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	10000	8000	8000	8000	8000	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤7	≤7	≤7	≤7	≤7	≤7
		L2	15~100	≤10	≤10	≤10	≤10	≤10	≤10
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	15~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	°C	L1*L2	3~100	- 10°C ~ + 80°C					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤64	≤67	≤67	≤70	≤70	≤74
转动惯量(Moment of Inertia)J1	kg.cm²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
			10	0.13	0.44	0.44	2.57	2.57	7.14
		L2	15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KSPR-060-L1



KSPR-060-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

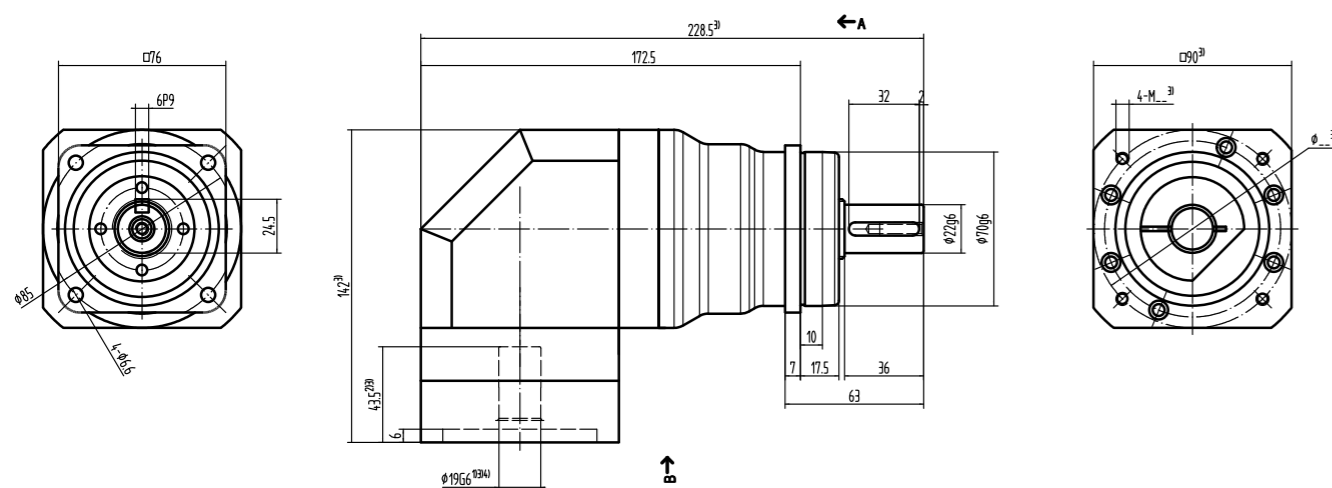
其他疑问请联系客服！

General tolerance is +/- 1mm

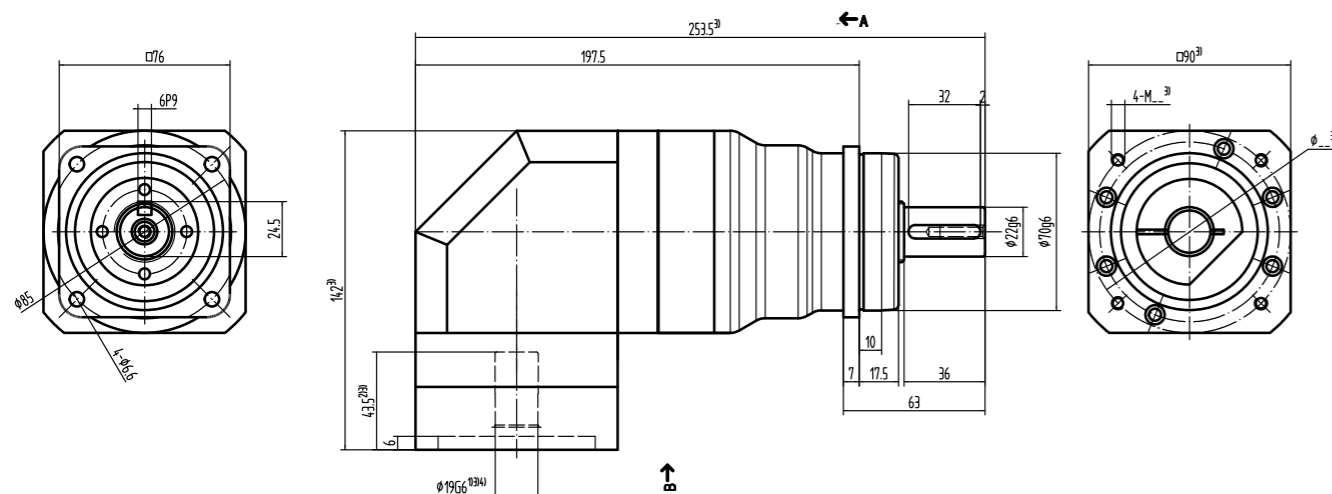
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KSPR-075-L1



