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星光传动官方网站

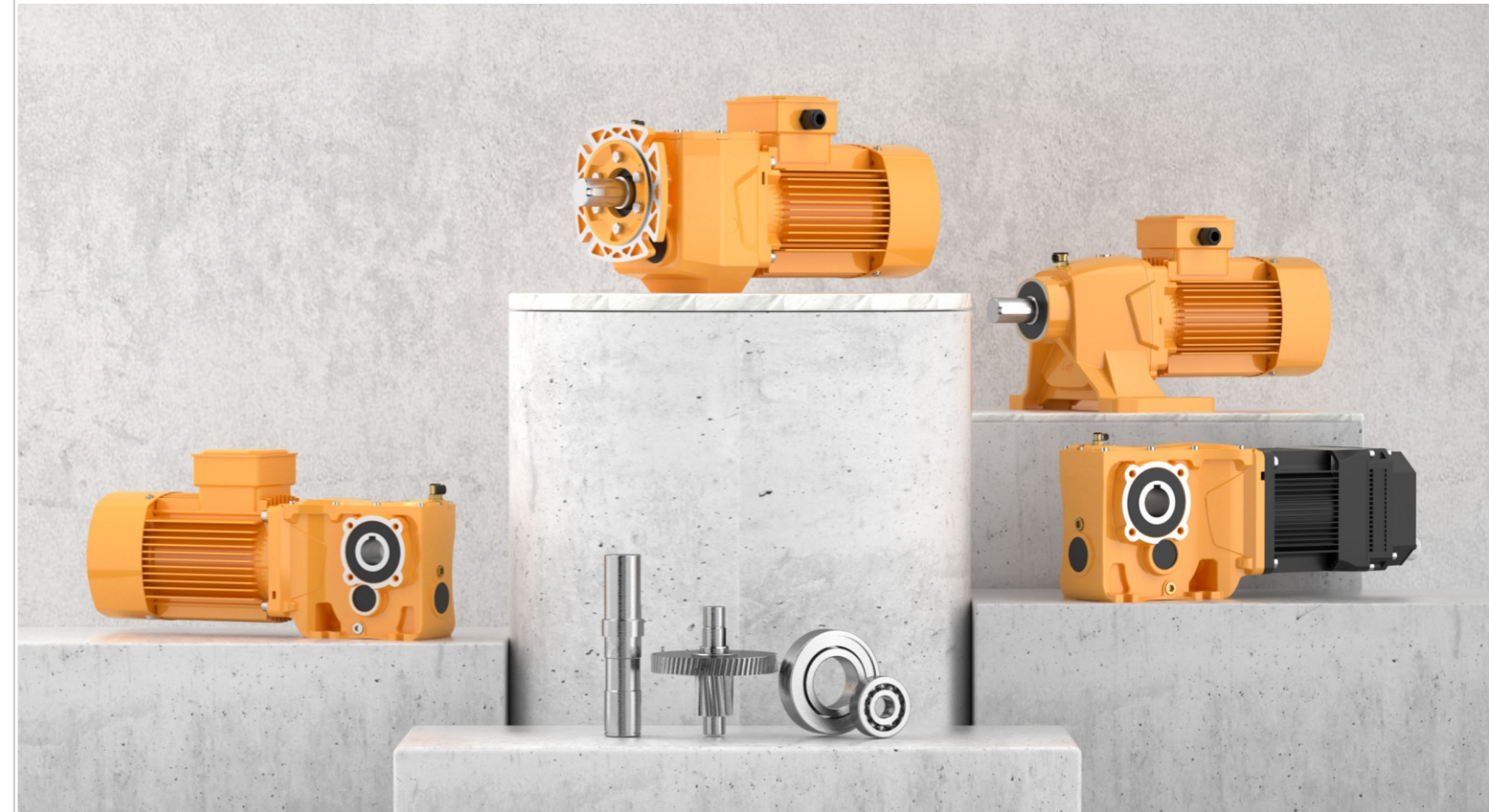


星光传动官方微信

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NCJ系列齿轮减速机

NCJ SERIES GEAR SPEED REDUCER

动静之间 · 唯简不凡



广东星光传动股份有限公司前身是一家创建于1965年的国有军工企业——国营星光工模具厂，公司在追求全体员工物质和精神双重幸福的同时，以行业领先的减变速机应用技术，驱动全球工业革新为使命，建设觉悟型组织，成为服务全球的幸福企业为愿景。

公司技术力量雄厚，现有员工420余人，其中工程技术人员40多名，和各种先进的加工制造和检测设备，依托省级工程技术研究中心、减速机产品试验室和现代化研发和生产基地，为高端减变速机产品的行业应用开发和服务提供了良好的发展基础。

公司主导产品有：NCJ系列齿轮减速机、R/S/K/F系列高精度齿轮减速机、RV系列蜗杆减速机、SNKG系列齿轮减速机、JWB-X系列机械无级变速器、B/JXJ系列摆线针轮减速机、SCK系列准双曲面齿轮减速机等七大系列产品可供选用，公司广泛服务于陶瓷、纺织、玻璃、木工、高压开关、食品饮料、包装印刷、仓储物流、起重运输等装备制造和应用行业，专为中高端用户提供专业的产品和服务。产品畅销国内，远销欧美、中东、东南亚等20多个国家和地区。

在未来的发展中，星光传动聚焦客户需求，提供有竞争力的传动解决方案，持续为客户创造价值，打造高端制造业和终端用户“替代进口、升级换代”的首选品牌！

动静之间，唯简不凡；携手同行，星光灿烂！

Guangdong Starshine Drive Co.,Ltd, the predecessor was a state-owned military mould enterprise which established in 1965. While pursuing the spiritual and material happiness of all employees, With the Mission" with industry-leading reduction and transmission technology to drive industrial renewal" and Vision" Build a conscious organization, become a happy enterprise serving the world".

Starshine has a strong technical force with over 400 employees at present, including over 40 engineering technicians, and kinds of advanced processing machines and testing equipment. Thanks to the Provincial Engineering Technology Research Center, the speed reducer product laboratory, the modern R&D and production base, that make Starshine has a good foundation to develop and service for high-end speed reducers.

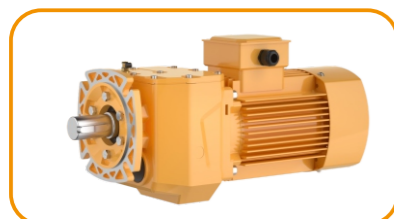
Our main products include: helical geared motor, worm gearboxes, planetary gearboxes, speed variators, cycloidal gearboxes, helical-hypoid gearboxes, which widely used in ceramic industry, glass industry, woodworking machinery, high voltage switch, food & beverage, packaging & printing, Storage & logistics, hoisting & transportation facilities...etc, Starshine technically provide the professional product & service for the medium and high-end customers, and our gearboxes are best-selling in both domestic and abroad market, such as Europe, North America, South America, Middle East, South Asia, Southeast Asia, Africa...etc more than 20 countries and regions.

In future, Starshine will hold the business creed of "serving customer, diligence & simplicity, self-criticism, innovation, honesty, teamwork", and take "authenticity, altruism, openness, innovation, responsibility, collaboration" as core values. Focus on customers' requirements and provide them the competitive transmission solution and create value for them constantly, and create a preferred brand of replacing import products and upgrading continuously for the end users.

Between Dynamic and Static, Simple is Extraordinary, let's go forward hand in hand and make a brilliant future!

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产品说明 Product description

星光NCJ系列齿轮减速机是一种低温升、低噪音、高效率的齿轮减速机；产品遵循模块化、最优化设计理念，运用有限元分析技术，采用独特的低噪音齿轮齿形设计、确保设计的先进性；本产品具有体积小，承载能力强、运转平稳、使用可靠、寿命长、免维护等特点。可与变频器组成多种形式的变速减速机，可满足客户不同的需求。

Xingguang NCJ series helical gearbox is modularly designed new product with low temperature rise, low noise and high efficiency. To keep up with the advanced trend in this field, it applies Finite element analysis technology and adopts unique Low noise gear tooth design. The product is of small size, stable operation, long service life, high capacity and reliability, last but not least, maintenance-free. It can combine with frequency converter to form variable speed helical gearbox of a variety of forms to meet the different needs of customers.

性能特性 Characteristics

1. 能耗低、噪音低、振动小，减速机的效率可高达92%—96%。
2. 采用特制宽频电机，满载时可在频率 20Hz—60Hz范围内正常使用。
3. 零部件均采用模块化生产，互换性强。
4. 铸铁箱体，刚性好、强度高、散热性能优异。
5. 齿轮副采用渗碳淬火热处理工艺，采用独特的低噪音齿形齿向设计，确保产品的使用寿命，同时保证设计的先进性。
6. 扭力大、体积小、温升低、输出速度范围广。
7. 采用专用齿轮润滑脂，保证减速机正常运转20000 小时，不需换油。

1. Low energy consumption, low noise, small vibration, low temperature rise, wide output speed, and high efficiency: 92%—96%.
2. Special broadband wide-voltage motor, working normally under full load between 20Hz—60Hz.
3. Modular design with strong interchangeability.
4. Iron cast housing, good rigidity, high strength and excellent heat-loss.
5. Advanced design: Gear Pair processed by carburizing and quenching heat treatment; and unique low noise gear tooth design to ensure the service life.
6. Large torque, small volume, low temperature rise and wide output speed.
7. Special gear grease to guarantee normal operation time: change oil at 20000 operating hours.

Application

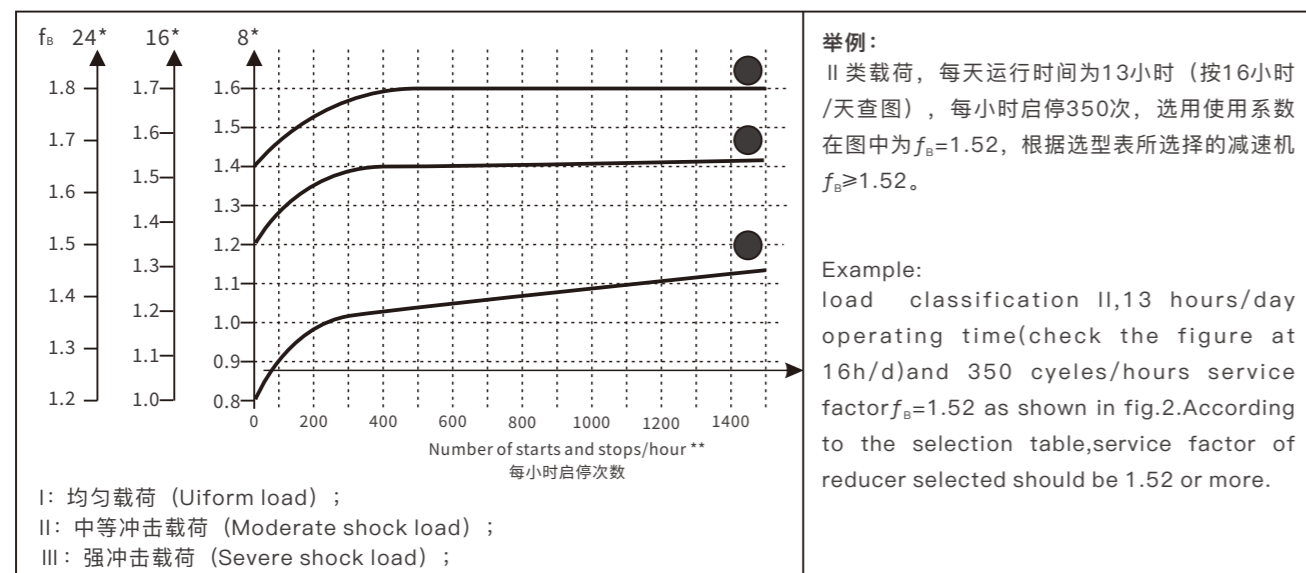
本产品广泛应用于陶机、钢铁、化工、石油、饮料、食品、电子、制革、制药、纺织等各行业生产自动线和工业装备的动力传动和变速传动，详情请向我公司咨询。

NCJ Series helical gearbox may be applied to automatic production line and industrial equipment in industries like ceramic, iron and steel, chemical, oil, beverages, food, electronics, leather, pharmaceutical, textile, power transmission and variable speed transmission, etc. For more information, please contact us.

使用系数 Service factor

选用减速机要考虑一定的使用系数（用 f_B 表示），使用系数 f_B 由每天运行时间和启停频率所决定，根据三种负载类型，可从图中确定读取驱动方案的使用系数。从图中确定的使用系数一定要小于或等于从选型表中所给的使用系数。

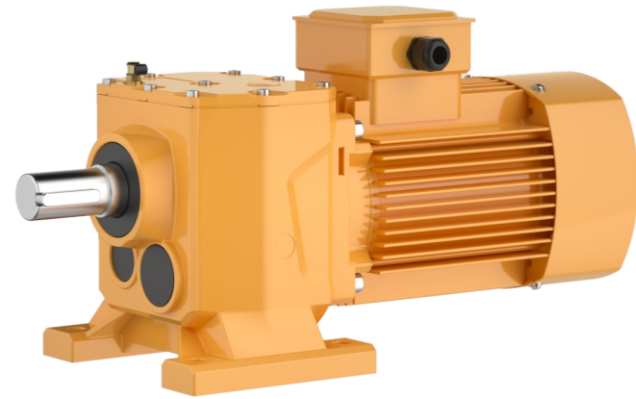
When it comes to selecting a gearbox, service factor (short for f_B) must be taken into consideration. And the f_B depends on daily operating time and start-up frequency. The graph below shows f_B figure at three load classification condition, the f_B from the graph is for reference. The f_B to be chosen from this graph should match f_B requirement as stated in the selection table.



