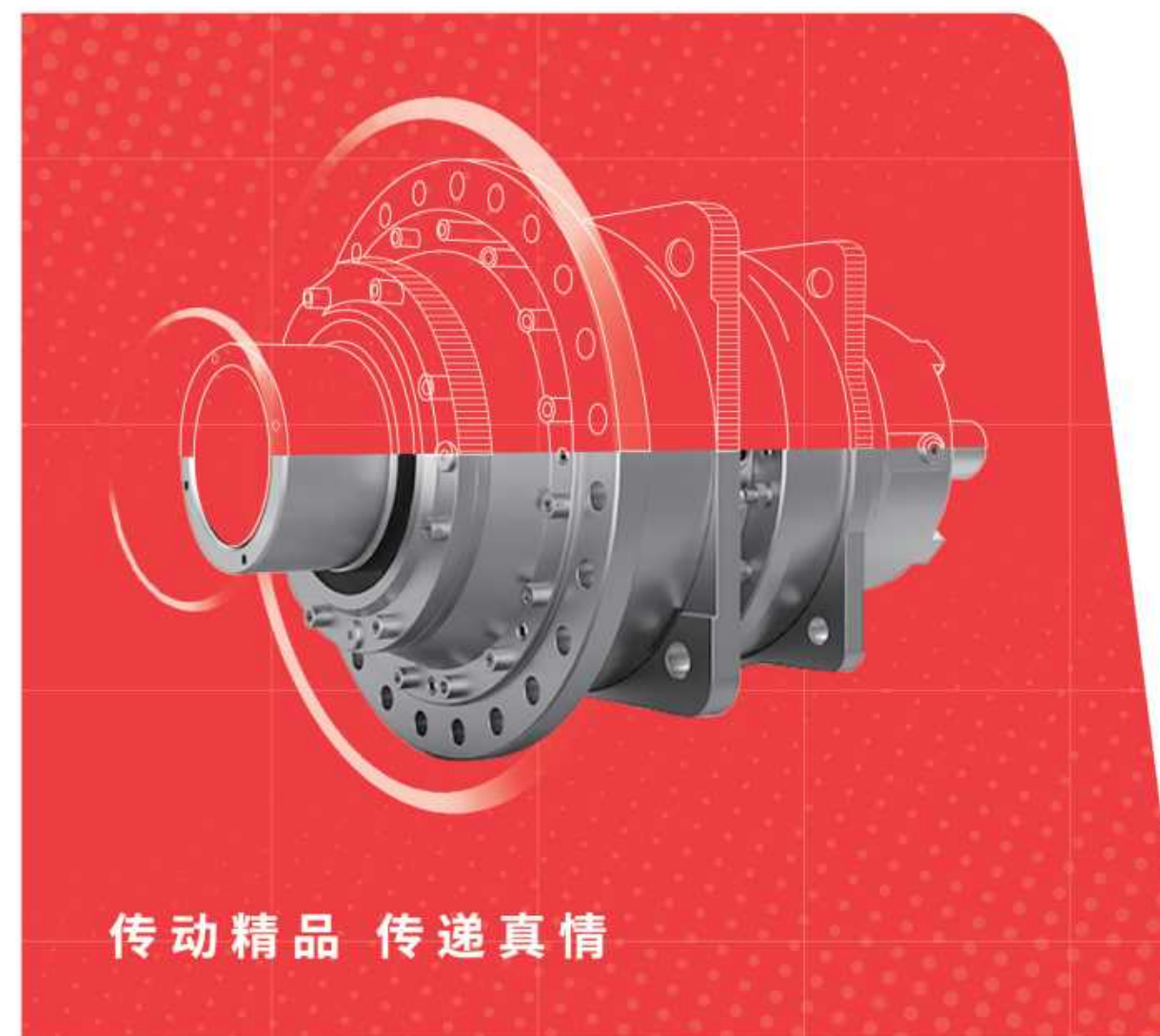


股票代码 603915

GUOMAO
国茂股份



传动精品 传递真情

GTP系列行星减速机 GTP Series Planetary Gear Reducer

✉ sales@guomaoreducer.com

☎ 400-112-5588

📍 中国江苏省常州市武进高新区龙潜路98号

🌐 www.guomaoreducer.com



传动精品 传递真情

江苏国茂减速机股份有限公司版权所有, 未经许可前, 禁止复制或使文本任何部分
Without the express approval of limited are not allowed to alter or use manual pictures and layout

产品样本 NO.008F
版本 V2025.1



**GTP Series Planetary
Gear Reducer**
GTP系列行星减速机

GTP 系列行星齿轮减速机

GTP series planetary gear reduce

1. 产品说明和一般资料

1.1 概述

GTP 系列产品有 9-36 共 27 个规格，采用高度模块化设计，额定输出转矩从 22KNm 到 2600KNm，速比从 25 到 4000，与 GR、GK、GS 系列组合可得到更大的速比。

关于 GTP 系列行星减速机的性能，安装尺寸与主机应用之间的精确匹配，请参考本手册中的相关细节（推荐联系我司专业技术团队）。GTP 系列行星齿轮减速机可适用于不同工业领域的可靠的动力传动产品。在不同运行条件下的实际应用表现，已证明了合理的经济设计方案。依靠精益化思想完成标准化的产品系列覆盖了 22,000 Nm 至 2,600,000 Nm 的名义扭矩范围。减速级模块化设计适配多种类型的标准化安装组件，包括行星齿轮级和外壳部件以及输入侧和输出侧组件。因此，复杂性降低，可以在高质量标准下以经济批量进行制造。经过专业化的团队规划和设计确保能够迅速实现针对客户需求的最佳技术和效率解决方案，而这些需求无法通过标准产品系列来满足。

GTP 系列产品输入类型包含：同轴输入、锥齿轮输入、斜齿轮输入、锥齿轮-斜齿轮输入；输出类型：带胀盘空心轴、渐开线花键空心轴、带平键实心轴、渐开线花键实心轴；安装形式有水平安装、竖直安装、扭力臂安装。

1. Product descriptions and general information

1.1 Summary

GTP series consists of products have a total of 27 frame-size (from 09 to 36) with a high level of modular structure design, and the range of rated output torque is from 22kNm to 2600kNm, the ratio range is from 25 to 4000, (Possible combined with other series reducer: GR, GK, GS to obtain the high ratio.)

For careful selection of suitable GTP series planetary gear units please observe the details given in this brochure. GTP series planetary gear units are reliable drive components for the use in different industrial sectors. Appropriate economical design solutions proved themselves under different operating conditions. A fine-progression series covers a nominal torque range between 22,000 and 2,600,000 Nm. The modular design permits standardization of many basic components, including both planetary gear stages and housing parts as well as input side and output side components. Thus, complexity is reduced and manufacture in economical lot sizes is made possible at high quality standards. A team of planning and design engineers makes sure that optimum solutions with regard to technology and efficiency are quickly realized for customer requirements which cannot be met with the standard product range.

GTP series products input-type included : coaxial input, bevel gear input, helical gear input, bevel gear with helical gear input; The output-type included : hollow shaft with shrink disc, hollow shaft with involute spline, solid shaft with flat key and involute spline both type; The installation-type included: horizontal installation, vertical installation, and torsion arm installation.

1.2 说明

● 密封

输入和输出端的标准密封为径向油封密封。对于特殊的应用情况,我们可以采用可重复注入油脂的迷宫密封。

● 润滑

减速机标准润滑方式为油池润滑。

如果采用强制润滑或需在极端温度下工作,或其它特殊情况,敬请垂询。

润滑油的确切用量请见油标上的标记。

减速机可以适用于任何安装位置,为保证充分的润滑,客户在订货时需说明所需减速机的安装形式。

有关 V...及 B5...1 的润滑见第 11 页。

● 重量、尺寸

所给出的重量是一个平均值,附图和尺寸并不同实物完全一致。

● 应用环境

必须了解环境温度,以便在设计时考虑热条件。当环境温度低于-10°C 时,必须充分考虑所用油和齿轮单元组件所用材料的因素。请告知我们有关盐水、盐雾、腐蚀性物质、灰尘、泥土、飞石、过大压力、剧烈振动和极端冲击载荷等环境条件的信息。

GTP 系列适合工作的环境温度-10°C~+40°C,海拔高度达 1000 米。超过此范围时,需做特别处理和修正。

当进行热功率计算时,我们必须考虑环境温度,因此,客户需提供环境温度值。

1.2 Description

● Seals

Seals Input and output shafts have radial shaft seals as standard. For special applications we provide seals with refillable labyrinth. For function.

● Lubrication

The gear units are provided with dip lubrication as a standard feature. In case of dip lubrication, all parts to be lubricated are lying in the oil.

Details of the lubricants to be used can be obtained from our engineer support. In case of forced lubrication, extreme ambient temperatures and other specific features, please refer to us. The exact quantity of oil depends on the marks on the oil level monitoring equipment. All data are subject to change without notice

The reducer can be applied to any installation position, in order to ensure adequate lubrication, the customer needs to specify the installation form of the reducer requirement before ordering. About V... and B5... 1 as lubrication see page 11.

● Weight, Dimensions

The stated weights are mean values. Illustrations and dimensions are not strictly binding. All data are subject to change without notice.

● Operating conditions

The ambient temperatures must be known so that they can be taken into consideration when designing for thermal conditions. Where ambient temperatures are lower than-10 °C, the factors affecting the oil to be used and the materials to be used for the gear unit components must be sufficiently taken into consideration. Please refer to us. Environmental conditions such as salt water, salt-laden air, aggressive substances, dust, mud, falling or flying stones, excessive pressure, heavy vibrations and extreme shock loads must be disclosed

GTP series is suitable for working ambient temperature -10°C~+40°C, altitude up to 1000 meters. If this range is exceeded, customized will be required.

Due to ambient temperature different, the thermal power must be in provided and considered.

● 尺寸图上所用符号的说明/ Description of the symbols used on the dimensional drawing



油标 Oil dipstick



加油孔 Oil-filler



通气孔 Breather



放油孔 Oil-drain

代号说明

Code designation

E_D	每小时工作周期, 以%表示	Operating cycle per hour in %, e.g. $E_D=80\%/h$
i	实际传动比	Actual ratio
i_N	公称传动比	Nominal ratio
i_s	要求传动比	Required ration
n_1	输入转速 (r/min)	Input speed (rpm)
n_2	输出转速 (r/min)	Output speed (rpm)
F_{R2}	输出轴许用径向力 (kN)	Permissible radial force on output shaft (kN)
f_1	工作机系数 (表 1)	Factor for driven machine (Table 1)
f_2	原动机系数 (表 2)	Factor for prime mover (Table 2)
f_3	峰值扭矩系数 (表 3)	Peak torque factor (Table 3)
f_4	环境温度系数 (表 4)	Thermal factor (Table 4)
f_{t4}	载荷利用系数 (表 5)	Utilization factor (Table 5)
S_f	可靠性系数 (表 6)	Reliability factor (Table 6)
P_G	所需热功率 (kW)	Required thermal capacity (kW)
P_{G1}	不带辅助冷却装置的齿轮箱热功率 (kW)	Thermal capacity(kW) for gear unit without auxiliary cooling
P_N	齿轮箱额定功率 (kW), 见功率表	Normal power rating of gear units (kW), see rating tables
P_1	原动机功率 (kW)	Prime mover power(kW)
P_2	工作机功率 (kW)	Power rating of driven machine (kW)
P_A	起动功率 (kW)	starting power(kW)
P_C	计算所需功率	Permissible Power according to calculation
t	环境温度 $^{\circ}C$	Ambient temperature $^{\circ}C$
T_A	输入轴最大扭矩, 例如峰值工作扭矩, 启动扭矩或制动扭矩 (N·m)	Max. torque occurring on input shaft, e.g. peak operating, starting-or braking torque (N·m)
T_{2N}	额定输出扭矩 (N·m)	Nominal output torque (N·m)
T_2	工作机扭矩 (N·m)	Torque(N·m) of driven machine
尺寸以 mm 为单位, 重量以 kg 为单位, 注油量以升为单位		Dimensions within mm, oil quantities in litres, fits acc. to DIN/ISO 286-2

供货约定

1) 普通供货

我们提供的 GTP 行星减速机可直接安装, 但不含润滑油。

减速机已做好了防腐处理, 表面喷有防锈油漆。

轴装式减速机标准装配中带胀紧盘 (胀紧盘不包括在主机价格内), 但不带防护罩。

2) 附件供货 (不包括在主机价格内)

减速机配强制润滑冷却系统时, 需另加价!

Supply agreement

1) General supply

To be offered GTP series planetary gearboxes can be installed directly, but without lubrication oil.

To be offered reducer has been treated with anti-corrosion, and the connection surface is sprayed with anti-rust paint. The shaft-mounted type reducer comes standard with the shrink disc (the shrink disc is not included in the quotation), but without a protective cover also.

2) Accessories parts supply (not included in the quotation of the main reducer)

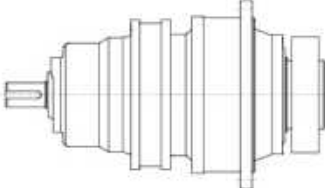
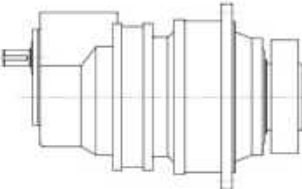
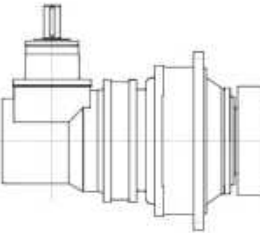
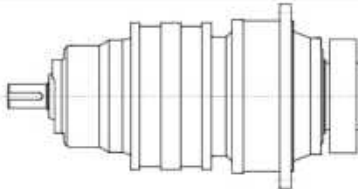
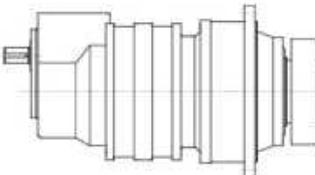
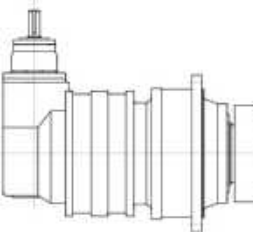
When the lubrication cooling system has to be required, the additional cost must is required!

1.3 基本类型与组合类型

Basic types and combination types

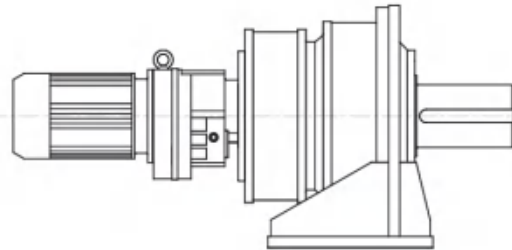
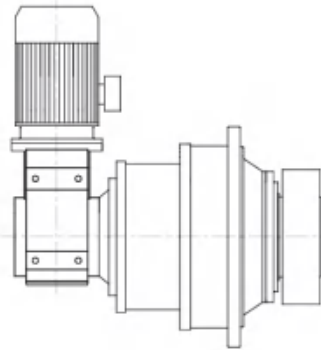
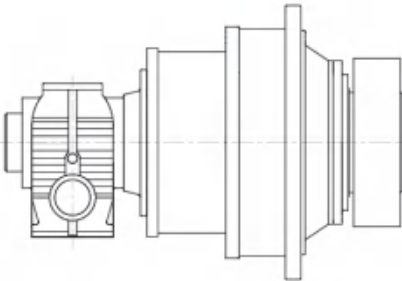
基本类型

Basic types

类型 Type	附图 Drawing	传动比范围 Range gear ratio
GTP 2N..		25~40
GTP 2S..		45~125
GTP 2L.. GTP 2K..		31.5~100 (L) 112~500 (K)
GTP 3N..		140~280
GTP 3S..		280~900
GTP 3K..		560~4000

组合类型

Combination types

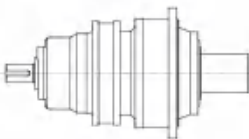
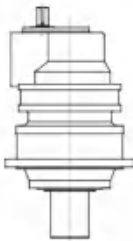
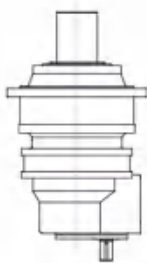
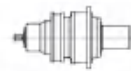
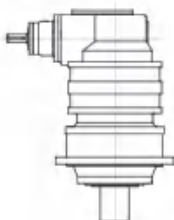
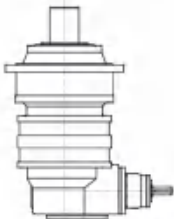
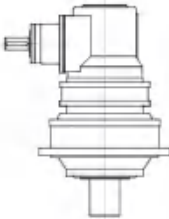
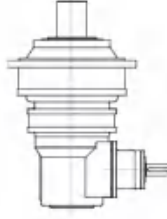
组合形式说明 Identifications of combinations	组合类型 Combination types
两级实心轴行星减速机 带 GR 系列斜齿轮减速电机 Two stages solid shaft planetary gear units with GR helical gear units、motor and housing base	
两级空心轴行星减速机 带 GK 系列斜齿轮- 弧齿锥齿轮减速电机 Two stages hollow shaft planetary gear units with GK helical-bevel gear units motor	
两级空心轴行星减速机 带 GS 系列斜齿轮- 蜗轮蜗杆减速电机 Two stages hollow shaft planetary gear units with GS helical-worm gear units motor	
详情请与我们联系 Please contact us for details	

1.4 GTP整机型号命名表示规则

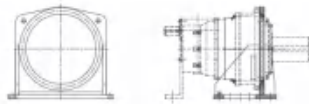
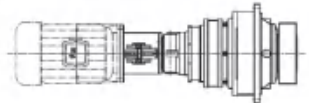
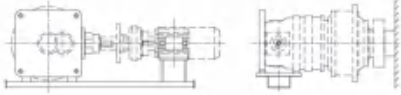
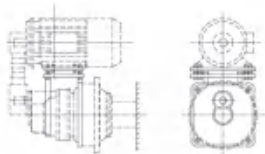
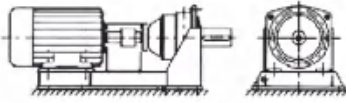
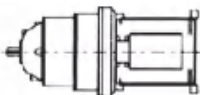
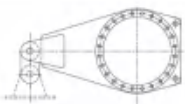
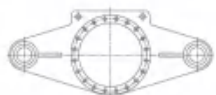
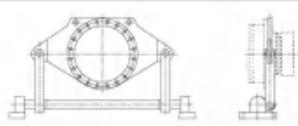
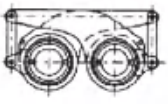
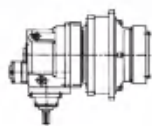
GEARBOX DESIGNATION

GTP	16	K	2	AZ	400	B521	96	SSP	70	Y30-4 P	ZP
行星减速机系列 GTP-Series	型号规格 Frame size;	结构类型 N: 同轴式 L: 一级锥齿直交轴 S: 一级斜齿平行轴 K: 一级锥齿+一级斜齿直交轴	行星传动级数 Reductions	输出形式 AH:渐开线花键空心轴 AZ:带胀紧盘的空心轴 BS:平键实心轴 BH:渐开线花键实心轴	速比 Gear Ratio	安装布置形式(P07) Mounting Position (P07) 【注】B511/B521/B531需配自循环泵+D B511/B521/B531 cooling system+D	输出附件 (P08) Output assistant (P08)	逆止器出轴旋向(面对输出轴) Backstop rotation direction (facing with output-shaft) CW: 顺时针 CCW: 逆时针	输入附件 Input assistant	电机参数 Electric motor	客户自配 Supplied by customer
Output Version											
AH: Hollow spline shaft											
AZ: Hollow shaft for shrink disc											
BS: Solid Keyed shaft											
BH: Spline male shaft											
Input Version											
N: In line @ first stage											
L: Right angle input @ first stage											
S: Parallel-shaft input @ first stage											
K: Right angle input + Parallel-shaft @ input stage											

1.5 安装布置形式 Mounting Position

水平安装 Horizontal gear unit position				立式安装 Vertical gear unit position	
同轴式行星减速机 Coaxial planetary gear units	0	GTP.N.	 B500	 V100	 V300
斜齿轮-行星减速机 Combined helical gear planetary gear units	1	GTP.S.	 B511 ²⁾	 V110	 V310
			 B512		
			 B513		
			 B514		
锥齿轮-斜齿轮-行星减速机 Combined bevel gear planetary gear units	2	GTP.K.	 B521 ²⁾	 V120	 V320
			 B522		
			 B523		
			 B524		
锥齿轮-行星减速机 Combined bevel-helical gear planetary gear units	3	GTP.L.	 B531 ²⁾	 V130	 V330
			 B532		
			 B533		
			 B534		
扭矩支撑臂 Torque reaction arm	5		 B551	 B561 ³⁾	 B562
			 B552	 B563	 B564
			 B553		
			 B554		
			 B555		
			 B556	1) 从 d ₁ 轴端观察 2) 必须检查润滑油供给情况, 请咨询我们 3) 当装配形式为 B561 时可不写 1) Observation from the end of the d ₁ shaft 2) The lubricating oil supply must be checked, please consult us 3) When the assembly form is B561, it can not be written	

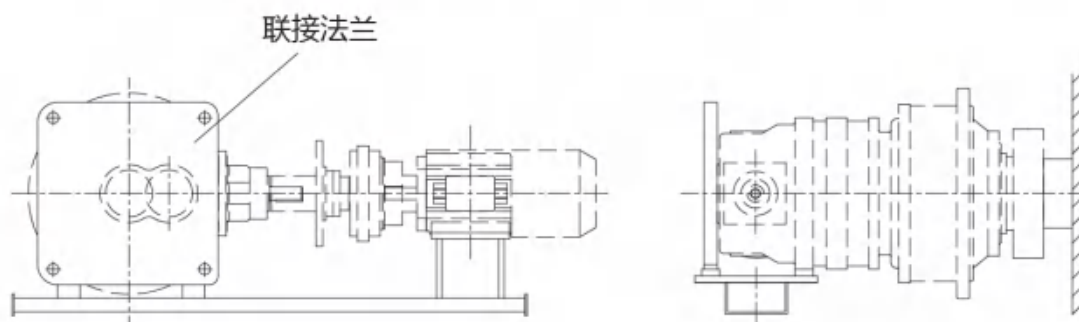
1.6 附件总览表 Add-on Piece

代号 Code	附件 Add-on Piece	附图 Representation
99	无附件 Without add-on Piece	
96	齿轮箱底座 Gear housing base	
70	电机安装法兰 (输入端) Motor mounting flange (input)	
71	电机支架 (电机、联轴器) Motor brackets (motors, couplings)	
72	电机支架 Motor bracket	
73	移动安装支座 (电机、联轴器、齿轮箱) Motor swing-base (motors, couplings, gear unit)	
74	钟形支座 (输出) Bell housing (output)	
75	(单侧) 扭力臂 Torque reaction arm (on one side)	
76	(双侧) 扭力臂 Torque reaction arm (on both side)	
77	扭力臂轴支撑 Torsion shaft support	
80	支架 I Support I	
81	支架 II Support II	
86	特殊设计 Special design	
SSP/NSP	逆止器 (GTP2K/GTP3K) Backstop (GTP2K/GTP3K)	

1.7 附件 71-72 电机安装支架 Attachment 71-72 Motor Mounting Bracket

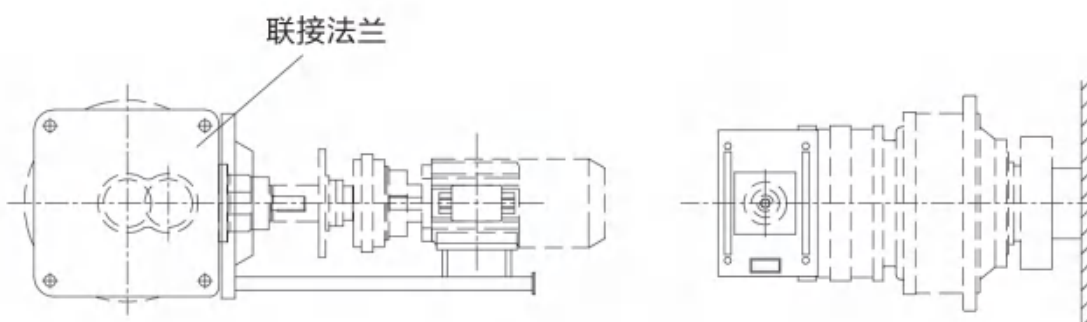
电机安装支架 (附件代号-71)

Motor Mounting Bracket (Attachment 71)



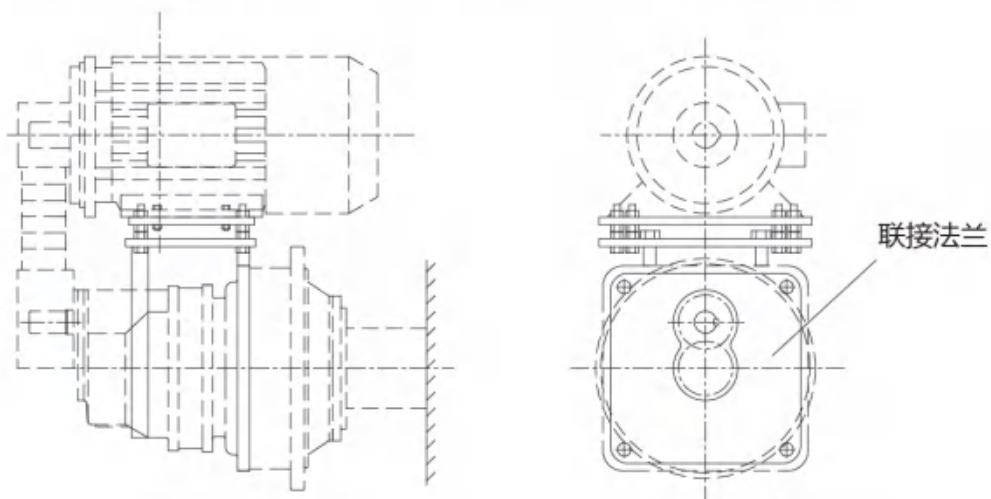
电机安装支架 (附件代号-71)

Motor Mounting Bracket (Attachment 71)



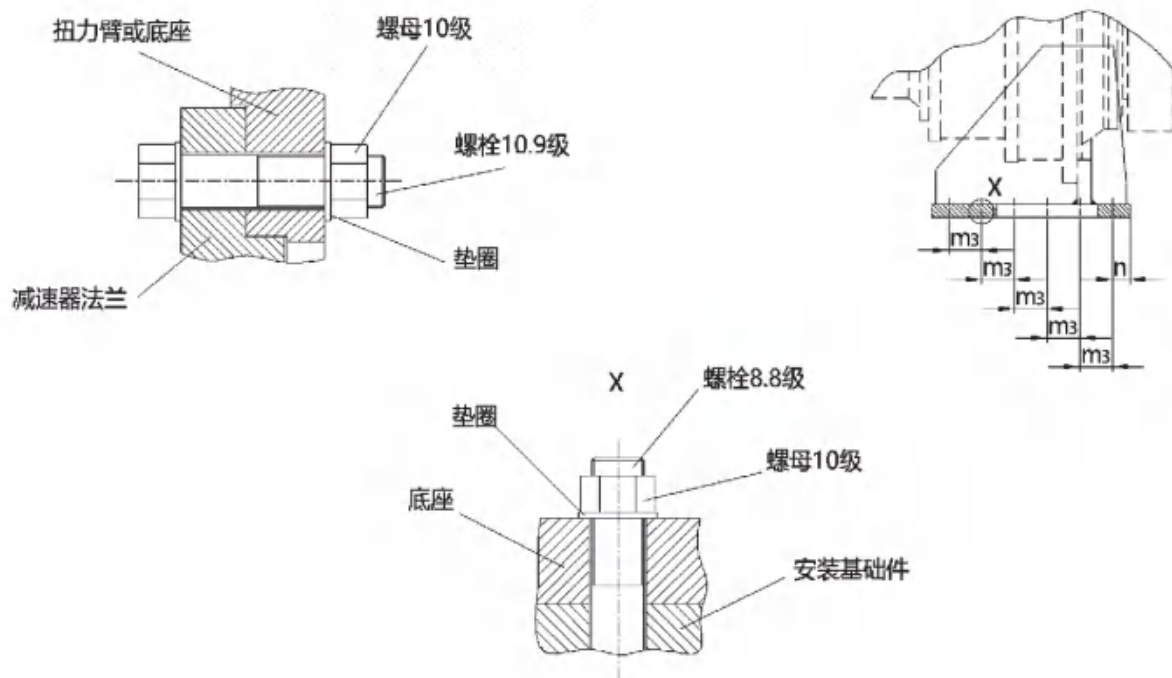
电机安装支架 (附件代号-72)

Motor Mounting Bracket (Attachment 72)