KSPR-075-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

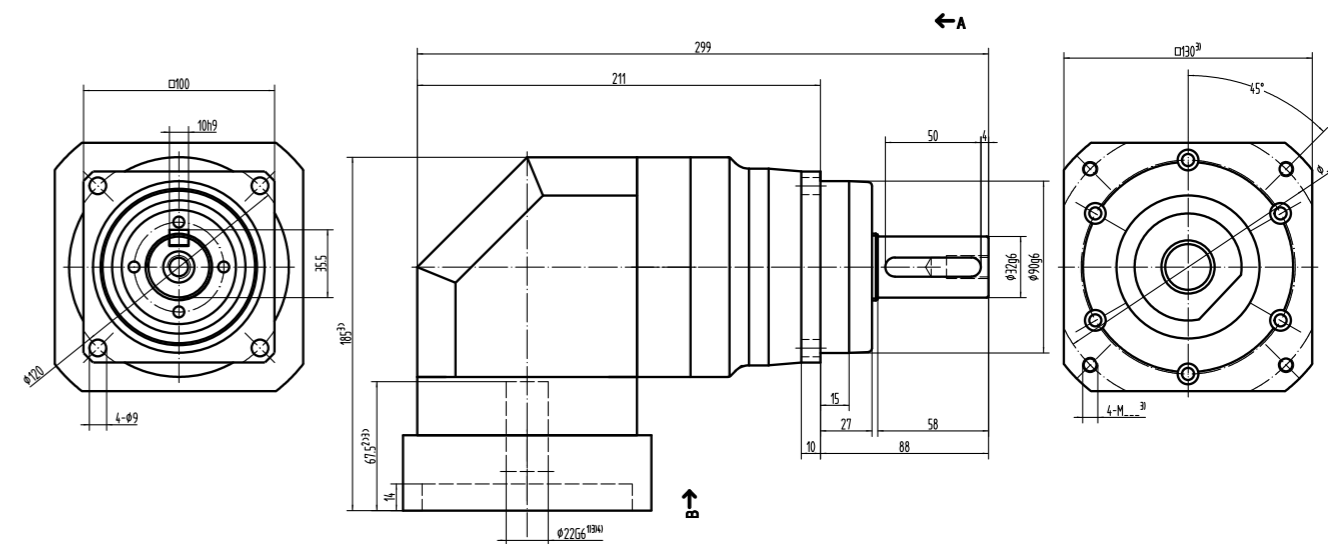
其他疑问请联系客服！

General tolerance is +/- 1mm

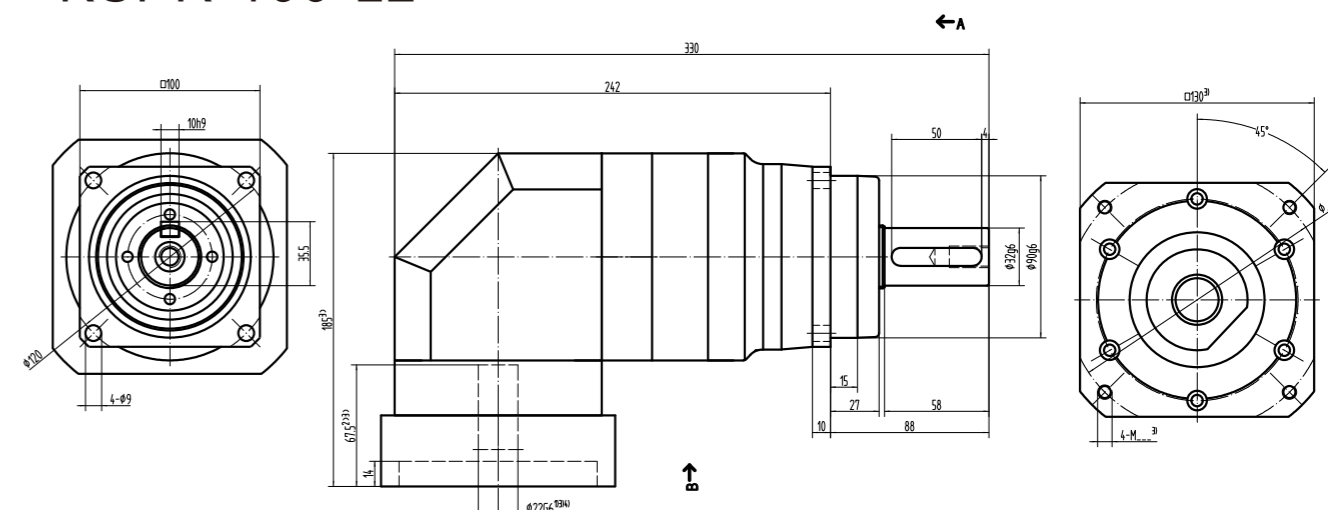
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KSPR-100-L1