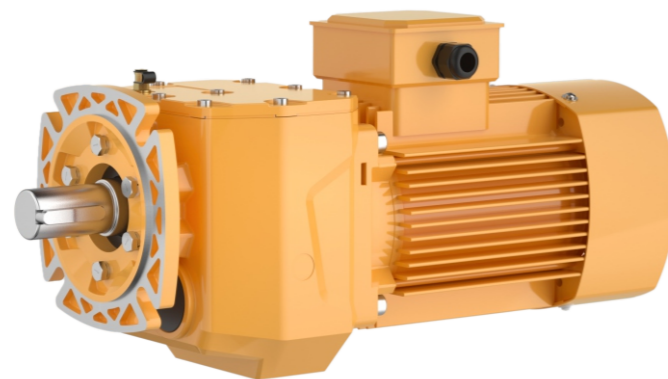
载荷分类 Load classification					
工作机类型 Service machine	载荷分类代号 Load classification	工作机类型 Service machine	载荷分类代号 Load classification	工作机类型 Service machine	载荷分类代号 Load classification
传送运输机类 Conveyor		搅拌机 (半液体) Agitator (Semi-liquid)		染布机 Dyeing machine	
平板输送机 Pallet conveyor		冷却滚筒 Cooling drum		针织机 Knitting loom	
平衡块升降机 Balanced elevator		干燥滚筒 Drying drum		轧布机 Mangle	
槽式输送机 Trough conveyor		搅拌机 Agitator		拉毛机 Napper	
带式输送机 (大件) Belt conveyor (large)		造纸机械类 Paper Machinery		漂染 Bleaching and dyeing	
带式输送机 (碎料) Belt conveyor (small)		压光机 Calender machine		污水处理设备 Water treatment equipment	
筒式面粉输送机 Barrel flour conveyor		多层筛板机 Multi-layer board machine		算子筛 Grating screen	

使用系数 Service factor

链式输送机 Chain conveyor		干燥滚筒 Drying drum		化学输液器 Chemical infusion	
环式输送机 Conveyor		上光滚筒 Polishing roller		集液器 Liquid receiver	
货物升降机 Goods lifts		搅案机 Pulp machine		螺旋脱水器 Spiral dehydrator	
卷扬机 Hoisting machine		纸浆切碎机 Pulp shredding machine		浮渣破碎机 Scum breaker	
倾斜卷扬机 Incline hoists		吸水辊 Suction roller		快搅拌机 Fast/Slow blender	
连杆式输送机 Link conveyor		吸水滚压机 Water roller		浓缩器 Coconcentrator	
造纸机械类 Paper Machinery		潮纸滚压机 Damp paper rolling machine		真空过滤器 Vacuum filter	
灌装及装箱机器 Filling and packing machine		威罗机 Willow machine		气洗箱 Gas washing sieve	
甘蔗压榨机 Sugarcane erushing machine		纺织机械类 Textile machinery		转石 Rolling stone	
甘蔗切断机 Sugarcane culling machine		送料器 feeding machine		进水滤网 Water filter	
甘蔗粉碎机 Sugar cane crusher		织布机 Loom		石料、瓷土料加工机床类 Stone, china clay materials machine tools	
酱状物吊桶 Past bucket		印染机床 Printing and dyeing machine		球磨机 Ball mill	
映甜菜清洗机 Chaff beet cleaner		精制桶 Refined barre		挤压粉碎机 Crushing mill	
带式切片机 Belt slicer		威罗机 Box willow		破碎机 Crusher	
包装机 Packing machine		配料器 Batche		压砖机 Brick machine	
和面机 Dough kneading machine		碾光机 Rice milling machine		锤式粉碎机 Hammer mill	
磨面机 Flour milling machine		梳理机 Carding machine		回转窑 Rouary kiln	
化工类 Chemical industry		干桶 Dry barrel		管形磨机 Cylindrical grinder	
搅拌机(液体) Blender (Liquid)		烘干机 Dryer		注：其他未涉及行业，请咨询我公司 Notes: Other industries not mentioned here please contact us	

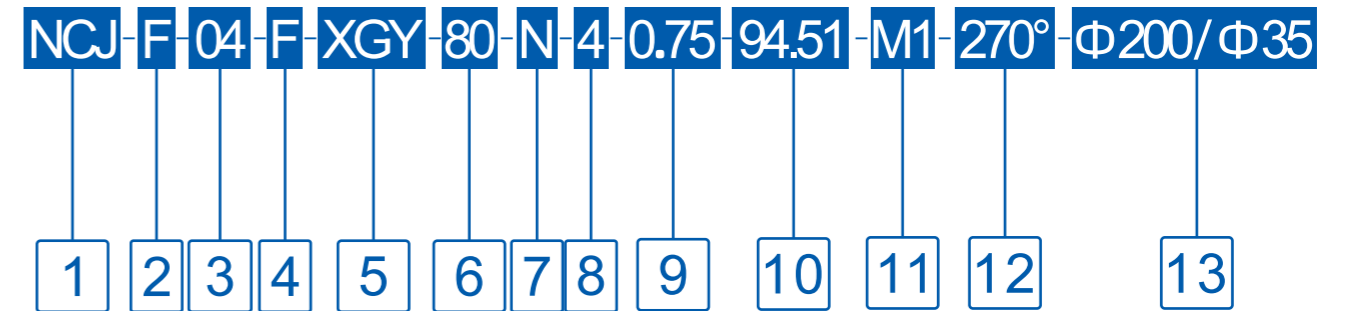


NCJT系列齿轮减速机
NCJT Series Gear Speed Reducer



NCJF系列齿轮减速机
NCJT Series Gear Speed Reducer

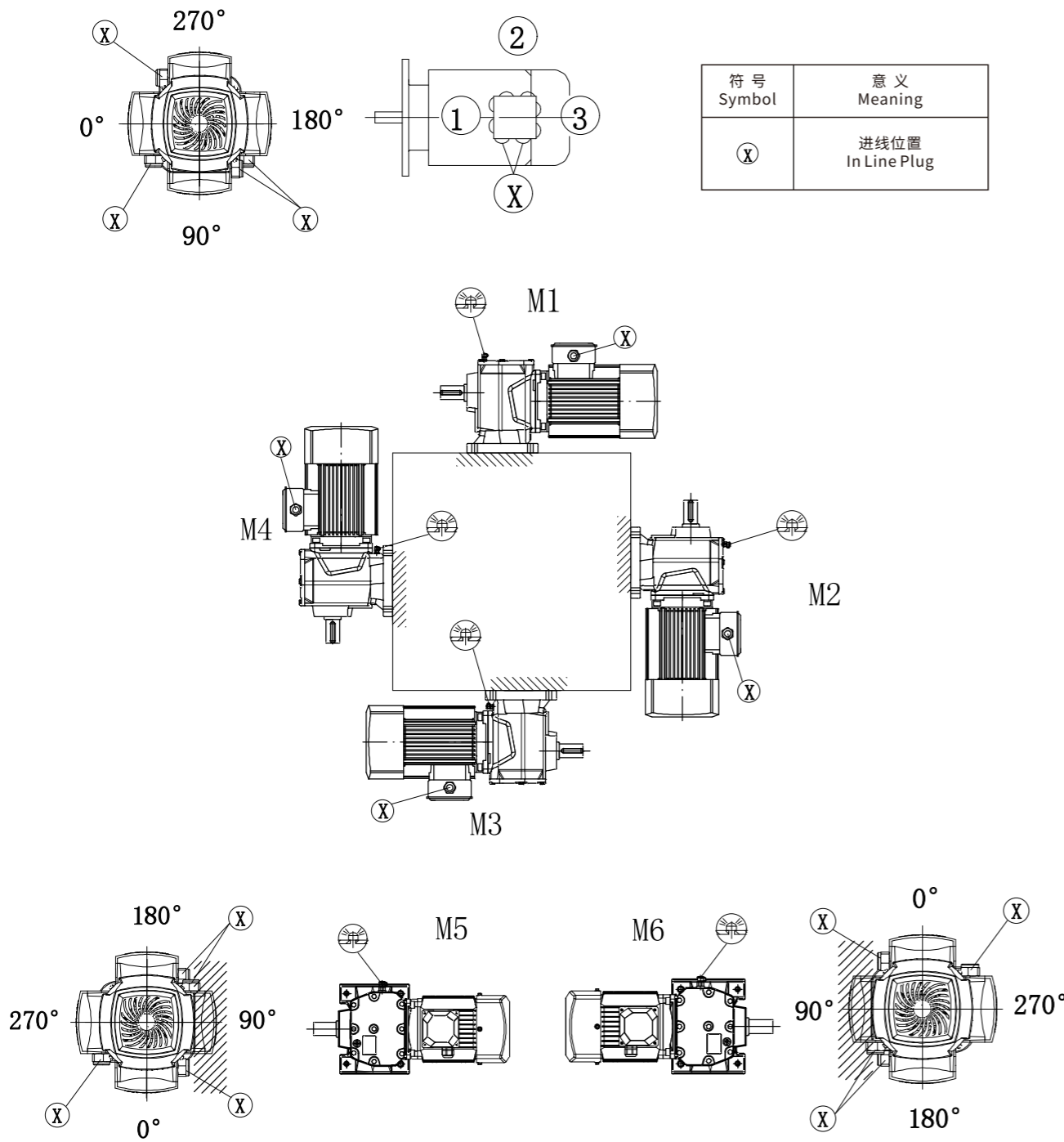
型号表示 Model representation



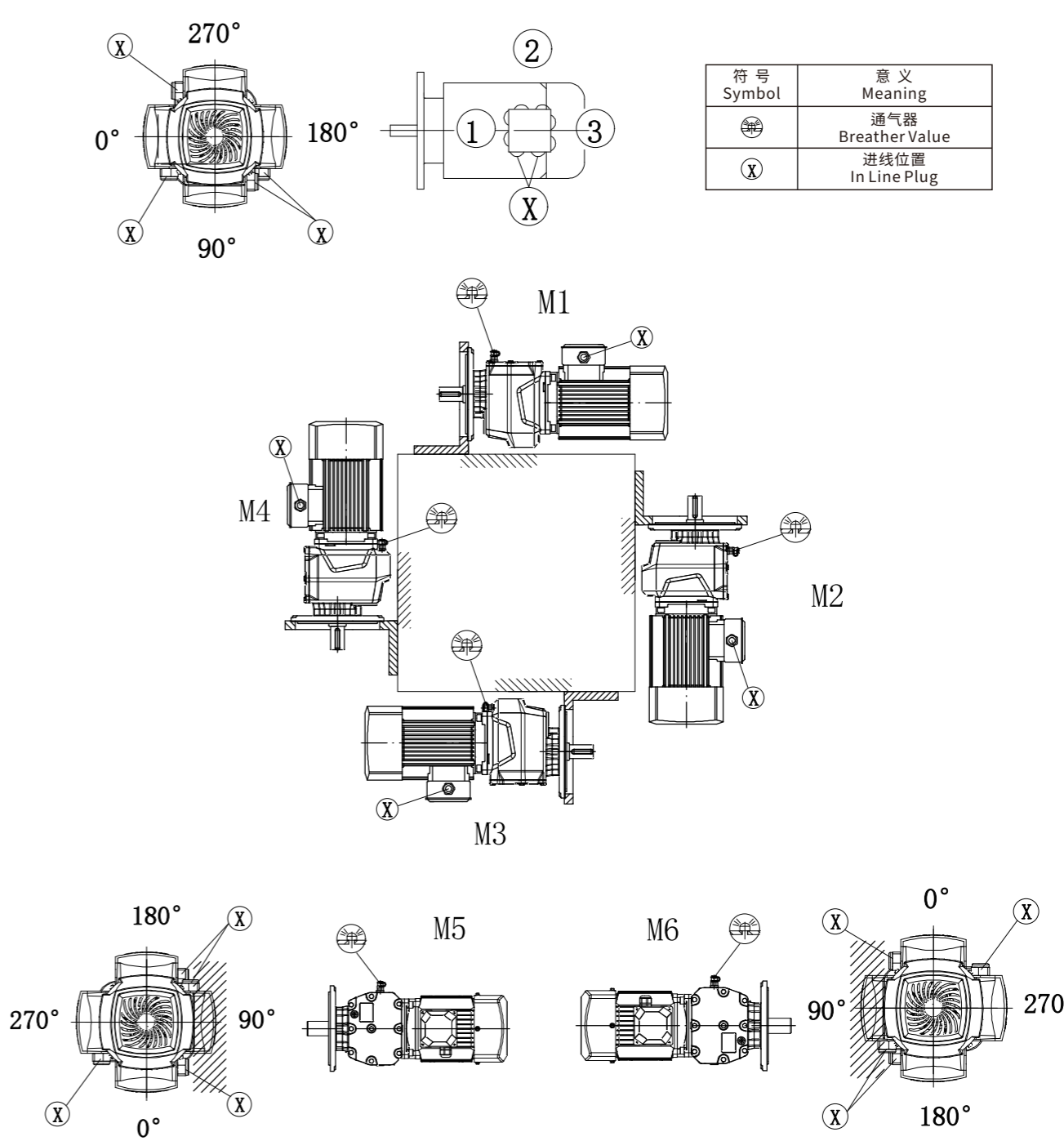
1	产品代码:NCJ系列齿轮减速机 Code: NCJ series helical gearbox
2	安装形式:T-底脚安装 F-法兰安装 IMounting Position: T-foot-mounted F-flange-mounted
3	减速机机座号:04--机座号 04、05 Gearbox Base: No. 04-Base No. 04、05
4	输入形式: F-带输入法兰、无-直联输入、PC-小减速机、04Y2-子机 Input Type: F-with input flange, N/A-inline motor, PC-small gearbox, /04Y2-Connecting gearbox
5	电机代码: 普通XGY、防爆YB、制动YEJ、变频YVF、多速YD变频制动YPEJ Motor Code: Ordinary-XGY, Explosion-proof-YB, Brake-YEJ, Variable frequency -YVF, Multi-speed -YD, Variable frequency & brake-YPEJ
6	电动机规格代号: 80--电机中心高为80mm Frame Size: 80-Height of motor center is 80mm
7	电动机定子铁心: 长度代号 C、D、K、N、S、M、L Stator Lengih: C、D、K、N、S、M、L
8	电动机极数: 2、4、6, 4--电动机极数为4 Number of Poles: 2、4、6, 4-4P
9	电机功率: 有数据表示带电机, 无数据表示不带电机 Motor powei: Data shown means with motor, No datn meang without motar
10	减速机传动比: 减速机传动比为94.51 Ratio: 94.51
11	安装位置: M1、M2、M3、M4、M5、M6安装 Mounting poslion: M1、M2、M3、M4、M5、M6 mounting posion
12	接线盒位置: 0°、90°、180°、270°安装 Thermal box postlon: 0°、90°、180°、270°
13	法兰直径: 无-标准安装, Y2-Y2系列法兰, φ200/φ35-φ200法兰/φ35输出轴, φ230/φ35- φ230法兰/φ35输出轴 Flange diameter:no-standard,y2-Y2 series flange,φ200/φ35- φ200flange/φ35output shaft,φ230/φ35 φ230flange/φ35output shatt