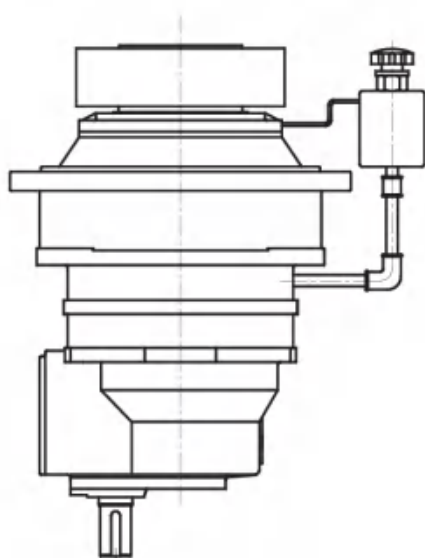
1.8 附件 I 法兰联接及底座安装的螺母预紧扭矩

Attachment I. Flange connection and nut preload torque for base mounting

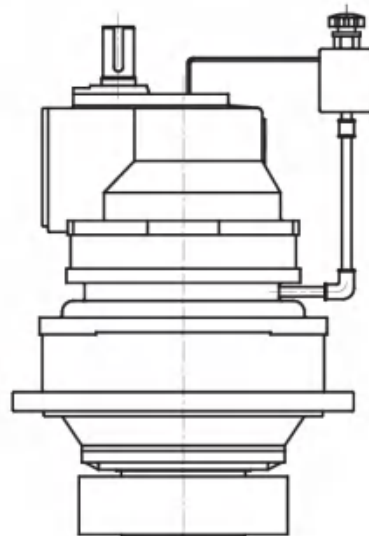


机座号 Unit size	法兰联接 Flange attachment		底座联接 Base attachment	
	螺栓(10.9) Strength class (10.9)	预紧力矩(N·m) Tightening torque (N.m)	螺栓(8.8) Strength class (8.8)	预紧力矩(N·m) Tightening torque (N.m)
9	M16	295	M24	710
10	M16	295	M24	710
11	M20	580	M24	710
12	M24	1000	M24	710
13	M24	1000	M24	710
14	M24	1000	M30	1450
16	M24	1000	M30	1450
17	M30	2000	M36	2530
18	M30	2000	M36	2530
19/20	M30	2000	M42	4070
21/22	M36	3560	M48	6140
23/24	M36	3560	M48	6140
25/26	M42	5720	M56	9840
27/28	M48	8640	M56	9840
29/30	M48	8640	M64	14300
31/32	M56	13580	M64	14300
33/34	M56	13580	M72	14300
35/36	M56	13580	M72	20800

1.9 附件Ⅱ立式安装补偿油箱 Attachment Ⅱ. Compensation tanks for Vertical mounting position



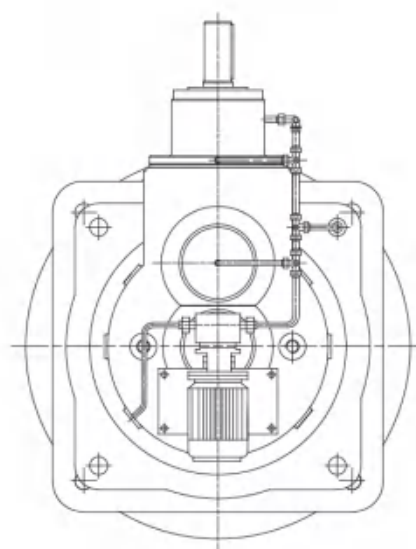
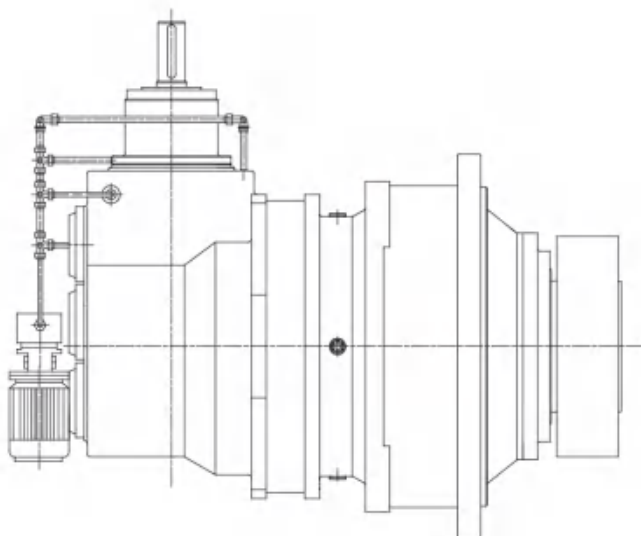
立式安装时,为保证上端的轴承得到可靠润滑必须相应的提高油位,油位通过加装的补偿油箱来加高和检查。补偿油箱上有通气器,如上图所示。



In case of vertical mounting position, no forced lubrication is provided as standard to feed the overhead rolling bearings. To ensure the lubricant supply, the oil level is increased accordingly.

GTPS、GTPK、GTPL 当安装布置方位为 B511、B521、B531 的卧式安装时需配备电动油泵强制润滑,如下图:

Regarding the GTPS, GTPK, GTPL reducer type, (the mounting layout as B511, B521, B531 horizontal) The lubrication by electric-pump has to be necessary, as the below:



1.10 油量表 Oil level

油量表 Oil level(L)							
规格 Unit size	GTP2N...	GTP2L...	GTP2S...	GTP2K...	GTP3N...	GTP3S...	GTP3K...
09	6	6	6	6	7	7	7
10	8	8	8	8	9	9	9
11	12	12	12	12	13	13	13
12	16	16	16	16	17	17	20
13	20	20	20	20	20	20	20
14	32	32	32	32	32	32	32
16	40	40	40	40	40	40	40
17	56	56	56	56	56	56	56
18	66	66	66	66	66	66	66
19	82	82	82	82	82	82	82
20	75	75	75	75	75	75	75
21	110	110	110		115	115	115
22	95	95	95		105	105	105
23	150	150	150		155	155	155
24	125	125	125		135	135	135
25	190	190	190		195	195	195
26	160	160	160		170	170	170
27	245	245	245		250	250	250
28	205	205	205		220	220	220
29	305	305	305		310	310	310
30	255	255	255		280	280	280
31	380				390	390	
32	315				360	360	
33	460				470	470	
34	380				430	430	
35	645						
36	535						

注：1) 在环境温度-10℃—+40℃时，GTP 系列润滑油牌号为 VG220。

2) 以上齿轮箱油箱为 GTP.N/GTP.K/GTP.L/GTP.S 在 B5 安装方位时的有量，其他安装方位时的油量请来电咨询。

Note: 1) Ambient temperature is in -10℃-+40℃, the oil VG220 is present as lubricating oil

2) The oil quantity of GTP.N/GTP.K/GTP.L/GTP.S type should be confirmed by our engineer in B5 installation orientation. Please call us for mounting position.

2. 选型资料

2.1 选型指南

● 1) 确定减速机类型和规格

a) 计算传动比

$$i_s = \frac{n_1}{n_2}$$

b) 确定减速机额定功率

I) 计算所需功率

$$P_C = P_2 \times f_1 \times f_2 \times S_f$$

II) 根据判定条件 $P_N \geq P_C$ 和选定的类型确定减速机规格

c) 校核峰值扭矩 (如峰值工作扭矩、起动扭矩、制动扭矩等)

$$P_N \geq P_A = \frac{T_A \times n_1}{9550} \times f_3$$

d) 校核实际传动比 i 是否满足计算传动比 i_s 的要求

e) 检查输入轴和输出轴上有没有附加的轴向力和径向力, 若有, 敬请垂询。

● 2) 热功率校核

a) 计算公称功率利用率

$$\text{公称功率利用率} \% = P_2 / P_N \times 100\%$$

b) 根据公称功率利用率和表 5 查得系数 f_{14}

c) 计算不带辅助冷却装置时所需的热功率

$$P_G = P_{G1} \times f_4 \times f_{14}$$

d) 判定是否需要辅助冷却装置

若 $P_2 \leq P_G$, 则减速机无需辅助冷却装置。

若 $P_2 > P_G$, 则减速机需外加辅助冷却装置, 敬请垂询。

● 3) 确定选用减速机的润滑方式

根据选定的减速机类型及安装方位确定减速机为浸油润滑或带泵强制润滑

● 4) 根据输入、输出方式, 安装方位等确定减速机具体型号及所需附件

2. Selection information

2.1 Guideline for selection

● 1) Determination of gear unit type and size

a) Find transmission ratio

$$i_s = \frac{n_1}{n_2}$$

b) Determine the nominal power rating of the gear-unite

I) Calculate the required transmission power

$$P_C = P_2 \times f_1 \times f_2 \times S_f$$

II) Select the gear-unite size according to the judgment conditions $P_N \geq P_C$

c) Check the peak torque (e.g. peak working torque, starting torque, braking torque, etc.)

$$P_N \geq P_A = \frac{T_A \times n_1}{9550} \times f_3$$

d) Check the actual transmission ratio i if it meets the requirements of calculating the transmission ratio i_s

e) Check the radial load on the input and output shaft if there are any additional axial and radial forces on the input and output shafts, please contact us if happened.

● 2) Determination of gear unit utilization and required thermal capacity P_t

a) Gear unit utilization for the determination of the thermal capacity

$$\text{Utilization} \% = P_2 / P_N \times 100\%$$

b) The f_{14} factor can be calculated from table 5, page 12, as a function of the percentage utilization

c) Adequate for gear units without auxiliary cooling

$$P_G = P_{G1} \times f_4 \times f_{14}$$

d) Check thermal capacities cooling by external air cooler or water cooler on request

If $P_2 \leq P_G$, No need an auxiliary cooling device.

If $P_2 > P_G$, Need to be equipped with an auxiliary cooling device, please contact us.

● 3) Determine the lubrication type for gear unite

According to the gear unite mounting position to determine the negative lubrication or lubrication by electrical pump

● 4) According to the input and output type, mounting position, etc., to determine the exact model of the gear unite, also with accessories of gear unite.

2.2 服务系数

Service factor

表1/Table1

被驱动设备系数 f_1
Factor for driven machine f_1

工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours			工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours		
	≤ 0.5	> 0.5-10	> 10		≤ 0.5	> 0.5-10	> 10
污水处理 Wastewater treatment				输送机械 Conveyors			
浓缩器 (中心传动) Thickeners (central drive)	-	-	1.2	斗式输送机 Bucket conveyors	-	1.2	1.5
压滤器 Filter presses	1.0	1.3	1.5	绞车 Hauling winches	1.4	1.6	1.6
絮凝器 Flocculationapparata	0.8	1.0	1.3	卷扬机 Hoists	-	1.5	1.8
曝气机 Aerators	-	1.8	2.0	皮带输送机≤150kW Belt conveyors≤150 kW	1.0	1.2	1.3
接集设备 Raking equipment	1.0	1.2	1.3	皮带输送机≥150kW Belt conveyors≥150 kW	1.1	1.3	1.4
纵向、回转组合式接集装置 Combined longitudinal and rotary rakes	1.0	1.3	1.5	货用电梯* Goods lifts *	-	1.2	1.5
浓缩器 Pre-thickeners	-	1.1	1.3	客用电梯* Passenger lifts *	-	1.5	1.8
螺杆泵 Screw pumps	-	1.3	1.5	刮板式输送机 Apron conveyors	-	1.2	1.5
水轮机 Water turbines	-	-	2.0	自动扶梯 Escalators	-	1.2	1.4
				轨道行走机构 Rail travelling gears	-	1.5	-
泵 Pumps							
离心泵 Centrifugal pumps	1.0	1.2	1.3	变频装置 Frequency converters	-	1.8	2.0
容积式泵 Positive-displacement pumps							
1 个活塞 1 piston	1.3	1.4	1.8	往复式压缩机 Reciprocating compressors	-	1.8	1.9
>1 个活塞 > 1piston	1.2	1.4	1.5				
挖泥机 Dredgers				起重机械** Cranes **			
斗式输送机 Bucket conveyors	-	1.6	1.6	回转机构* Slewing gears ****	1.0	1.4	1.8
倾卸装置 Dumping devices	-	1.3	1.5	俯仰机构 Luffing gears	1.0	1.1	1.4
履带式行走机构 Carterpillar travelling gears	1.2	1.6	1.8				
斗式挖掘机 Bucket wheel excavators				行走机构 Travelling gears	1.1	1.6	2.0
用于捡拾 as pick-up	-	1.7	1.7	提升机构 Hoisting gears	1.0	1.1	1.4

表1/Table1

被驱动设备系数 f_1
Factor for driven machine f_1

工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours			工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours		
	≤ 0.5	> 0.5-10	> 10		≤ 0.5	> 0.5-10	> 10
用于粗料 For primitive material	-	2.2	2.2	转臂式起重机 Derricking jib cranes	1.0	1.2	1.6
切碎机 Cutter heads	-	2.2	2.2	冷却塔 Cooling towers			
行走机构 Traversing gears *	-	1.4	1.8				
弯板机 Plate bending machines *	-	1.0	1.0	冷却塔风扇 Cooling tower fans	-	-	2.0
化学工业 Chemical industry				风机 (轴流和离心式) Blowers (axial and radial)	-	1.4	1.5
				食品工业 Food industry			
挤压机 Extruders	-	-	1.6				
调浆机 Dough mills	-	1.8	1.8	蔗糖生产 Cane sugar production			
橡胶研光机 Rubber calenders	-	1.5	1.5				
冷却圆筒 Cooling drums	-	1.3	1.4	蔗糖切碎机* Cane knives *	-	-	1.7
混料机 Mixers for				蔗糖碾磨机 Cane mills	-	-	1.7
				甜菜糖生产 Beet sugar production			
均匀介质 uniform media	1.0	1.3	1.4				
非均匀介质 non-uniform media	1.4	1.6	1.7	甜菜搅碎机 Beet cosettes macerators,	-	-	1.2
搅拌机 Agitators for media with				榨取机、机械制冷机、蒸煮机 Extraction plants, Mechanical refrigerators, Juice boilers, Sugar beet washing machines,	-	-	1.4
				甜菜清洗机, 甜菜切碎机 Sugar beet cutters	-	-	1.5
烘炉 Toasters	1.0	1.3	1.5	造纸机械 Paper machines			
离心机 Centrifuges	1.0	1.2	1.3				
金属加工设备 Metal working mills				各种类型*** of all kind ***	-	1.8	2.0
				碎浆机驱动装置 Pulper drives	按客户要求供货 On request		
翻板机 Plate tilters	1.0	1.0	1.2	离心式压缩机 Centrifugal compressors			
推钢机 Ingot pushers	1.0	1.2	1.2				
绕线机 Winding machines	-	1.6	1.6	索道缆车 Cableways			
冷床横移架 Cooling bed transfer frames	-	1.5	1.5				

表1/Table1

被驱动设备系数 f_1
Factor for driven machine f_1

工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours			工作机 Driven machines	日带载运行时间 (小时) Effective daily operating period under load in hours		
	≤ 0.5	$> 0.5-10$	> 10		≤ 0.5	$> 0.5-10$	> 10
辊式矫直机 Roller straighteners	-	1.6	1.6	运货索道 Material ropeways	-	1.3	1.4
辊道 Roller tables							
连续式 continuous	-	1.5	1.5	往返系统空中索道 To-and fro system aerial ropeways	-	1.6	1.8
间歇式 intermittent	-	2.0	2.0				
可逆式轧管机 Reversing tube mills	-	1.8	1.8	T型杆升降机 T-bar lifts	-	1.3	1.4
剪切机 Shears							
连续式* continuous *	-	1.5	1.5	连续索道 Continuous ropeways	-	1.4	1.6
曲柄式* crank type *	1.0	1.0	1.0				
连铸机驱动装置 Continuous casting drivers *	-	1.4	1.4	水泥工业 Cement industry			
轧机 Rolls				混凝土搅拌机 Concrete mixers	-	1.5	1.5
可逆式开坯机 Reversing blooming mills	-	2.5	2.5	破碎机* Breakers *	-	1.2	1.4
可逆式板坯轧机 Reversing slabbing mills	-	2.5	2.5	回转窑 Rotary kilns	-	-	2.0
可逆式线材轧机 Reversing wire mills	-	1.8	1.8	管式磨机 Tube mills	-	-	2.0
可逆式薄板轧机 Reversing sheet mills	-	2.0	2.0	选粉机 Separators	-	1.6	1.6
可逆式中厚板轧机 Reversing plate mills	-	1.8	1.8	辊压机 Roll crushers	-	-	2.0
辊缝调节驱动装置 Roll adjustment drives	0.9	1.0	-				

1. 工作机功率 P_2 的确定:

*) 按最大扭矩确定功率。

**) 可将载荷精确地分类。

***) 检验热容量是绝对必要的。

2. 所列各项系数均为经验值。选用这些系数的前提条件是, 所述机械设备应符合通常设计规范和载荷条件。如遇特殊情况, 请及时与我们联系。

3. 对于那些未能列入此表的工作机械, 请与我们联系。

1. Determination of the efficiency P_2 of the working machine:

*) Power is determined by maximum torque.

**) Loads can be accurately classified.

***) It is absolutely necessary to verify the heat capacity.

2. The coefficients listed are empirical values. The prerequisite for the selection of these coefficients is that the mechanical equipment should conform to the usual design specifications and load conditions. In case of special circumstances, please contact us in time.

3. For those working machines that are not listed on this table, please contact us.

表 2/Table 2

原动机系数 f_2
Factor for prime mover f_2

电动机、汽轮机、液压马达 Electric motors, hydraulic motors, turbines	1.0
4~6 缸活塞发动机 Piston engines 4 - 6 cylinders 周期变化, 1: 100 至 1: 200 cyclic variation, 1: 100 to 1: 200	1.25
1~3 缸活塞发动机 Piston engines 1 - 3 cylinders 周期变化, 最高达 1: 100 cyclic variation, up to 1: 100	1.5

表 3/Table 3

峰值扭矩系数 f_3
Peak torque factor f_3

	每小时峰值载荷次数 Load peaks per hour			
	1-5	6-30	31-100	> 100
单向负载/ Steady direction of load	0.5	0.65	0.7	0.85
双向交替负载/ Alternating direction of load	0.7	0.95	1.1	1.25

表 4/Table 4

环境温度系数 f_4
Thermal factor f_4

不带辅助冷却装置 Without auxiliary cooling					
环境温度 Ambient temperature	每小时工作周期 (ED), 以%表示 Operating cycle per hour (ED) in %				
	100	80	60	40	20
10°C	1.14	1.20	1.32	1.54	2.04
20°C	1.00	1.06	1.16	1.35	1.79
30°C	0.87	0.93	1.00	1.18	1.56
40°C	0.71	0.75	0.82	0.96	1.27
50°C	0.55	0.58	0.64	0.74	0.98

表 5/Table 5

载荷利用系数 f_{14}
Utilization factor f_{14}

30%	40%	50%	60%	70%	80%	90%	100%
0.66	0.77	0.83	0.9	0.9	0.95	1.0	1.0

表 6 /Table6

可靠性系数
Reliability factor

重要性与安全性要求 Importance and safety requirements	一般设备或辅助传动, 减速机失效仅引起单机停产且易更换设备 For general equipment or auxiliary transmission, the failure of the reducer only causes the shutdown of the single machine and is easy to replace the equipment	重要设备, 减速机失效引起机组、生产线停产 The failure of important equipment and reducer causes the unit and production line to stop production	高度安全要求, 减速机失效引起全场停产或人身事故 High safety requirements, reducer failure caused by the shutdown of the whole site or personal accidents
S_f	1.2	1.4	1.6

2.3 计算示例

● 已知:

原动机

电机功率	$P_1 = 90\text{kW}$
电机转速	$n_1 = 1500\text{rpm}$
最大起动转矩	$T_A = 850\text{N} \cdot \text{m}$

工作机

皮带输送机功率	$P_2 = 82\text{kW}$
转速	$n_2 = 31\text{rpm}$
每天运行时间	12h/日
每小时起动次数	7
每小时工作周期	$E_D = 100\%$
环境温度	30°C

室内大空间安装

海拔高度 海平面

减速机设计

带锥齿轮的直交轴

行星减速机

安装方式 水平、卧式地脚安装

输出轴 d2 型式 带平键实心轴

输出轴 d2 的旋转方向 逆时针旋转

中等可靠度要求

● 计算

1) 确定减速机的类型和规格

a) 计算传动比

$$i_s = \frac{n_1}{n_2} = \frac{1500}{31} = 48.39$$

根据减速机设计要求及计算传动比选定型号为:

GTP2L 公称传动比 $i_N = 50$

b) 确定减速机的额定功率

I) 计算所需功率

$$P_C = P_2 \times f_1 \times f_2 \times S_f = 82 \times 1.3 \times 1 \times 1.4 = 149\text{kW}$$

II) 根据判定条件 $P_N \geq P_C$ 和选定的类型 GTP2L, 查其功率表 (见第 59 页) 得:

12 号机对应的额定功率: $P_N = 191\text{kW}$

满足 $P_N = 191\text{kW} > P_C = 149\text{kW}$

c) 校核起动功率

$$P_A = \frac{T_A \times n_1}{9550} \times f_3 = \frac{850 \times 1500}{9550} \times 0.65 = 133.5\text{kW}$$

满足条件 $P_N \geq P_A$

2.3 Calculation example

● Known Criteria:

Prime Mover

Electric Motor	$P_1 = 90\text{kW}$
Motor speed	$n_1 = 1500\text{rpm}$
Max. starting torque	$T_A = 850\text{N} \cdot \text{m}$

Driven Machine

Belt conveyor power	$P_2 = 82\text{kW}$
Speed:	$n_2 = 31\text{rpm}$
Duty:	12h/day

Starts per hour 7

Operating cycle per hour $E_D = 100\%$

Ambient temperature 30°C

Installation in a large hall

Altitude: Sea level

Gear unit design

Orthogonal shaft with bevel gears

Planetary gear units

Mounting position: Horizontal, Vertical

Output shaft type d2: Solid key-shaft

Input-shaft rotation: Counterclockwise

Medium reliability requirements

● Selection of gear unite type

1) Determination of gear unite type and size

a) Calculation of transmission ratio

$$i_s = \frac{n_1}{n_2} = \frac{1500}{31} = 48.39$$

Determination of gear unit type according to the above calculation: selected model is GTP2L, the nominal ration $i_N = 50$

b) Determine of gear unite size

I) Determination of the nominal gear unit power rating

$$P_C = P_2 \times f_1 \times f_2 \times S_f = 82 \times 1.3 \times 1 \times 1.4 = 149\text{kW}$$

II) Selected from power rating table: type GTP2L

Selected gear unite size No. 12 machine: $P_N = 191\text{kW}$

Check approved: $P_N = 191\text{kW} > P_C = 149\text{kW}$

c) Checking the starting power

$$P_A = \frac{T_A \times n_1}{9550} \times f_3 = \frac{850 \times 1500}{9550} \times 0.65 = 133.5\text{kW}$$

Check approved: $P_N = 191\text{kW} \geq P_A = 133.5\text{kW}$

d) 校核实际传动比 i 是否满足计算传动比 i_s 要求

查表 (见第 59 页) 得公称传动比 50 对应的实际传

动比: $i=48.7826$ 故满足要求

e) 检查输入轴和输出轴上有没有附加的轴向力和径向力

此例中减速机输入及输出端均没有附加载荷

2) 热功率校核

a) 计算公称功率利用率

$$\begin{aligned}\text{公称功率利用率}\% &= P_2/P_N \times 100\% \\ &= 82/191 \times 100\% = 42.9\%\end{aligned}$$

b) 根据公称功率利用率查表 5 (见第 17 页) 得载荷利用系数 $f_{14} = 0.77$

c) 计算不带辅助冷却装置时所需的热功率

$$\begin{aligned}P_G &= P_{G1} \times f_4 \times f_{14} = 41 \times 0.87 \times 0.77 \\ &= 27.5\text{kW}\end{aligned}$$

d) 判定是否需要辅助冷却装置

$$P_2 = 82\text{kW} > P_G = 27.5\text{kW}$$

需要辅助冷却装置, 请与我们联系!

3) 确定选用减速机的润滑方式

根据水平卧式安装及辅助冷却条件确定, 减速机需稀油循环强制润滑

4) 确定选用减速机的具体型号及所需条件:

一级锥齿轮行星减速机: GTP2L

出轴形式: BS

输入轴装配形式: B532 (见第07页)

输出轴旋向: 逆时针——N

附件: 带地脚——96

具体型号: GTP12L2-BS-50-B532-96-N

d) Check the requirements transmission ratio i if it meets the actual transmission ratio i_s

Find the required ratio according to the table (see page 59) to get the actual transmission ratio corresponding to the nominal transmission ratio 50: $i = 48.7826$ so it meets the requirements

e) Check for additional axial and radial forces on the input and output shafts

In this example, there is no additional load at the input and output of the reducer

2) Determination of thermal capacity

a) Gear unit utilization

$$\begin{aligned}\text{Utilization \%} &= P_2/P_N \times 100\% \\ &= 82/191 \times 100\% = 42.9\%\end{aligned}$$

b) Thermal capacity acc. to table 5 (see page 17) the load utilization factor is $f_{14}=0.77$

c) Thermal power requirement without auxiliary cooling

$$P_G = P_{G1} \times f_4 \times f_{14} = 41 \times 0.87 \times 0.77 = 27.5\text{kW}$$

d) Check if the auxiliary cooling is required

$$P_2 = 82\text{kW} > P_G = 27.5\text{kW}$$

If you need an auxiliary cooling unit, please contact us!

3) Determine the lubrication type for gear unite

According to the installation of horizontal position and auxiliary cooling conditions, select the lubrication type.