KSPR-100-L2



未注公差 $\pm 1\text{mm}$

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

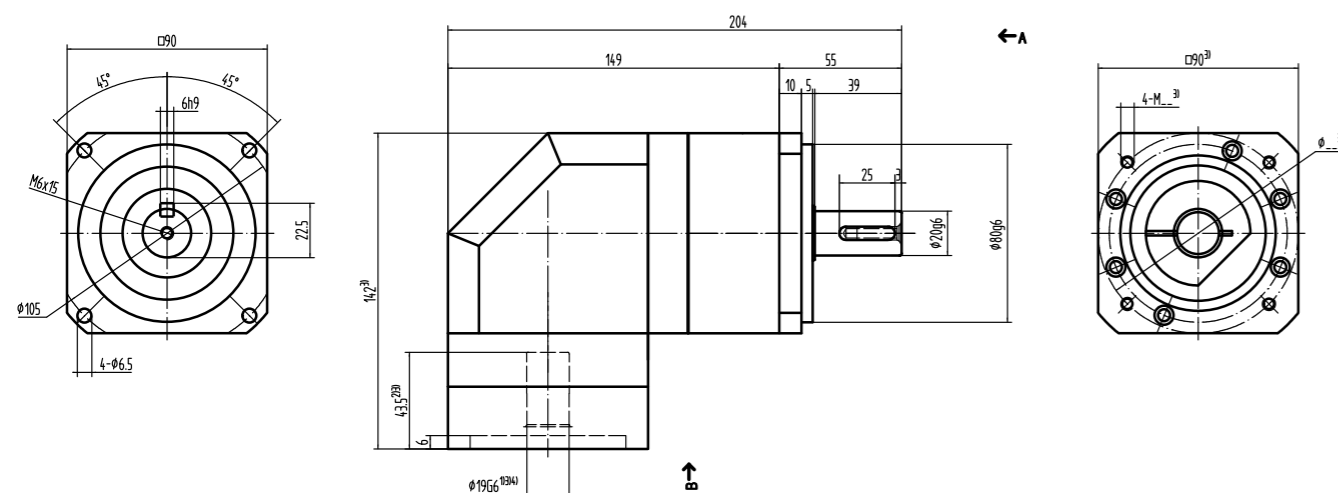
其他疑问请联系客服！

General tolerance is +/- 1mm

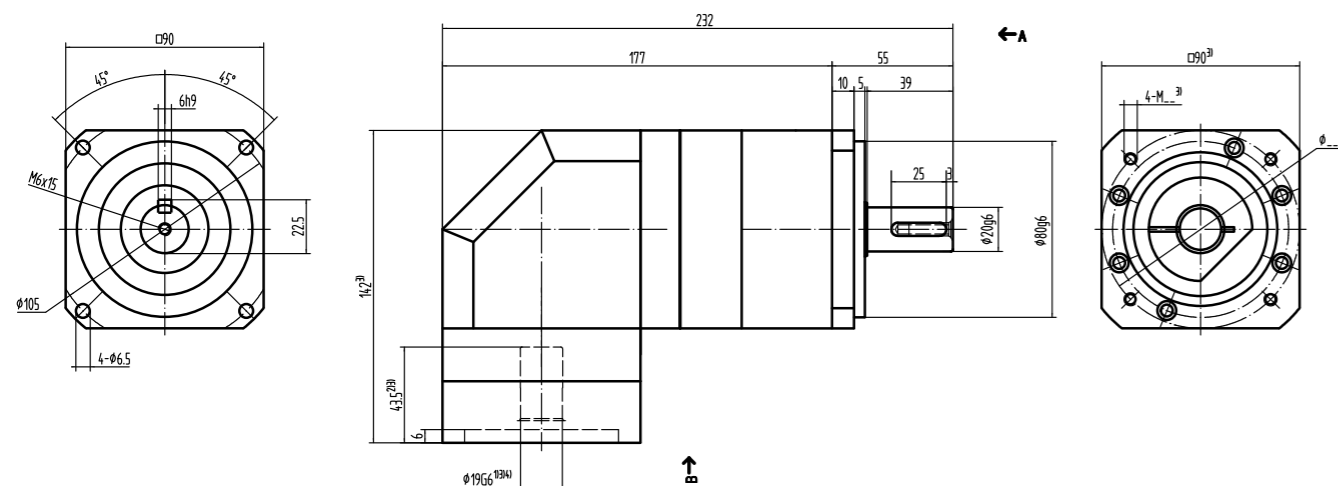
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions, please contact us!