安装位置 Torque arm mounting position

NCJT系列 NCJT Series



NCJF系列 NCJF Series



减速器选型表 Gear unit selection tables

功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号	
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model	
P	n _a	T _a	i	F _{R2} ¹⁾	f _B		
[KW]		[N.m]	[r/min]	[N]			
0.25	1.3	1570	981.24	11200	0.32	NCJF04PC-XGY71C4 NCJT04PC-XGY71C4 额定扭矩500N.m	
	1.4	1462	908.95	10950	0.34		
	1.6	1321	844.15	10550	0.38		
	1.8	1147	733.17	10000	0.44		
	2.0	1061	685.31	9700	0.47		
	2.6	808	502.76	8710	0.62		
	3.3	647	402.74	7980	0.77		
	4.2	495	308.24	7160	1.01		
	7	312	192.88	6380	1.60	NCJF04-XGY71C4 NCJT04-XGY71C4	
	7	288	178.41	6270	1.73		
	9	249	154.30	6070	2.01		
	10	208	128.90	5800	2.40		
	11	191	118.00	5680	2.62		
	12	177	109.30	5570	2.83		
	14	153	94.51	5360	3.27		
	0.2	8388	5991.0	43900	0.09		NCJT05B/04Y2-XGY71C4 NCJT05/04Y2-XGY71C4 额定扭矩750N.m
0.3	7065	5045.5	41000	0.11			
0.3	5693	4066.1	37600	0.13			
0.4	4227	3018.7	33700	0.18			
0.7	2879	2056.2	28800	0.26			
1.3	1482	1019.1	21500	0.51			
1.4	1410	969.9	22450	0.53			
1.6	1209	831.3	21000	0.62			
0.37	1.7	1135	780.4	20600	0.66	NCJF05/04Y2-XGY71C4 NCJT05/04Y2-XGY71C4 额定扭矩750N.m	
	2.0	958	658.9	19000	0.78		
	2.7	722	496.7	16500	1.04		
	3.4	572	393.7	14900	1.31		
	4.2	462	318.0	13300	1.62		
	5.8	491	228.0	11200	1.53		
	1.3	2244	981.24	11200	0.22		NCJF04PC-XGY71D4 NCJT04PC-XGY71D4 额定扭矩500N.m
	1.4	2091	908.95	10950	0.24		
	1.6	1888	844.15	10550	0.26		
	1.8	1640	733.17	10000	0.30		

功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号	
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model	
P	n _a	T _a	i	F _{R2} ¹⁾	f _B		
[KW]		[N.m]	[r/min]	[N]			
0.37	2.0	1517	685.31	9700	0.33	NCJF04PC-XGY71D4 NCJT04PC-XGY71D4 额定扭矩500N.m	
	2.6	1155	502.76	8710	0.43		
	3.3	925	402.74	7980	0.54		
	4.2	708	308.24	7160	0.71		
	7	461	192.88	5650	1.08	NCJF04-XGY71D4 NCJT04-XGY71D4	
	7	427	178.41	5780	1.17		
	9	369	154.30	5630	1.36		
	10	308	128.90	5450	1.62		
	11	282	118.00	5360	1.77		
	12	261	109.30	5270	1.91		
	14	226	94.51	5100	2.21		
	0.2	12415	5991.0	43900	0.06		NCJT05B/04Y2-XGY71D4 NCJT05/04Y2-XGY71D4 额定扭矩750N.m
	0.3	10456	5045.5	41000	0.07		
	0.3	8426	4066.1	37600	0.09		
	0.4	6256	3018.7	33700	0.12		
	0.7	4261	2056.2	28800	0.18		
1.3	2112	1019.1	21500	0.36			
1.4	2087	969.9	22450	0.36			
1.6	1789	831.3	21000	0.42			
0.55	1.7	1679	780.4	20600	0.45	NCJF05/04Y2-XGY71D4 NCJT05/04Y2-XGY71D4 额定扭矩750N.m	
	2.0	1418	658.9	19000	0.53		
	2.7	1069	496.7	16500	0.70		
	3.4	847	393.7	14900	0.89		
	4.2	684	318.0	13300	1.10		
	5.8	491	228.0	11200	1.53		
	9	529	154.30	4680	0.95		NCJF04-XGY80K4 NCJT04-XGY80K4
	11	442	128.90	4100	1.13		
	12	404	118.00	4400	1.24		
	13	374	109.30	4615	1.34		
15	324	94.51	4710	1.54			
16	292	85.25	4850	1.71			
19	251	73.34	5055	1.99			
23	204	59.54	4885	2.45			

减速器选型表 Gear unit selection tables

功率	输出转速	输出转矩	传动比	出轴许用 径向负载	使用系数	型号
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B	
[KW]		[N.m]	[r/min]	[N]		
0.55	32	150	43.68	4335	3.34	NCJF04-XGY80K4 NCJT04-XGY80K4
	39	120	34.99	3935	4.17	
	48	98	28.65	3555	5.09	
	58	81	23.62	3325	6.18	
	77	61	17.88	2815	8.16	
	122	39	11.35	2655	12.86	
	153	31	9.03	2555	16.16	
	16	298	87.00	2480	1.34	NCJT04B-XGY80K4 NCJT04J-XGY80K4
	19	243	71.00	3260	1.64	
	23	202	59.00	3385	1.98	
	32	147	43.00	3200	2.72	
	39	120	35.00	3080	3.34	
	48	99	29.00	2930	4.03	
	60	79	23.00	2775	5.08	
	81	58	17.00	2555	6.87	
	89	53	15.00	2500	7.50	
	125	38	11.00	2285	10.62	
	153	31	9.00	2135	12.97	
7	666	191.66	10390	1.13	NCJF05-XGY80K4 NCJT05-XGY80K4	
10	330	141.33	10520	2.27		
14	238	101.73	10340	3.15		
19	173	73.83	9910	4.35		
24	136	58.01	9520	5.53		
29	110	46.99	9120	6.83		
37	86	36.92	8650	8.69		
49	66	28.24	8105	11.36		
71	46	19.41	7350	16.40		
90	36	15.25	6880	20.88		
0.75	144	23	9.58	6010	33.23	NCJF04-XGY80N4 NCJT04-XGY80N4
	13	514	109.30	3350	0.97	
	15	444	94.51	3020	1.12	
	16	401	85.25	3270	1.25	
	19	345	73.34	3520	1.45	
	23	280	59.54	3420	1.79	

功率	输出转速	输出转矩	传动比	出轴许用 径向负载	使用系数	型号
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B	
[KW]		[N.m]	[r/min]	[N]		
0.75	32	205	43.68	3320	2.43	NCJF04-XGY80N4 NCJT04-XGY80N4
	40	165	34.99	3200	3.04	
	49	135	28.65	3100	3.71	
	59	111	23.62	2890	4.50	
	78	84	17.88	2500	5.95	
	122	53	11.35	2285	9.37	
	154	42	9.03	2135	11.77	
	24	277	59.00	1830	1.44	NCJT04B-XGY80N4 NCJT04J-XGY80N4
	32	202	43.00	2920	1.98	
	40	165	35.00	2890	2.43	
	48	136	29.00	2780	2.93	
	60	108	23.00	2775	3.70	
	82	81	17.00	2460	4.96	
	89	72	15.00	2300	5.54	
	126	52	11.00	2220	7.67	
	154	43	9.00	2085	9.38	
	10	665	141.33	8700	1.13	
	14	478	101.73	9020	1.57	
19	347	73.83	8950	2.16		
24	273	58.01	8750	2.75		
30	221	46.99	8500	3.39		
38	174	36.92	8160	4.32		
49	133	28.24	7720	5.65		
72	92	19.41	7080	8.15		
91	72	15.25	6660	10.37		
145	45	9.58	5880	16.51		
1.1	19	502	73.34	3000	1.00	NCJF04-XGY90S4 NCJT04-XGY90S4
	24	408	59.54	3125	1.23	
	32	299	43.68	2940	1.67	
	40	240	34.99	2820	2.09	
	49	196	28.65	2670	2.55	
	59	162	23.62	2515	3.09	
	78	122	17.88	2295	4.08	
	123	78	11.35	2025	6.43	

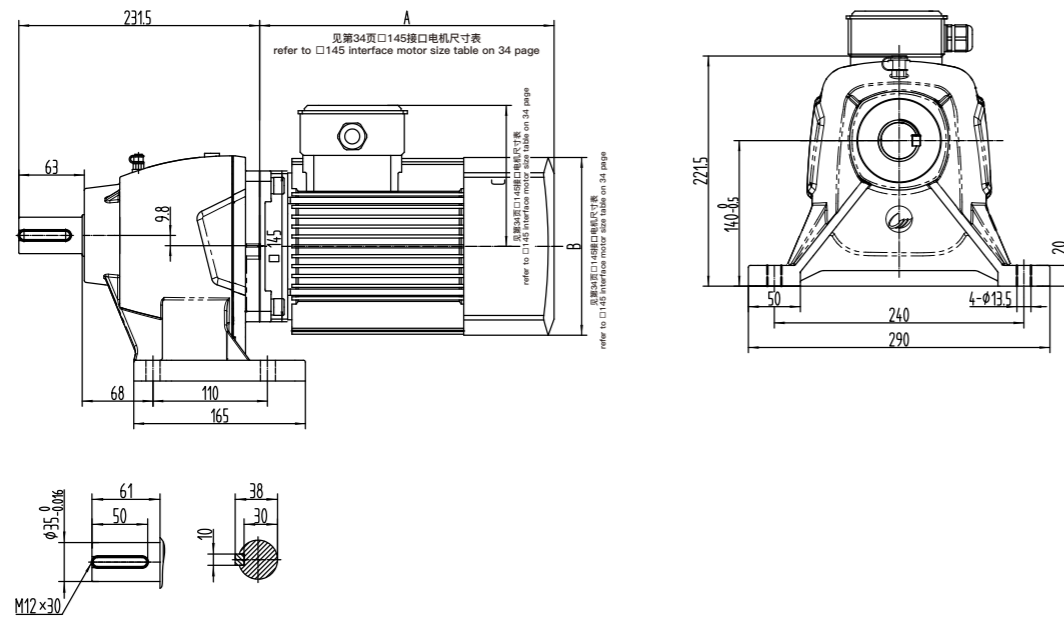
减速器选型表 Gear unit selection tables

功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号	
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model	
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B		
[KW]		[N.m]	[r/min]	[N]			
1.1	155	62	9.03	1875	8.09	NCJT04B-XGY90S4 NCJT04J-XGY90S4	
	24	398	59.00	1100	1.00		
	33	290	43.00	1100	1.38		
	40	236	35.00	1200	1.69		
	48	196	29.00	1945	2.04		
	61	155	23.00	2435	2.58		
	82	115	17.00	2305	3.48		
	90	105	15.00	2200	3.80		
	127	74	11.00	2115	5.38	NCJF05-XGY90S4 NCJT05-XGY90S4	
	156	61	9.00	2000	6.58		
	14	687	101.73	6830	1.09		
	19	499	73.83	7280	1.50		
	24	392	58.01	7440	1.91		
	30	317	46.99	7430	2.36		
1.5	38	249	36.92	7320	3.01	NCJF04-XGY90L4 NCJT04-XGY90L4	
	50	191	28.24	7080	3.93		
	72	131	19.41	6630	5.72		
	92	103	15.25	6300	7.28		
	146	65	9.58	5650	11.59	NCJF05-XGY100M4 NCJT05-XGY100M4	
	32	408	43.68	2940	1.23		
	40	327	34.99	2820	1.53		
	49	268	28.65	2670	1.87		
	59	221	23.62	2515	2.27		
	78	167	17.88	2295	2.99		
	123	106	11.35	2025	4.72		
	155	84	9.03	1875	5.93		
	1.5	33	396	43.00	1800	1.01	NCJT04B-XGY90L4 NCJT04J-XGY90L4
		40	322	35.00	2100	1.24	
48		267	29.00	2600	1.50		
61		212	23.00	2435	1.89		
82		157	17.00	2300	2.56		
90		143	15.00	2100	2.79		
127		101	11.00	2000	3.95		
156		83	9.00	1910	4.83		