4) Determine the specific model and gear unite type:

Bevel gear + One-stage planetary reducer: GTP2L

Output type: BS

Input shaft type: B532 (see page 07)

Output shaft rotation: counterclockwise ——N

Accessories: foot mounting——96

concrete type: GTP12L2-BS-50-B532-96-N

GTP09				22000 N•m						
n ₁ r/min	机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW		
N2	1500	GTP09 N2	25	25.634	58.5	137	21	29	30	
		GTP09 N2	28	28.058	53.5	123	21	29	30	
		GTP09 N2	31.5	31.142	48.2	109	21	29	30	
		GTP09 N2	35.5	35.201	42.6	96	21	29	30	
		GTP09 N2	40	40.781	36.8	87	21	29	30	
	1000	GTP09 N2	25	25.634	39.0	123	21	29	30	
		GTP09 N2	28	28.058	35.6	82	21	29	30	
		GTP09 N2	31.5	31.142	32.1	73	21	29	30	
		GTP09 N2	35.5	35.201	28.4	64	21	29	30	
		GTP09 N2	40	40.781	24.5	57	21	29	30	
	750	GTP09 N2	25	25.634	29.3	68	21	29	30	
		GTP09 N2	28	28.058	26.7	73	21	29	30	
		GTP09 N2	31.5	31.142	24.1	55	21	29	30	
		GTP09 N2	35.5	35.201	21.3	48	21	29	30	
		GTP09 N2	40	40.781	18.4	43	21	29	30	
N3	1500	GTP09 N3	140	146.81	10.7	24.8	14	20	28	
		GTP09 N3	160	165.95	9.4	21.7	14	20	28	
		GTP09 N3	180	192.25	8.3	19.3	14	20	28	
		GTP09 N3	200	210.43	7.5	17.3	14	20	28	
		GTP09 N3	225	233.57	6.7	15.4	14	20	28	
		GTP09 N3	250	264.01	6.0	13.9	14	20	28	
		GTP09 N3	280	305.86	5.4	12.4				
	1000	GTP09 N3	140	146.81	7.1	16.5	14	20	28	
		GTP09 N3	160	165.95	6.3	14.5	14	20	28	
		GTP09 N3	180	192.25	5.6	12.9	14	20	28	
		GTP09 N3	200	210.43	5.0	11.6	14	20	28	
		GTP09 N3	225	233.57	4.4	10.3	14	20	28	
		GTP09 N3	250	264.01	4.0	9.3	14	20	28	
		GTP09 N3	280	305.86	3.6	8.3	14	20	28	
	750	GTP09 N3	140	146.81	5.4	12.4	14	20	28	
		GTP09 N3	160	165.95	4.7	10.8	14	20	28	
		GTP09 N3	180	192.25	4.2	9.6	14	20	28	
		GTP09 N3	200	210.43	3.8	8.7	14	20	28	
		GTP09 N3	225	233.57	3.3	7.7	14	20	28	
		GTP09 N3	250	264.01	3.0	6.9	14	20	28	
		GTP09 N3	280	305.86	2.7	6.2	14	20	28	
	L2	1500	GTP09 L2	31.5	32.5354	47.6	111	14	20	28
			GTP09 L2	35.5	35.6114	42.3	98	14	20	28
			GTP09 L2	40	39.5264	37.5	87	14	20	28
GTP09 L2			45	43.882	33.3	78	14	20	28	
GTP09 L2			50	50.4205	30.0	70	14	20	28	
GTP09 L2			56	55.7279	26.8	62	14	20	28	
GTP09 L2			63	60.4522	23.8	55	14	20	28	
GTP09 L2			71	69.6116	21.1	49	14	20	28	
GTP09 L2			80	79.0529	18.8	44	14	20	28	
GTP09 L2			90	86.2395	16.7	39	14	20	28	
GTP09 L2		100	98.2172	15.0	35	14	20	28		
1000		GTP09 L2	31.5	32.5354	31.7	74	14	20	28	
		GTP09 L2	35.5	35.6114	28.2	66	14	20	28	
		GTP09 L2	40	39.5264	25.0	58	14	20	28	
		GTP09 L2	45	43.882	22.2	52	14	20	28	
		GTP09 L2	50	50.4205	20.0	47	14	20	28	
		GTP09 L2	56	55.7279	17.9	42	14	20	28	
	GTP09 L2	63	60.4522	15.9	37	14	20	28		
GTP09 L2	71	69.6116	14.1	33	14	20	28			

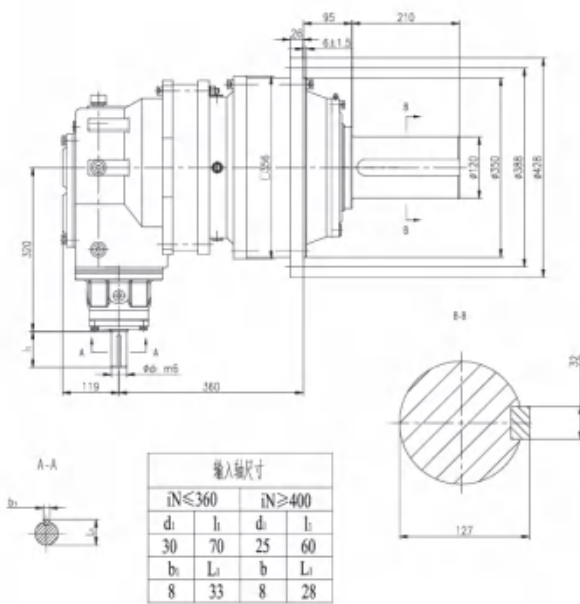
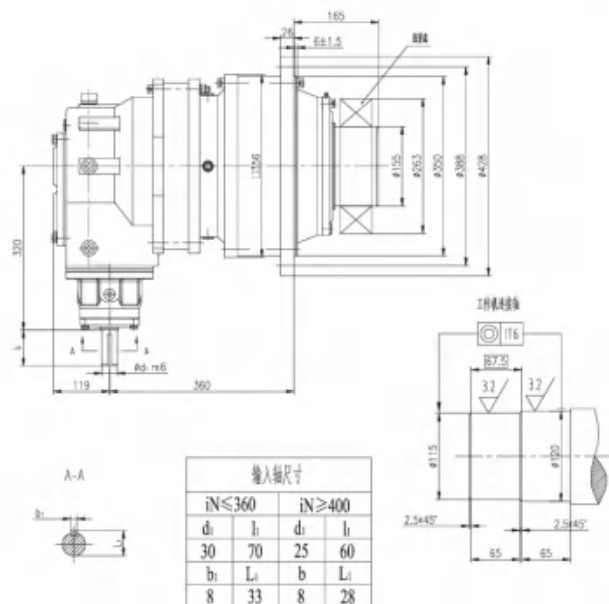
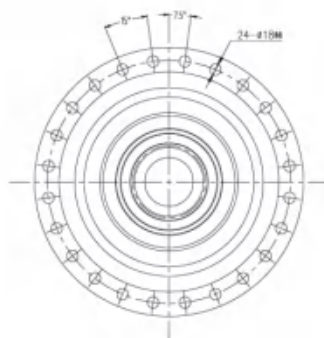
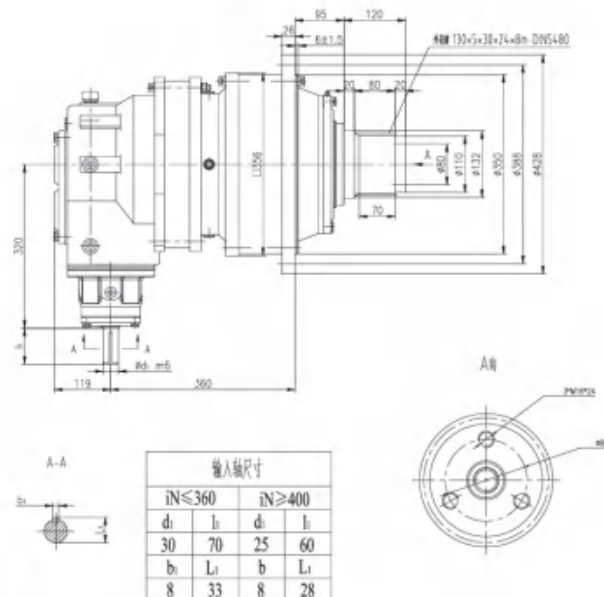
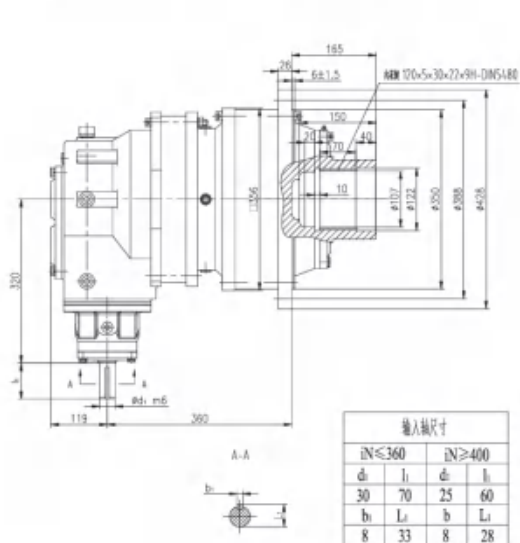
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{11} KW	P_{12} KW	P_{13} KW
750	GTP09 L2	80	79.0529	12.5	29	14	20	28
	GTP09 L2	90	86.2395	11.1	26	14	20	28
	GTP09 L2	100	98.2172	10.0	23	14	20	28
	GTP09 L2	31.5	32.5354	23.8	55	14	20	28
	GTP09 L2	35.5	35.6114	21.1	49	14	20	28
	GTP09 L2	40	39.5264	18.8	44	14	20	28
	GTP09 L2	45	43.882	16.7	39	14	20	28
	GTP09 L2	50	50.4205	15.0	35	14	20	28
	GTP09 L2	56	55.7279	13.4	31	14	20	28
	GTP09 L2	63	60.4522	11.9	28	14	20	28
	GTP09 L2	71	69.6116	10.6	25	14	20	28
	GTP09 L2	80	79.0529	9.4	22	14	20	28
S2 1500	GTP09 L2	90	86.2395	8.3	19	14	20	28
	GTP09 L2	100	98.2172	7.5	17	14	20	28
	GTP09 S2	45	45.601	33.3	77	15	22	29
	GTP09 S2	50	51.544	30.0	69	15	22	29
	GTP09 S2	56	59.715	26.8	62	15	22	29
	GTP09 S2	63	61.953	23.8	55	15	22	29
	GTP09 S2	71	71.775	21.1	49	15	22	29
	GTP09 S2	80	78.782	18.8	43	15	22	29
	GTP09 S2	90	91.272	16.7	38	15	22	29
	GTP09 S2	100	99.735	15.0	35	15	22	29
	GTP09 S2	112	115.55	13.4	31	15	22	29
	GTP09 S2	125	124.74	12.0	28	15	22	29
1000	GTP09 S2	45	45.601	22.2	51	15	22	29
	GTP09 S2	50	51.544	20.0	46	15	22	29
	GTP09 S2	56	59.715	17.9	41	15	22	29
	GTP09 S2	63	61.953	15.9	37	15	22	29
	GTP09 S2	71	71.775	14.1	32	15	22	29
	GTP09 S2	80	78.782	12.5	29	15	22	29
	GTP09 S2	90	91.272	11.1	26	15	22	29
	GTP09 S2	100	99.735	10.0	23	15	22	29
	GTP09 S2	112	115.55	8.9	21	15	22	29
	GTP09 S2	125	124.74	8.0	18	15	22	29
750	GTP09 S2	45	45.601	16.7	38	15	22	29
	GTP09 S2	50	51.544	15.0	35	15	22	29
	GTP09 S2	56	59.715	13.4	31	15	22	29
	GTP09 S2	63	61.953	11.9	27	15	22	29
	GTP09 S2	71	71.775	10.6	24	15	22	29
	GTP09 S2	80	78.782	9.4	22	15	22	29
	GTP09 S2	90	91.272	8.3	19	15	22	29
	GTP09 S2	100	99.735	7.5	17	15	22	29
	GTP09 S2	112	115.55	6.7	15	15	22	29
	GTP09 S2	125	124.74	6.0	14	15	22	29
S3 1500	GTP09 S3	280	295.21	5.4	13.5	12	17	23
	GTP09 S3	315	333.68	4.8	11	12	17	23
	GTP09 S3	355	386.58	4.2	10	12	17	23
	GTP09 S3	400	401.07	3.8	8.8	12	17	23
	GTP09 S3	450	464.65	3.3	7.8	12	17	23
	GTP09 S3	500	510.01	3.0	7	12	17	23
	GTP09 S3	560	590.87	2.7	6.3	12	17	23
	GTP09 S3	630	645.65	2.4	5.6	12	17	23
	GTP09 S3	710	748.01	2.1	4.5	12	17	23
	GTP09 S3	800	807.55	1.9	4.4	12	17	23
	GTP09 S3	900	935.57	1.7	3.4	12	17	23
1000	GTP09 S3	280	295.21	3.6	8.3	12	17	23
	GTP09 S3	315	333.68	3.2	7.4	12	17	23
	GTP09 S3	355	386.58	2.8	6.7	12	17	23

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW	
750	GTP09 S3	400	401.07	2.5	5.8	12	17	23	
	GTP09 S3	450	464.65	2.2	5.2	12	17	23	
	GTP09 S3	500	510.01	2.0	4.7	12	17	23	
	GTP09 S3	560	590.87	1.8	4.2	12	17	23	
	GTP09 S3	630	645.65	1.6	3.7	12	17	23	
	GTP09 S3	710	748.01	1.4	3.3	12	17	23	
	GTP09 S3	800	807.55	1.3	2.9	12	17	23	
	GTP09 S3	900	935.57	1.1	2.6	12	17	23	
	GTP09 S3	280	295.21	2.7	6.3	12	17	23	
	GTP09 S3	315	333.68	2.4	5.6	12	17	23	
	GTP09 S3	355	386.58	2.1	5	12	17	23	
	GTP09 S3	400	401.07	1.9	4.4	12	17	23	
	GTP09 S3	450	464.65	1.7	3.4	12	17	23	
	GTP09 S3	500	510.01	1.5	3.5	12	17	23	
	GTP09 S3	560	590.87	1.3	3.1	12	17	23	
	GTP09 S3	630	645.65	1.2	2.8	12	17	23	
	GTP09 S3	710	748.01	1.1	2.5	12	17	23	
	GTP09 S3	800	807.55	0.9	2.2	12	17	23	
	GTP09 S3	900	935.57	0.8	1.9	12	17	23	
K2	1500	GTP09 K2	112	111.25	13.4	30.9	12	17	23
		GTP09 K2	125	125.75	12.0	27.7	12	17	23
		GTP09 K2	140	145.69	10.7	24.7	12	17	23
		GTP09 K2	160	157.28	9.4	21.6	12	17	23
		GTP09 K2	180	175.77	8.3	19.2	12	17	23
		GTP09 K2	200	203.53	7.5	17.3	12	17	23
		GTP09 K2	225	223.22	6.7	15.4	12	17	23
		GTP09 K2	250	242.15	6.0	13.9	12	17	23
		GTP09 K2	280	278.84	5.4	12.4	12	17	23
		GTP09 K2	320	316.65	4.7	10.8	12	17	23
		GTP09 K2	360	345.44	4.2	9.6	12	17	23
		GTP09 K2	400	393.42	3.8	8.7	12	17	23
		GTP09 K2	450	442.27	3.3	7.7	12	17	23
		GTP09 K2	500	287.63	3.0	6.9	12	17	23
		1000	GTP09 K2	112	111.25	8.9	20.6	12	17
	GTP09 K2		125	125.75	8.0	18.5	12	17	23
	GTP09 K2		140	145.69	7.1	16.5	12	17	23
	GTP09 K2		160	157.28	6.3	14.4	12	17	23
	GTP09 K2		180	175.77	5.6	12.8	12	17	23
	GTP09 K2		200	203.53	5.0	11.5	12	17	23
	GTP09 K2		225	223.22	4.4	10.3	12	17	23
	GTP09 K2		250	242.15	4.0	9.2	12	17	23
	GTP09 K2		280	278.84	3.6	8.2	12	17	23
	GTP09 K2		320	316.65	3.1	7.2	12	17	23
	GTP09 K2		360	345.44	2.8	6.4	12	17	23
	GTP09 K2		400	393.42	2.5	5.8	12	17	23
	GTP09 K2		450	442.27	2.2	5.1	12	17	23
	GTP09 K2		500	287.63	2.0	4.6	12	17	23
	750		GTP09 K2	112	111.25	6.7	15.5	12	17
		GTP09 K2	125	125.75	6.0	13.9	12	17	23
		GTP09 K2	140	145.69	5.4	12.4	12	17	23
		GTP09 K2	160	157.28	4.7	10.8	12	17	23
		GTP09 K2	180	175.77	4.2	9.6	12	17	23
		GTP09 K2	200	203.53	3.8	8.7	12	17	23
		GTP09 K2	225	223.22	3.3	7.7	12	17	23
		GTP09 K2	250	242.15	3.0	6.9	12	17	23
		GTP09 K2	280	278.84	2.7	6.2	12	17	23
		GTP09 K2	320	316.65	2.3	5.4	12	17	23
	GTP09 K2	360	345.44	2.1	4.8	12	17	23	

n ₁		机型	i _n	i	n ₂	P _n	P _{t1}	P _{t2}	P _{t3}	
r/min					r/min	KW	KW	KW	KW	
K3	1500	GTP09 K2	400	393.42	1.9	4.3	12	17	23	
		GTP09 K2	450	442.27	1.7	3.8	12	17	23	
		GTP09 K2	500	287.63	1.5	3.5	12	17	23	
		GTP09 K3	560	566.22	2.68	6.3	10	14	19	
		GTP09 K3	630	640.02	2.38	5.6	10	14	19	
		GTP09 K3	710	700.53	2.11	5.0	10	14	19	
		GTP09 K3	800	777.54	1.88	4.4	10	14	19	
		GTP09 K3	900	878.88	1.67	3.9	10	14	19	
		GTP09 K3	1000	982.19	1.50	3.5	10	14	19	
		GTP09 K3	1120	1137.3	1.34	3.1	10	14	19	
		GTP09 K3	1250	1247.3	1.20	2.8	10	14	19	
		GTP09 K3	1400	1353.1	1.07	2.5	10	14	19	
		GTP09 K3	1600	1558.1	0.94	2.2	10	14	19	
		GTP09 K3	1800	1769.4	0.83	2.0	10	14	19	
		GTP09 K3	2000	1930.3	0.75	1.8	10	14	19	
		GTP09 K3	2240	2198.4	0.67	1.6	10	14	19	
		GTP09 K3	2500	2471.3	0.60	1.4	10	14	19	
		GTP09 K3	2800	2724.8	0.54	1.3	10	14	19	
		GTP09 K3	3150	3105	0.48	1.1	10	14	19	
		GTP09 K3	3550	3597.2	0.42	1.0	10	14	19	
		GTP09 K3	4000	4167.5	0.38	0.9	10	14	19	
		1000	GTP09 K3	560	566.22	1.79	4.2	10	14	19
			GTP09 K3	630	640.02	1.59	3.7	10	14	19
	GTP09 K3		710	700.53	1.41	3.3	10	14	19	
	GTP09 K3		800	777.54	1.25	2.9	10	14	19	
	GTP09 K3		900	878.88	1.11	2.6	10	14	19	
	GTP09 K3		1000	982.19	1.00	2.3	10	14	19	
	GTP09 K3		1120	1137.3	0.89	2.1	10	14	19	
	GTP09 K3		1250	1247.3	0.80	1.9	10	14	19	
	GTP09 K3		1400	1353.1	0.71	1.7	10	14	19	
	GTP09 K3		1600	1558.1	0.63	1.5	10	14	19	
	GTP09 K3		1800	1769.4	0.56	1.3	10	14	19	
	GTP09 K3		2000	1930.3	0.50	1.2	10	14	19	
	GTP09 K3		2240	2198.4	0.45	1	10	14	19	
	GTP09 K3		2500	2471.3	0.40	0.9	10	14	19	
	GTP09 K3		2800	2724.8	0.36	0.8	10	14	19	
GTP09 K3	3150		3105	0.32	0.7	10	14	19		
GTP09 K3	3550		3597.2	0.28	0.7	10	14	19		
GTP09 K3	4000		4167.5	0.25	0.6	10	14	19		
750	GTP09 K3	560	566.22	1.34	3.1	10	14	19		
	GTP09 K3	630	640.02	1.19	2.8	10	14	19		
	GTP09 K3	710	700.53	1.06	2.5	10	14	19		
	GTP09 K3	800	777.54	0.94	2.2	10	14	19		
	GTP09 K3	900	878.88	0.83	2	10	14	19		
	GTP09 K3	1000	982.19	0.75	1.8	10	14	19		
	GTP09 K3	1120	1137.3	0.67	1.6	10	14	19		
	GTP09 K3	1250	1247.3	0.60	1.4	10	14	19		
	GTP09 K3	1400	1353.1	0.54	1.3	10	14	19		
	GTP09 K3	1600	1558.1	0.47	1.1	10	14	19		
	GTP09 K3	1800	1769.4	0.42	1	10	14	19		
	GTP09 K3	2000	1930.3	0.38	0.9	10	14	19		
	GTP09 K3	2240	2198.4	0.33	0.8	10	14	19		
	GTP09 K3	2500	2471.3	0.30	0.7	10	14	19		
	GTP09 K3	2800	2724.8	0.27	0.6	10	14	19		
	GTP09 K3	3150	3105	0.24	0.6	10	14	19		
	GTP09 K3	3550	3597.2	0.21	0.5	10	14	19		
	GTP09 K3	4000	4167.5	0.19	0.4	10	14	19		

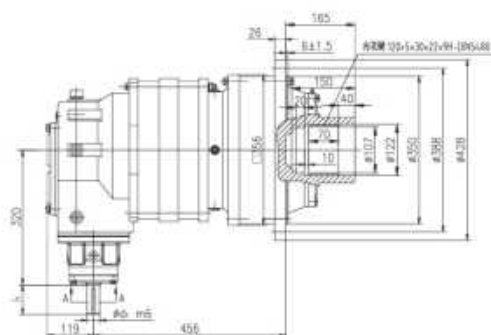
一级锥齿+二级斜齿直角轴(K2)
Right angle input+Parallel-shaft

09

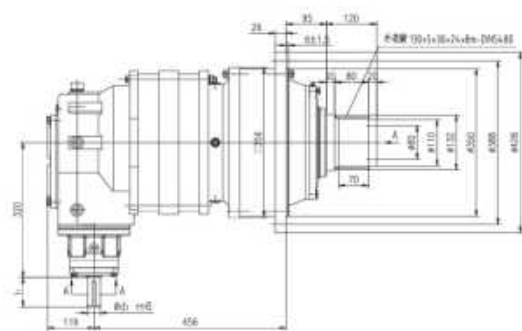


一级锥齿+一级斜齿直角轴(K3)
Right angle input+Parallel-shaft

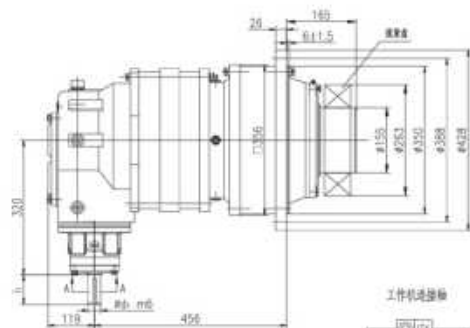
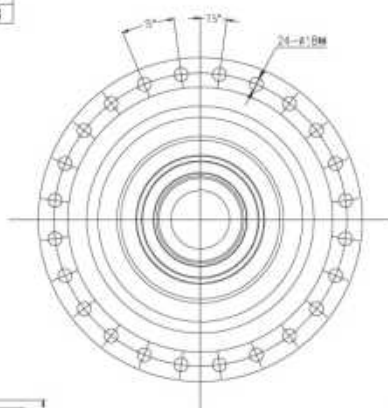
09



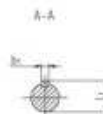
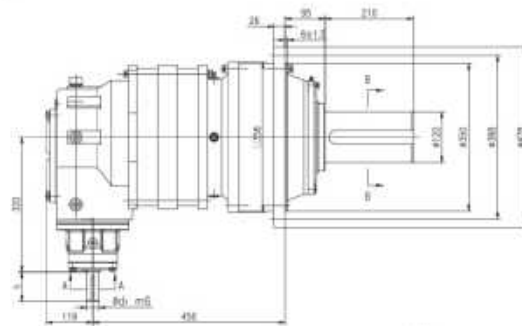
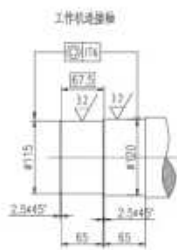
$iN \leq 2000$		$iN \geq 2240$	
d_1	l_1	d_1	l_1
30	70	25	60
b_1	L_1	b_1	L_1
8	33	8	28



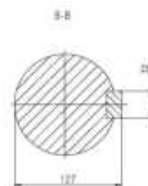
iN≤2000		iN≥2240	
d ₁	l ₁	d ₂	l ₂
30	70	25	60
b ₁	L ₁	b	L ₁
8	33	8	28



输入轴尺寸			
$IN \leq 2000$		$IN \geq 2240$	
d_i	l_i	d_i	l_i
30	70	25	60
b_i	L_i	b_i	L_i
8	33	8	28

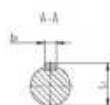
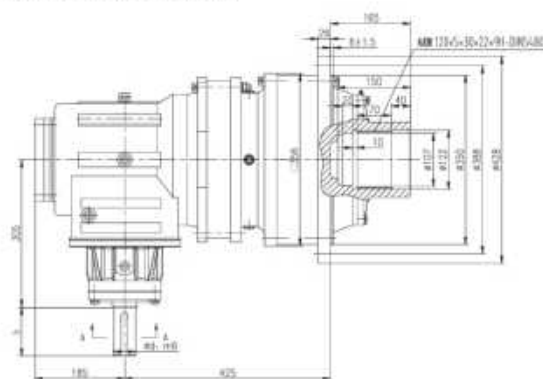


$iN \leq 2000$		$iN \geq 2240$	
d_i	l_i	d_i	l_i
30	70	25	60
b_i	L_i	b_i	L_i
8	33	8	28

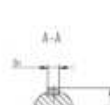
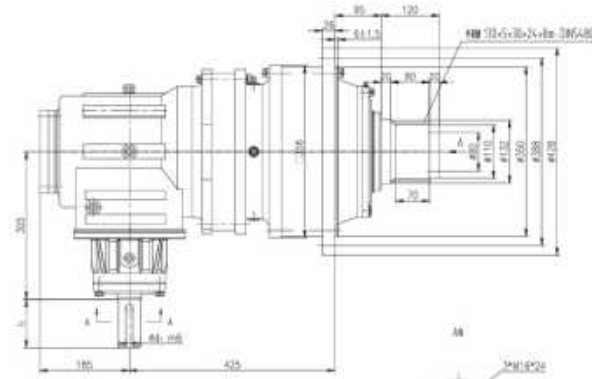


一级锥齿直交轴(L2)
Right angle input

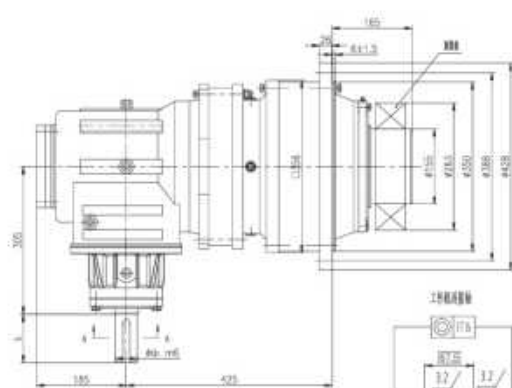
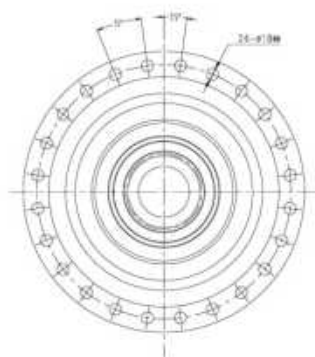
09



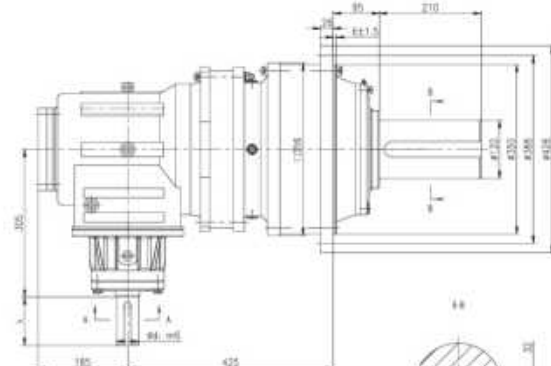
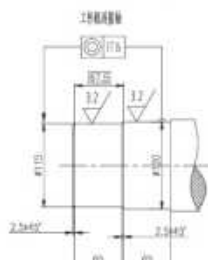
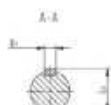
输入轴尺寸			
IN ≤ 90		IN ≥ 100	
d _i	l _i	d _i	l _i
45	100	30	80
b _i	L _i	b	L _i
14	48.5	10	38



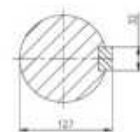
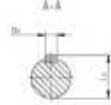
输入轴尺寸			
IN ≤ 90		IN ≥ 100	
d _i	l _i	d _i	l _i
45	100	30	80
b _i	L _i	b	L _i
14	48.5	10	38



输入轴尺寸			
IN ≤ 90		IN ≥ 100	
d _i	l _i	d _i	l _i
45	100	30	80
b _i	L _i	b	L _i
14	48.5	10	38



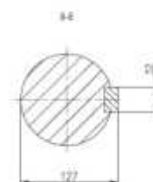
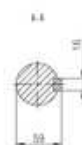
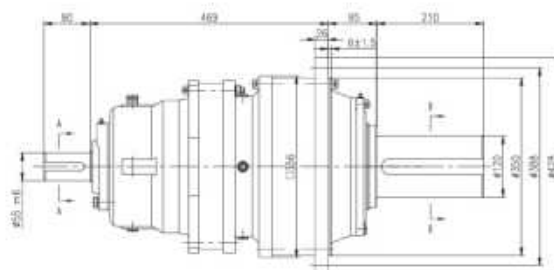
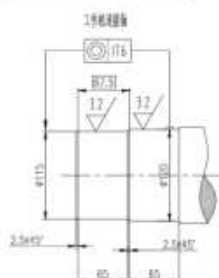
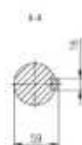
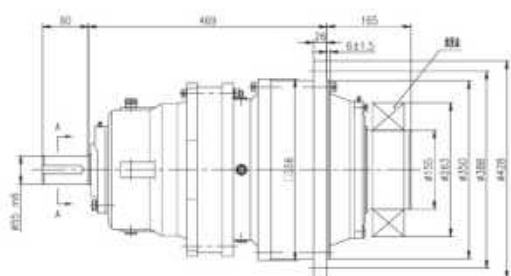
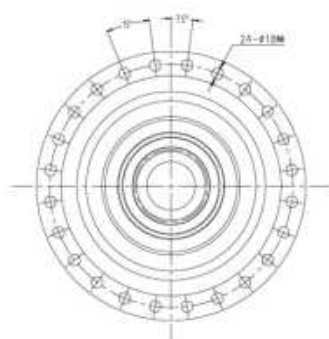
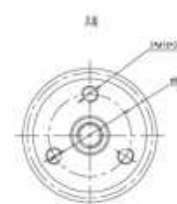
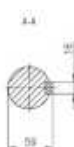
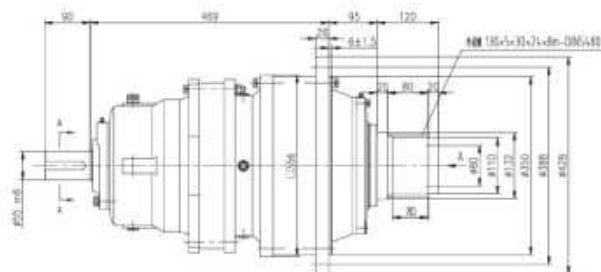
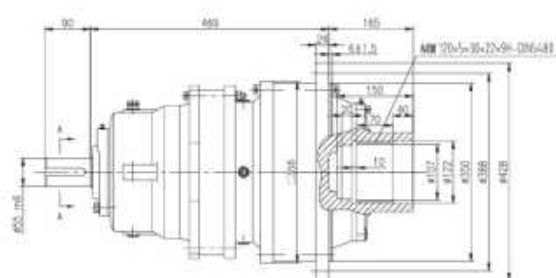
输入轴尺寸			
IN ≤ 90		IN ≥ 100	
d _i	l _i	d _i	l _i
45	100	30	80
b _i	L _i	b	L _i
14	48.5	10	38