KT SR-090-L1



KT SR-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

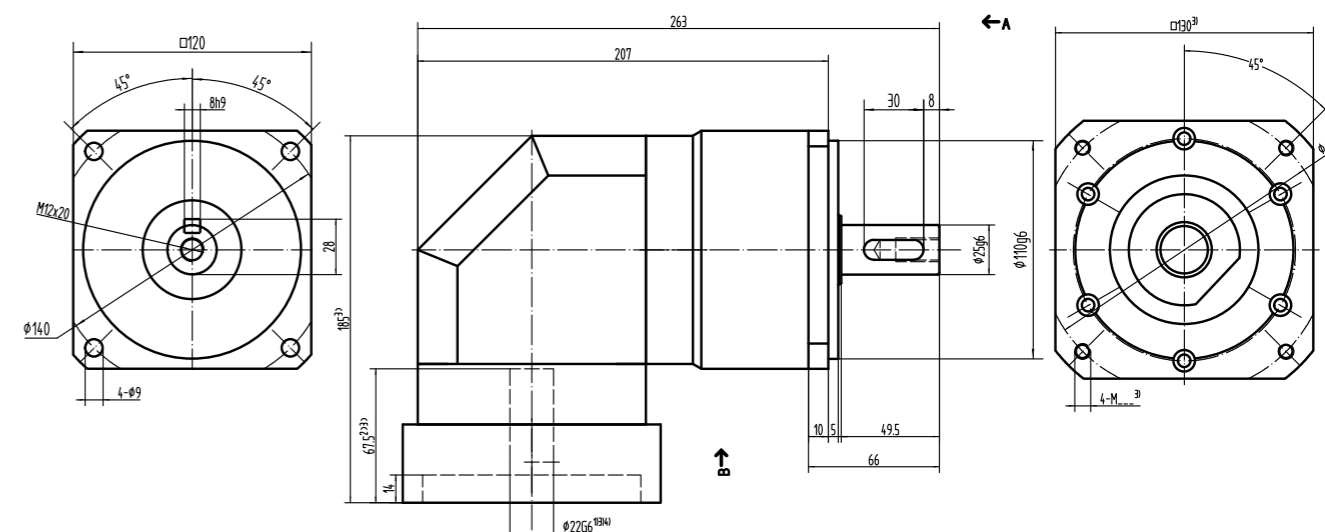
其他疑问请联系客服！

General tolerance is +/- 1mm

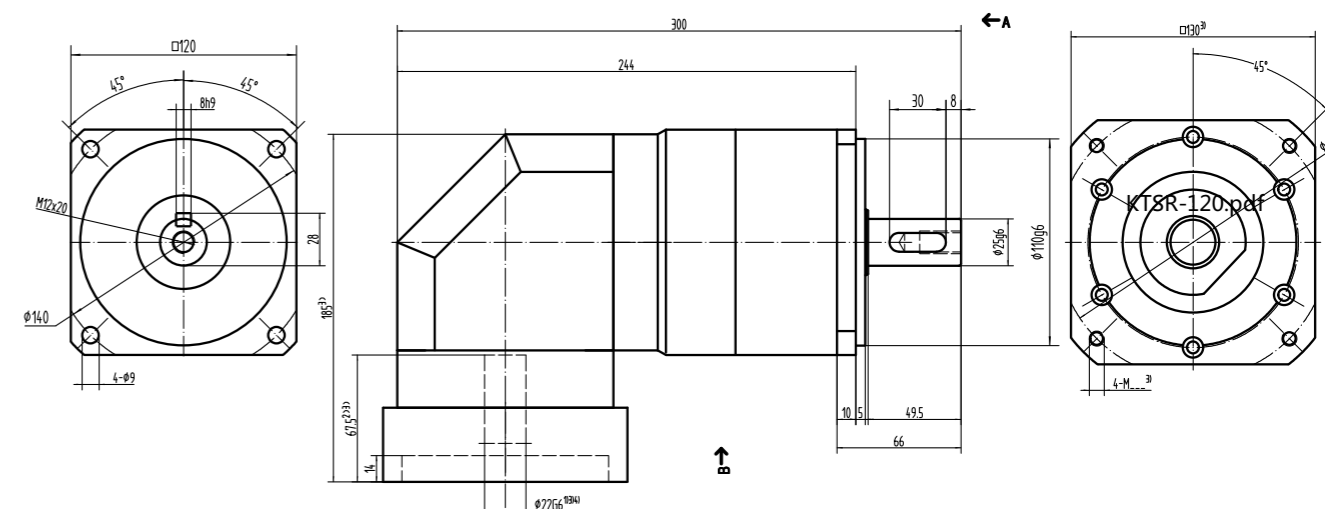
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KT SR-120-L1