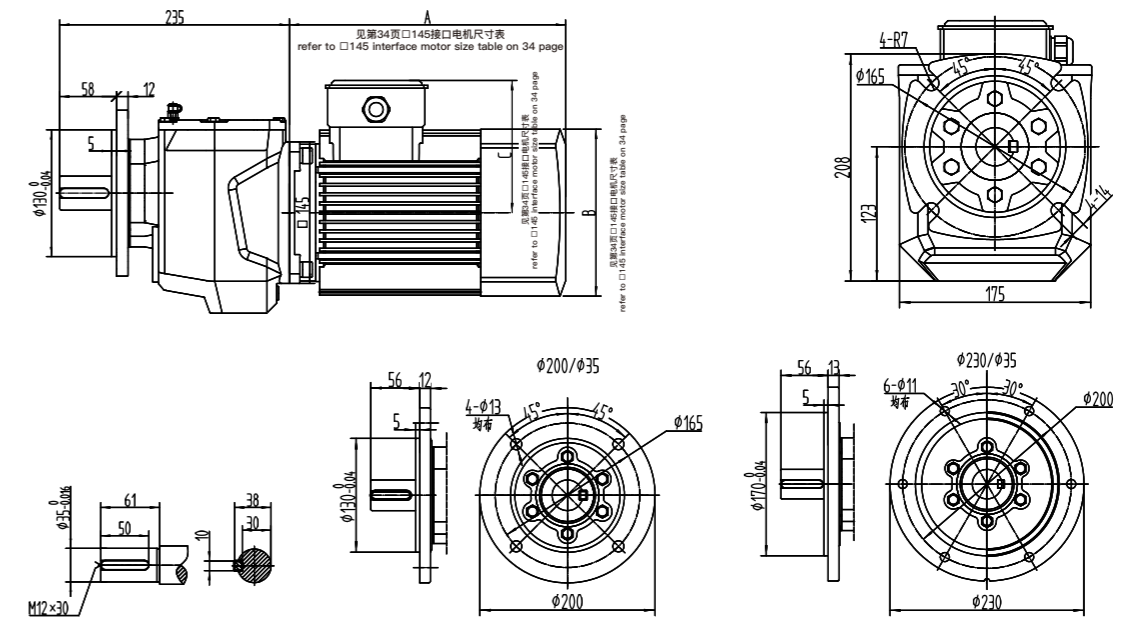
功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B	
[KW]		[N.m]	[r/min]	[N]		
1.5	19	680	73.83	5420	1.10	NCJF05-XGY90L4 NCJT05-XGY90L4
	24	534	58.01	5950	1.40	
	30	433	46.99	6230	1.73	
	38	340	36.92	6370	2.21	
	50	260	28.24	6350	2.88	
	72	179	19.41	6140	4.20	
	92	140	15.25	5920	5.34	
	146	88	9.58	5400	8.50	
2.2	25	767	58.01	4380	0.98	NCJF05-XGY100M4 NCJT05-XGY100M4
	30	621	46.99	4150	1.21	
	39	488	36.92	4730	1.54	
	51	373	28.24	5100	2.01	
	74	257	19.41	5270	2.92	
	94	202	15.25	5230	3.72	
	149	127	9.58	4960	5.92	
3	39	666	36.92	2870	1.13	NCJF05-XGY100L4 NCJT05-XGY100L4
	51	509	28.24	3670	1.47	
	74	350	19.41	4290	2.14	
	94	275	15.25	4450	2.73	
4	149	173	9.58	4470	4.34	NCJF05-XGY112M4 NCJT05-XGY112M4
	51	674	28.24	1910	1.11	
	74	463	19.41	3080	1.62	
	94	364	15.25	3490	2.06	
	150	229	9.58	3880	3.28	

产品安装尺寸 Product installation dimensions

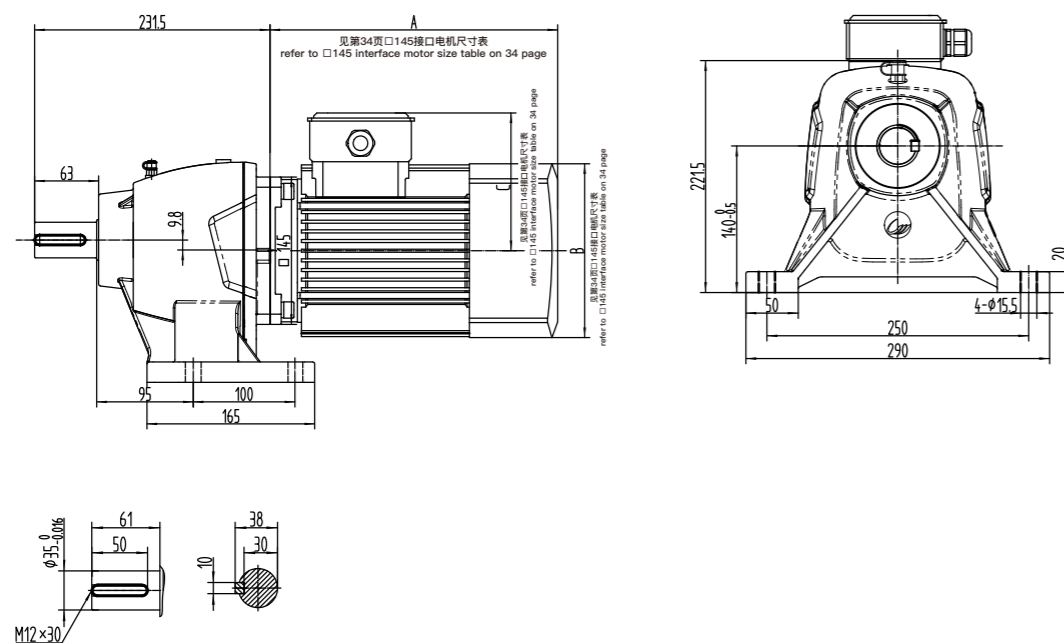
NCJT04B(替代摆线BWD1)



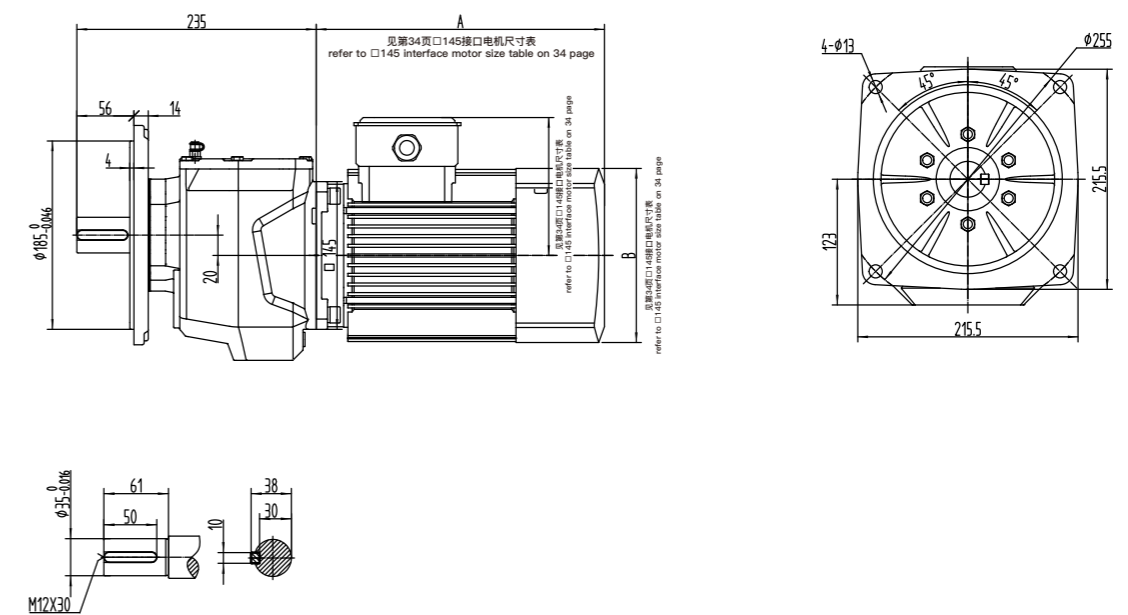
NCJF04...-Y2($\phi 200/\phi 35$ 、 $\phi 230/\phi 35$)



NCJT04J(替代摆线JXJ1)

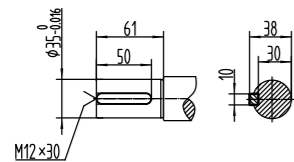
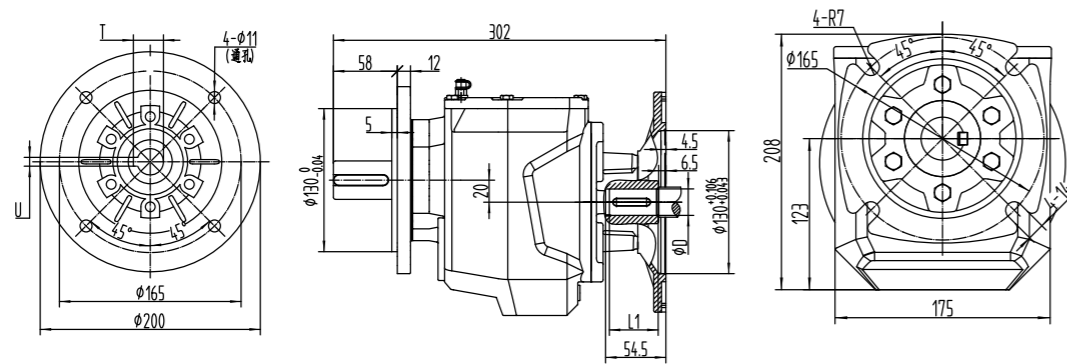


NCJF04...- $\phi 35$



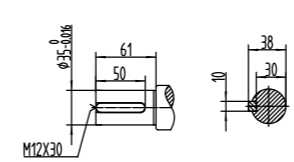
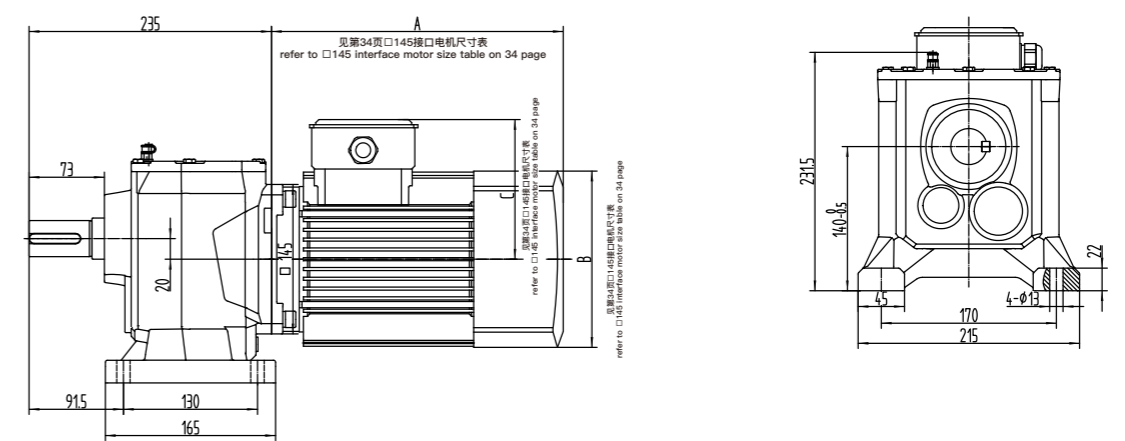
产品安装尺寸 Product installation dimensions

NCJF04F...-Y2

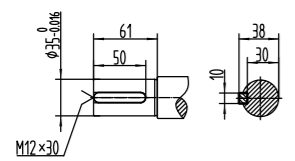
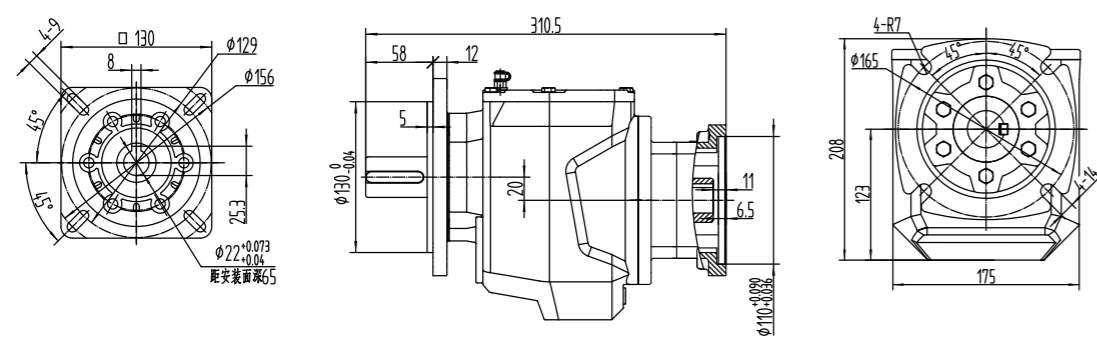


机座	功率	D	L1	T	U
80K/N	0.55/0.75	19 ^{+0.073} / _{+0.04}	40	21.8	6
90S/L	1.1/1.5	24 ^{+0.073} / _{+0.04}	50	27.3	8

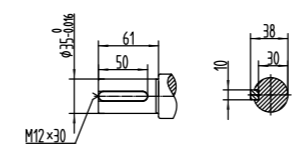
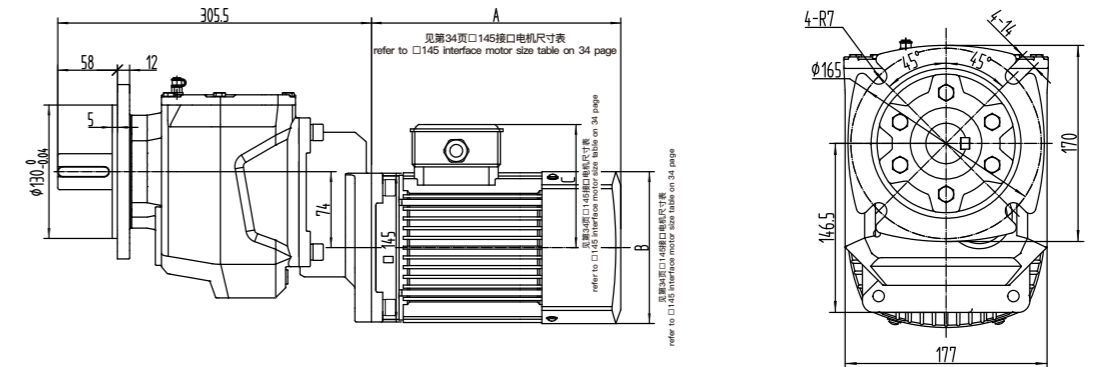
NCJT04...-φ35