同轴式(N2)

In line

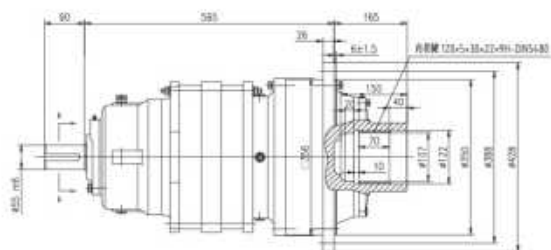
09



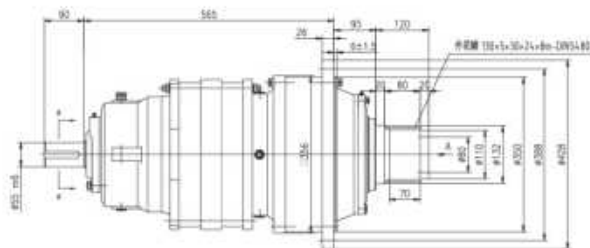
同轴式(N3)

In line

09



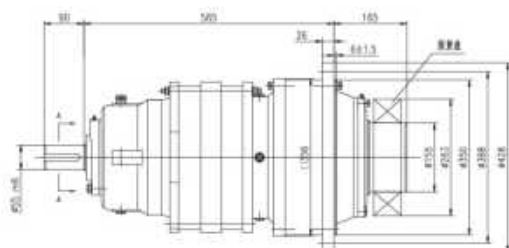
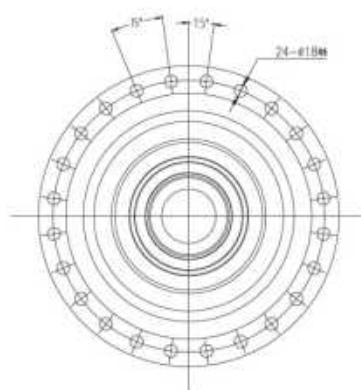
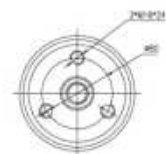
A-A



A-A



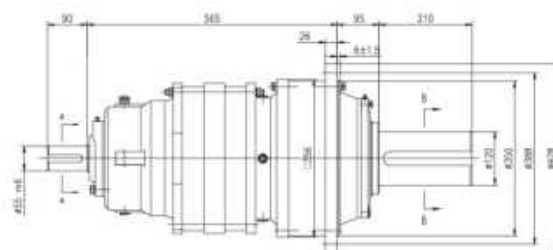
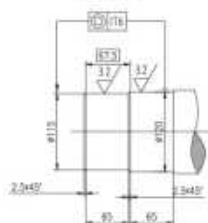
A-A



A-A



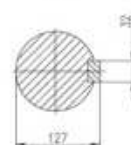
工作机连接轴



A-A

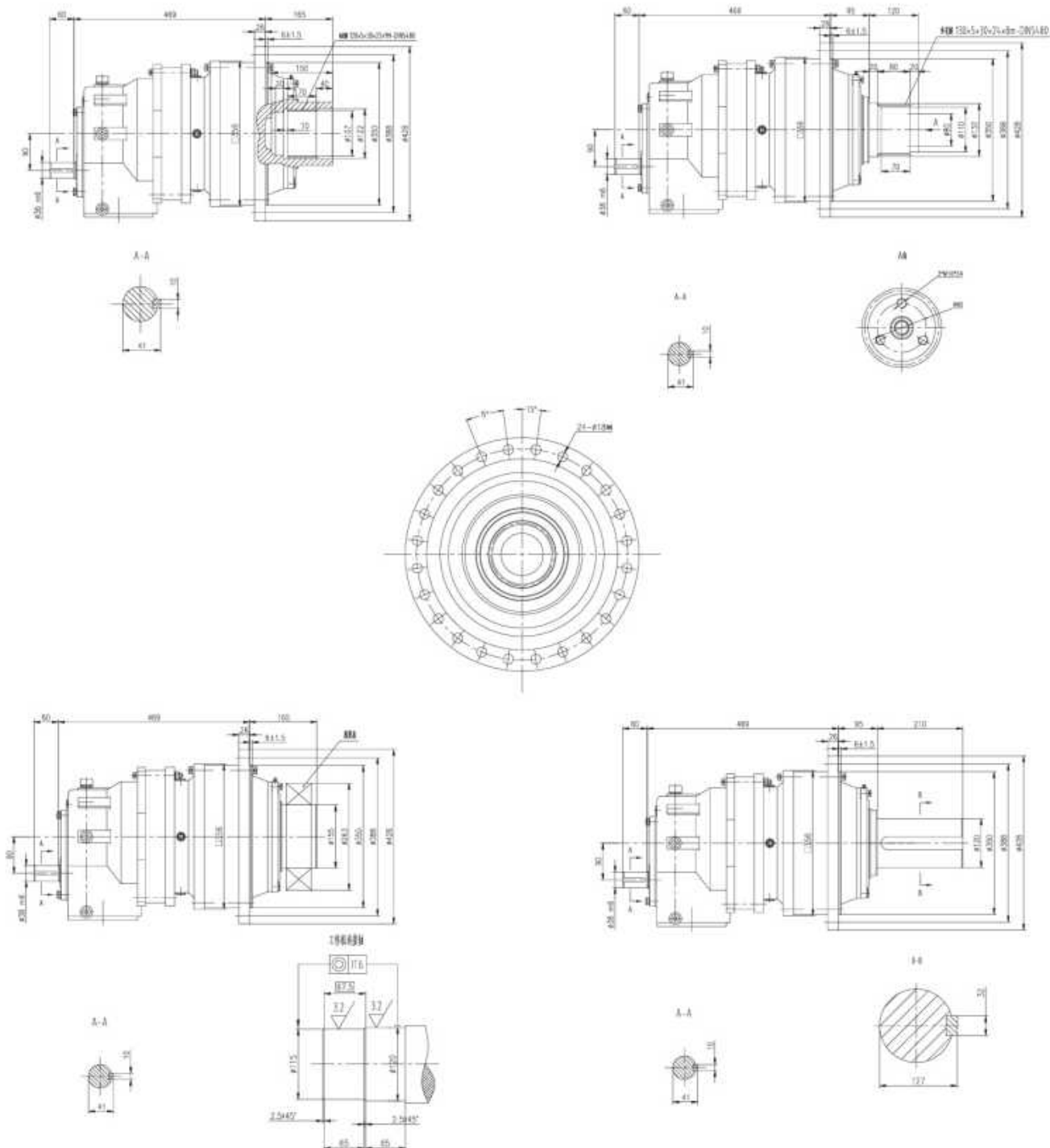


B-B

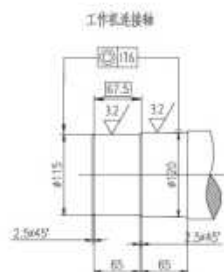
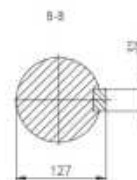
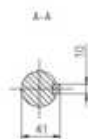
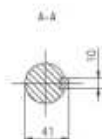
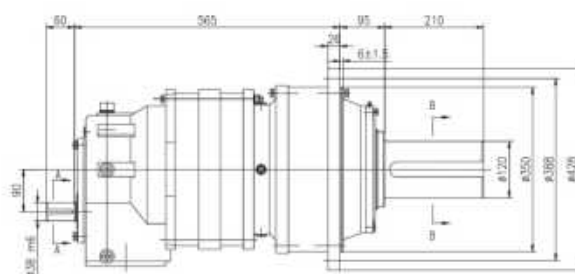
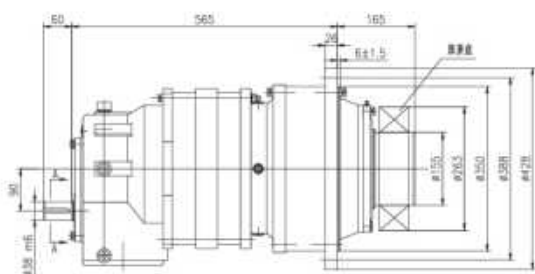
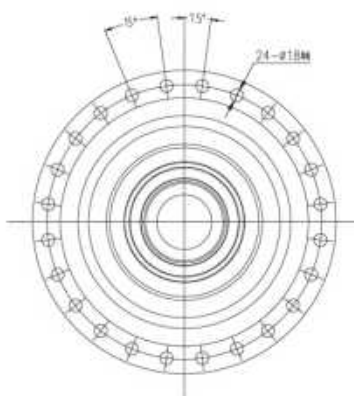
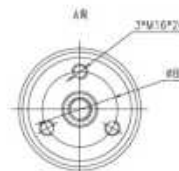
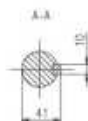
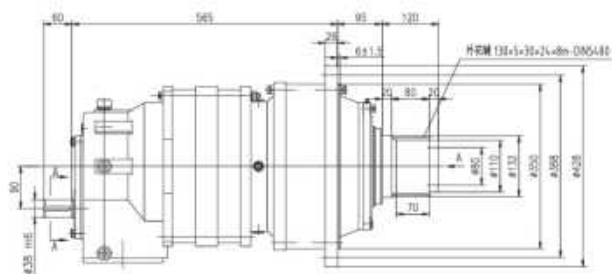


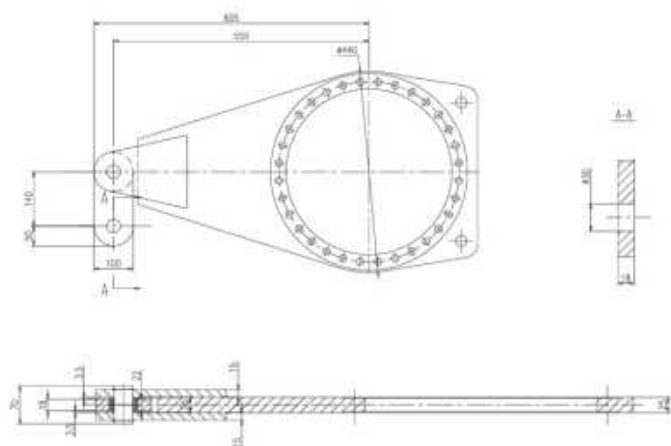
一级斜齿平行轴(S2)
Parallel-shaft input

09

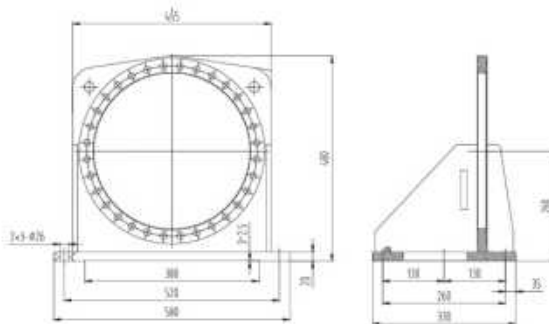


09

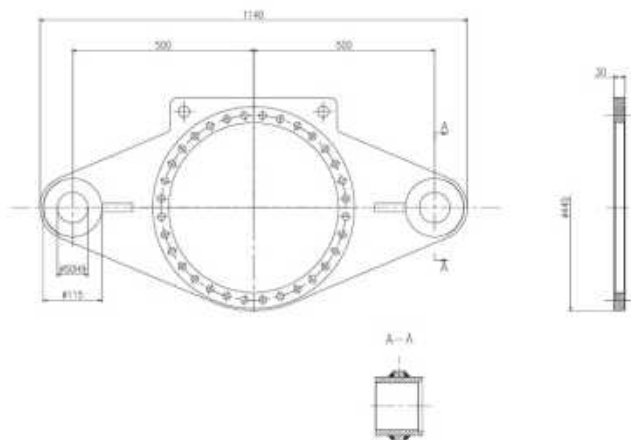




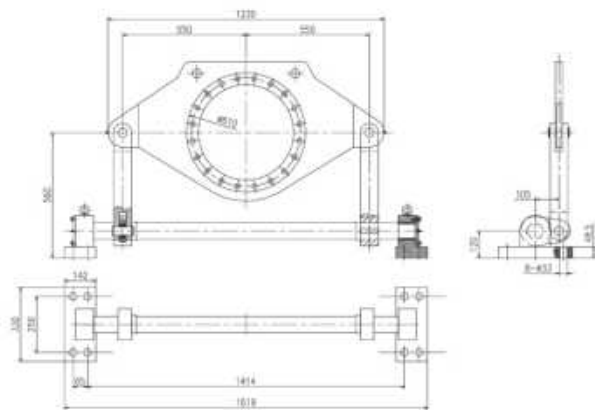
75-单侧扭矩支撑臂



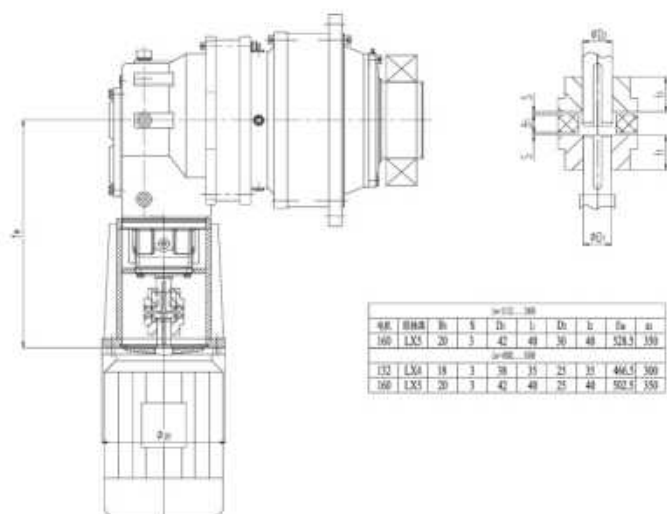
96-底座



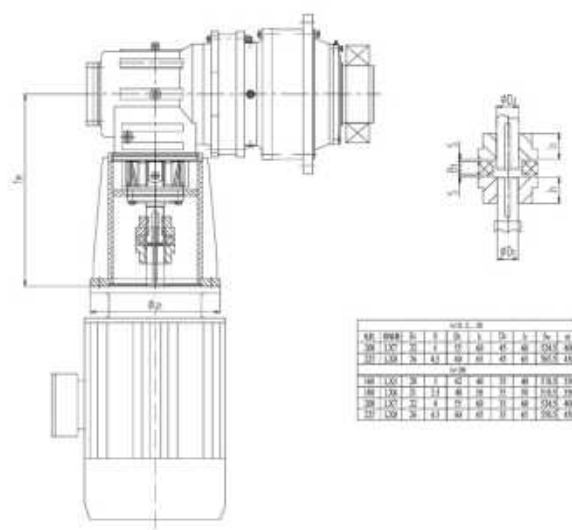
76-两侧扭矩支撑臂



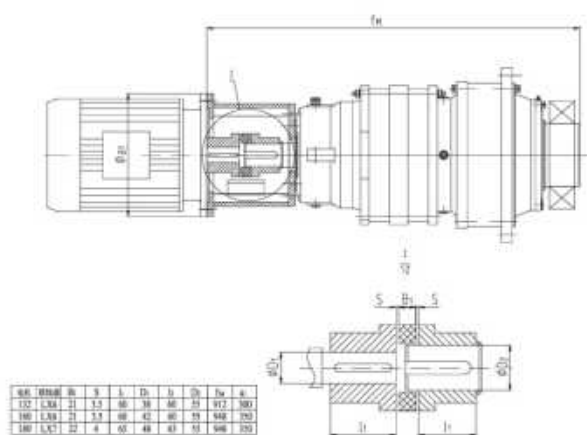
77-扭力轴支撑架



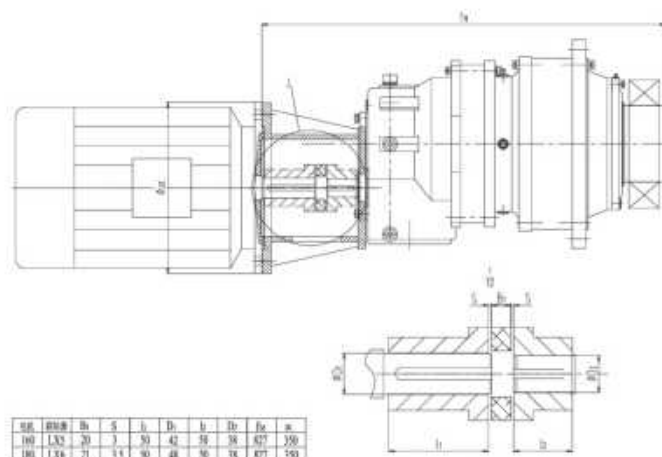
70-K2带电机



70-L2带电机



70-N3带电机



70-S2带电机

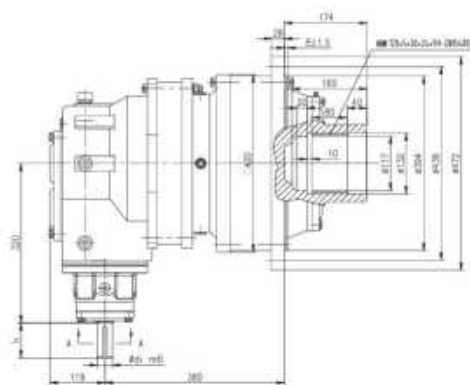
GTP10				31000 N·m						
n ₁ r/min	机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW		
N2	1500	GTP10 N2	25	25.634	60.0	193	26	37	50	
		GTP10 N2	28	28.058	54.0	173	26	37	50	
		GTP10 N2	31.5	31.142	48.0	154	26	37	50	
		GTP10 N2	35.5	35.201	42.0	135	26	37	50	
		GTP10 N2	40	40.781	38.0	122	26	37	50	
	1000	GTP10 N2	25	25.634	40.0	129	26	37	50	
		GTP10 N2	28	28.058	36.0	116	26	37	50	
		GTP10 N2	31.5	31.142	32.0	103	26	37	50	
		GTP10 N2	35.5	35.201	28.0	90	26	37	50	
		GTP10 N2	40	40.781	25.0	80	26	37	50	
	750	GTP10 N2	25	25.634	30.0	96	26	37	50	
		GTP10 N2	28	28.058	27.0	87	26	37	50	
		GTP10 N2	31.5	31.142	24.0	77	26	37	50	
		GTP10 N2	35.5	35.201	21.0	67	26	37	50	
		GTP10 N2	40	40.781	19.0	61	26	37	50	
	N3	1500	GTP10 N3	140	146.81	10.7	34.9	26	37	50
			GTP10 N3	160	165.95	9.4	30.6	26	37	50
			GTP10 N3	180	192.25	8.3	27.2	26	37	50
GTP10 N3			200	210.43	7.5	24.4	26	37	50	
GTP10 N3			225	233.57	6.7	21.7	26	37	50	
GTP10 N3			250	264.01	6.0	19.6	26	37	50	
GTP10 N3			280	305.86	5.4	17.5	26	37	50	
1000			GTP10 N3	140	146.81	7.1	23.3	26	37	50
		GTP10 N3	160	165.95	6.3	20.4	26	37	50	
		GTP10 N3	180	192.25	5.6	18.1	26	37	50	
		GTP10 N3	200	210.43	5.0	16.3	26	37	50	
		GTP10 N3	225	233.57	4.4	14.5	26	37	50	
		GTP10 N3	250	264.01	4.0	13	26	37	50	
		GTP10 N3	280	305.86	3.6	8.3	26	37	50	
		750	GTP10 N3	140	146.81	5.4	17.5	26	37	50
GTP10 N3			160	165.95	4.7	15.3	26	37	50	
GTP10 N3			180	192.25	4.2	13.6	26	37	50	
GTP10 N3			200	210.43	3.8	12.2	26	37	50	
GTP10 N3			225	233.57	3.3	10.9	26	37	50	
GTP10 N3			250	264.01	3.0	9.8	26	37	50	
GTP10 N3			280	305.86	2.7	8.7	26	37	50	
L2			1500	GTP10 L2	31.5	32.5354	47.6	156	26	37
		GTP10 L2		35.5	35.6114	42.3	139	26	37	50
		GTP10 L2		40	39.5264	37.5	123	26	37	50
		GTP10 L2		45	43.882	33.3	109	26	37	50
		GTP10 L2		50	50.4205	30.0	98	26	37	50
		GTP10 L2		56	55.7279	26.8	88	26	37	50
	GTP10 L2	63		60.4522	23.8	78	26	37	50	
	GTP10 L2	71		69.6116	21.1	69	26	37	50	
	GTP10 L2	80		79.0529	18.8	62	26	37	50	
	GTP10 L2	90		86.2395	16.7	55	26	37	50	
	GTP10 L2	100		98.2172	15.0	49	26	37	50	
	1000	GTP10 L2	31.5	32.5354	31.7	104	26	37	50	
		GTP10 L2	35.5	35.6114	28.2	92	26	37	50	
		GTP10 L2	40	39.5264	25.0	82	26	37	50	
		GTP10 L2	45	43.882	22.2	73	26	37	50	
		GTP10 L2	50	50.4205	20.0	66	26	37	50	
		GTP10 L2	56	55.7279	17.9	59	26	37	50	
		GTP10 L2	63	60.4522	15.9	52	26	37	50	
		GTP10 L2	71	69.6116	14.1	46	26	37	50	

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW	
S2	750	GTP10 L2	80	79.0529	12.5	41	26	37	50
		GTP10 L2	90	86.2395	11.1	36	26	37	50
		GTP10 L2	100	98.2172	10.0	33	26	37	50
	750	GTP10 L2	31.5	32.5354	23.8	78	26	37	50
		GTP10 L2	35.5	35.6114	21.1	49	26	37	50
		GTP10 L2	40	39.5264	18.8	62	26	37	50
		GTP10 L2	45	43.882	16.7	55	26	37	50
		GTP10 L2	50	50.4205	15.0	49	26	37	50
		GTP10 L2	56	55.7279	13.4	44	26	37	50
		GTP10 L2	63	60.4522	11.9	39	26	37	50
		GTP10 L2	71	69.6116	10.6	35	26	37	50
		GTP10 L2	80	79.0529	9.4	31	26	37	50
		GTP10 L2	90	86.2395	8.3	27	26	37	50
		GTP10 L2	100	98.2172	7.5	25	26	37	50
	1500	GTP10 S2	45	45.601	33.3	147	26	37	50
		GTP10 S2	50	51.544	30.0	132	26	37	50
		GTP10 S2	56	59.715	26.8	118	26	37	50
		GTP10 S2	63	61.953	23.8	105	26	37	50
		GTP10 S2	71	71.775	21.1	93	26	37	50
		GTP10 S2	80	78.782	18.8	82	26	37	50
		GTP10 S2	90	91.272	16.7	73	26	37	50
		GTP10 S2	100	99.735	15.0	66	26	37	50
		GTP10 S2	112	115.55	13.4	59	26	37	50
		GTP10 S2	125	124.74	12.0	53	26	37	50
	1000	GTP10 S2	45	45.601	22.2	98	26	37	50
		GTP10 S2	50	51.544	20.0	88	26	37	50
		GTP10 S2	56	59.715	17.9	79	26	37	50
		GTP10 S2	63	61.953	15.9	70	26	37	50
		GTP10 S2	71	71.775	14.1	62	26	37	50
		GTP10 S2	80	78.782	12.5	50	26	37	50
		GTP10 S2	90	91.272	11.1	49	26	37	50
		GTP10 S2	100	99.735	10.0	44	26	37	50
		GTP10 S2	112	115.55	8.9	39	26	37	50
		GTP10 S2	125	124.74	8.0	35	26	37	50
S3	750	GTP10 S2	45	45.601	16.7	73	26	37	50
		GTP10 S2	50	51.544	15.0	66	26	37	50
		GTP10 S2	56	59.715	13.4	59	26	37	50
		GTP10 S2	63	61.953	11.9	52	26	37	50
		GTP10 S2	71	71.775	10.6	46	26	37	50
		GTP10 S2	80	78.782	9.4	41	26	37	50
		GTP10 S2	90	91.272	8.3	37	26	37	50
		GTP10 S2	100	99.735	7.5	33	26	37	50
		GTP10 S2	112	115.55	6.7	29	26	37	50
		GTP10 S2	125	124.74	6.0	26	26	37	50
	1500	GTP10 S3	280	295.21	5.4	17.6	26	37	50
		GTP10 S3	315	333.68	4.8	16	26	37	50
		GTP10 S3	355	386.58	4.2	14	26	37	50
		GTP10 S3	400	401.07	3.8	12.4	26	37	50
		GTP10 S3	450	464.65	3.3	11	26	37	50
		GTP10 S3	500	510.01	3.0	10	26	37	50
		GTP10 S3	560	590.87	2.7	8.8	26	37	50
		GTP10 S3	630	645.65	2.4	7.8	26	37	50
		GTP10 S3	710	748.01	2.1	7	26	37	50
		GTP10 S3	800	807.55	1.9	6.2	26	37	50
		GTP10 S3	900	935.57	1.7	5.5	26	37	50
	1000	GTP10 S3	280	295.21	3.6	12	26	37	50
		GTP10 S3	315	333.68	3.2	10.5	26	37	50
		GTP10 S3	355	386.58	2.8	9.3	26	37	50

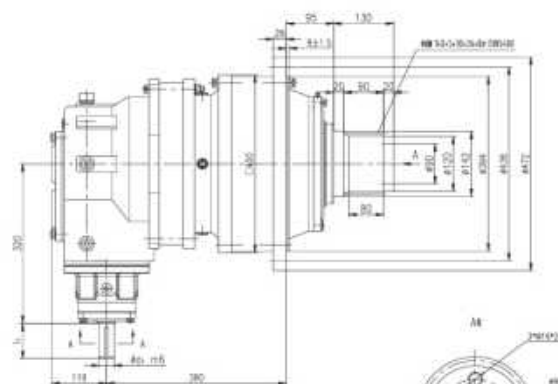
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW		
K2	750	GTP10 S3	400	401.07	2.5	8.2	26	37	50	
		GTP10 S3	450	464.65	2.2	7.3	26	37	50	
		GTP10 S3	500	510.01	2.0	6.6	26	37	50	
		GTP10 S3	560	590.87	1.8	6	26	37	50	
		GTP10 S3	630	645.65	1.6	5.2	26	37	50	
		GTP10 S3	710	748.01	1.4	4.5	26	37	50	
		GTP10 S3	800	807.55	1.3	4.1	26	37	50	
		GTP10 S3	900	935.57	1.1	3.7	26	37	50	
	1500	GTP10 S3	280	295.21	2.7	8.8	26	37	50	
		GTP10 S3	315	333.68	2.4	7.8	26	37	50	
		GTP10 S3	355	386.58	2.1	7	26	37	50	
		GTP10 S3	400	401.07	1.9	6.2	26	37	50	
		GTP10 S3	450	464.65	1.7	5.5	26	37	50	
		GTP10 S3	500	510.01	1.5	5	26	37	50	
		GTP10 S3	560	590.87	1.3	4.4	26	37	50	
		GTP10 S3	630	645.65	1.2	3.9	26	37	50	
		GTP10 S3	710	748.01	1.1	3.5	26	37	50	
		GTP10 S3	800	807.55	0.9	3.1	26	37	50	
		GTP10 S3	900	935.57	0.8	2.7	26	37	50	
		1000	GTP10 K2	112	111.25	13.4	43.6	26	37	50
	GTP10 K2		125	125.75	12.0	39	26	37	50	
	GTP10 K2		140	145.69	10.7	34.9	26	37	50	
	GTP10 K2		160	157.28	9.4	30.5	26	37	50	
	GTP10 K2		180	175.77	8.3	27.1	26	37	50	
	GTP10 K2		200	203.53	7.5	24.4	26	37	50	
	GTP10 K2		225	223.22	6.7	21.7	26	37	50	
	GTP10 K2		250	242.15	6.0	19.5	26	37	50	
	GTP10 K2		280	278.84	5.4	17.4	26	37	50	
	GTP10 K2		320	316.65	4.7	15.3	26	37	50	
	GTP10 K2		360	345.44	4.2	13.6	26	37	50	
	GTP10 K2		400	393.42	3.8	12.2	26	37	50	
	GTP10 K2		450	442.27	3.3	10.8	26	37	50	
	GTP10 K2		500	487.63	3.0	9.8	26	37	50	
	750		GTP10 K2	112	111.25	8.9	29	26	37	50
			GTP10 K2	125	125.75	8.0	26	26	37	50
		GTP10 K2	140	145.69	7.1	23.2	26	37	50	
GTP10 K2		160	157.28	6.3	20.3	26	37	50		
GTP10 K2		180	175.77	5.6	18.1	26	37	50		
GTP10 K2		200	203.53	5.0	16.3	26	37	50		
GTP10 K2		225	223.22	4.4	14.5	26	37	50		
GTP10 K2		250	242.15	4.0	13	26	37	50		
GTP10 K2		280	278.84	3.6	11.6	26	37	50		
GTP10 K2		320	316.65	3.1	10.2	26	37	50		
GTP10 K2		360	345.44	2.8	9	26	37	50		
GTP10 K2		400	393.42	2.5	8.1	26	37	50		
GTP10 K2		450	442.27	2.2	7.2	26	37	50		
GTP10 K2		500	487.63	2.0	6.5	26	37	50		
GTP10 K2		112	111.25	6.7	21.8	26	37	50		
GTP10 K2		125	125.75	6.0	19.5	26	37	50		
GTP10 K2	140	145.69	5.4	17.4	26	37	50			
GTP10 K2	160	157.28	4.7	15.3	26	37	50			
GTP10 K2	180	175.77	4.2	13.6	26	37	50			
GTP10 K2	200	203.53	3.8	12.2	26	37	50			
GTP10 K2	225	223.22	3.3	10.8	26	37	50			
GTP10 K2	250	242.15	3.0	9.8	26	37	50			
GTP10 K2	280	278.84	2.7	8.7	26	37	50			
GTP10 K2	320	316.65	2.3	7.6	26	37	50			
GTP10 K2	360	345.44	2.1	6.8	26	37	50			