KT SR-120-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

其他疑问请联系客服！

General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

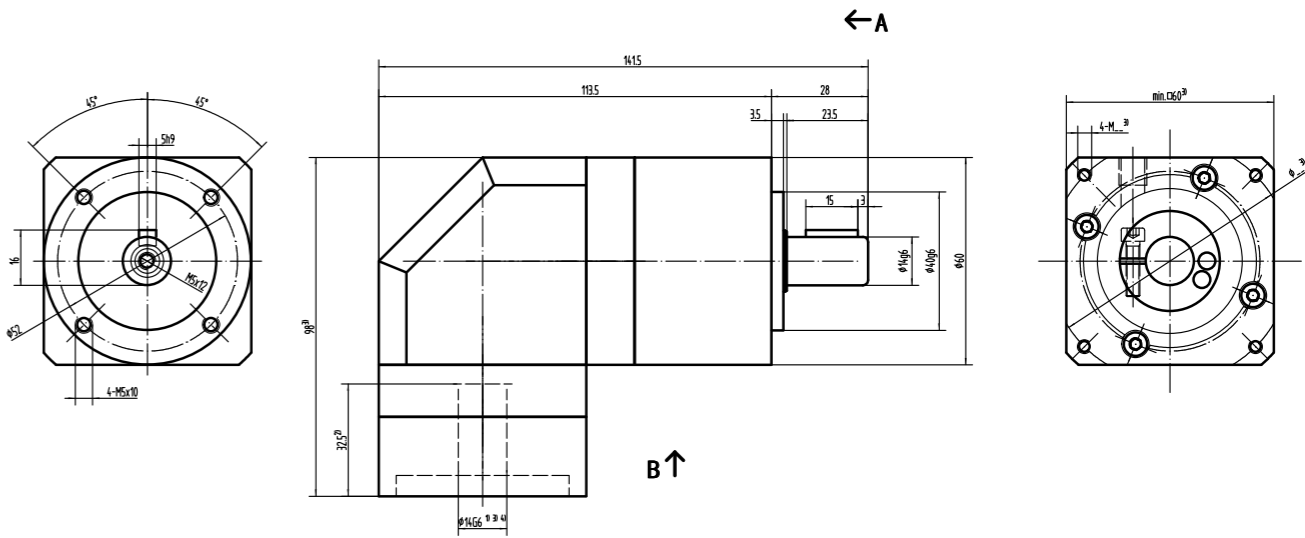
产品参数

Product Parameters

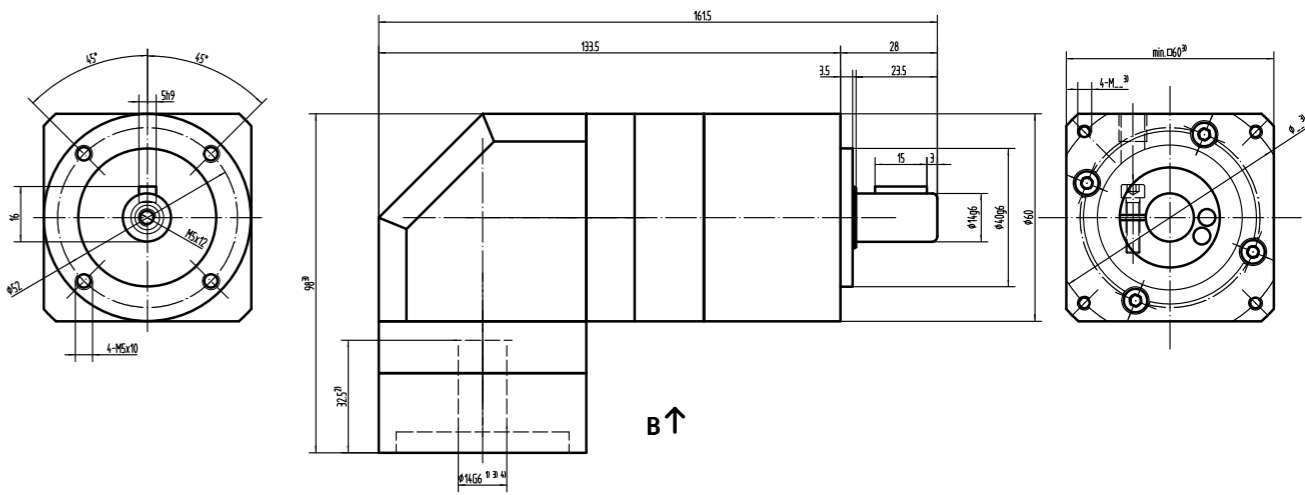
KTNR 系列

KTNR系列(KTNR Series)									
技术参数 Technical data		节数 stage level	速比 ratio	KTNR060	KTNR090	KTNR090B	KTNR115	KTNR115B	KTNR142
额定输出扭矩(normal output torque)T2N	Nm	L1	3	42	110	110	188	188	342
			4	42	113	113	223	223	542
			5	40	118	118	220	220	650
			7	35	96	96	198	198	550
		L2	10	27	68	68	155	155	450
			15	40	109	109	185	185	342
			20	42	116	116	230	230	542
			25	40	123	123	228	228	650
			30	40	108	108	212	212	600
			35	35	100	100	206	206	550
			40	43	117	117	232	232	500
			50	40	123	123	228	228	650
			70	35	100	100	206	206	550
			100	27	70	70	162	162	450
急停扭矩(emergency torque)T2NOT	Nm	L1*L2	3~100	2.5倍额定输出扭矩 2.5 times of normal output torque					
额定输入转速(normal input speed)nIN	rpm	L1*L2	3~100	4000	3600	3600	3600	4000	3000
最大输入转速(maximum input speed)n1B		L1*L2	3~100	6000	6000	6000	4800	4800	6000
回程标准间隙P2 standard backlash	arcmin	L1	3~10	≤8	≤8	≤8	≤8	≤8	≤8
		L2	15~100	≤12	≤12	≤12	≤12	≤12	≤12
扭转刚性 torsional stiffness	Nm/arcmin	L1*L2	3~100	7	14	14	25	25	50
最大径向力(Maximum radial force)F2RMAX	N	L1*L2	3~100	1200	2450	2450	4000	4000	9000
最大轴向力(Maxmum axial force)F2AMAX	N	L1*L2	3~100	1050	2200	2200	4000	4000	8300
工作效率 efficiency	%	L1	3~10	≥95	≥95	≥95	≥95	≥95	≥95
		L2	15~100	≥92	≥92	≥92	≥92	≥92	≥92
工作寿命 life time	h	L1*L2	3~100	≥20000 小时(hour)					
环境温度 operating temperature	°C	L1*L2	3~100	- 10°C ~ + 80°C					
润滑方式 lubrication		L1*L2	3~100	终身润滑 Lifetime lubrication					
防护等级 IP degree		L1*L2	3~100	IP65					
安装方向 mounting position		L1*L2	3~100	任何方向 All position					
噪音 noise level	dB	L1*L2	3~100	≤66	≤68	≤68	≤72	≤72	≤75
转动惯量(Moment of Inertia)J1	kg.cm ²	L1	3	0.16	0.61	0.61	3.25	3.25	9.21
			4	0.14	0.48	0.48	2.74	2.74	7.54
			5	0.13	0.47	0.47	2.71	2.71	7.42
			7	0.13	0.45	0.45	2.62	2.62	7.25
		L2	10	0.13	0.44	0.44	2.57	2.57	7.14
			15	0.03	0.13	0.13	0.47	0.47	7.03
			20	0.03	0.13	0.13	0.47	0.47	2.71
			25	0.03	0.13	0.13	0.47	0.47	2.71
			30	0.03	0.13	0.13	0.47	0.47	2.71
			35	0.03	0.13	0.13	0.47	0.47	2.71
			40	0.03	0.13	0.13	0.47	0.47	2.71
			50	0.03	0.13	0.13	0.47	0.47	2.71
			70	0.03	0.13	0.13	0.44	0.44	2.57
			100	0.03	0.13	0.13	0.44	0.44	2.57