NCJF04F-AQA130...-Y2

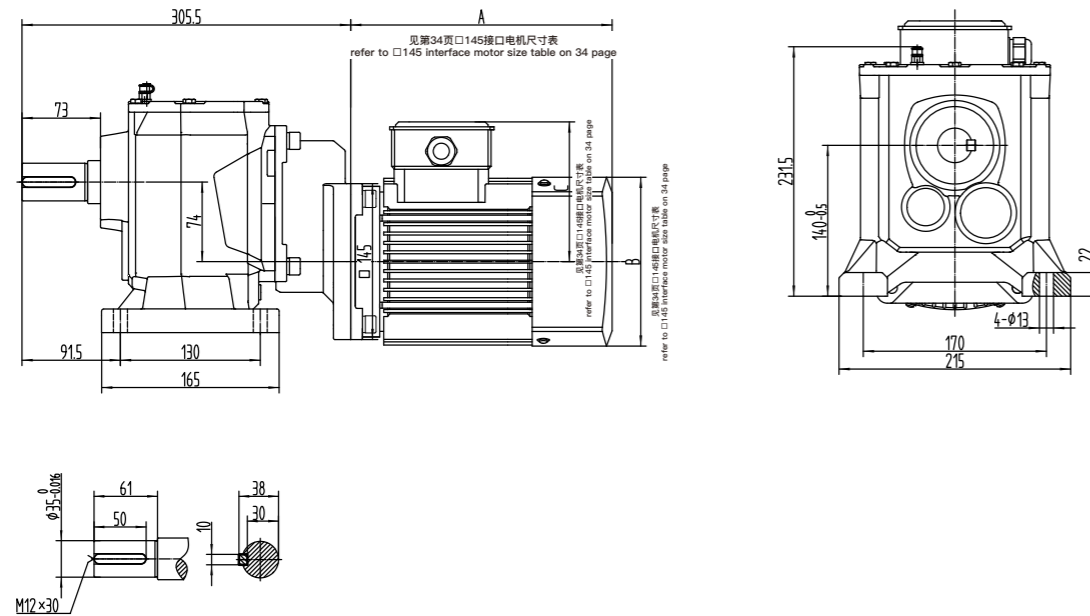


NCJF04PC...-Y2

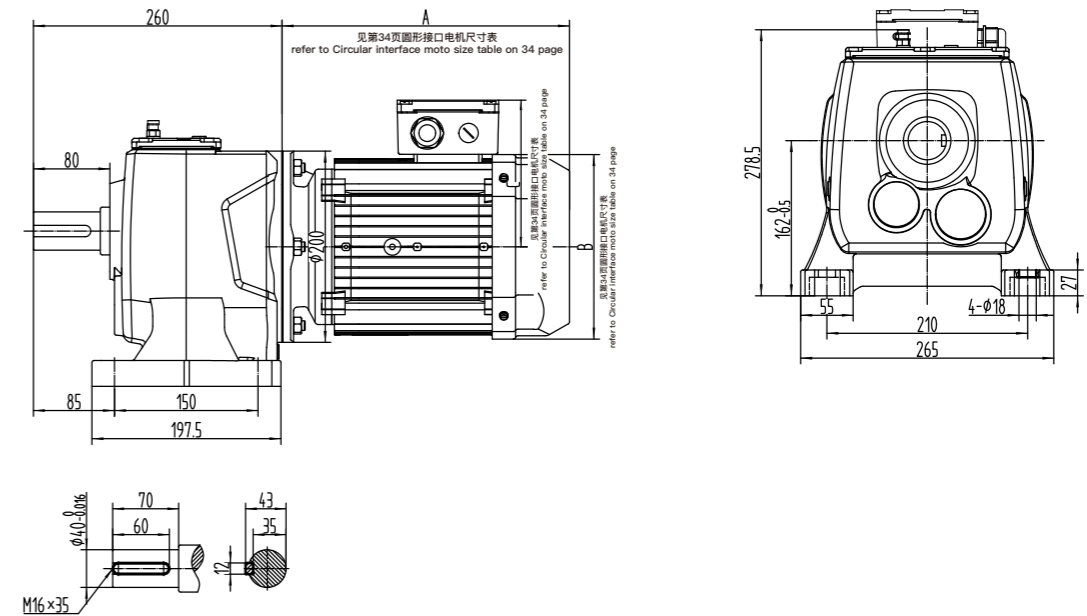


产品安装尺寸 Product installation dimensions

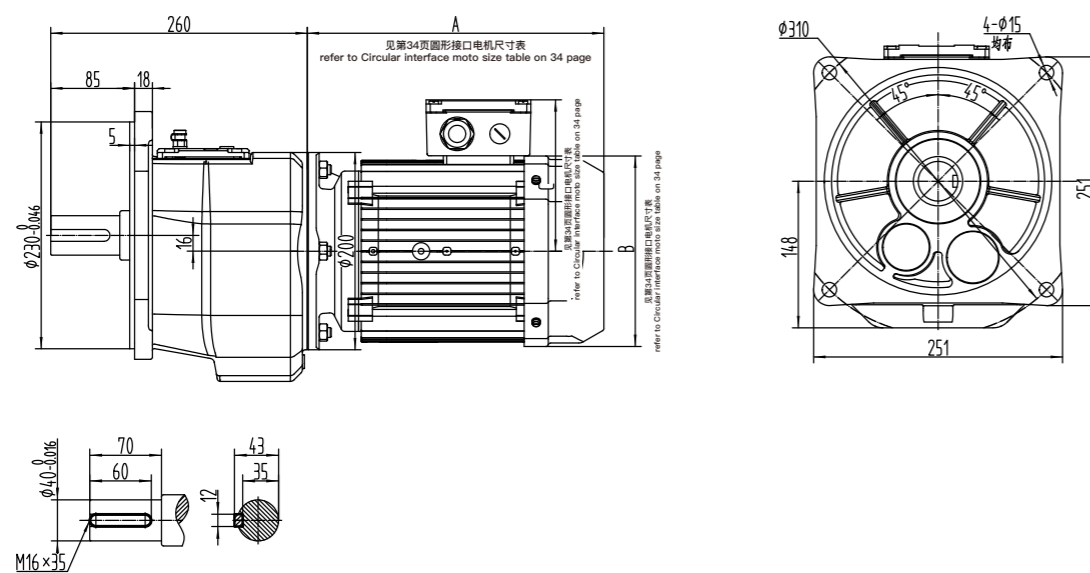
NCJT04PC...-φ35



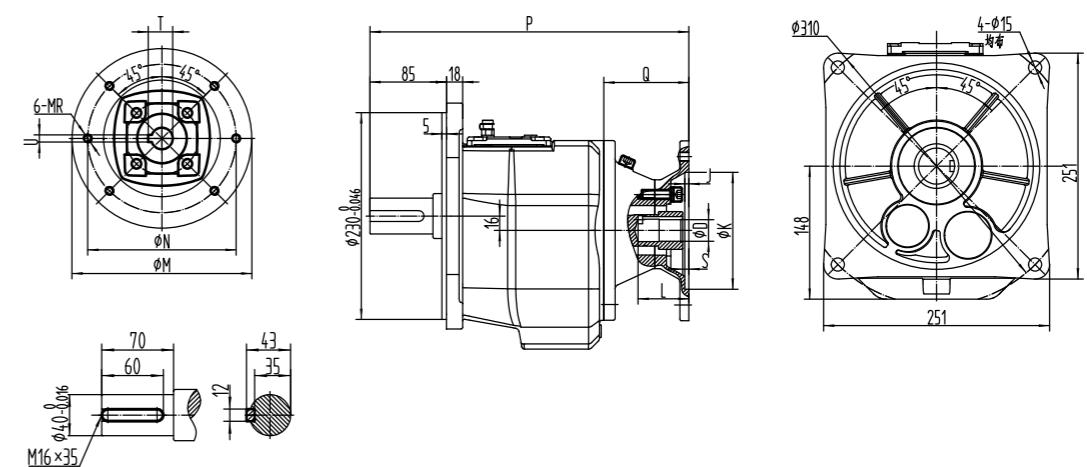
NCJT05



NCJF05



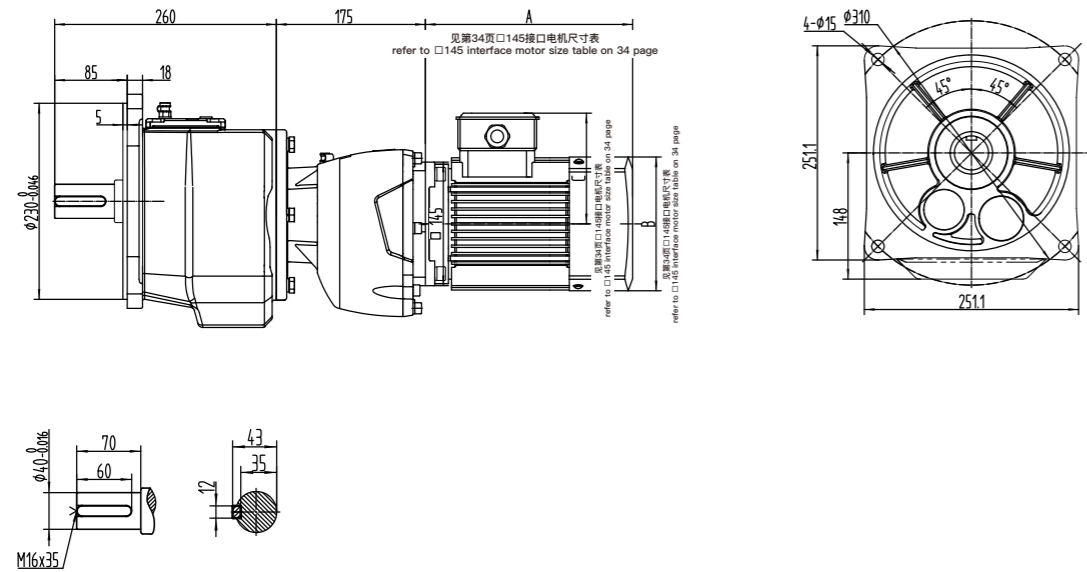
NCJF05F



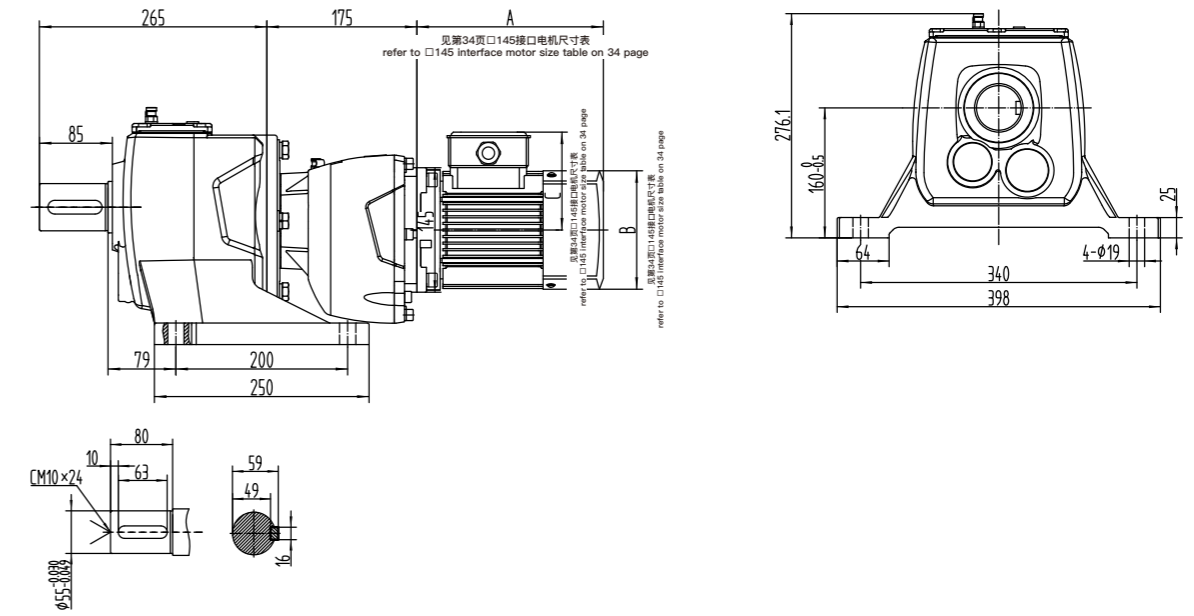
机座	功率	D	L	T	U	J	S	K	N	M	Q	P	MR
80K/N	0.75/0.55	$\Phi 19_{-0.04}^{+0.073}$	43	21.8	6	4.5	7	$\Phi 130_{-0.04}^{+0.04}$	$\Phi 165$	$\Phi 200$	94.5	354.5	M10
90S/L	1.1/1.5	$\Phi 24_{-0.04}^{+0.073}$	56.5	27.3	8	4.5	7	$\Phi 130_{-0.04}^{+0.04}$	$\Phi 165$	$\Phi 200$	94.5	354.5	M10
100M/L	2.2/3	$\Phi 28_{-0.04}^{+0.073}$	70	31.3	8	5	9	$\Phi 180_{-0.04}^{+0.04}$	$\Phi 215$	$\Phi 250$	126	386	M12
112M	4	$\Phi 28_{-0.04}^{+0.073}$	70	31.3	8	5	9	$\Phi 180_{-0.04}^{+0.04}$	$\Phi 215$	$\Phi 250$	126	386	M12

● 产品安装尺寸 Product installation dimensions

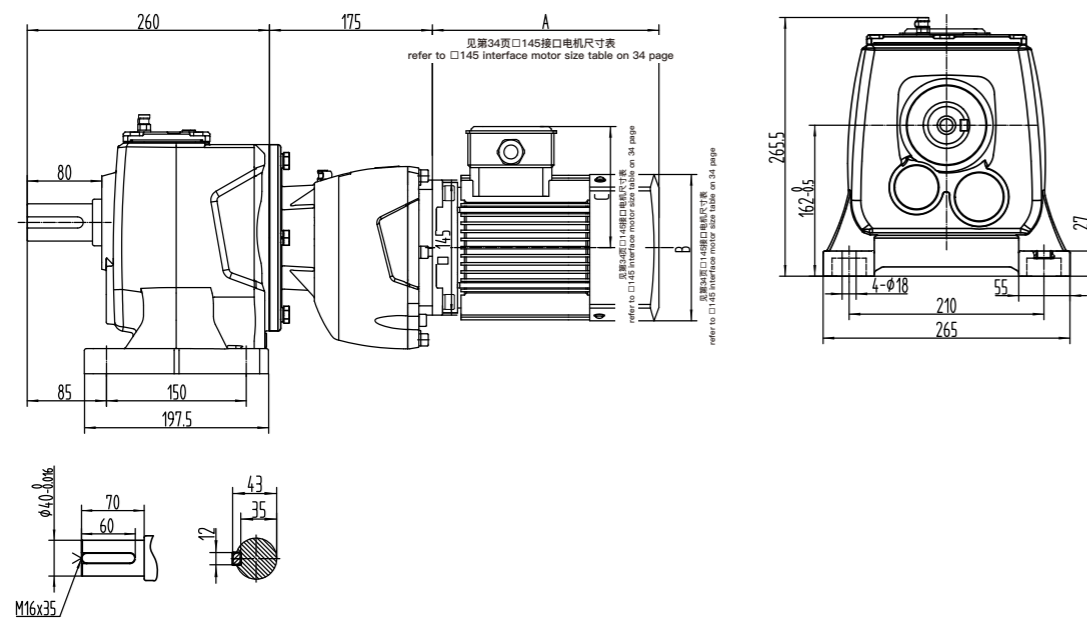
NCJF05/04Y2



NCJT05B/04Y2(替代摆线BWD3)