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW	
K3	1500	GTP10 K2	400	393.42	1.9	6.1	26	37	50
		GTP10 K2	450	442.27	1.7	5.4	26	37	50
		GTP10 K2	500	487.63	1.5	4.9	26	37	50
	1500	GTP10 K3	560	566.22	2.68	9	26	37	50
		GTP10 K3	630	640.02	2.38	7.8	26	37	50
		GTP10 K3	710	700.53	2.11	7	26	37	50
		GTP10 K3	800	777.54	1.88	6	26	37	50
		GTP10 K3	900	878.88	1.67	5.5	26	37	50
		GTP10 K3	1000	982.19	1.50	5	26	37	50
		GTP10 K3	1120	1137.3	1.34	4.4	26	37	50
		GTP10 K3	1250	1247.3	1.20	4	26	37	50
		GTP10 K3	1400	1353.1	1.07	3.5	26	37	50
		GTP10 K3	1600	1558.1	0.94	3.1	26	37	50
		GTP10 K3	1800	1769.4	0.83	2.8	26	37	50
		GTP10 K3	2000	1930.3	0.75	2.5	26	37	50
		GTP10 K3	2240	2198.4	0.67	2.2	26	37	50
		GTP10 K3	2500	2471.3	0.60	2	26	37	50
		GTP10 K3	2800	2724.8	0.54	1.8	26	37	50
		GTP10 K3	3150	3105	0.48	1.6	26	37	50
		GTP10 K3	3550	3597.2	0.42	1.4	26	37	50
		GTP10 K3	4000	4167.5	0.38	1.2	26	37	50
	1000	GTP10 K3	560	566.22	1.79	6	26	37	50
		GTP10 K3	630	640.02	1.59	5.2	26	37	50
		GTP10 K3	710	700.53	1.41	4.5	26	37	50
		GTP10 K3	800	777.54	1.25	4	26	37	50
		GTP10 K3	900	878.88	1.11	3.7	26	37	50
		GTP10 K3	1000	982.19	1.00	3.3	26	37	50
		GTP10 K3	1120	1137.3	0.89	2.9	26	37	50
		GTP10 K3	1250	1247.3	0.80	2.6	26	37	50
		GTP10 K3	1400	1353.1	0.71	2.4	26	37	50
		GTP10 K3	1600	1558.1	0.63	2.1	26	37	50
		GTP10 K3	1800	1769.4	0.56	1.8	26	37	50
		GTP10 K3	2000	1930.3	0.50	1.7	26	37	50
		GTP10 K3	2240	2198.4	0.45	1.5	26	37	50
		GTP10 K3	2500	2471.3	0.40	1.3	26	37	50
		GTP10 K3	2800	2724.8	0.36	1.2	26	37	50
GTP10 K3		3150	3105	0.32	1	26	37	50	
GTP10 K3		3550	3597.2	0.28	0.9	26	37	50	
GTP10 K3		4000	4167.5	0.25	0.8	26	37	50	
750	GTP10 K3	560	566.22	1.34	4.4	26	37	50	
	GTP10 K3	630	640.02	1.19	3.9	26	37	50	
	GTP10 K3	710	700.53	1.06	3.5	26	37	50	
	GTP10 K3	800	777.54	0.94	3	26	37	50	
	GTP10 K3	900	878.88	0.83	2.7	26	37	50	
	GTP10 K3	1000	982.19	0.75	2.5	26	37	50	
	GTP10 K3	1120	1137.3	0.67	2.2	26	37	50	
	GTP10 K3	1250	1247.3	0.60	2	26	37	50	
	GTP10 K3	1400	1353.1	0.54	1.8	26	37	50	
	GTP10 K3	1600	1558.1	0.47	1.5	26	37	50	
	GTP10 K3	1800	1769.4	0.42	1.4	26	37	50	
	GTP10 K3	2000	1930.3	0.38	1.2	26	37	50	
	GTP10 K3	2240	2198.4	0.33	1.1	26	37	50	
	GTP10 K3	2500	2471.3	0.30	1	26	37	50	
	GTP10 K3	2800	2724.8	0.27	0.9	26	37	50	
	GTP10 K3	3150	3105	0.24	0.8	26	37	50	
	GTP10 K3	3550	3597.2	0.21	0.7	26	37	50	
	GTP10 K3	4000	4167.5	0.19	0.6	26	37	50	

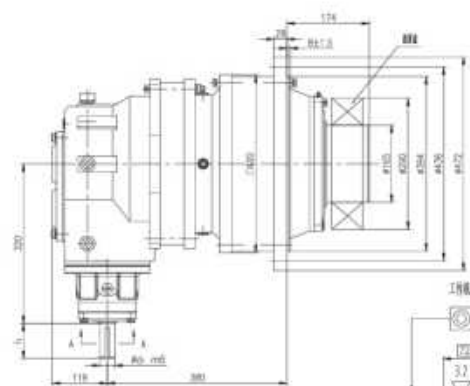
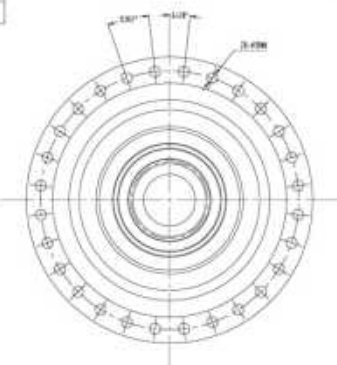
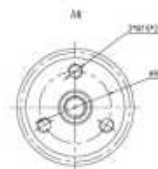
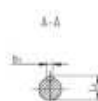
10



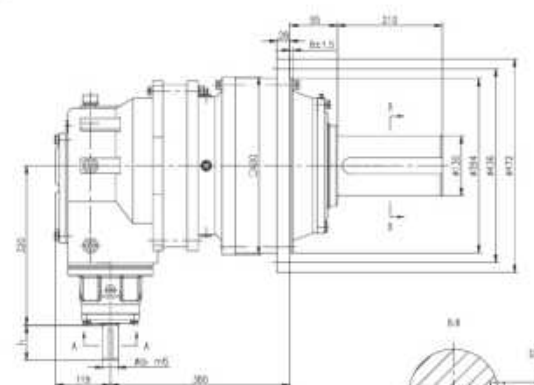
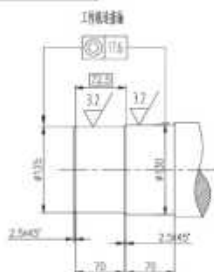
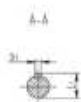
量入箱尺寸			
$iN \leq 360$		$iN \geq 400$	
d_i	l_i	d_i	l_i
30	70	25	60
b_i	L_i	b_i	L_i
8	33	8	28



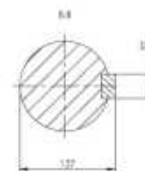
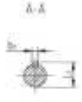
$iN \leq 360$		$iN \geq 400$	
d_1	l_1	d_2	l_2
30	70	25	60
b_1	L_1	b	L_1
8	33	8	28



输入轴尺寸			
$iN \leq 360$		$iN \geq 400$	
d_1	l_1	d_1	l_1
30	70	25	60
b_1	L_1	b	L_1
8	33	8	28

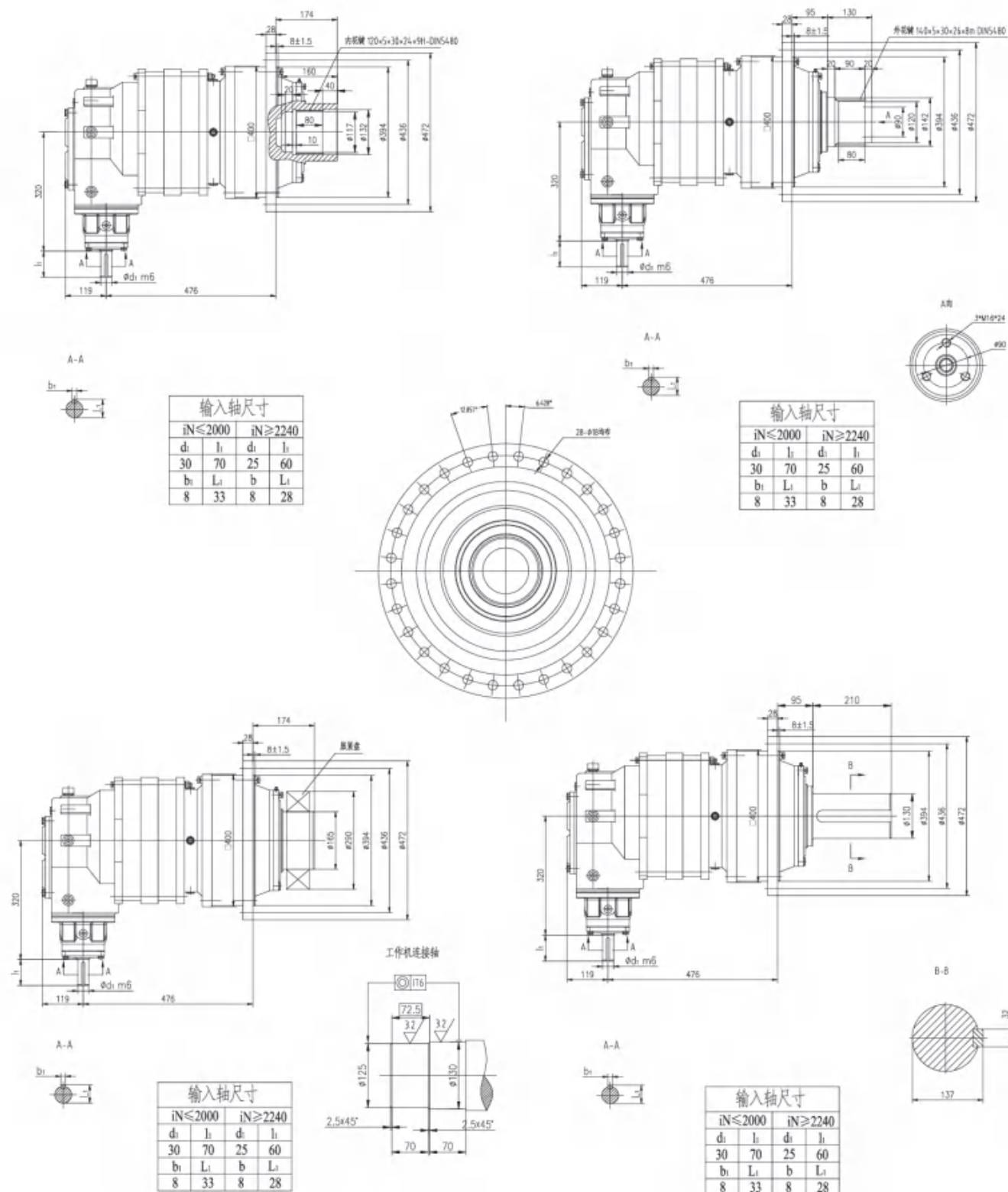


输入轴尺寸			
$iN \leq 360$		$iN \geq 400$	
d_1	b	d_1	b
30	70	25	60
b_0	L_1	b	L_1
8	33	8	28

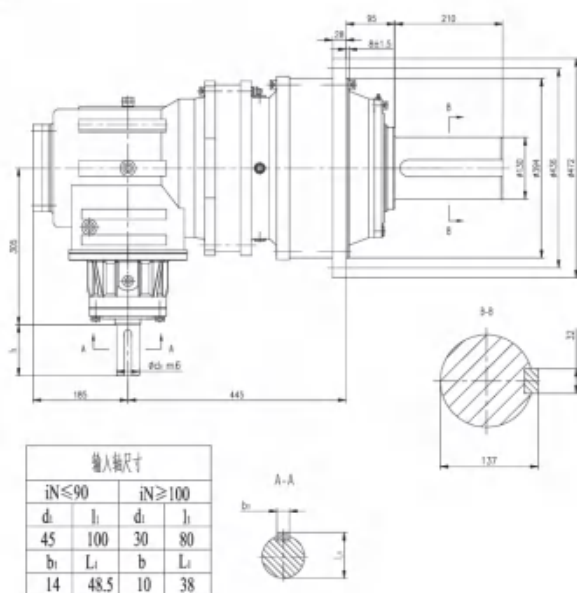
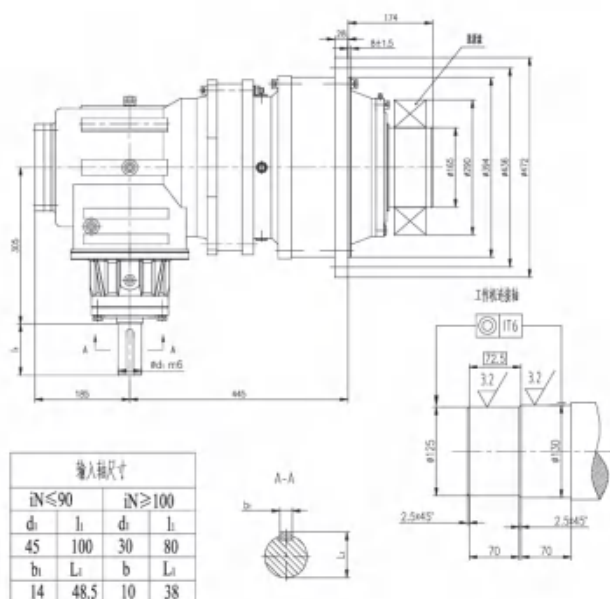
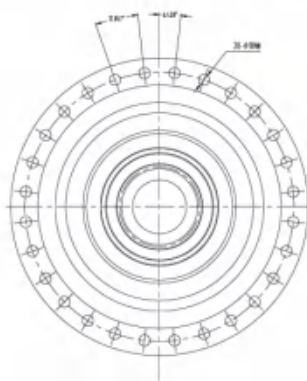
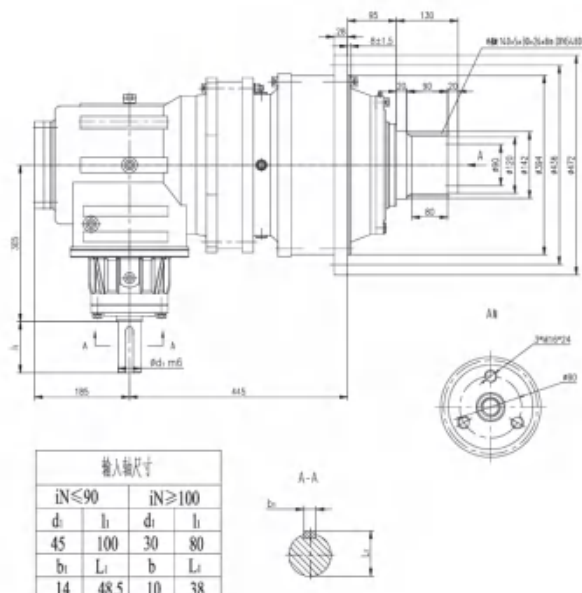
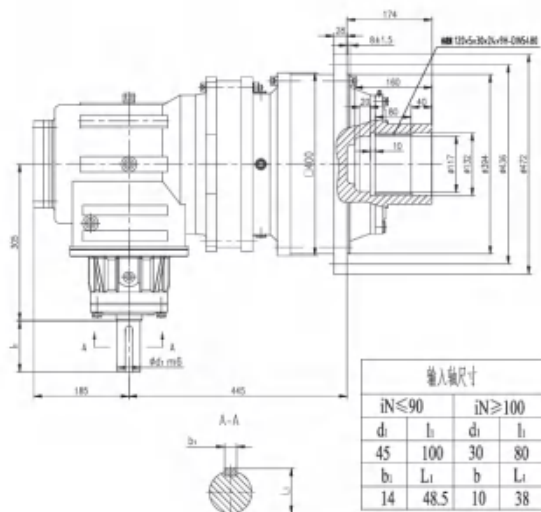


一级锥齿+一级斜齿直角轴(K3)
Right angle input+Parallel-shaft

10

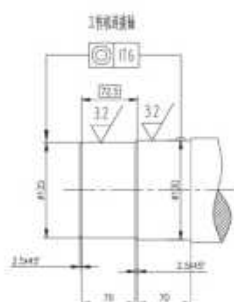
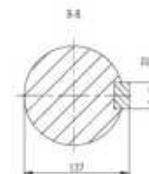
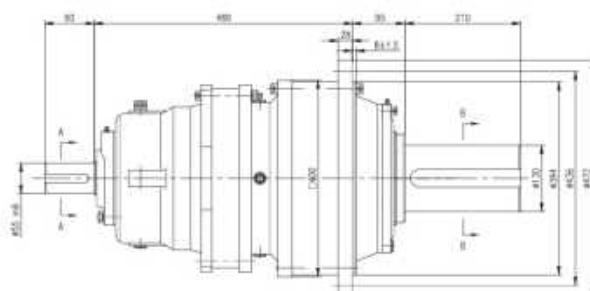
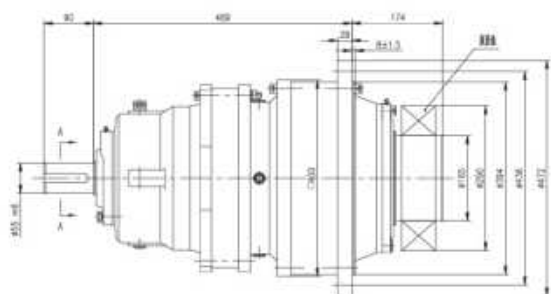
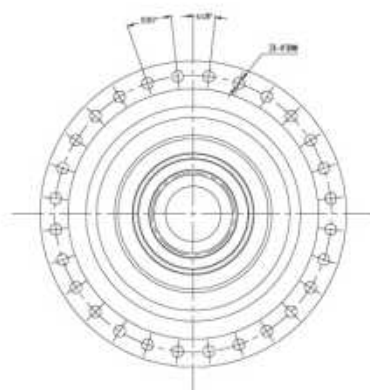
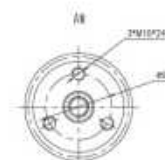
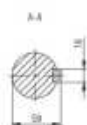
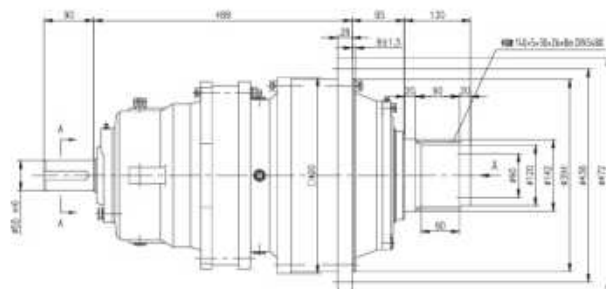
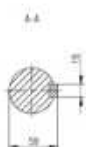
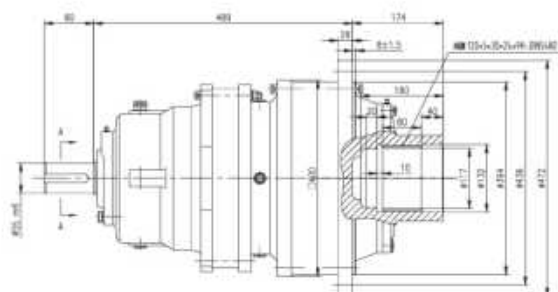


一级锥齿直交轴(L2)
Right angle input



同轴式(N2)
In line

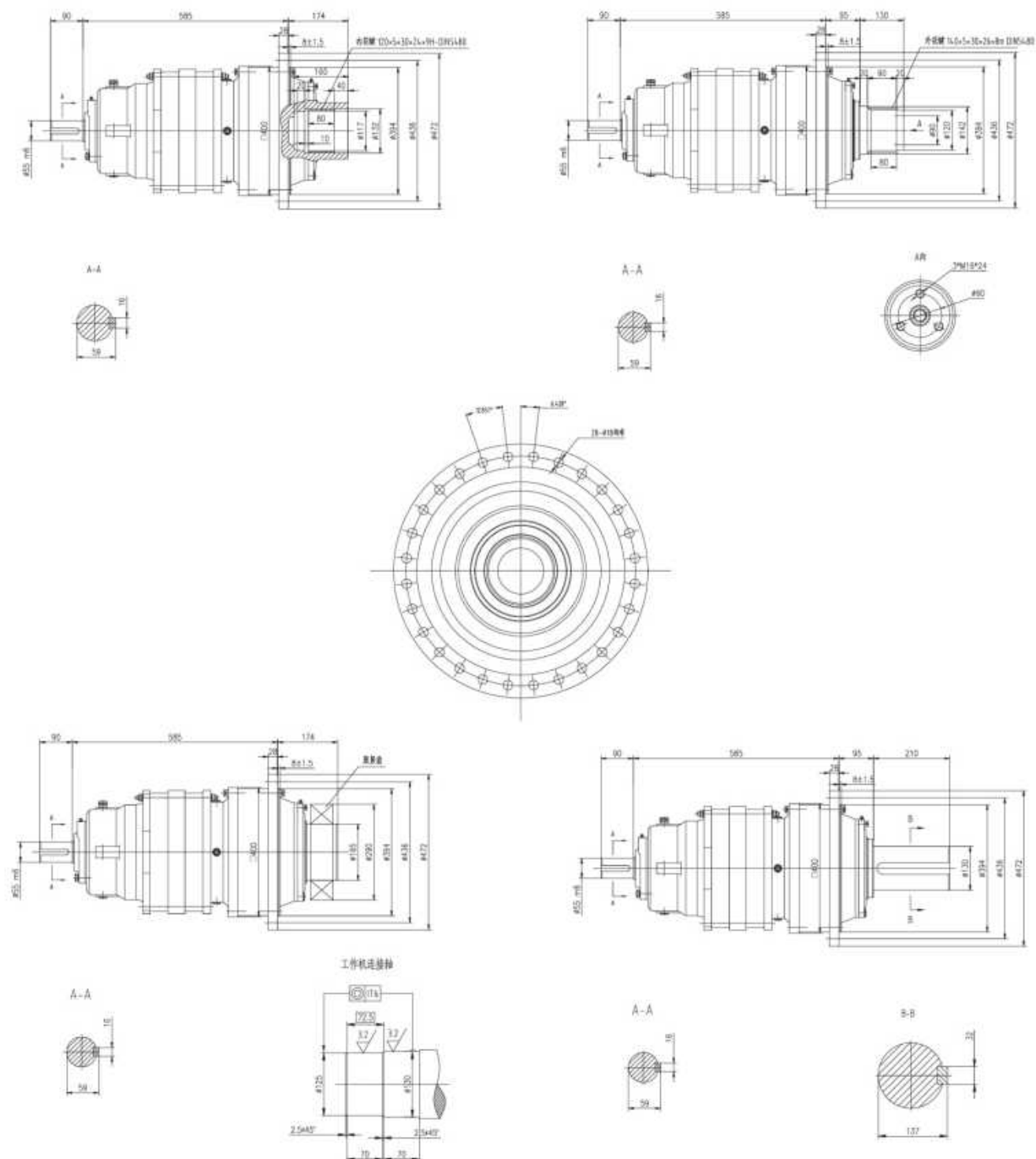
10



同轴式(N3)

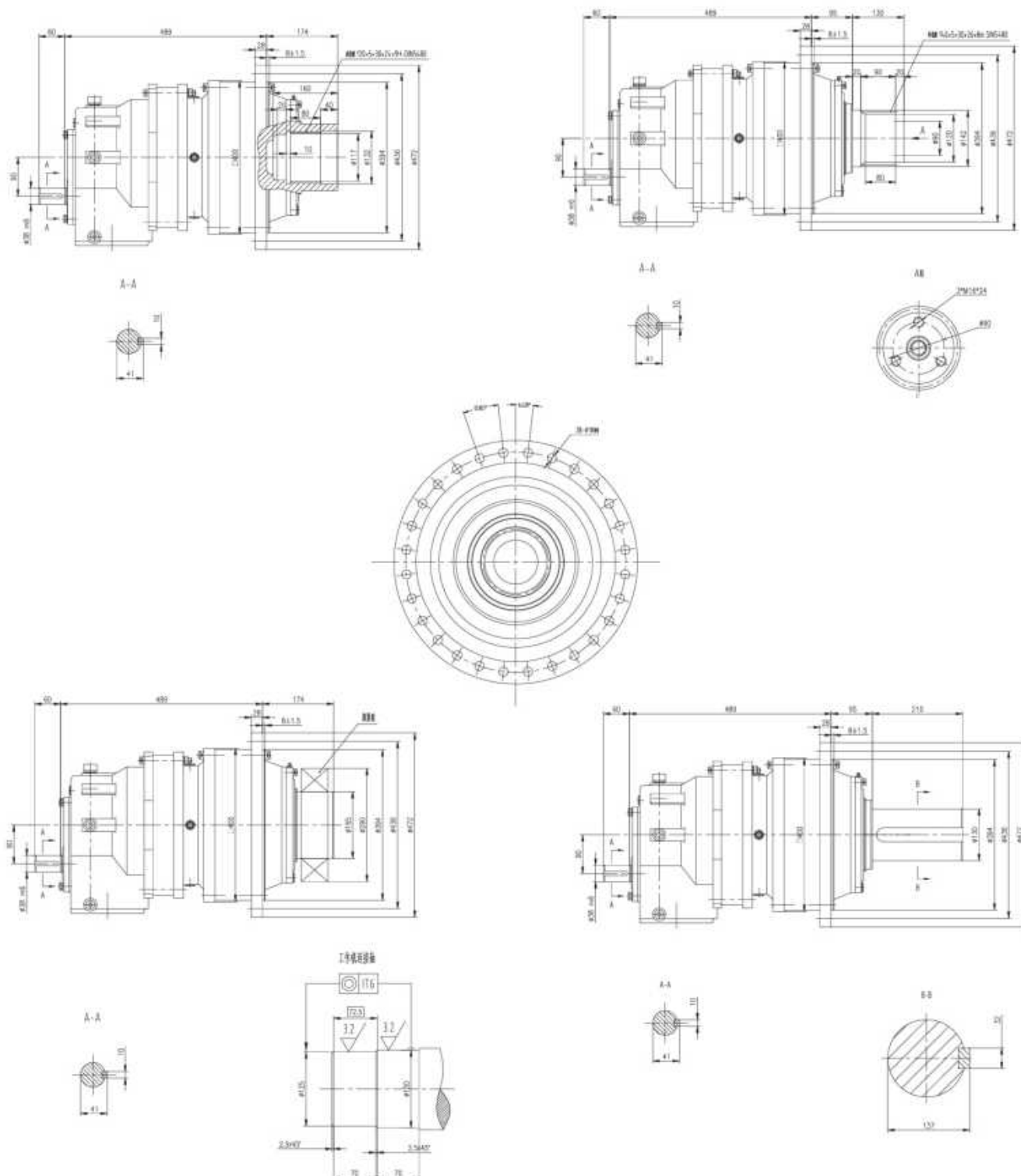
In line

10



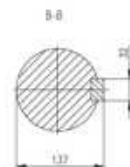
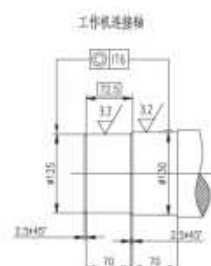
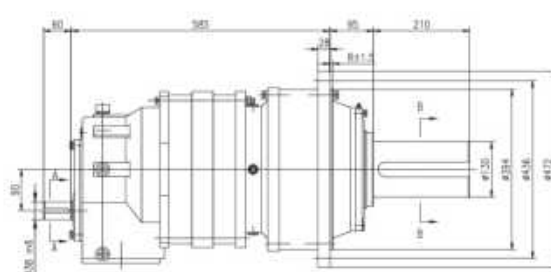
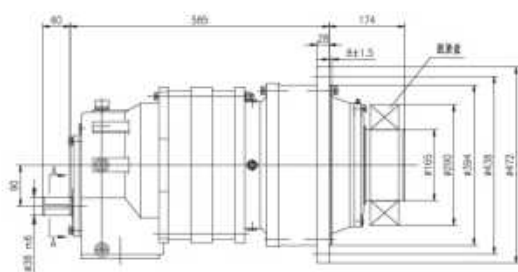
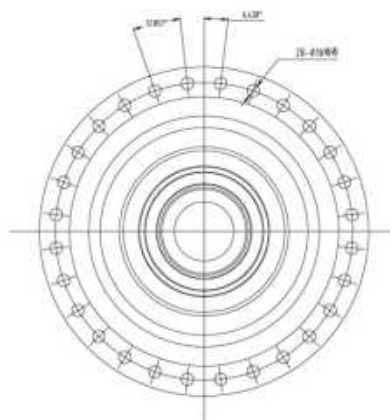
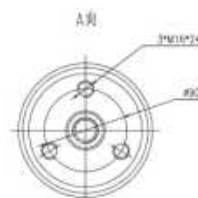
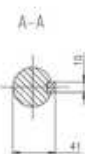
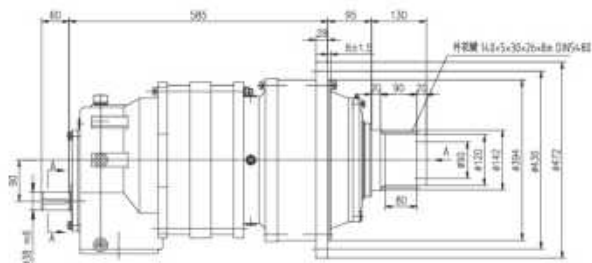
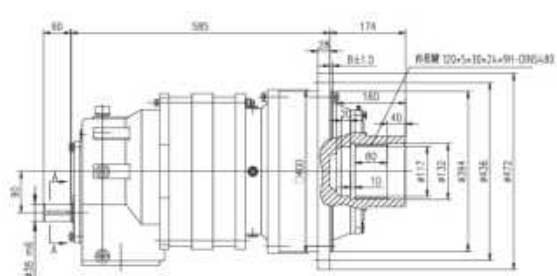
一级斜齿平行轴(S2)
Parallel-shaft input