KTNR-075-L1



KTNR-075-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

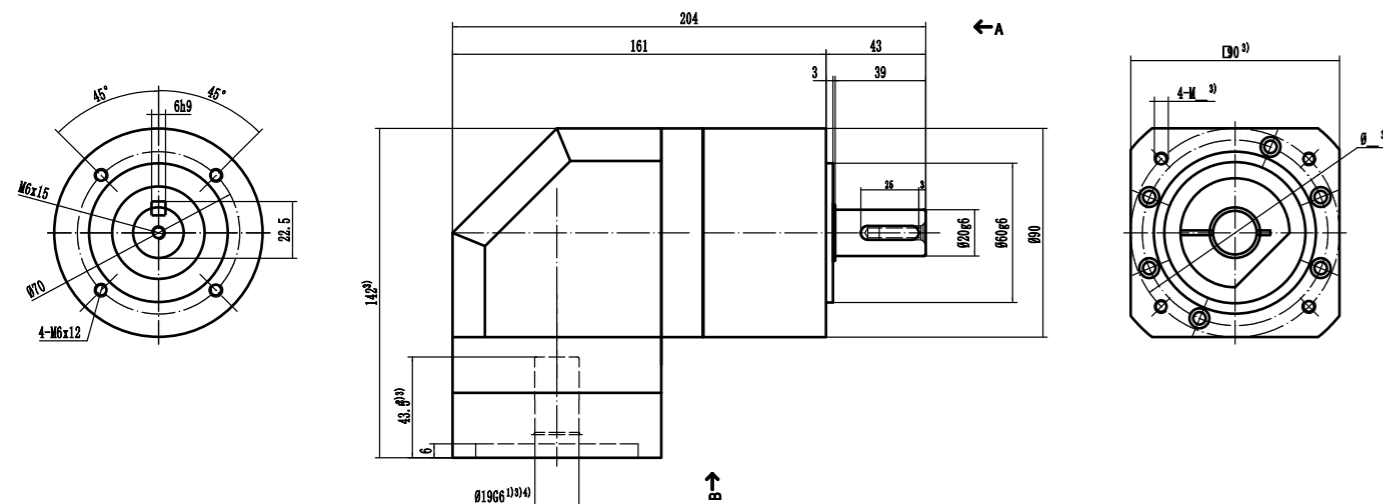
其他疑问请联系客服！

General tolerance is +/- 1mm

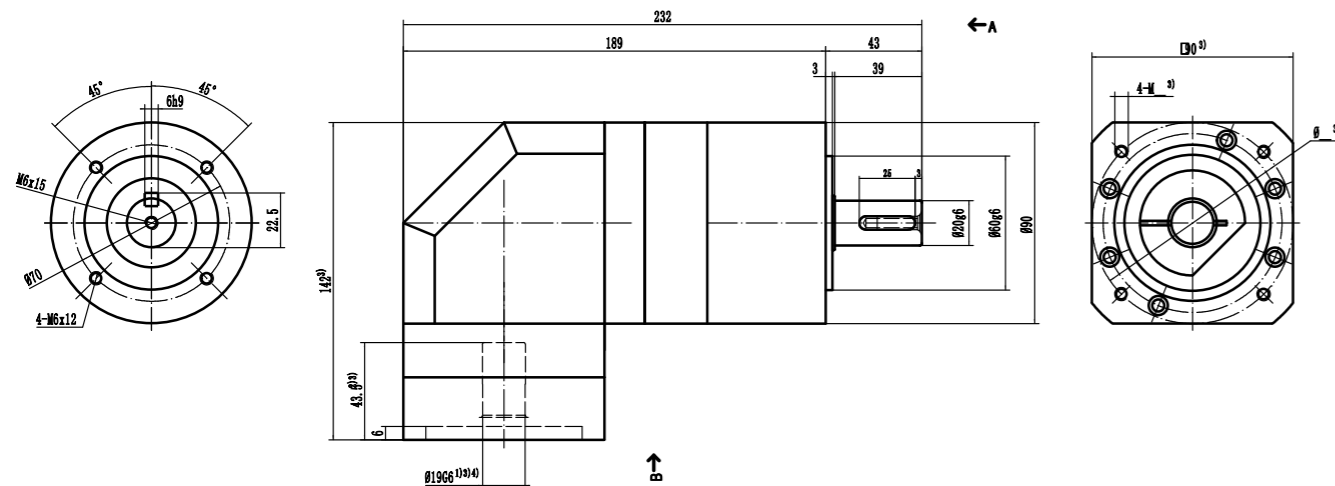
- 1)checking motor shaft diameter
- 2)allowable motor shaft length(for special length please contact us)
- 3)input mounting dimensions can be changed for different motor
- 4)bush can be supplied for smaller diamter of motor shaft.

Any other questions,please contact us!

KTNR-090-L1



KTNR-090-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

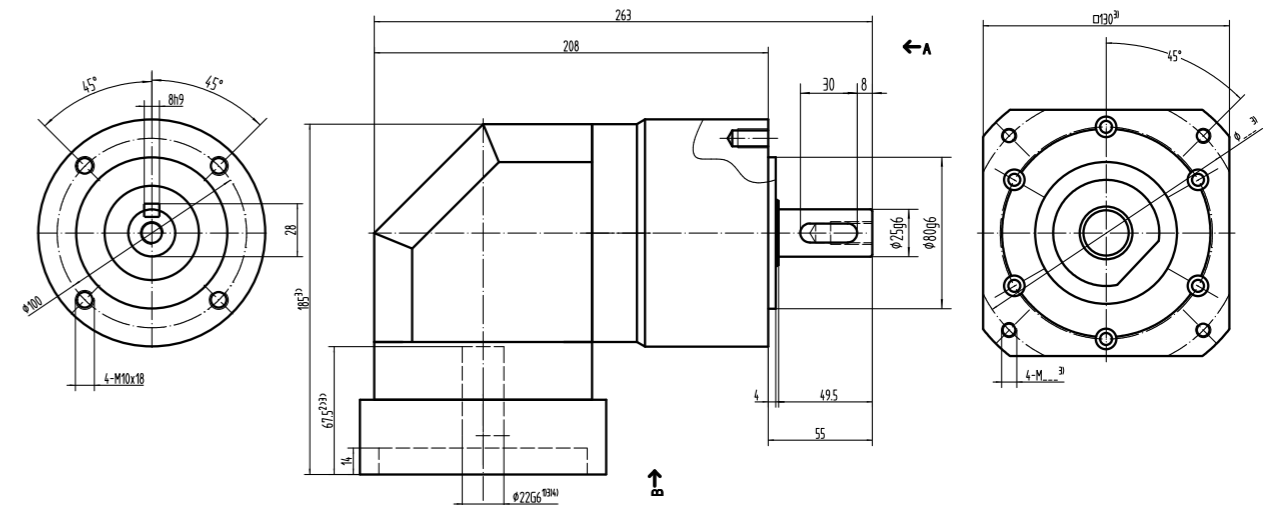
其他疑问请联系客服！

General tolerance is +/- 1mm

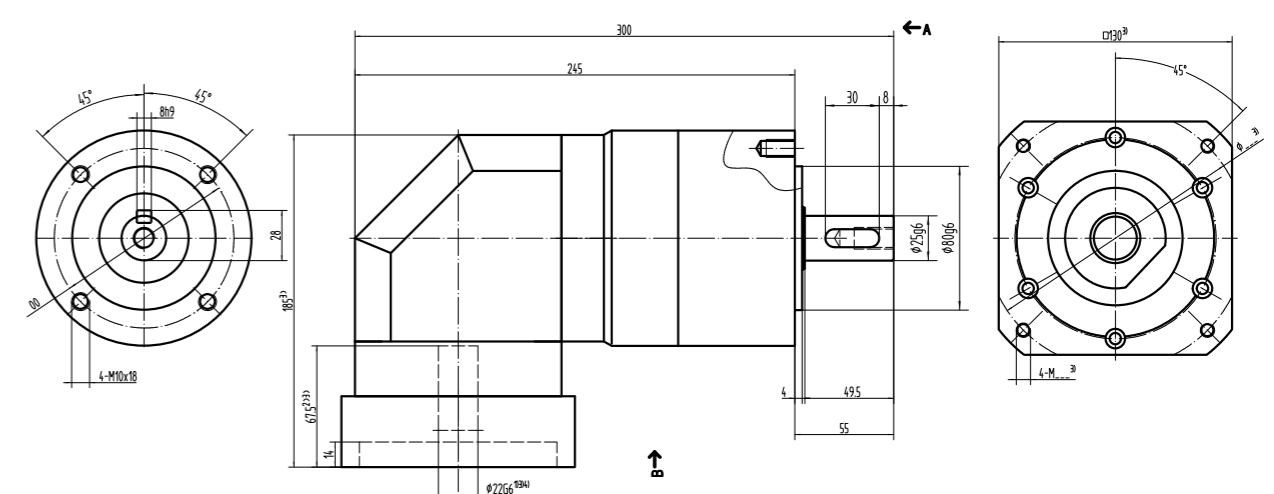
- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