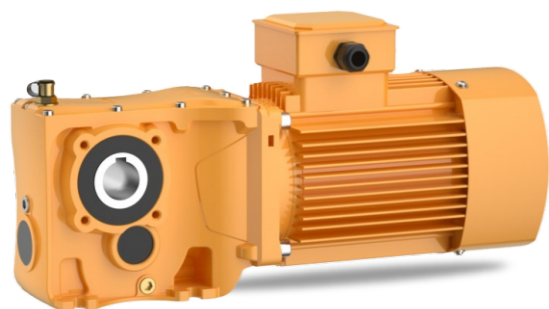
NCJT05/04Y2



SNKG200/405

斜齿轮—伞齿轮减速机

SNKG200/405 Helical-bevel Gear Motor



产品说明 Product Instruction

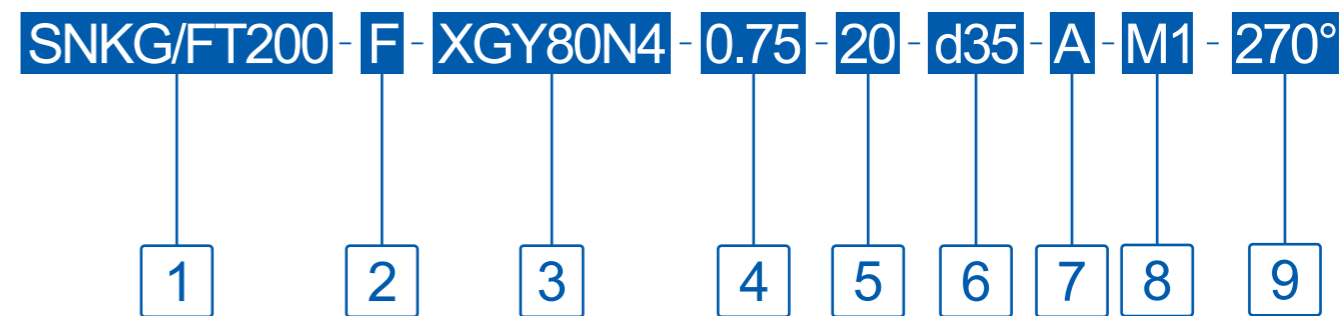
SNKG 系列采用硬齿面伞齿轮和斜齿轮传动，产品遵循模块化最优化设计理念，运用有限元分析技术，采用独特的低噪音齿轮齿形设计，确保设计的先进性；产品具有体积小，承载能力强，运转平稳，使用可靠，寿命长等特点。

SNKG series uses hard bevel and helical gear transmissions and following the design principles of serialized, modularizati, FEA analyse technology, unique low-noise teeth profile design, ensuring the advancement and reliability of product design, enjoys the characteristics of compact size, high capacity, stable operation, reliability and long service life.

产品特性 Product features

- 1 高精度伞齿+斜齿轮传动，强度高、重量轻、体积小。
High precision bevel+helical gear transmission, high rigidity, light weight, compact size.
- 2 具备法兰扭矩臂、地脚安装等多安装方式。
Flange torque, foot mounting are optional.
- 3 优化的减速机与母机直接传动解决方案，无需链条、链轮过度装置，解决了链条寿命短，维护成本高、现场润滑油污染等严重问题。
The solution that reducer directly connect machine without device such as any. chain, sprocket to resolve for short service life of chain, high maintenance cost, lubrication pollution.
- 4 360°立体安装，适合任何轴线传动需求，解决客户为提升整机效率，替换效率低减速机的安装问题。
360 degree installation suitable for transmission needs of glaze line relsove mounting of low efficient reducer replacement for efficiency improvement.

型号表示 Model representation



1	产品代码: Symbol:SNKG/FT-法兰扭矩臂 Flange torque SNKGA-A/B实心轴 Solid shaft SNKGA-空心轴 Hollow shaft 200/405-额定输出扭矩 Rated output torque
2	输入形式Inputtype: 带输入法兰 With input flange 无-直联输入 Inline motor
3	电机法兰及极数 Motor flange and poles
4	电机功率 Motor power
5	减速机速比 Ratio
6	输出孔径/轴径 Output shafthollow shaft diameter
7	轴指向Shaft direction:A-轴指向为 Direction A B-轴指向为 Direction B
8	安装位置 Mountion:M1、M2、M3、M4
9	接线盒位置 Junction box position: 0°、90°、180°、270°

型号实例:

- 1、法兰扭力臂空心轴安装: SNKG/FT200-XGY90L4-1.5-20-d35-M1-270°
- 2、空心轴输出 (不带扭力臂): SNKGA200-XGY90L4-1.5-20-d35-M1-270°
- 3、实心轴输出: SNKGA200-XGY90L4-1.5-20-d35-A-M1-270°
- 4、带AM模块: SNKGA200F、SNKGA200F-AQA130

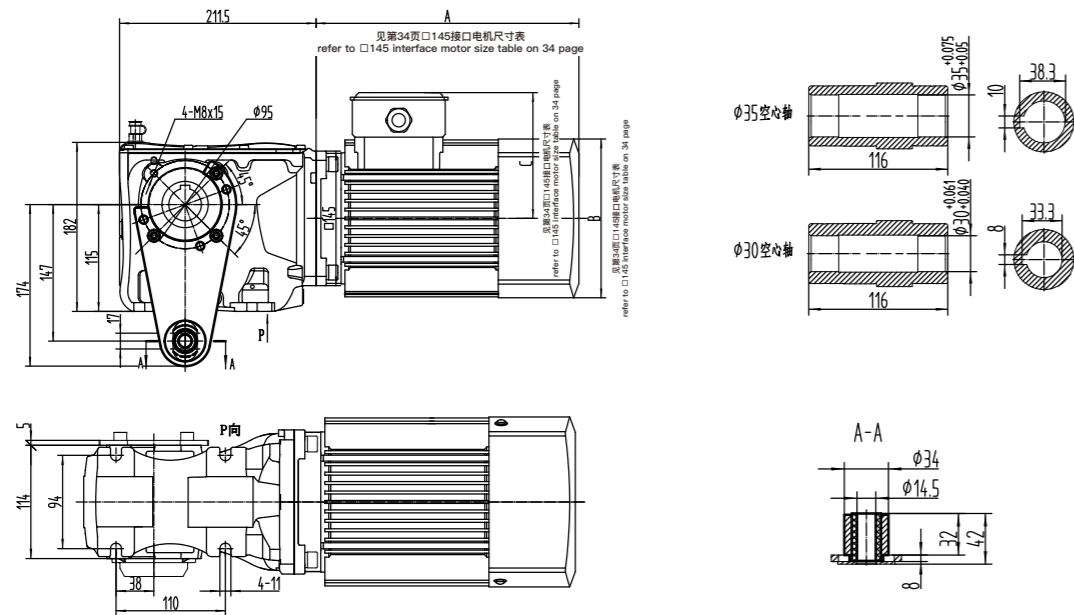
减速器选型表 Gear unit selection tables

功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号	
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model	
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B		
[KW]		[N.m]	[r/min]	[N]			
0.55	23	206	60	3100	0.97	SNKG200-XGY80K4	
	28	171	50	3000	1.17		
	31	154	45	2600	1.30		
	39	120	35	2280	1.67		
	46	103	30	1960	1.95		
	55	86	25	1720	2.34		
	69	69	20	1400	2.92		
	92	51	15	980	3.89		
	138	34	10	680	5.84		
	184	26	7.5	380	7.78		
0.75	31	209	45	3320	0.96	SNKG200-XGY80N4	
	40	162	35	3000	1.23		
	46	139	30	2680	1.44		
	56	116	25	2340	1.73		
	70	93	20	1900	2.16		
	93	70	15	1340	2.88		
	139	46	10	920	4.31		
	185	35	7.5	620	5.75		
1.1	47	203	30	4010	0.99	SNKG200-XGY90S4	
	56	169	25	3410	1.18		
	70	135	20	2780	1.48		
	93	101	15	1960	1.97		
	140	68	10	1340	2.96		
	187	51	7.5	1000	3.95		
1.1	23	400	60	5660	1.00	SNKG405-XGY90S4	
	28	338	50	5510	1.18		
	31	304	45	5400	1.32		
	35	270	40	5210	1.48		
	40	236	35	5030	1.69		
	47	203	30	4840	1.97		
	56	169	25	4630	2.37		
	70	135	20	4180	2.96		

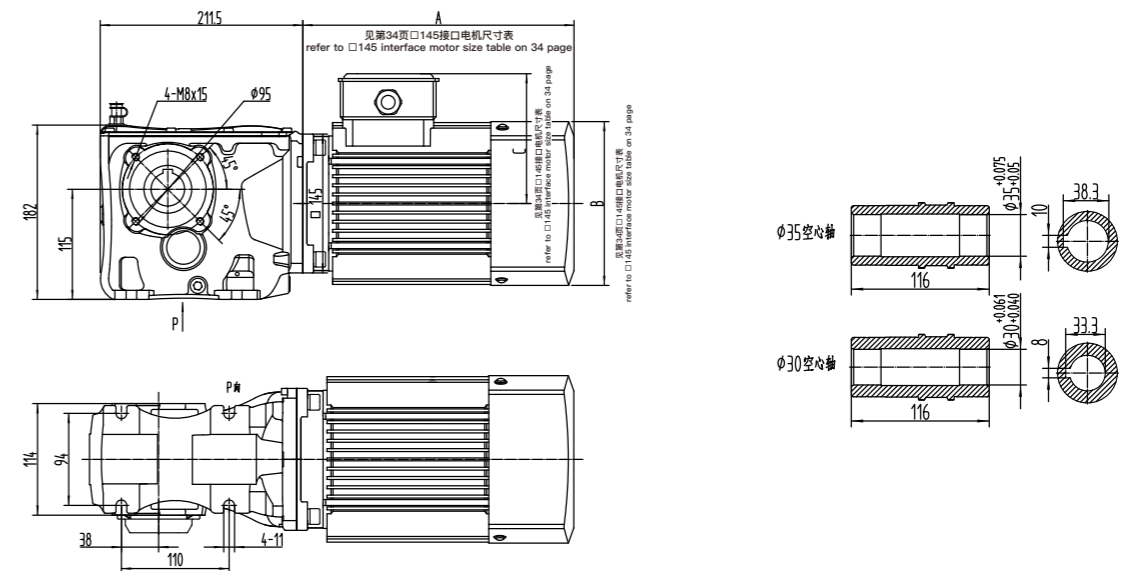
功率	输出转速	输出转矩	传动比	出轴许用径向负载	使用系数	型号		
Motor power	Output speed	Output torque	Ratio	Permitted overhung load	Service facto	Model		
P	n_a	T_a	i	$F_{R2}^{(1)}$	f_B			
[KW]		[N.m]	[r/min]	[N]				
1.1	93	101	15	3770	3.95	SNKG405-XGY90S4		
	140	68	10	3220	5.92			
1.5	70	184	20	3790	1.09	SNKG200-XGY90L4		
	93	138	15	2680	1.45			
	140	92	10	1840	2.17			
	187	69	7.5	1500	2.90			
	1.5	35	368	40	5000	1.09	SNKG405-XGY90L4	
		40	322	35	4950	1.24		
		47	276	30	4850	1.45		
		56	230	25	4650	1.74		
70		184	20	4200	2.17			
93		138	15	3780	2.90			
140		92	10	3230	4.34			
48		397	30	4780	1.01			
2.2		57	331	25	4590	1.21		SNKG405-XGY100M4
		72	264	20	4150	1.51		
	95	198	15	3740	2.02			
	143	132	10	3200	3.03			
3	57	451	25	4650	0.89	SNKG405-XGY100L4		
	72	361	20	4150	1.11			
	95	270	15	3750	1.48			
	143	180	10	3210	2.22			

产品安装尺寸 Product installation dimensions

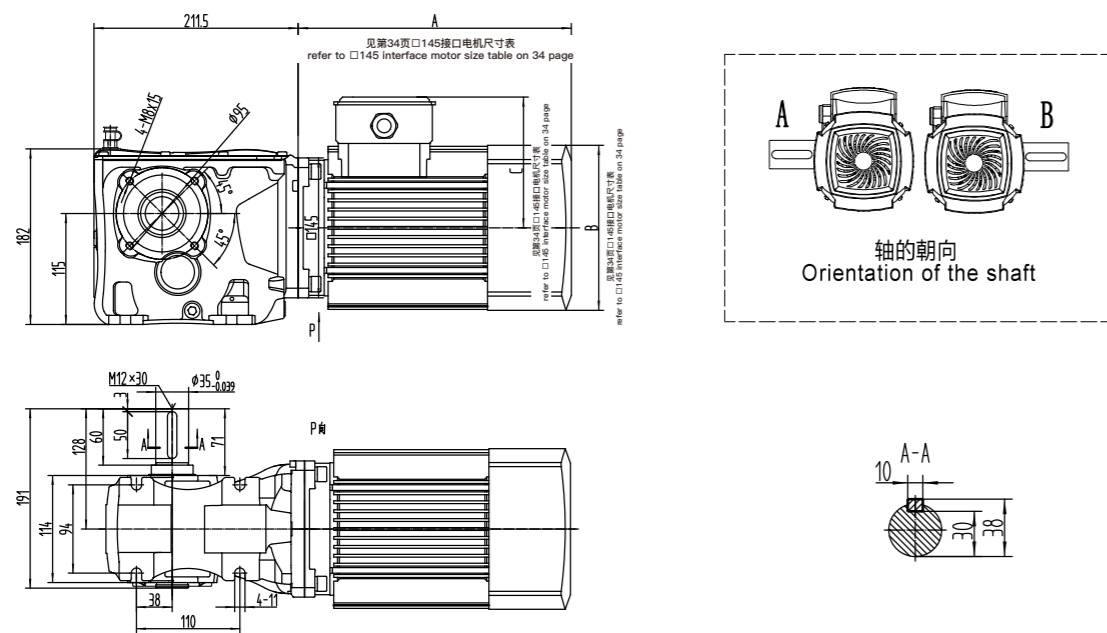
法兰扭力臂空心轴安装 Flange torque arm hollow shaft mounting