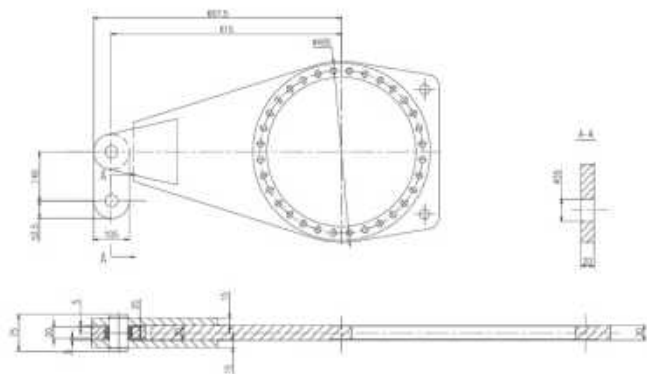
10



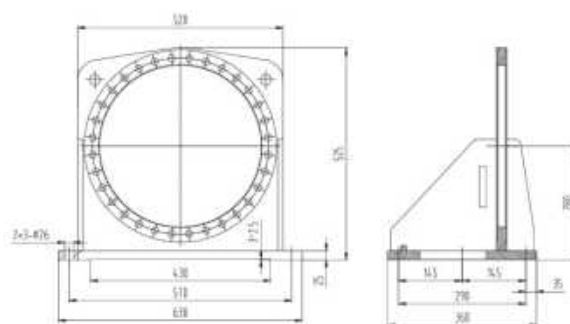
一级斜齿平行轴(S3)
Parallel-shaft input

10

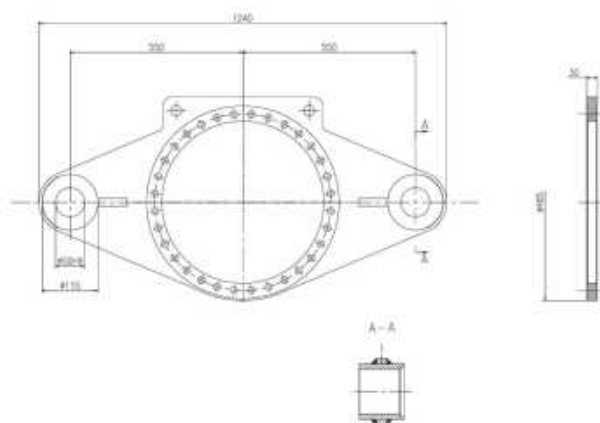




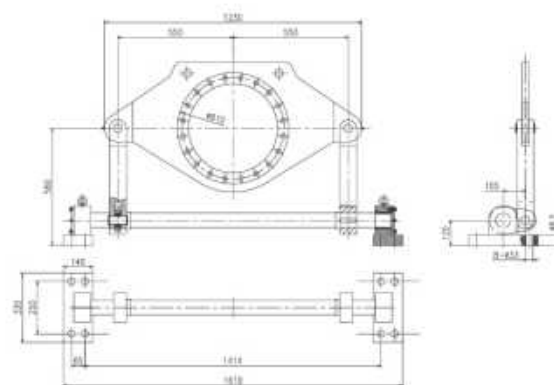
75-单侧扭矩支撑臂



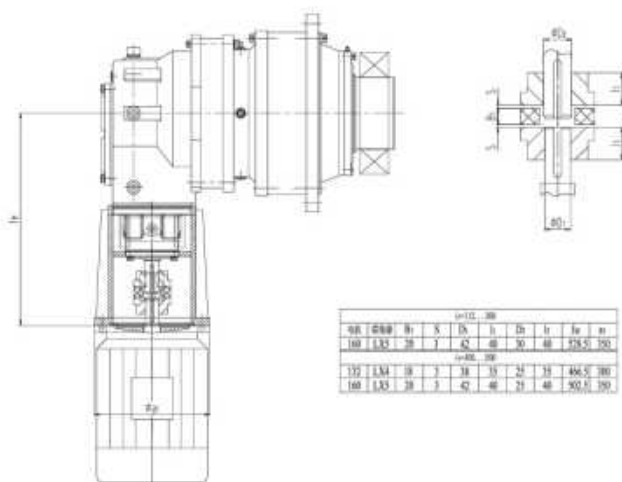
96-底座



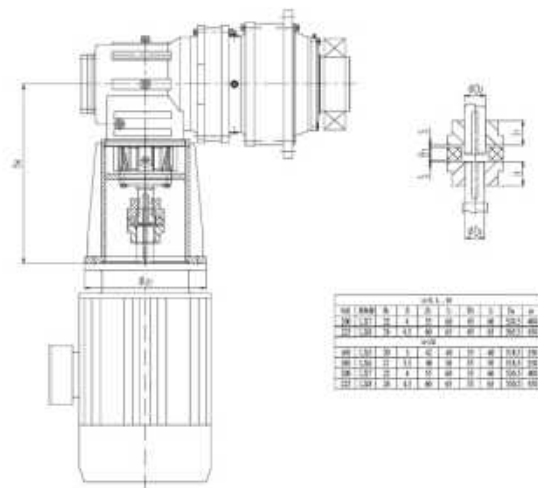
76-两侧扭矩支撑臂



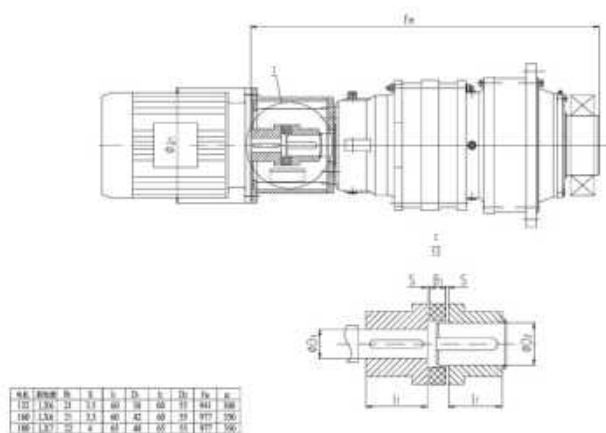
77-扭力轴支撑架



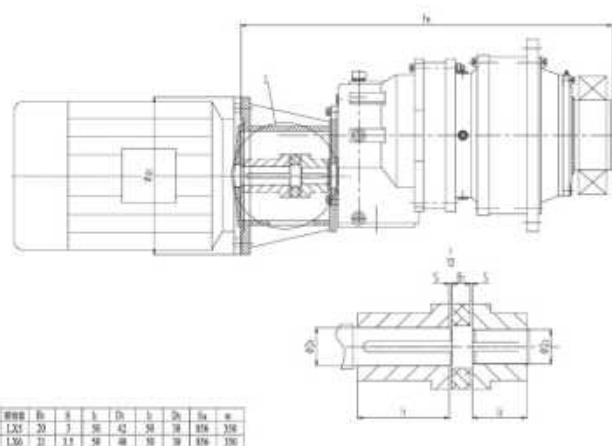
70-K2带电机



70-L2带电机



70-N3带电机



70-S2带电机

GTP11

42000 N·m

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW	
N2	1500	GTP11 N2	25	25.875	60.0	261	32	45	60
		GTP11 N2	28	28.233	54.0	235	32	45	60
		GTP11 N2	31.5	31.207	48.0	209	32	45	60
		GTP11 N2	35.5	35.072	42.0	183	32	45	60
		GTP11 N2	40	40.301	38.0	165	32	45	60
	1000	GTP11 N2	25	25.875	40.0	174	32	45	60
		GTP11 N2	28	28.233	36.0	157	32	45	60
		GTP11 N2	31.5	31.207	32.0	139	32	45	60
		GTP11 N2	35.5	35.072	28.0	122	32	45	60
		GTP11 N2	40	40.301	25.0	109	32	45	60
	750	GTP11 N2	25	25.875	30.0	131	32	45	60
		GTP11 N2	28	28.233	27.0	118	32	45	60
		GTP11 N2	31.5	31.207	24.0	104	32	45	60
		GTP11 N2	35.5	35.072	21.0	91	32	45	60
		GTP11 N2	40	40.301	19.0	83	32	45	60
N3	1500	GTP11 N3	140	147.17	10.7	47.3	22	31	42
		GTP11 N3	160	165.34	9.4	41.4	22	31	42
		GTP11 N3	180	189.99	8.3	36.8	22	31	42
		GTP11 N3	200	207.96	7.5	33.1	22	31	42
		GTP11 N3	225	230.82	6.7	29.4	22	31	42
		GTP11 N3	250	260.9	6.0	26.5	22	31	42
		GTP11 N3	280	302.26	5.4	23.7	22	31	42
	1000	GTP11 N3	140	147.17	7.1	31.5	22	31	42
		GTP11 N3	160	165.34	6.3	27.6	22	31	42
		GTP11 N3	180	189.99	5.6	24.5	22	31	42
		GTP11 N3	200	207.96	5.0	22.1	22	31	42
		GTP11 N3	225	230.82	4.4	19.6	22	31	42
		GTP11 N3	250	260.9	4.0	17.7	22	31	42
		GTP11 N3	280	302.26	3.6	15.8	22	31	42
	750	GTP11 N3	140	147.17	5.4	23.7	22	31	42
		GTP11 N3	160	165.34	4.7	20.7	22	31	42
		GTP11 N3	180	189.99	4.2	18.4	22	31	42
		GTP11 N3	200	207.96	3.8	16.6	22	31	42
		GTP11 N3	225	230.82	3.3	14.7	22	31	42
		GTP11 N3	250	260.9	3.0	13.2	22	31	42
		GTP11 N3	280	302.26	2.7	11.8	22	31	42
L2	1500	GTP11 L2	31.5	32.8413	47.6	212	22	31	42
		GTP11 L2	35.5	35.8344	42.3	188	22	31	42
		GTP11 L2	40	39.6083	37.5	167	22	31	42
		GTP11 L2	45	43.4178	33.3	148	22	31	42
		GTP11 L2	50	50.5248	30.0	133	22	31	42
		GTP11 L2	56	55.8432	26.8	119	22	31	42
		GTP11 L2	63	60.5774	23.8	106	22	31	42
		GTP11 L2	71	69.7558	21.1	94	22	31	42
		GTP11 L2	80	79.9667	18.8	83	22	31	42
		GTP11 L2	90	86.4181	16.7	74	22	31	42
	GTP11 L2	100	98.4206	15.0	67	22	31	42	
	1000	GTP11 L2	31.5	32.8413	31.7	141	22	31	42
		GTP11 L2	35.5	35.8344	28.2	125	22	31	42
		GTP11 L2	40	39.6083	25.0	111	22	31	42
GTP11 L2		45	43.4178	22.2	99	22	31	42	

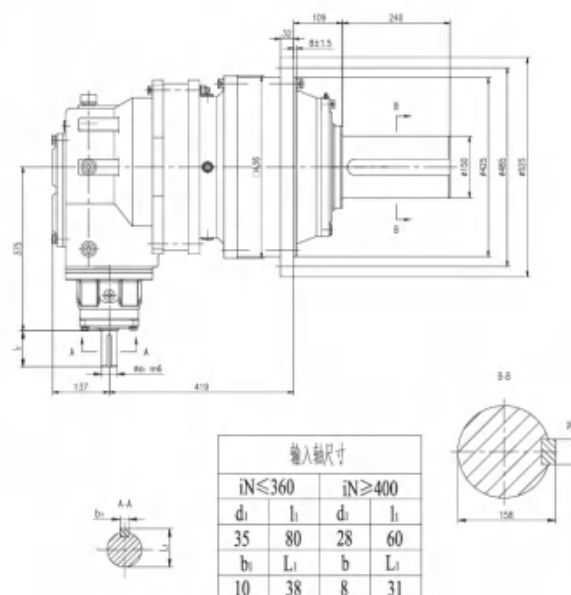
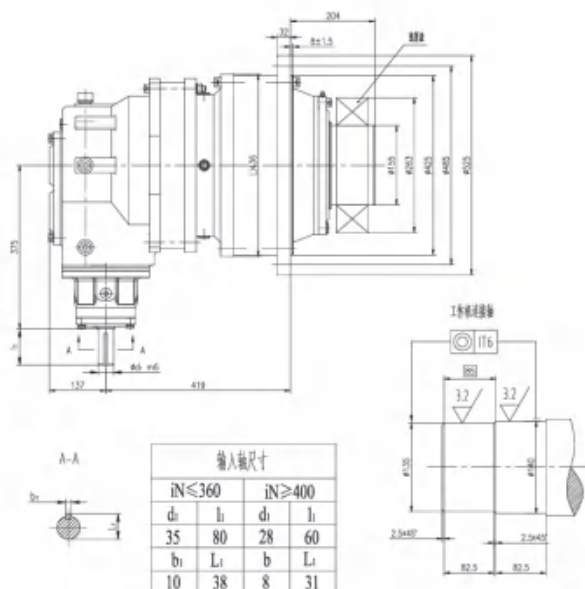
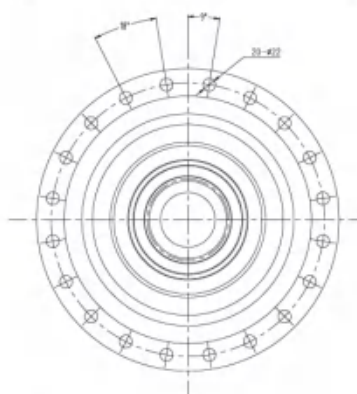
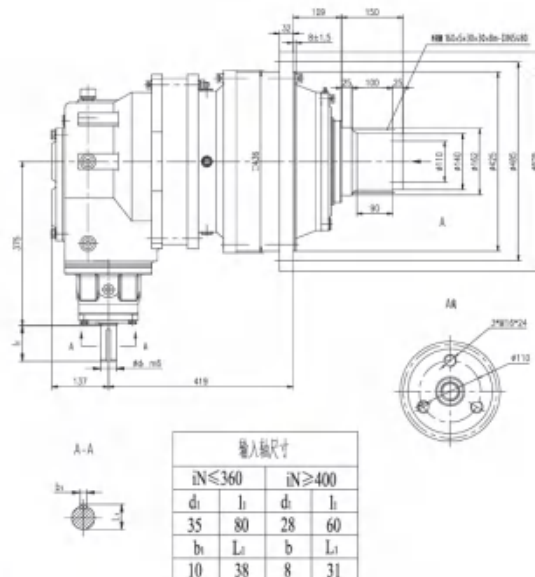
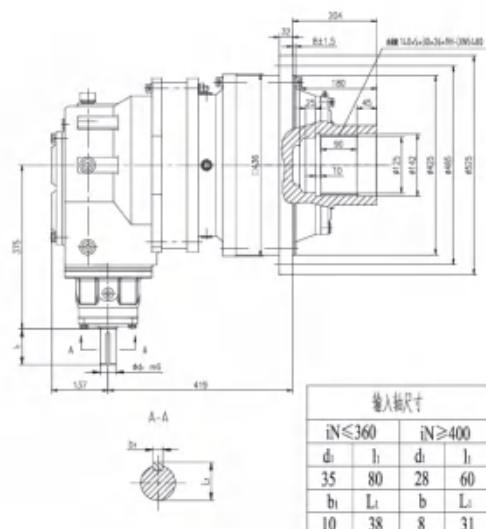
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{11} KW	P_{12} KW	P_{13} KW
750	GTP11 L2	80	79.9667	12.5	56	22	31	42
	GTP11 L2	90	86.4181	11.1	49	22	31	42
	GTP11 L2	100	98.4206	10.0	44	22	31	42
	GTP11 L2	31.5	32.8413	23.8	106	22	31	42
	GTP11 L2	35.5	35.8344	21.1	94	22	31	42
	GTP11 L2	40	39.6083	18.8	83	22	31	42
	GTP11 L2	45	43.4178	16.7	74	22	31	42
	GTP11 L2	50	50.5248	15.0	67	22	31	42
	GTP11 L2	56	55.8432	13.4	60	22	31	42
	GTP11 L2	63	60.5774	11.9	53	22	31	42
	GTP11 L2	71	69.7558	10.6	47	22	31	42
	GTP11 L2	80	79.9667	9.4	42	22	31	42
S2	GTP11 L2	90	86.4181	8.3	37	22	31	42
	GTP11 L2	100	98.4206	7.5	33	22	31	42
	GTP11 S2	45	43.209	33.3	147	24	34	45
	GTP11 S2	50	48.561	30.0	132	24	34	45
	GTP11 S2	56	55.802	26.8	118	24	34	45
	GTP11 S2	63	63.399	23.8	105	24	34	45
	GTP11 S2	71	72.853	21.1	93	24	34	45
	GTP11 S2	80	81.303	18.8	82	24	34	45
	GTP11 S2	90	93.426	16.7	73	24	34	45
	GTP11 S2	100	99.678	15.0	66	24	34	45
	GTP11 S2	112	114.54	13.4	59	24	34	45
	GTP11 S2	125	123.14	12.0	53	24	34	45
	GTP11 S2	45	43.209	22.2	98	24	34	45
	GTP11 S2	50	48.561	20.0	88	24	34	45
	GTP11 S2	56	55.802	17.9	79	24	34	45
	GTP11 S2	63	63.399	15.9	70	24	34	45
	GTP11 S2	71	72.853	14.1	62	24	34	45
	GTP11 S2	80	81.303	12.5	50	24	34	45
	GTP11 S2	90	93.426	11.1	49	24	34	45
	GTP11 S2	100	99.678	10.0	44	24	34	45
	GTP11 S2	112	114.54	8.9	39	24	34	45
	GTP11 S2	125	123.14	8.0	35	24	34	45
	GTP11 S2	45	43.209	16.7	73	24	34	45
	GTP11 S2	50	48.561	15.0	66	24	34	45
	GTP11 S2	56	55.802	13.4	59	24	34	45
	GTP11 S2	63	63.399	11.9	52	24	34	45
S3	GTP11 S2	71	72.853	10.6	46	24	34	45
	GTP11 S2	80	81.303	9.4	41	24	34	45
	GTP11 S2	90	93.426	8.3	37	24	34	45
	GTP11 S2	100	99.678	7.5	33	24	34	45
	GTP11 S2	112	114.54	6.7	29	24	34	45
	GTP11 S2	125	123.14	6.0	26	24	34	45
	GTP11 S2	280	295.82	5.4	24	18	26	35
	GTP11 S2	315	332.46	4.8	21	18	26	35
	GTP11 S2	355	382.03	4.2	19	18	26	35
	GTP11 S2	400	399.6	3.8	17	18	26	35
	GTP11 S2	450	459.18	3.3	15	18	26	35
	GTP11 S2	500	508.15	3.0	13.4	18	26	35
	GTP11 S2	560	583.92	2.7	12	18	26	35
	GTP11 S2	630	643.29	2.4	10.6	18	26	35
	GTP11 S2	710	739.21	2.1	9.4	18	26	35
	GTP11 S2	800	798.04	1.9	8.4	18	26	35
	GTP11 S2	900	924.56	1.7	7.4	18	26	35
	GTP11 S3	280	295.82	3.6	16	18	26	35
	GTP11 S3	315	332.46	3.2	14	18	26	35
	GTP11 S3	355	382.03	2.8	13	18	26	35

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{11} KW	P_{12} KW	P_{13} KW
750	GTP11 S3	400	399.6	2.5	11	18	26	35
	GTP11 S3	450	459.18	2.2	10	18	26	35
	GTP11 S3	500	508.15	2.0	8.9	18	26	35
	GTP11 S3	560	583.92	1.8	8	18	26	35
	GTP11 S3	630	643.29	1.6	7	18	26	35
	GTP11 S3	710	739.21	1.4	6.3	18	26	35
	GTP11 S3	800	798.04	1.3	5.6	18	26	35
	GTP11 S3	900	924.56	1.1	5	18	26	35
	GTP11 S3	280	295.82	2.7	12	18	26	35
	GTP11 S3	315	332.46	2.4	11	18	26	35
	GTP11 S3	355	382.03	2.1	9	18	26	35
	GTP11 S3	400	399.6	1.9	8	18	26	35
	GTP11 S3	450	459.18	1.7	7.4	18	26	35
	GTP11 S3	500	508.15	1.5	6.7	18	26	35
K2	GTP11 S3	560	583.92	1.3	6	18	26	35
	GTP11 S3	630	643.29	1.2	5.3	18	26	35
	GTP11 S3	710	739.21	1.1	4.7	18	26	35
	GTP11 S3	800	798.04	0.9	4.2	18	26	35
	GTP11 S3	900	924.56	0.8	3.7	18	26	35
	GTP11 K2	112	111.83	13.4	59	18	26	35
	GTP11 K2	125	125.68	12.0	52.9	18	26	35
	GTP11 K2	140	144.42	10.7	47.2	18	26	35
	GTP11 K2	160	155.27	9.4	41.3	18	26	35
	GTP11 K2	180	173.52	8.3	36.7	18	26	35
	GTP11 K2	200	200.92	7.5	33.1	18	26	35
	GTP11 K2	225	220.36	6.7	29.4	18	26	35
	GTP11 K2	250	239.04	6.0	26.4	18	26	35
	GTP11 K2	280	275.26	5.4	23.6	18	26	35
	GTP11 K2	320	312.6	4.7	20.7	18	26	35
	GTP11 K2	360	341.01	4.2	18.4	18	26	35
	GTP11 K2	400	388.38	3.8	16.5	18	26	35
	GTP11 K2	450	436.6	3.3	14.7	18	26	35
	GTP11 K2	500	481.38	3.0	13.2	18	26	35
	GTP11 K2	112	111.83	8.9	39.4	18	26	35
	GTP11 K2	125	125.68	8.0	35.3	18	26	35
	GTP11 K2	140	144.42	7.1	31.5	18	26	35
	GTP11 K2	160	155.27	6.3	27.5	18	26	35
	GTP11 K2	180	173.52	5.6	24.5	18	26	35
	GTP11 K2	200	200.92	5.0	22	18	26	35
	GTP11 K2	225	220.36	4.4	19.6	18	26	35
	GTP11 K2	250	239.04	4.0	17.6	18	26	35
	GTP11 K2	280	275.26	3.6	15.7	18	26	35
1000	GTP11 K2	320	312.6	3.1	13.8	18	26	35
	GTP11 K2	360	341.01	2.8	12.2	18	26	35
	GTP11 K2	400	388.38	2.5	11	18	26	35
	GTP11 K2	450	436.6	2.2	9.8	18	26	35
	GTP11 K2	500	481.38	2.0	8.8	18	26	35
	GTP11 K2	112	111.83	6.7	29.5	18	26	35
	GTP11 K2	125	125.68	6.0	26.4	18	26	35
	GTP11 K2	140	144.42	5.4	23.6	18	26	35
	GTP11 K2	160	155.27	4.7	20.7	18	26	35
	GTP11 K2	180	173.52	4.2	18.4	18	26	35
	GTP11 K2	200	200.92	3.8	16.5	18	26	35
	GTP11 K2	225	220.36	3.3	14.7	18	26	35
	GTP11 K2	250	239.04	3.0	13.2	18	26	35
	GTP11 K2	280	275.26	2.7	11.8	18	26	35
750	GTP11 K2	320	312.6	2.3	10.3	18	26	35
	GTP11 K2	360	341.01	2.1	9.2	18	26	35