KTNR-120-L1



KTNR-120-L2



未注公差±1mm

- 1) 检查电机轴直径；
- 2) 允许电机轴长度，如有特殊请与我们联系；
- 3) 尺寸视电机而定；
- 4) 电机轴径偏小时可用轴套。

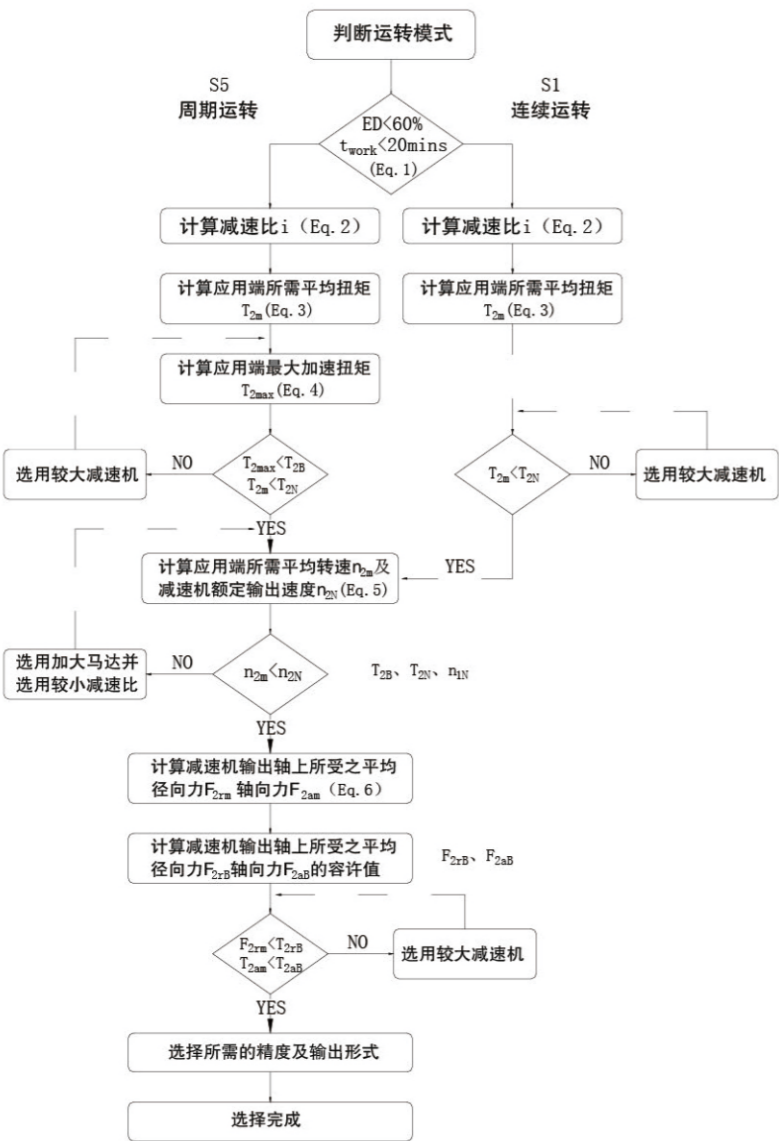
其他疑问请联系客服！

General tolerance is +/- 1mm

- 1) checking motor shaft diameter
- 2) allowable motor shaft length (for special length please contact us)
- 3) input mounting dimensions can be changed for different motor
- 4) bush can be supplied for smaller diameter of motor shaft.

Any other questions, please contact us!