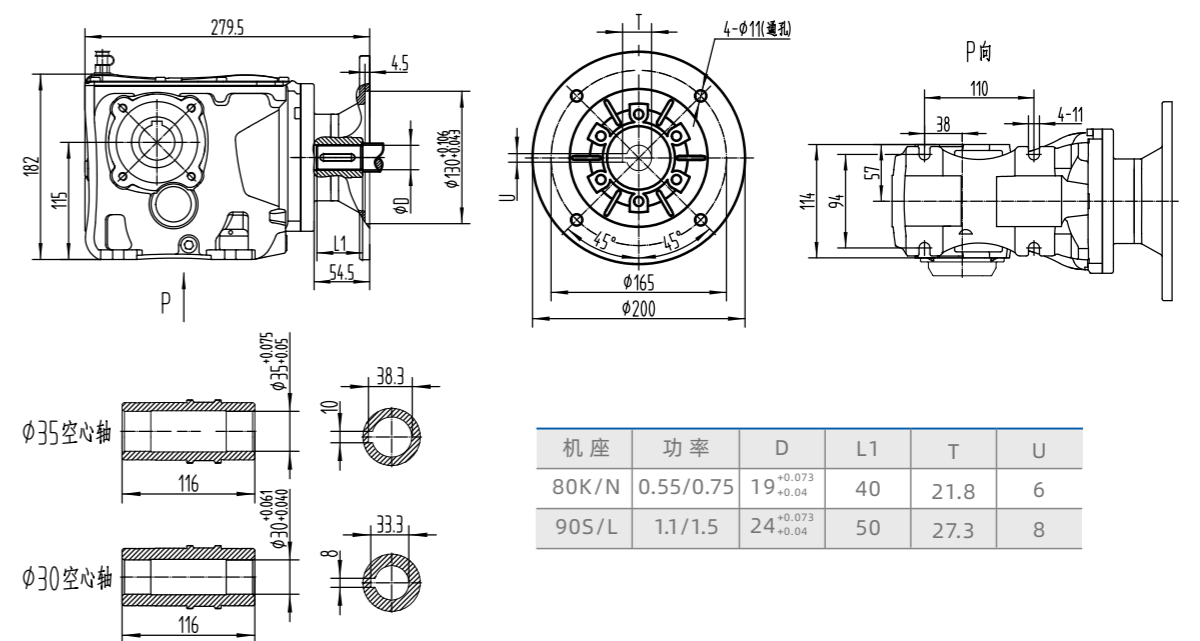
空心输出轴安装 Solid output shaft mounting



实心输出轴安装 Hollow output shaft mounting



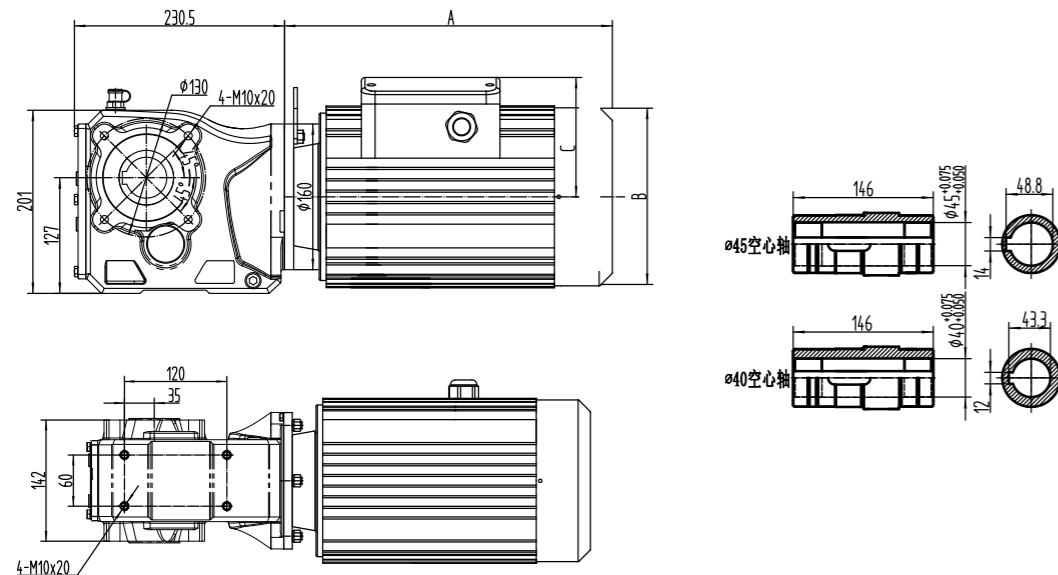
SNKGA200F



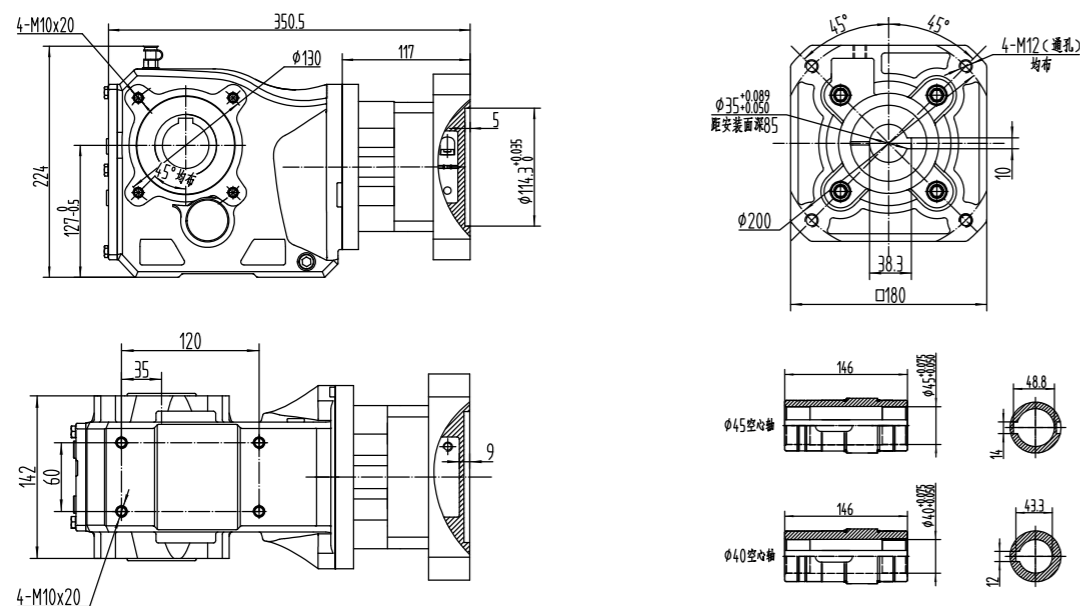
机座	功率	D	L1	T	U
80K/N	0.55/0.75	19 ^{+0.073} _{+0.04}	40	21.8	6
90S/L	1.1/1.5	24 ^{+0.073} _{+0.04}	50	27.3	8

产品安装尺寸 Product installation dimensions

SNKGA405



SNKGA405F-AQA180



SMQ340

伺服驱控一体机

SMQ340 Servo Drive Control Integrated Geared Motor

产品说明 Product Instruction

伺服驱控一体机是集成了传动、驱动、控制于一体的智能化产品，主要为解决陶瓷大板砖釉线的抖动、高能耗、低效率、维护难、环境温度高、智能水平低等问题而研发的创新性产品。同时，该产品也广泛应用于物流、食品、饮料、纺织等行业的传动输送线上。



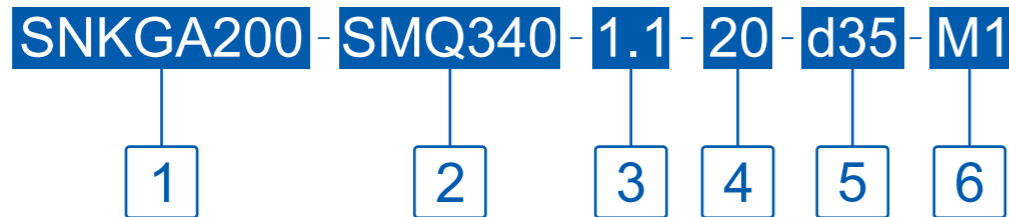
SMQ340 is an intelligent product integrating transmission, drive, control as well as an innovative product to solve slab tile shaking, high energy consumption, low efficiency, difficult maintenance, high ambient temperature and low intelligent level. At the same time, the product is also widely used in the conveyor, logistics, food, beverage, textile and other industries.

产品特性 Product features

- 1 稳定可靠：具有低速扭矩恒定无波动、速度稳定无转差、IP65高防护、55℃耐高温等可靠品质，使大板砖无抖动、匀速、稳定通过淋釉，无褶皱。
Stability and reliability: low speed, constant torque, no fluctuation, steady speed with slip, high protection IP65, high temperature resistance 55 °C. That make slab tile go through glazing at uniform speed without wrinkles
- 2 工业智能：采用 CAN总线通讯，与上位数据传输特点是速度快、数量大；支撑工厂的信息化建设、智能化改造；具有定制不同类型的总线通讯、手机APP调试等功能。
Industrial intelligence: bus communication, and data transmission with upper computer is characterized by high speed and large quantity; it supports the information construction and intelligent transformation of the factory; it has the functions of customized different types of bus communication, mobile app debugging, etc.
- 3 节能降本：在传动效率、节电成本均比异步电机高出20%以上的同时，降低了控制柜、配电线材、人工成本、安装周期等。
Energy saving and cost reduction: the transmission efficiency and power saving cost are more than 20% than that of asynchronous motor, to reduce control cabinet, wire distribution, labor cost and installation cycle;
- 4 一键转产：将生产数据统一划分、存储，转产时可一键下发数据，一秒即可完成转产操作。
One click production transfer: the production data is divided and stored in a unified way. When the production is transferred, the data can be distributed with one click, and this way take one second only.

型号表示 Model representation

一体机配 SNKG200 系列减速机型号表示 Model representation of geared motor with SNKG200 series reducer



1	SNKGA200	减速机型号 Model of reducer	斜齿减速机 Helical geared motor
2	SMQ340	伺服驱控一体机型号 Model of SDCI geared motor	340系列一体机 340 series SDCI geared motor
3	1.1	一体机额定功率1.1kW Rated power of SDCI geared motor	额定扭矩7N.m Rated torque
4	20	减速机的减速比 reduction ratio	减速机转速=一体机转速/减速比 output speed =SDCI motor/ratio
5	d35	减速机输出孔/轴径 output hole and shaft diameter	
6	M1	减速机安装位置 Mounting position	参照SNKG200安装位置表 RefertoSNKG200mountingposition

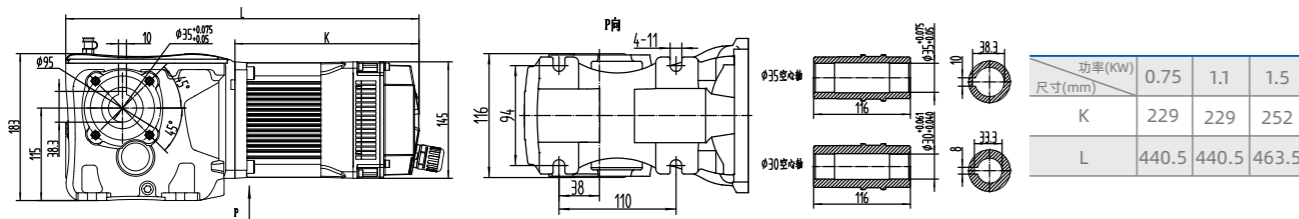
一体机配 SNKG200 系列减速机选型 selection of Geared motor with SNKG200 reducer

以1.1kW 功率的一体机为例，其他功率依此类推 For example SDCI geared motor with1.1kw

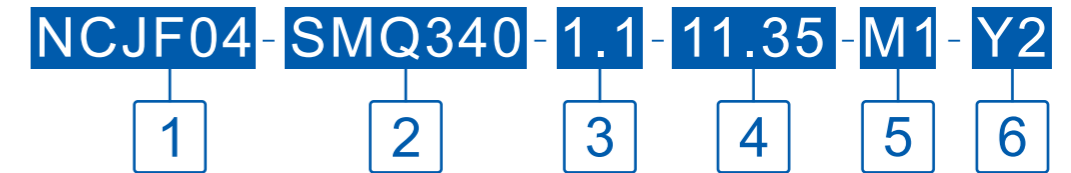
功率 Power KW	减速比 Ratio I	减速机额定转速范围 Rated speed range n [r/min]	额定频率 Rated frequency f[Hz]	减速机输出扭矩 Output torque T [N.m]	型号 Model
1.1	10	0-150	125	70	SNKGA200-SMQ340-1.1-10-d35-M1
	15	0-100		105	SNKGA200-SMQ340-1.1-15-d35-M1
	20	0-75		140	SNKGA200-SMQ340-1.1-20-d35-M1
	25	0-60		175	SNKGA200-SMQ340-1.1-25-d35-M1
	30	0-50		200	SNKGA200-SMQ340-1.1-30-d35-M1
	40	0-37.5		200	SNKGA200-SMQ340-1.1-40-d35-M1