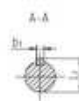
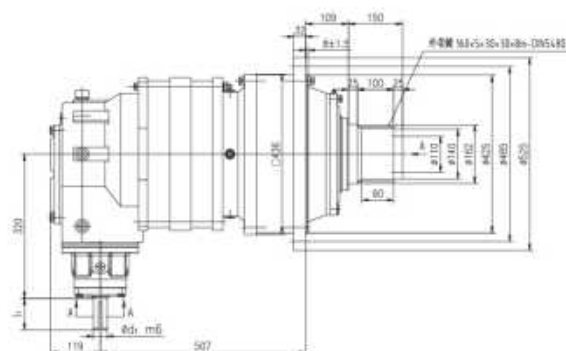
n ₁		机型	i _n	i	n ₂	P _n	P _{t1}	P _{t2}	P _{t3}
r/min					r/min	KW	KW	KW	KW
K3	1500	GTP11 K2	400	388.38	1.9	8.3	18	26	35
		GTP11 K2	450	436.6	1.7	7.3	18	26	35
		GTP11 K2	500	481.38	1.5	6.6	18	26	35
	GTP11 K3	560	567.4	2.68	12	15	21	28	
	GTP11 K3	630	637.68	2.38	11	15	21	28	
	GTP11 K3	710	697.96	2.11	9	15	21	28	
	GTP11 K3	800	774.7	1.88	8	15	21	28	
	GTP11 K3	900	875.66	1.67	7.5	15	21	28	
	GTP11 K3	1000	978.6	1.50	6.7	15	21	28	
	GTP11 K3	1120	1133.1	1.34	6	15	21	28	
	GTP11 K3	1250	1242.8	1.20	5.4	15	21	28	
	GTP11 K3	1400	1348.1	1.07	4.8	15	21	28	
	GTP11 K3	1600	1552.4	0.94	4.2	15	21	28	
	GTP11 K3	1800	1762.9	0.83	3.7	15	21	28	
	GTP11 K3	2000	1923.2	0.75	3.4	15	21	28	
	GTP11 K3	2240	2190.3	0.67	3	15	21	28	
	GTP11 K3	2500	2462.3	0.60	2.7	15	21	28	
	GTP11 K3	2800	2714.8	0.54	2.4	15	21	28	
	GTP11 K3	3150	3093.6	0.48	2.1	15	21	28	
	GTP11 K3	3550	3584.1	0.42	1.9	15	21	28	
	GTP11 K3	4000	4118.5	0.38	1.7	15	21	28	
	1000	GTP11 K3	560	567.4	1.79	8	15	21	28
		GTP11 K3	630	637.68	1.59	7	15	21	28
		GTP11 K3	710	697.96	1.41	6	15	21	28
		GTP11 K3	800	774.7	1.25	6	15	21	28
		GTP11 K3	900	875.66	1.11	5	15	21	28
		GTP11 K3	1000	978.6	1.00	4.5	15	21	28
		GTP11 K3	1120	1133.1	0.89	4	15	21	28
		GTP11 K3	1250	1242.8	0.80	3.6	15	21	28
		GTP11 K3	1400	1348.1	0.71	3.2	15	21	28
		GTP11 K3	1600	1552.4	0.63	2.8	15	21	28
		GTP11 K3	1800	1762.9	0.56	2.5	15	21	28
GTP11 K3		2000	1923.2	0.50	2.2	15	21	28	
GTP11 K3		2240	2190.3	0.45	2	15	21	28	
GTP11 K3		2500	2462.3	0.40	1.8	15	21	28	
GTP11 K3		2800	2714.8	0.36	1.6	15	21	28	
GTP11 K3		3150	3093.6	0.32	1.4	15	21	28	
750	GTP11 K3	3550	3584.1	0.28	1.3	15	21	28	
	GTP11 K3	4000	4118.5	0.25	1.1	15	21	28	
	GTP11 K3	560	567.4	1.34	6	15	21	28	
	GTP11 K3	630	637.68	1.19	5	15	21	28	
	GTP11 K3	710	697.96	1.06	5	15	21	28	
	GTP11 K3	800	774.7	0.94	4	15	21	28	
	GTP11 K3	900	875.66	0.83	3.7	15	21	28	
	GTP11 K3	1000	978.6	0.75	3.4	15	21	28	
	GTP11 K3	1120	1133.1	0.67	3	15	21	28	
	GTP11 K3	1250	1242.8	0.60	2.7	15	21	28	
	GTP11 K3	1400	1348.1	0.54	2.4	15	21	28	
	GTP11 K3	1600	1552.4	0.47	2.1	15	21	28	
	GTP11 K3	1800	1762.9	0.42	1.9	15	21	28	
	GTP11 K3	2000	1923.2	0.38	1.7	15	21	28	
	GTP11 K3	2240	2190.3	0.33	1.5	15	21	28	
	GTP11 K3	2500	2462.3	0.30	1.3	15	21	28	
GTP11 K3	2800	2714.8	0.27	1.2	15	21	28		
GTP11 K3	3150	3093.6	0.24	1.1	15	21	28		
GTP11 K3	3550	3584.1	0.21	0.9	15	21	28		
GTP11 K3	4000	4118.5	0.19	0.8	15	21	28		

一级锥齿+二级斜齿直角轴(K2)
Right angle input+Parallel-shaft

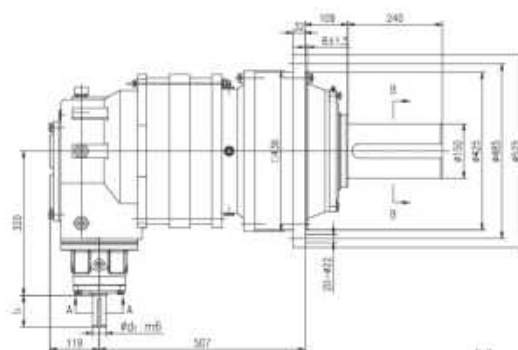
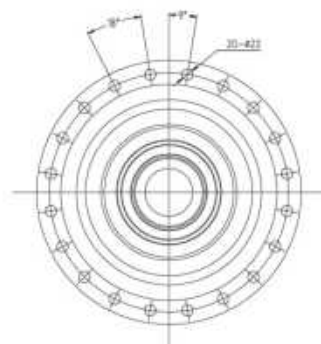
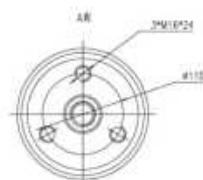
11



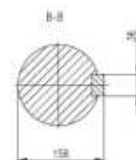
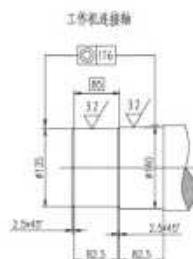
11



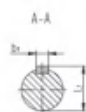
$iN \leq 2000$		$iN \geq 2240$	
d_1	l_1	d_1	l_1
30	70	25	60
b	L_1	b	L_1
8	33	8	28



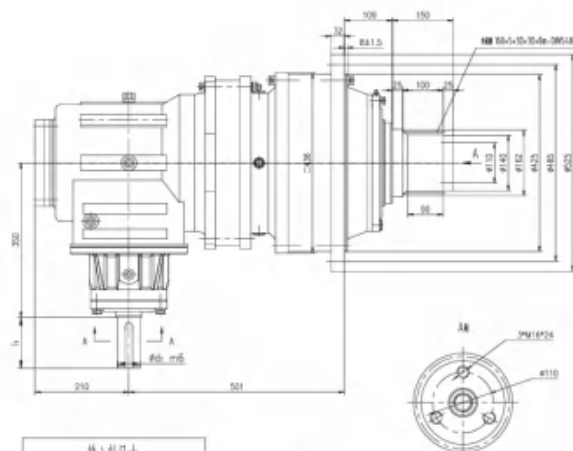
$iN \leq 2000$		$iN \geq 2240$	
d_1	l_1	d_1	l_1
30	70	25	60
b_1	L_1	b	L_1
8	33	8	28



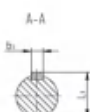
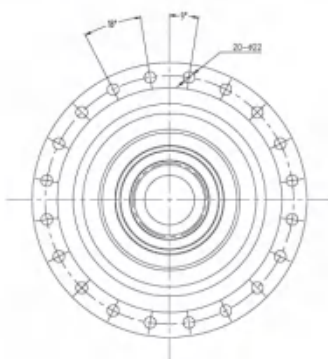
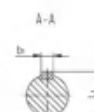
11



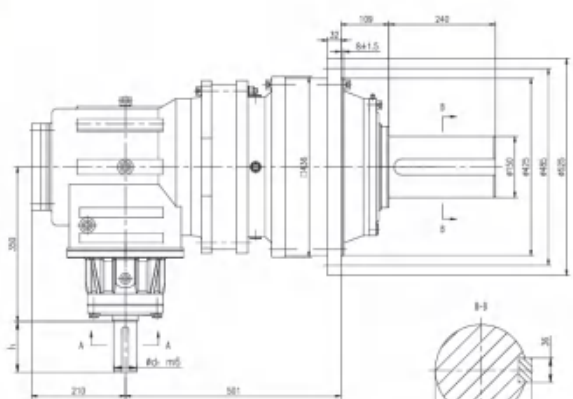
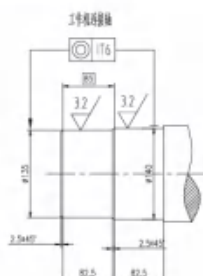
输入轴尺寸			
$iN \leq 90$		$iN \geq 100$	
d_1	l_1	d_1	l_1
55	110	40	100
b_1	L_1	b	L_2
16	59	12	43



输入轴尺寸			
$iN \leq 90$		$iN \geq 100$	
d_1	l_1	d_1	l_1
55	110	40	100
b_1	L_1	b	L_1
16	59	12	43



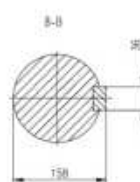
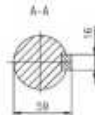
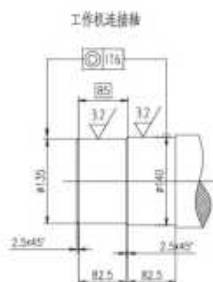
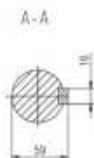
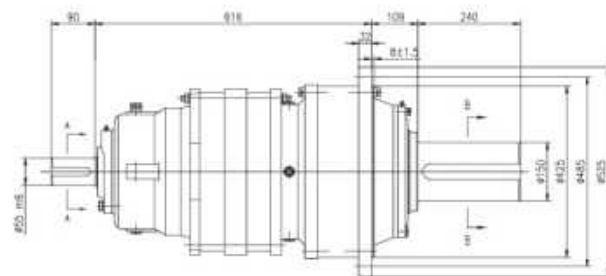
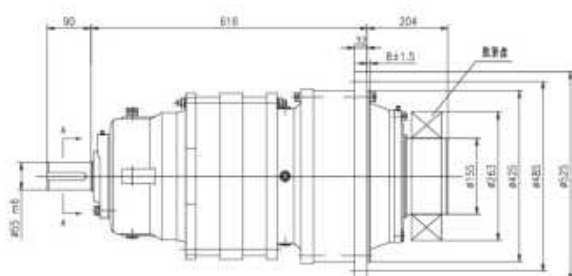
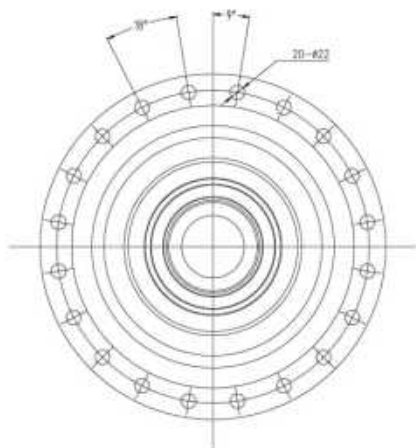
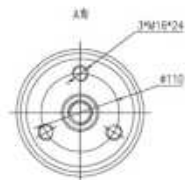
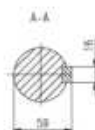
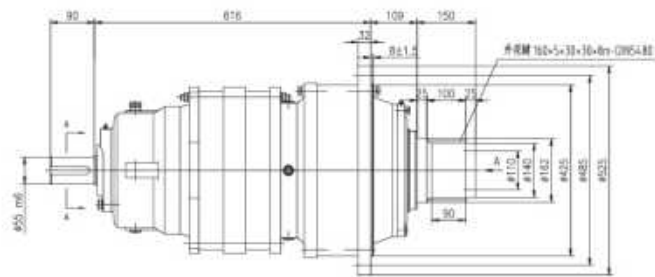
输入尺寸			
$i \leq 90$		$i \geq 100$	
d_i	l_i	d_i	l_i
55	110	40	100
b_i	L_i	b	L
16	59	12	43



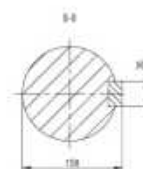
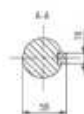
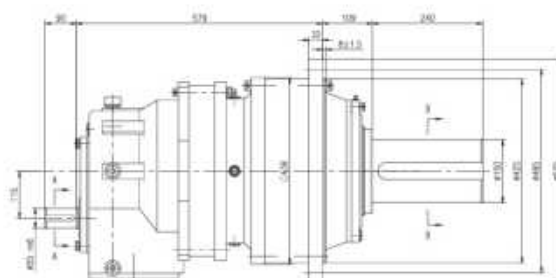
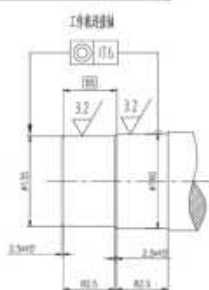
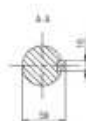
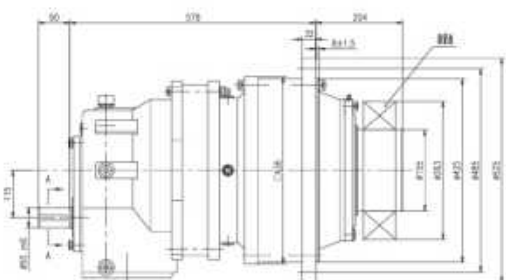
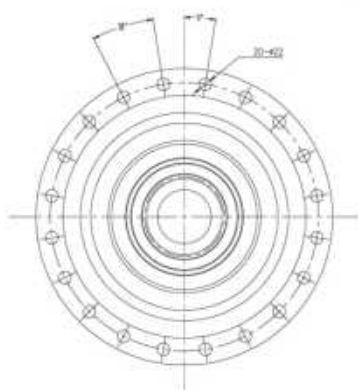
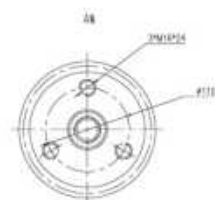
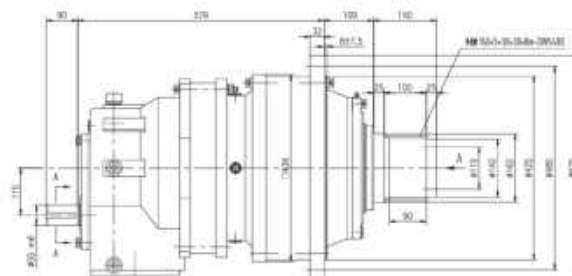
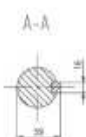
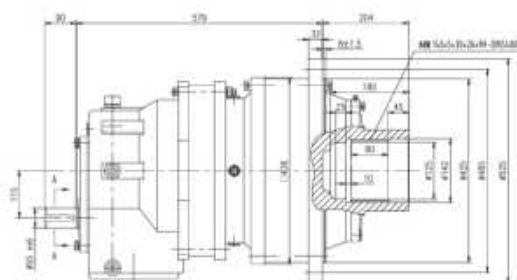
输入端尺寸			
$iN \leq 90$		$iN \geq 100$	
d_1	l_1	d_1	l_1
55	110	40	100
b_1	L_1	b	L_1
16	59	12	43

In line

11

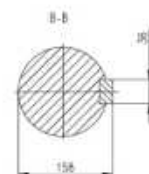
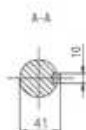
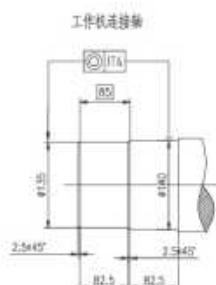
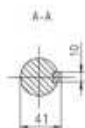
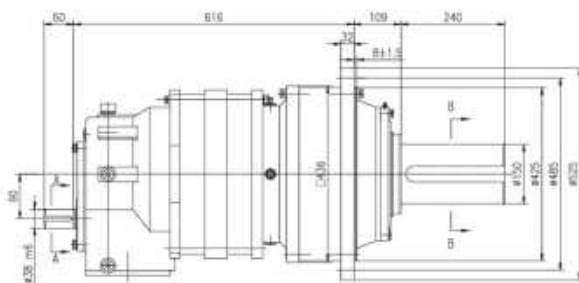
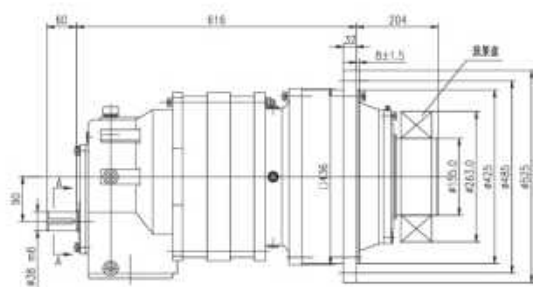
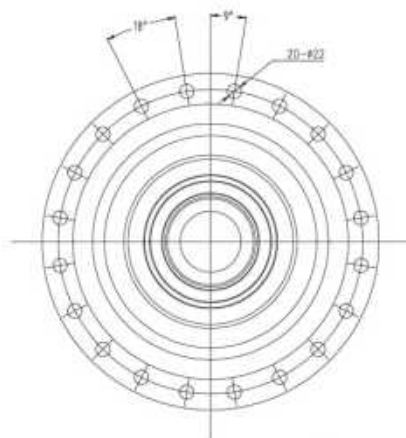
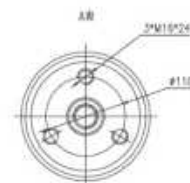
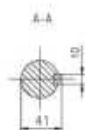
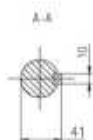
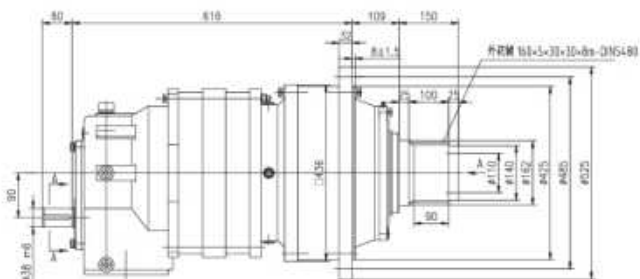
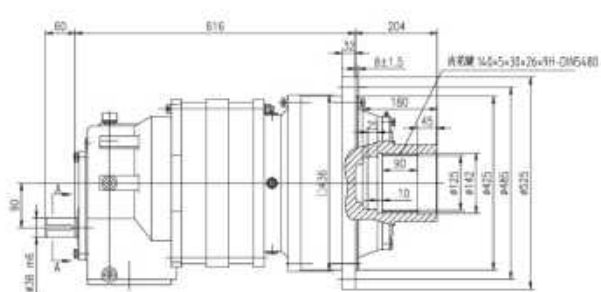


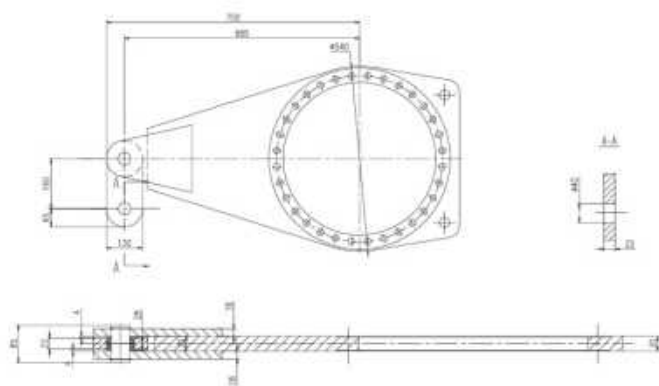
一级斜齿平行轴(S2)
Parallel-shaft input



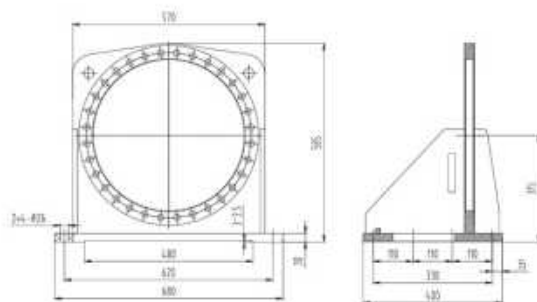
一级斜齿平行轴(S3)
Parallel-shaft input

11

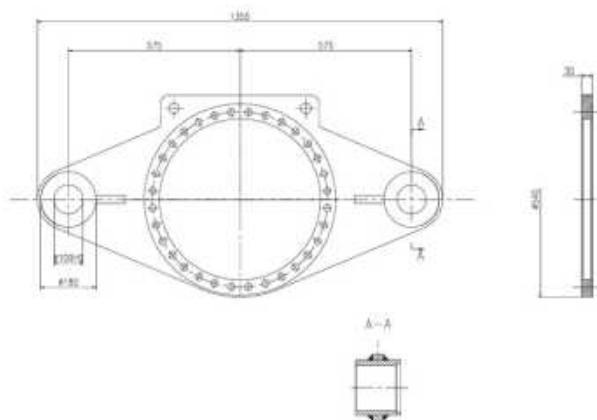




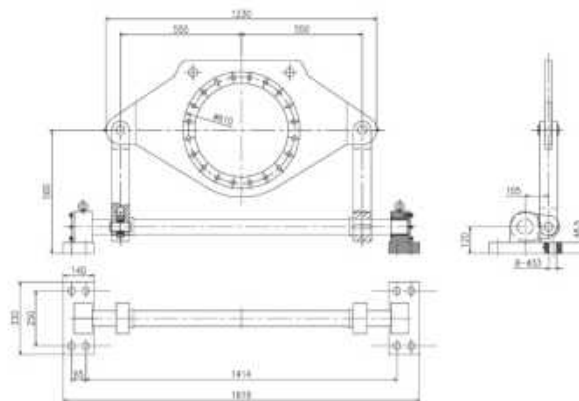
75-单侧扭矩支撑臂



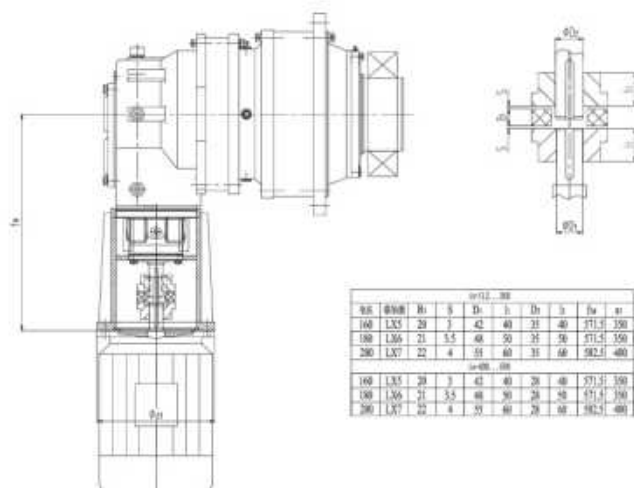
96-底座



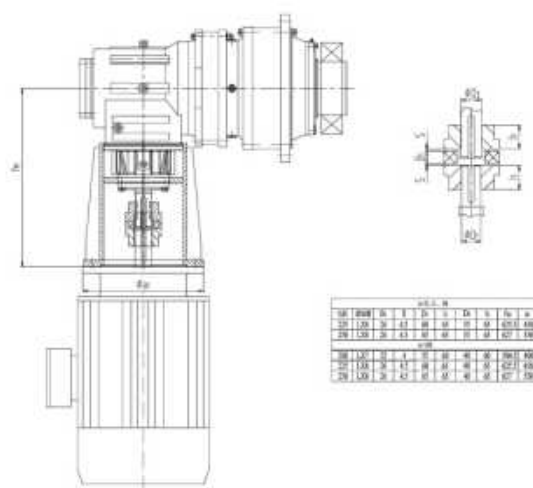
76-两侧扭矩支撑臂



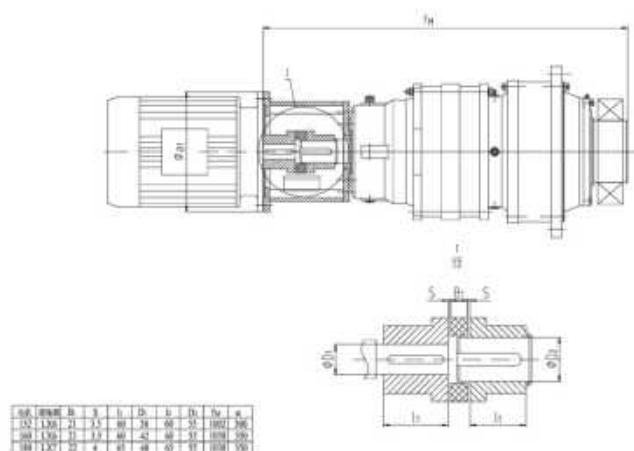
77-扭力轴支撑架



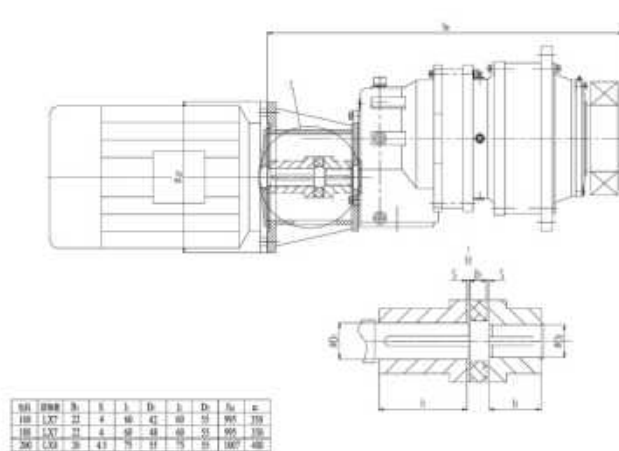
70-K2带电机



70-L2带电机



70-N3带电机



70-S2带电机

GTP12				60000 N·m						
n ₁ r/min	机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW		
N2	1500	GTP12 N2	25	24.983	60.0	373	42	60	80	
		GTP12 N2	28	27.26	54.0	336	42	60	80	
		GTP12 N2	31.5	30.13	48.0	298	42	60	80	
		GTP12 N2	35.5	33.863	42.0	261	42	60	80	
		GTP12 N2	40	38.912	38.0	236	42	60	80	
	1000	GTP12 N2	25	24.983	40.0	249	42	60	80	
		GTP12 N2	28	27.26	36.0	224	42	60	80	
		GTP12 N2	31.5	30.13	32.0	199	42	60	80	
		GTP12 N2	35.5	33.863	28.0	174	42	60	80	
		GTP12 N2	40	38.912	25.0	155	42	60	80	
	750	GTP12 N2	25	24.983	30.0	187	42	60	80	
		GTP12 N2	28	27.26	27.0	168	42	60	80	
		GTP12 N2	31.5	30.13	24.0	149	42	60	80	
		GTP12 N2	35.5	33.863	21.0	131	42	60	80	
		GTP12 N2	40	38.912	19.0	118	42	60	80	
	N3	1500	GTP12 N3	140	142.04	10.7	68	29	41	56
			GTP12 N3	160	159.64	9.4	59	29	41	56
			GTP12 N3	180	183.44	8.3	53	29	41	56
			GTP12 N3	200	200.79	7.5	47	29	41	56
			GTP12 N3	225	222.86	6.7	42	29	41	56
GTP12 N3			250	251.9	6.0	38	29	41	56	
GTP12 N3			280	291.84	5.4	34	29	41	56	
1000			GTP12 N3	140	142.04	7.1	45	29	41	56
		GTP12 N3	160	159.64	6.3	39	29	41	56	
		GTP12 N3	180	183.44	5.6	35	29	41	56	
		GTP12 N3	200	200.79	5.0	32	29	41	56	
		GTP12 N3	225	222.86	4.4	28	29	41	56	
		GTP12 N3	250	251.9	4.0	25	29	41	56	
		GTP12 N3	280	291.84	3.6	23	29	41	56	
		750	GTP12 N3	140	142.04	5.4	34	29	41	56
GTP12 N3			160	159.64	4.7	30	29	41	56	
GTP12 N3			180	183.44	4.2	26	29	41	56	
GTP12 N3			200	200.79	3.8	24	29	41	56	
GTP12 N3			225	222.86	3.3	21	29	41	56	
GTP12 N3			250	251.9	3.0	19	29	41	56	
GTP12 N3			280	291.84	2.7	17	29	41	56	
L2			1500	GTP12 L2	31.5	31.7089	47.6	302	29	41
		GTP12 L2		35.5	34.5987	42.3	268	29	41	56
		GTP12 L2		40	38.2425	37.5	238	29	41	56
		GTP12 L2		45	41.9206	33.3	212	29	41	56
		GTP12 L2		50	48.7826	30.0	191	29	41	56
		GTP12 L2		56	53.9176	26.8	170	29	41	56
		GTP12 L2		63	58.4885	23.8	151	29	41	56
	GTP12 L2	71		67.3504	21.1	134	29	41	56	
	GTP12 L2	80		77.2092	18.8	119	29	41	56	
	GTP12 L2	90		83.4381	16.7	106	29	41	56	
	GTP12 L2	100		95.0268	15.0	95	29	41	56	
	1000	GTP12 L2		31.5	31.7089	31.7	202	29	41	56
		GTP12 L2	35.5	34.5987	28.2	179	29	41	56	
		GTP12 L2	40	38.2425	25.0	159	29	41	56	
		GTP12 L2	45	41.9206	22.2	141	29	41	56	
		GTP12 L2	50	48.7826	20.0	127	29	41	56	
		GTP12 L2	56	53.9176	17.9	113	29	41	56	
		GTP12 L2	63	58.4885	15.9	101	29	41	56	
		GTP12 L2	71	67.3504	14.1	89	29	41	56	