如何选用减速机



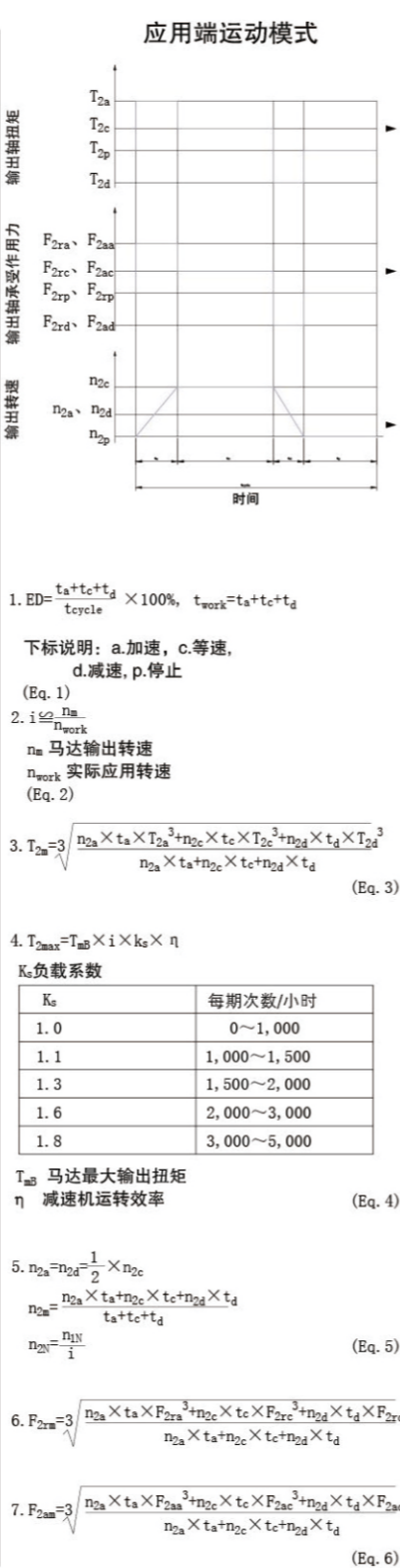
S5周期运转之建议事项
一般的应用惯量须符合以下公式：

$$\frac{J_L}{i^2} \leq 4 \times J_m$$

最适合的应用惯量须符合以下公式

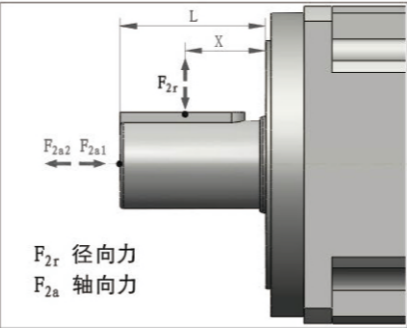
$$\frac{J_L}{i^2} \leq J_m$$

J_L 负载惯量
J_m 马达惯量



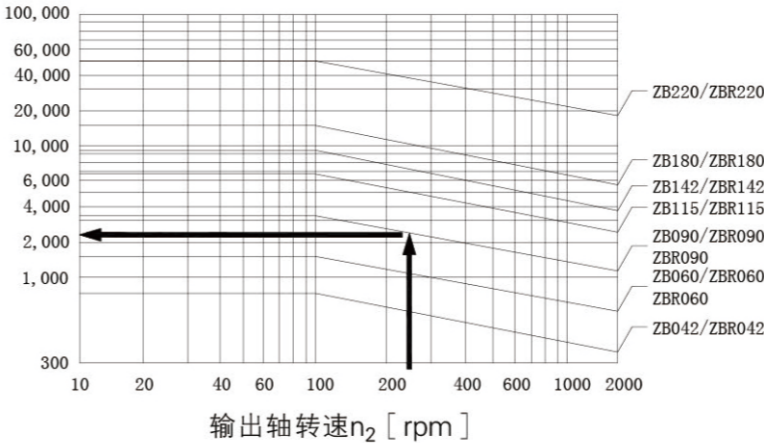
减速机输出轴之容许径向力及轴向力

REDUCER OUTPUT SHAFT OF THE PERMISSIBLE RADIAL FORCE AND SHAFT AND FORCE



减速机输出轴所能承受之最大径向力及轴向力，剖视内部支撑轴承之设计，减速机采用大尺寸的轴承及较大跨距的设计，其能承受更大的径向及轴向负荷。

容许径向力F_{2rB} [N] 施力于轴中心位置

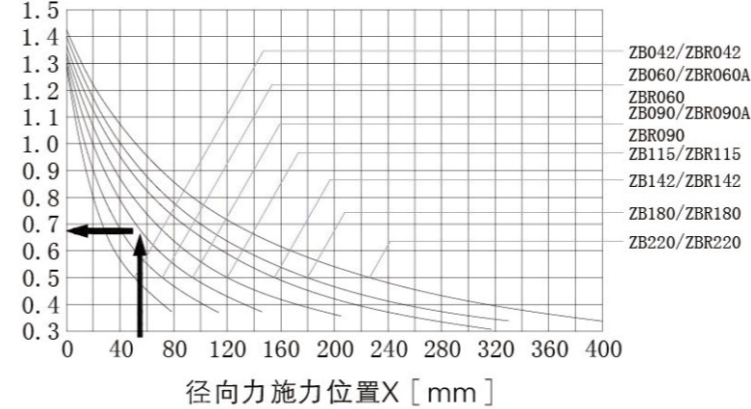


当径向力F_{2r}施力于轴中心位置即X=1/2xL时，不同规格之减速机在不同输出转速运用下使用寿命为20,000hr*时，所能承受之容许径向力F_{2rB}，请参照左图，而能承受之容许轴向力F_{2aB}为

$$F_{2a1B} = 0.2 \times F_{2rB}$$

$$F_{2a2B} = 0.1 \times F_{2rB}$$

位置负荷系数K_b



当径向力F_{2r}施力在轴中心位置时，越靠近减速机即X<1/2xL,所能承受的容许径向力变大，越远离减速机即X>1/2xL时，所能承受的容许径向力则变小，参照左图，依减速机规格及径向力施力位置X，查出位置负荷系数K_b，再代入下列公式，求出容许径向力：

$$F_{2rB} = K_b \times F_{2r}$$

轴向力：

$$F_{2a1B} = 0.2 \times F_{2rB}$$

$$F_{2a2B} = 0.1 \times F_{2rB}$$

*连续运转降低使用寿命二分之一。



马达锁紧螺丝扭力建议表							
螺丝尺寸	六角头尺寸	强度8.8螺丝之锁紧扭力		强度10.9螺丝之锁紧扭力		强度12.9螺丝之锁紧扭力	
	(mm)	(Nm)	(In-lbs)	(Nm)	(In-lbs)	(Nm)	(In-lbs)
M3*0.5P	2.5	1.3	12	1.8	16	2.1	19
M4*0.7P	3	3	27	4.1	37	4.9	44
M5*0.8P	4	6.1	55	8.2	73	9.8	87
M6*1P	5	11	98	14	124	17	151
M8*1.25P	6	25	222	34	302	41	364
M10*1.5P	8	49	434	67	594	80	709
M12*1.75P	10	85	753	116	1028	139	1232
M14*2P	12	137	1214	186	1648	223	1976
M16*2P	14	210	1860	286	2534	343	3038

马达锁紧轂螺丝扭力建议表						
减速机型号	马达轴径	螺丝尺寸	六角头尺寸	马达轴径		
	(mm)	(mm)	(mm)	(Nm)	(In-lbs)	
090	单节	≤19	M5*0.8P*14L	4	9.8	87
	双节	≤14	M4*0.7P*12L	3	4.9	44
115/120	单节	≤32	M6*1P*16L	5	17	151
	双节	≤19	M5*0.8P*14L	4	9.8	87

15 horizontal dotted lines for writing notes.

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