注: 1)SNKG200系列额定输出扭矩为200N.m 2)推荐速比: 10/20/30/40,功率: 0.75/1.1/1.5
Notes:1)SNKG200 series rated torque 200N.m 2)Recommended speed ratio:10/20/30/40,power:0.75/1. 1/1.5

一体机配 SNKG200 系列安装尺寸 Mounting Dimension for SDCI gear motor with SNKG200



一体机配NCJF04...-Y2系列减速机型号表示 Model representation of geared motor with NCJF04...-Y2 series reducer



1	NCJF04	减速机型号 Model of reducer	斜齿减速机 Helical geared motor
2	SMQ340	伺服驱控一体机型号 Model of SDCI geared motor	B40系列一体机 340 series SDCI geared motor
3	1.1	一体机额定功率1.1kW Rated power of SDCI geared motor	额定扭矩7N .m Rated torque
4	11.35	减速机的减速比 reduction ratio	减速机转速=一体机转速/减速比 Output speed=SDCI motor/ratio
5	M1	减速机安装位置 Mounting positior	参照NCJ安装位置表 Referto NCJ mountingposition
6	Y2	法兰直径 Flange diameter	Y2-Y2系列法兰 Y2-Y2 series flange

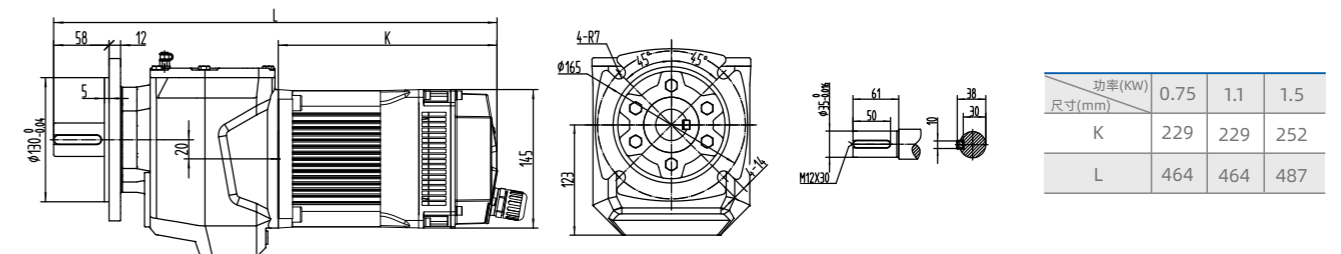
一体机配 NCJF04...-Y2系列减速机选型 Geared motor and NCJF04...-Y2 reducer matching selection

以1.1kW 功率的一体机为例，其他功率依此类推 For example SDCI geared motor with1.1kW

功率 Power KW	减速比 Ratio I	减速机额定转速范围 Rated speed range n [r/min]	额定频率 Rated frequency f[Hz]	减速机输出扭矩 Output torque T [N.m]	型号 Model
1.1	9.03	0-166	125	63	NCJF04-SMQ340-1.1-9.03-M1-Y2
	11.35	0-132		79	NCJF04-SMQ340-1.1-11.35-M1-Y2
	17.88	0-84		125	NCJF04-SMQ340-1.1-17.88-M1-Y2
	23.62	0-63		165	NCJF04-SMQ340-1.1-23.62-M1-Y2
	28.65	0-52		201	NCJF04-SMQ340-1.1-28.65-M1-Y2
	34.99	0-42		245	NCJF04-SMQ340-1.1-34.99-M1-Y2
43.68	0-34	306	NCJF04-SMQ340-1.1-43.68-M1-Y2		

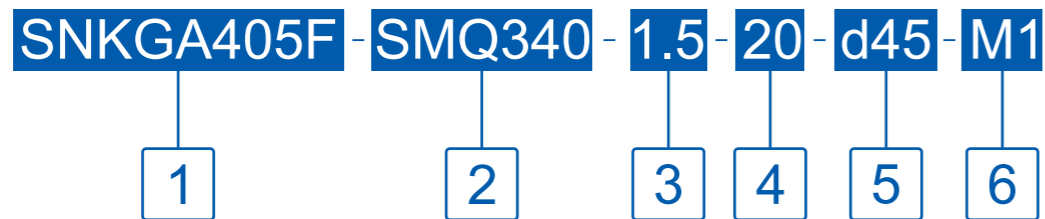
注: 1)NCJF04...-Y2系列额定输出扭矩为500N.m2)推荐速比: 9.03/17.88/28.65/43.68,功率: 0.75/1.1/1.5/2.2
Notes:1)NCJF04...-Y2 series rated torque400N.m2) Recommended speed ratio: 9.03/17.88/28.65/43.68, poWer:0.75/1.1/1.5/2.2

一体机配NCJF04...-Y2系列安装尺寸Mounting Dimension for SDCI geared motor with NCJF04...-Y2



型号表示 Model representation

一体机配SNKGA405 系列减速机型号表示 Model representation of geared motor with SNKGA405 series reducer



1	SNKGA405F	减速机型号(带输入法兰) Model of reducer(with input flange)	斜齿减速机 Helical geared motor
2	SMQ340	伺服驱控一体机型号 Model of SDCI geared motor	340系列一体机 340 series SDCI geared motor
3	1.5	一体机额定功率1.5kW Rated power of SDCI geared motor	额定扭矩10N.m Bated torque
4	20	减速机的减速比 Reduction ratio	减速机转速=一体机转速/减速比 Output speed =SDCI motor/ratio
5	d45	减速机输出孔 Output hole and shaft diamete	
6	M1	减速机安装位置 Mounting position	参照SNKG405安装位置表 Refer to SNKG405 mounting position

一体机配SNKGA405 系列减速机选型 Seledion of Geared motor with SNKGA405 reducer

以1.5kW 功率的一体机为例, 其他功率依此类推 For example SDCI geared motor with1.5kw

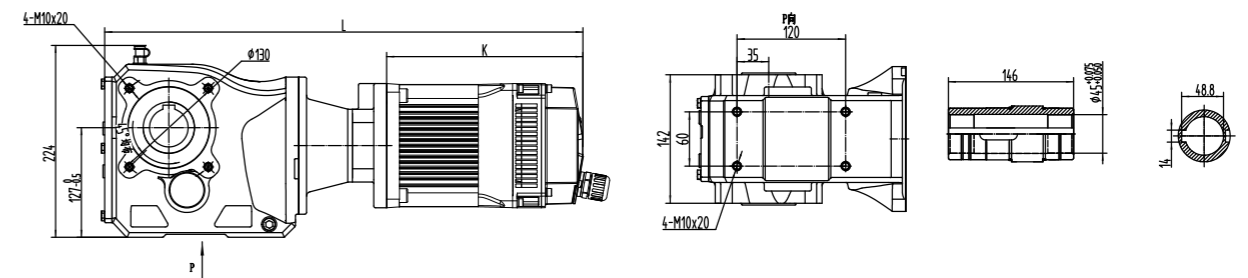
功率 Power KW	减速比 Ratio I	减速机额定转速范围 Rated speed range n [r/min]	额定频率 Rated frequency f[Hz]	减速机输出扭矩 Output torque T [N.m]	型号 Model
1.1	10	0-150	125	100	SNKGA405F-SMQ340-1.5-10-d45-M1
	15	0-100		150	SNKGA405F-SMQ340-1.5-15-d45-M7
	20	0-75		200	SNKGA405F-SMQ340-1.5-20-d45-M1
	25	0-60		250	SNKGA405F-SMQ340-1.5-25-d45-M]
	30	0-50		300	SNKGA405F-SMQ340-1.5-30-d45-M1
	35	0-42		350	SNKGA405F-SMQ340-1.5-35-d45-M1
	40	0-37		400	SNKGA405F-SMQ340-1.5-40-d45-M7
	45	0-33		400	SNKGA405F-SMQ340-1.5-45-d45-M1
	50	0-30		400	SNKGA405F-SMQ340-1.5-50-d45-M1

注: 1) SNKGA405 系列额定输出扭矩为400N.m 2) 推荐速比: 10/20/30/40,功率: 1.5/2.2kW

Notes:1)SNKGA405 series rated torque 400N.m 2) Recommended speed ratio:10/20/30/40,power:1.5/2.2kw

产品安装尺寸 Product installation dimensions

一体机配SNKGA405 系列安装尺寸 Mounting Dimension for SDCI gearedmotor with SNKGA405

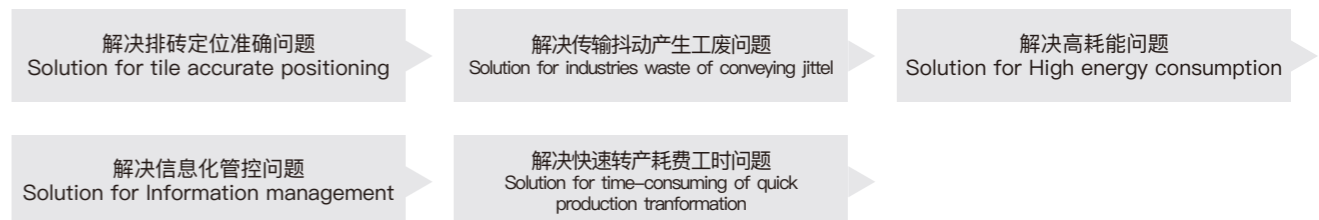


尺寸(mm)	功率(KW)	0.75	1.1	1.5
K		229	229	252
L		558	558	581

一体机规格 Geared motor speification

序号	功率[Kw] Input power	额定频率[Hz] Rated frequency	额定转速[rpm] Rated speed	额定扭矩[N.m] Rated torque
1	0.75	125Hz	1500	4.8
2	1.1	125Hz		7
3	1.5	125Hz		10
4	2.2	125Hz		14

智能伺服驱控整体解决方案 Intelligent servo drive control solution



减速机重量表 Reducer Weight Gauge

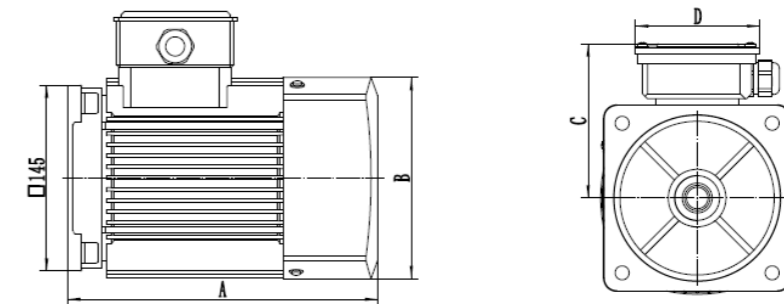
减速电机重量 Gear motor weights
 减速机重量 Gear Reducer weights

Gear reducer size	Kg (参考值Reference value)	Motor size	Kg (参考值Reference value)
NCJT04B	15	□145-XGY71C4	7
NCJT04J	15	□145-XGY71D4	8
NCJT04	17	□145-XGY80K4	10
NCJF04...-φ32×55	13	□145-XGY80N4	11
NCJF04...-Y2	11	□145-XGY90S4	15
NCJF04...φ200/φ38×70	12.5	□145-XGY90L4	17
NCJF04...-φ230/φ35×46	13.5	□145-XGY100M4	24
NCJF04...φ200/φ35	12.5		
NCJF04...φ230/φ35	13.5	φ160-XGY90S4	17.5
PC模块	6	φ160-XGY90L4	21
NCJT05-2/3级	25/28	φ160-XGY100M4	25.5
NCJT05-2/3级	25/28	φ160-XGY100L4	28.5
NCJT05/04Y2	37.5		
NCJF05/04Y2	37.5	φ200-XGY90S4	18.5
NCJT05B/04Y2	41	φ200-XGY90L4	22
SNKGA200	10	φ200-XGY100M4	26.5
SNKGA405	21	φ200-XGY100L4	30
		φ200-XGY112L4	40

注：减速机重量表中重量值为参考值，需要特定速比时精确值及减速机附带其它输入输出模块的重量值，请咨询本公司。
 Note: The weight values in the gear reducer weight table are for reference only. For precise values when specific speed ratios are required, as well as the weight values of additional input and output modules accompanying the gear reducer, please consult our company.

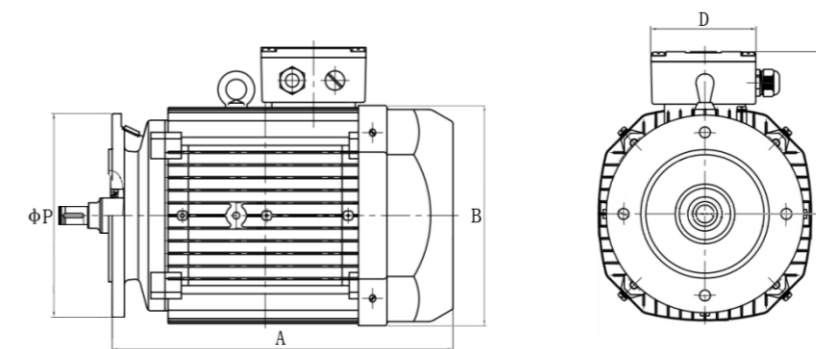
电机尺寸表 The memo

□145接口电机尺寸表 / □145 interface motor size table



机座号	□145	A					B	C	D
		Y2	YE3	YVP	YEJ	YVPEJ			
71C4	□145	217	/	275	275	322	138	114	97
71D4		217	/	275	275	322	138	114	97
80K4	□145	240	287	290	305	350	162	140	97
80N4		240	287	290	305	350	162	140	97
90S4		283	286	328	356	390	176	138	105
90L4		293	311	330	356	390	176	138	105
100M4		/	387	385	/	/	205	158	122

圆形接口电机尺寸表 / Circular interface motor size table



机座号	ΦP	A					B	C	D
		Y2	YE3	YVP	YEJ	YVPEJ			
80K/N4	160	265	/	324	314	373	148	108	120
	200	259	/	318	308	412	148	108	120
90S/L4	160	309	/	365	364	420	169	139	151
	200	301	/	357	356	437	169	139	151
100M/L4	160	326	/	400	390	445	195	131	152
	200	318	/	392	382	495	195	131	152
112M4	160	384	/	427	459	504	213	151	176
	200	373	/	418	450	529	213	151	176