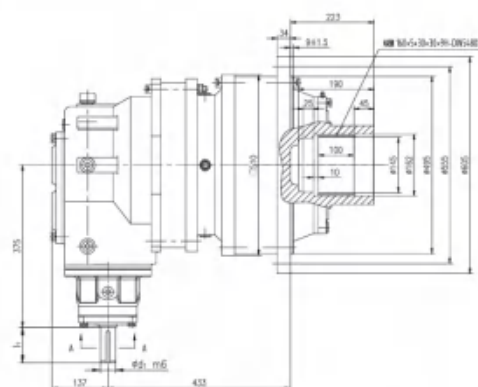
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW
750	GTP12 L2	80	77.2092	12.5	79	29	41	56
	GTP12 L2	90	83.4381	11.1	71	29	41	56
	GTP12 L2	100	95.0268	10.0	64	29	41	56
	GTP12 L2	31.5	31.7089	23.8	151	29	41	56
	GTP12 L2	35.5	34.5987	21.1	134	29	41	56
	GTP12 L2	40	38.2425	18.8	119	29	41	56
	GTP12 L2	45	41.9206	16.7	106	29	41	56
	GTP12 L2	50	48.7826	15.0	95	29	41	56
	GTP12 L2	56	53.9176	13.4	85	29	41	56
	GTP12 L2	63	58.4885	11.9	76	29	41	56
	GTP12 L2	71	67.3504	10.6	67	29	41	56
	GTP12 L2	80	77.2092	9.4	60	29	41	56
S2 1500	GTP12 L2	90	83.4381	8.3	53	29	41	56
	GTP12 L2	100	95.0268	7.5	48	29	41	56
	GTP12 S2	45	41.719	33.3	209	32	45	60
	GTP12 S2	50	46.887	30.0	188	32	45	60
	GTP12 S2	56	53.878	26.8	168	32	45	60
	GTP12 S2	63	61.213	23.8	150	32	45	60
	GTP12 S2	71	70.34	21.1	133	32	45	60
	GTP12 S2	80	78.499	18.8	118	32	45	60
	GTP12 S2	90	90.205	16.7	105	32	45	60
	GTP12 S2	100	96.241	15.0	94	32	45	60
	GTP12 S2	112	110.59	13.4	84	32	45	60
	GTP12 S2	125	118.9	12.0	75	32	45	60
1000	GTP12 S2	45	41.719	22.2	140	32	45	60
	GTP12 S2	50	46.887	20.0	126	32	45	60
	GTP12 S2	56	53.878	17.9	112	32	45	60
	GTP12 S2	63	61.213	15.9	100	32	45	60
	GTP12 S2	71	70.34	14.1	88	32	45	60
	GTP12 S2	80	78.499	12.5	79	32	45	60
	GTP12 S2	90	90.205	11.1	70	32	45	60
	GTP12 S2	100	96.241	10.0	63	32	45	60
	GTP12 S2	112	110.59	8.9	56	32	45	60
	GTP12 S2	125	118.9	8.0	50	32	45	60
750	GTP12 S2	45	41.719	16.7	105	32	45	60
	GTP12 S2	50	46.887	15.0	94	32	45	60
	GTP12 S2	56	53.878	13.4	84	32	45	60
	GTP12 S2	63	61.213	11.9	75	32	45	60
	GTP12 S2	71	70.34	10.6	66	32	45	60
	GTP12 S2	80	78.499	9.4	59	32	45	60
	GTP12 S2	90	90.205	8.3	52	32	45	60
	GTP12 S2	100	96.241	7.5	47	32	45	60
	GTP12 S2	112	110.59	6.7	42	32	45	60
	GTP12 S2	125	118.9	6.0	38	32	45	60
S3 1500	GTP12 S3	280	285.62	5.4	34	24	34	46
	GTP12 S3	315	320.99	4.8	30	24	34	46
	GTP12 S3	355	368.86	4.2	27	24	34	46
	GTP12 S3	400	385.82	3.8	24	24	34	46
	GTP12 S3	450	443.35	3.3	21	24	34	46
	GTP12 S3	500	490.62	3.0	19	24	34	46
	GTP12 S3	560	563.78	2.7	17	24	34	46
	GTP12 S3	630	621.11	2.4	15	24	34	46
	GTP12 S3	710	713.72	2.1	13	24	34	46
	GTP12 S3	800	770.53	1.9	12	24	34	46
	GTP12 S3	900	892.68	1.7	11	24	34	46
1000	GTP12 S3	280	285.62	3.6	23	24	34	46
	GTP12 S3	315	320.99	3.2	20	24	34	46
	GTP12 S3	355	368.86	2.8	18	24	34	46

n ₁		机型	i _n	i	n ₂	P _n	P _{t1}	P _{t2}	P _{t3}
r/min					r/min	KW	KW	KW	KW
750		GTP12 S3	400	385.82	2.5	16	24	34	46
		GTP12 S3	450	443.35	2.2	14	24	34	46
		GTP12 S3	500	490.62	2.0	13	24	34	46
		GTP12 S3	560	563.78	1.8	11	24	34	46
		GTP12 S3	630	621.11	1.6	10	24	34	46
		GTP12 S3	710	713.72	1.4	9	24	34	46
		GTP12 S3	800	770.53	1.3	8	24	34	46
		GTP12 S3	900	892.68	1.1	7	24	34	46
		GTP12 S3	280	285.62	2.7	17	24	34	46
		GTP12 S3	315	320.99	2.4	15	24	34	46
		GTP12 S3	355	368.86	2.1	13	24	34	46
		GTP12 S3	400	385.82	1.9	12	24	34	46
		GTP12 S3	450	443.35	1.7	11	24	34	46
		GTP12 S3	500	490.62	1.5	10	24	34	46
		GTP12 S3	560	563.78	1.3	9	24	34	46
		GTP12 S3	630	621.11	1.2	8	24	34	46
		GTP12 S3	710	713.72	1.1	7	24	34	46
		GTP12 S3	800	770.53	0.9	6	24	34	46
		GTP12 S3	900	892.68	0.8	5	24	34	46
K2	1500	GTP12 K2	112	107.97	13.4	84	24	35	47
		GTP12 K2	125	121.35	12.0	76	24	35	47
		GTP12 K2	140	139.44	10.7	67	24	35	47
		GTP12 K2	160	149.91	9.4	59	24	35	47
		GTP12 K2	180	167.54	8.3	52	24	35	47
		GTP12 K2	200	193.99	7.5	47	24	35	47
		GTP12 K2	225	212.76	6.7	42	24	35	47
		GTP12 K2	250	230.8	6.0	38	24	35	47
		GTP12 K2	280	265.77	5.4	34	24	35	47
		GTP12 K2	320	301.82	4.7	30	24	35	47
		GTP12 K2	360	329.25	4.2	26	24	35	47
		GTP12 K2	400	374.98	3.8	24	24	35	47
		GTP12 K2	450	421.54	3.3	21	24	35	47
		GTP12 K2	500	464.78	3.0	19	24	35	47
	1000	GTP12 K2	112	107.97	8.9	56	24	35	47
		GTP12 K2	125	121.35	8.0	50	24	35	47
		GTP12 K2	140	139.44	7.1	45	24	35	47
		GTP12 K2	160	149.91	6.3	39	24	35	47
		GTP12 K2	180	167.54	5.6	35	24	35	47
		GTP12 K2	200	193.99	5.0	31	24	35	47
		GTP12 K2	225	212.76	4.4	28	24	35	47
		GTP12 K2	250	230.8	4.0	25	24	35	47
		GTP12 K2	280	265.77	3.6	22	24	35	47
		GTP12 K2	320	301.82	3.1	20	24	35	47
		GTP12 K2	360	329.25	2.8	17	24	35	47
		GTP12 K2	400	374.98	2.5	16	24	35	47
		GTP12 K2	450	421.54	2.2	14	24	35	47
		GTP12 K2	500	464.78	2.0	13	24	35	47
	750	GTP12 K2	112	107.97	6.7	42	24	35	47
		GTP12 K2	125	121.35	6.0	38	24	35	47
		GTP12 K2	140	139.44	5.4	34	24	35	47
		GTP12 K2	160	149.91	4.7	30	24	35	47
		GTP12 K2	180	167.54	4.2	26	24	35	47
		GTP12 K2	200	193.99	3.8	24	24	35	47
		GTP12 K2	225	212.76	3.3	21	24	35	47
		GTP12 K2	250	230.8	3.0	19	24	35	47
		GTP12 K2	280	265.77	2.7	17	24	35	47
		GTP12 K2	320	301.82	2.3	15	24	35	47
		GTP12 K2	360	329.25	2.1	13	24	35	47

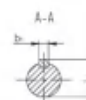
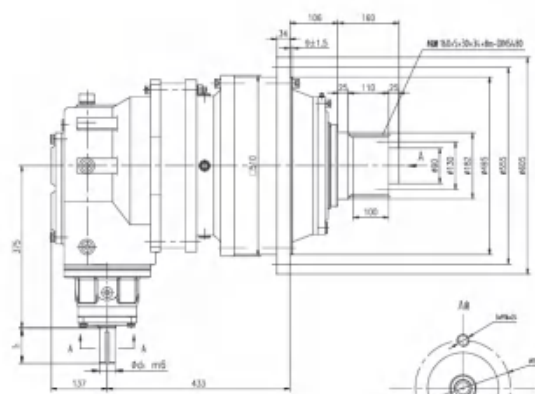
n ₁		机型	i _n	i	n ₂	P _n	P _{t1}	P _{t2}	P _{t3}
r/min					r/min	KW	KW	KW	KW
K3	1500	GTP12 K2	400	374.98	1.9	12	24	35	47
		GTP12 K2	450	421.54	1.7	10	24	35	47
		GTP12 K2	500	464.78	1.5	9	24	35	47
	GTP12 K3	560	547.83	2.68	17	20	28	38	
	GTP12 K3	630	615.69	2.38	15	20	28	38	
	GTP12 K3	710	673.9	2.11	14	20	28	38	
	GTP12 K3	800	747.98	1.88	12	20	28	38	
	GTP12 K3	900	845.46	1.67	11	20	28	38	
	GTP12 K3	1000	944.85	1.50	10	20	28	38	
	GTP12 K3	1120	1094	1.34	9	20	28	38	
	GTP12 K3	1250	1199.9	1.20	8	20	28	38	
	GTP12 K3	1400	1301.6	1.07	7	20	28	38	
	GTP12 K3	1600	1498.9	0.94	6	20	28	38	
	GTP12 K3	1800	1702.1	0.83	5	20	28	38	
	GTP12 K3	2000	1856.9	0.75	4.8	20	28	38	
	GTP12 K3	2240	2114.8	0.67	4.3	20	28	38	
	GTP12 K3	2500	2377.4	0.60	3.8	20	28	38	
	GTP12 K3	2800	2621.2	0.54	3.4	20	28	38	
	GTP12 K3	3150	2986.9	0.48	3	20	28	38	
	GTP12 K3	3550	3460.5	0.42	2.7	20	28	38	
	GTP12 K3	4000	3976.5	0.38	2.4	20	28	38	
	1000	GTP12 K3	560	547.83	1.79	11	20	28	38
		GTP12 K3	630	615.69	1.59	10	20	28	38
		GTP12 K3	710	673.9	1.41	9	20	28	38
		GTP12 K3	800	747.98	1.25	8	20	28	38
		GTP12 K3	900	845.46	1.11	7	20	28	38
		GTP12 K3	1000	944.85	1.00	6	20	28	38
		GTP12 K3	1120	1094	0.89	6	20	28	38
		GTP12 K3	1250	1199.9	0.80	5	20	28	38
		GTP12 K3	1400	1301.6	0.71	5	20	28	38
		GTP12 K3	1600	1498.9	0.63	4	20	28	38
		GTP12 K3	1800	1702.1	0.56	4	20	28	38
		GTP12 K3	2000	1856.9	0.50	3.2	20	28	38
		GTP12 K3	2240	2114.8	0.45	2.9	20	28	38
GTP12 K3		2500	2377.4	0.40	2.6	20	28	38	
GTP12 K3		2800	2621.2	0.36	2.3	20	28	38	
GTP12 K3		3150	2986.9	0.32	2	20	28	38	
GTP12 K3		3550	3460.5	0.28	1.8	20	28	38	
GTP12 K3		4000	3976.5	0.25	1.6	20	28	38	
750		GTP12 K3	560	547.83	1.34	9	20	28	38
		GTP12 K3	630	615.69	1.19	8	20	28	38
	GTP12 K3	710	673.9	1.06	7	20	28	38	
	GTP12 K3	800	747.98	0.94	6	20	28	38	
	GTP12 K3	900	845.46	0.83	5	20	28	38	
	GTP12 K3	1000	944.85	0.75	5	20	28	38	
	GTP12 K3	1120	1094	0.67	4.5	20	28	38	
	GTP12 K3	1250	1199.9	0.60	4	20	28	38	
	GTP12 K3	1400	1301.6	0.54	3.5	20	28	38	
	GTP12 K3	1600	1498.9	0.47	3	20	28	38	
	GTP12 K3	1800	1702.1	0.42	2.7	20	28	38	
	GTP12 K3	2000	1856.9	0.38	2.4	20	28	38	
	GTP12 K3	2240	2114.8	0.33	2.1	20	28	38	
	GTP12 K3	2500	2377.4	0.30	1.9	20	28	38	
	GTP12 K3	2800	2621.2	0.27	1.7	20	28	38	
	GTP12 K3	3150	2986.9	0.24	1.5	20	28	38	
	GTP12 K3	3550	3460.5	0.21	1.4	20	28	38	
	GTP12 K3	4000	3976.5	0.19	1.2	20	28	38	

一级锥齿+二级斜齿直角轴(K2)
Right angle input+Parallel-shaft

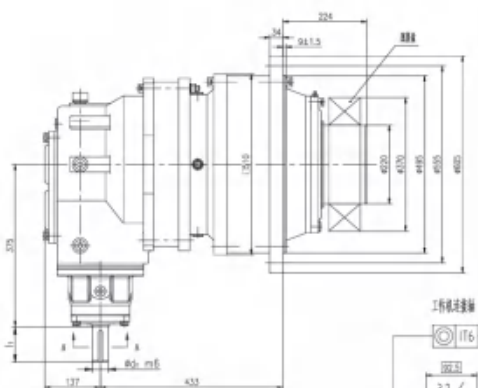
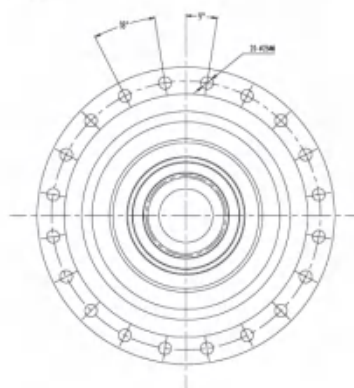
12



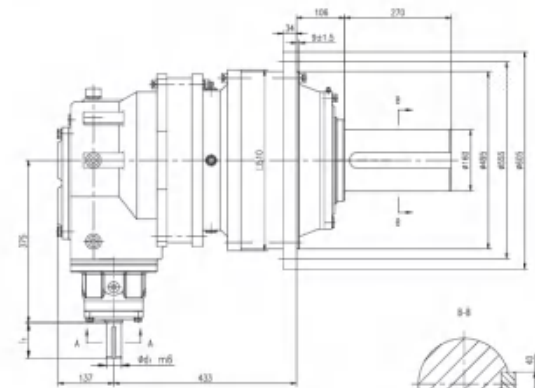
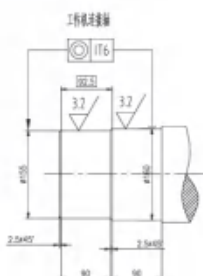
输入轴尺寸			
iN≤360		iN≥400	
d ₁	l ₁	d ₁	l ₁
35	80	28	60
b ₁	L ₁	b	L ₁
10	38	8	31



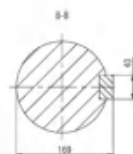
输入轴尺寸			
iN≤360		iN≥400	
d ₁	l ₁	d ₁	l ₁
35	80	28	60
b ₁	L ₁	b	L ₁
10	38	8	31



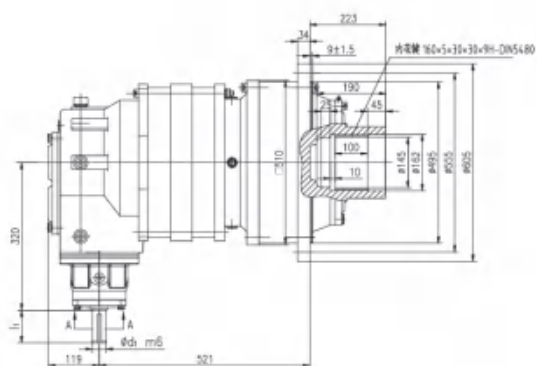
输入轴尺寸			
iN≤360		iN≥400	
d ₁	l ₁	d ₁	l ₁
35	80	28	60
b ₁	L ₁	b	L ₁
10	38	8	31



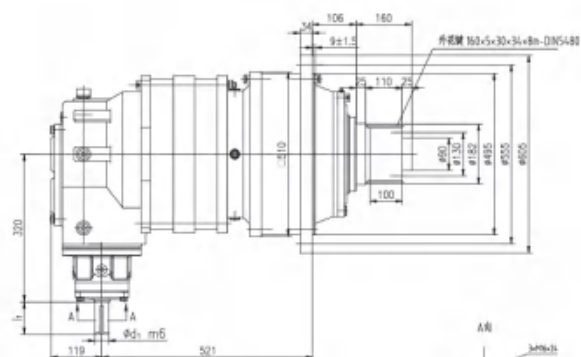
输入轴尺寸			
iN≤360		iN≥400	
d ₁	l ₁	d ₁	l ₁
35	80	28	60
b ₁	L ₁	b	L ₁
10	38	8	31



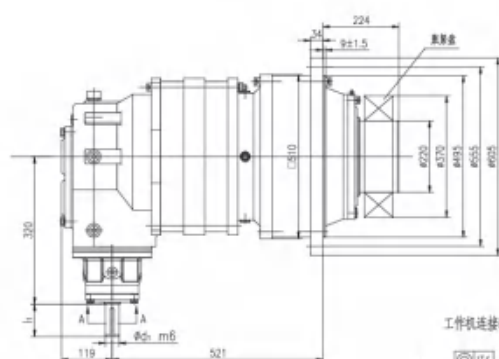
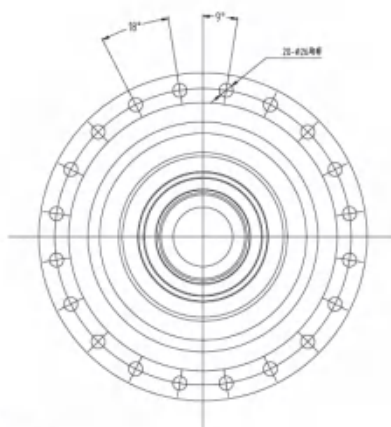
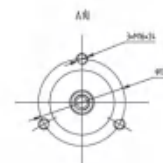
一级锥齿+一级斜齿直角轴(K3)
Right angle input+Parallel-shaft



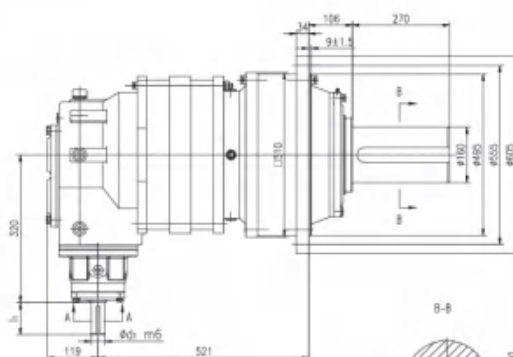
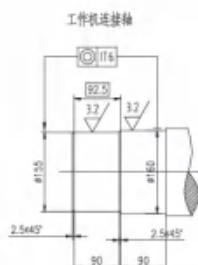
输入轴尺寸			
iN≤2000		iN≥2240	
d ₁	l ₁	d ₁	l ₁
30	70	25	60
b ₁	L ₁	b	L ₁
8	33	8	28



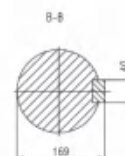
输入轴尺寸			
iN≤2000		iN≥2240	
d ₁	l ₁	d ₁	l ₁
30	70	25	60
b ₁	L ₁	b	L ₁
8	33	8	28



输入轴尺寸			
iN≤2000		iN≥2240	
d ₁	l ₁	d ₁	l ₁
30	70	25	60
b ₁	L ₁	b	L ₁
8	33	8	28

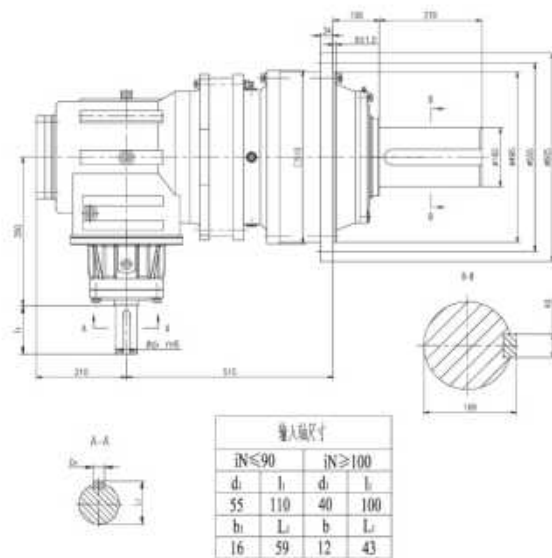
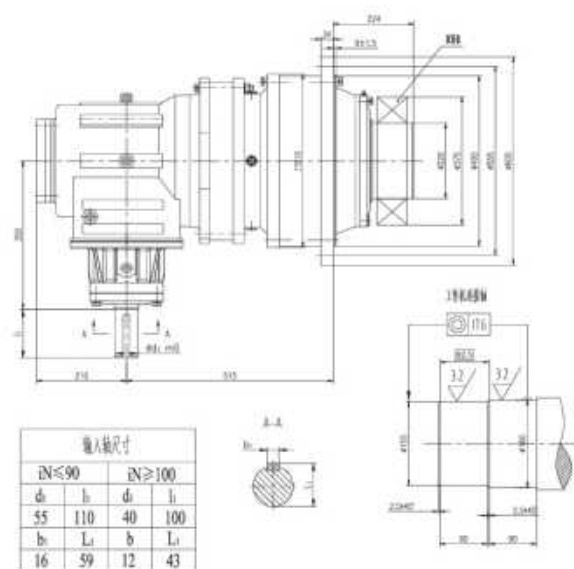
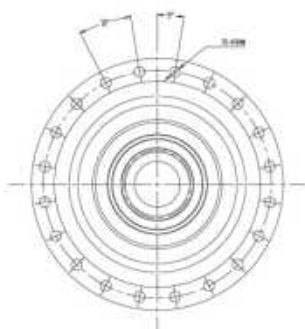
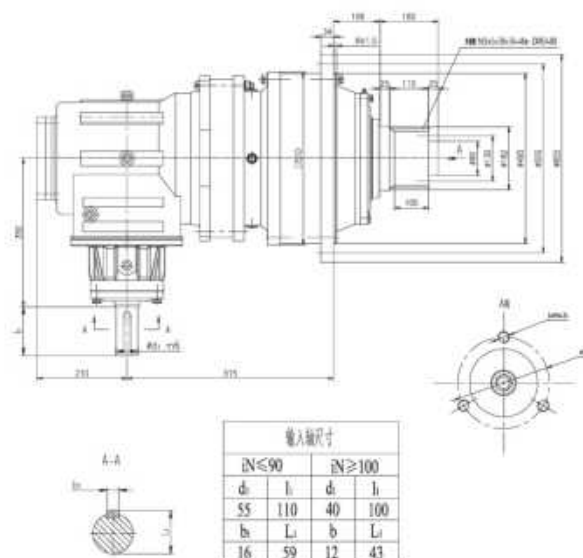
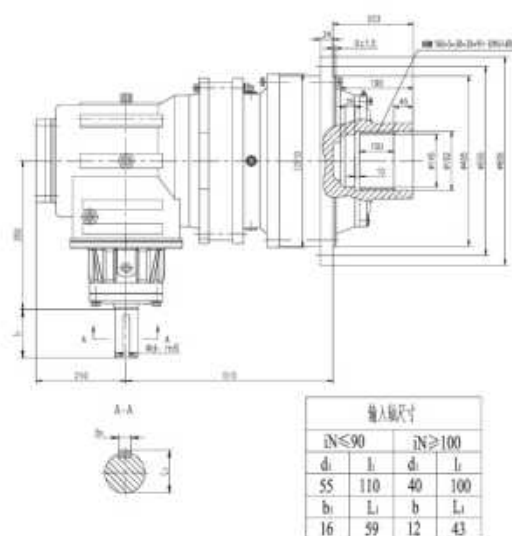


输入轴尺寸			
iN≤2000		iN≥2240	
d ₁	l ₁	d ₁	l ₁
30	70	25	60
b ₁	L ₁	b	L ₁
8	33	8	28



一级锥齿直交轴(L2)
Right angle input

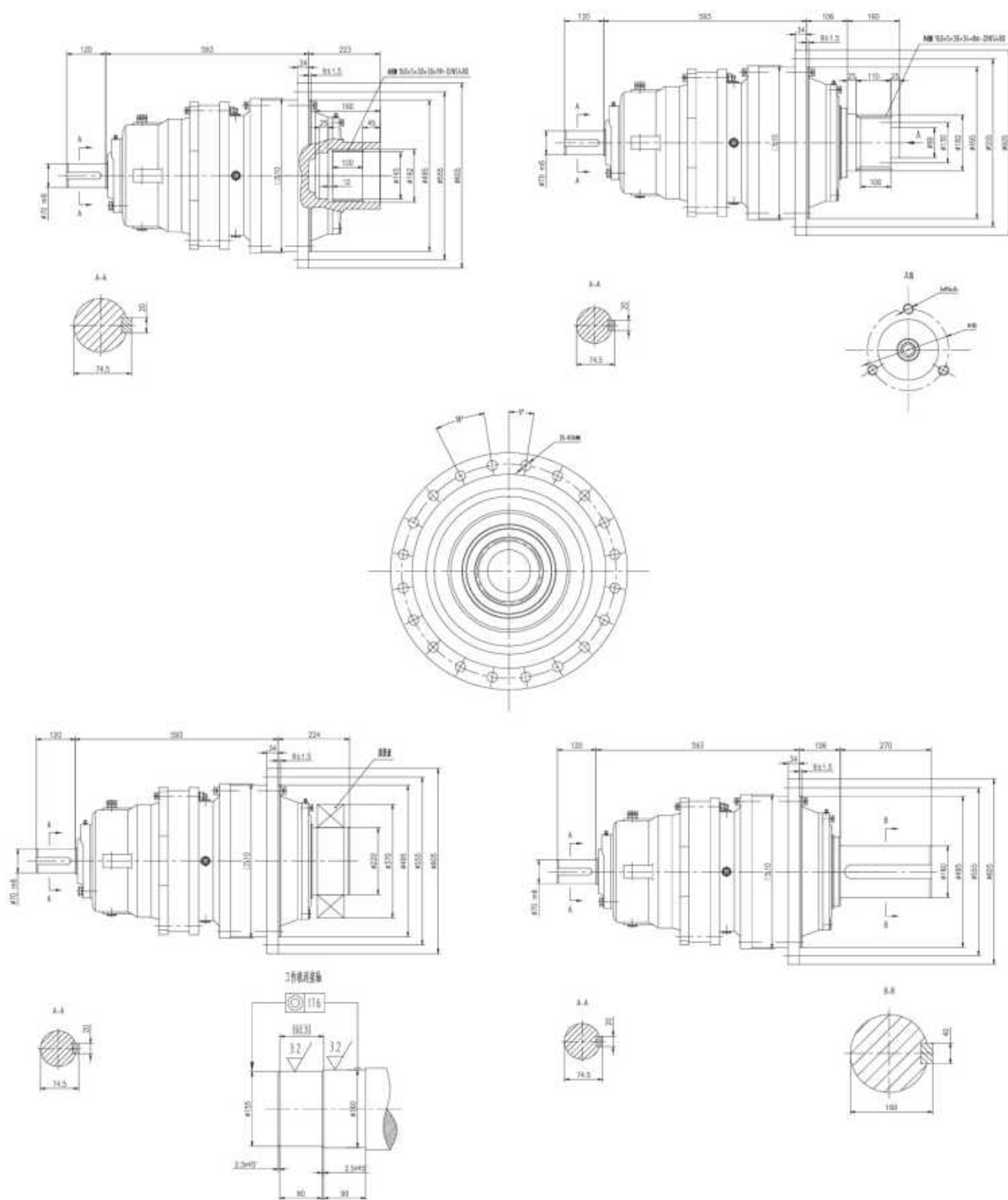
12



同轴式(N2)

In line

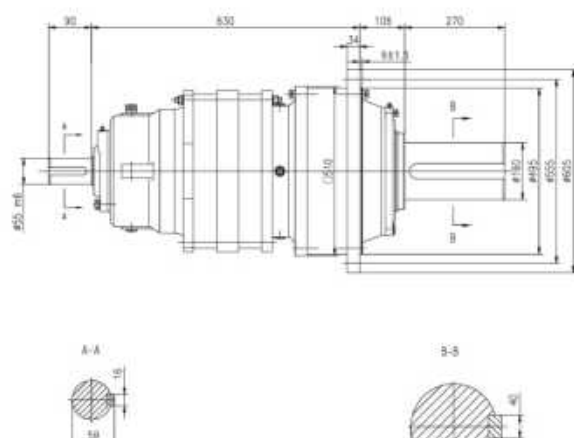
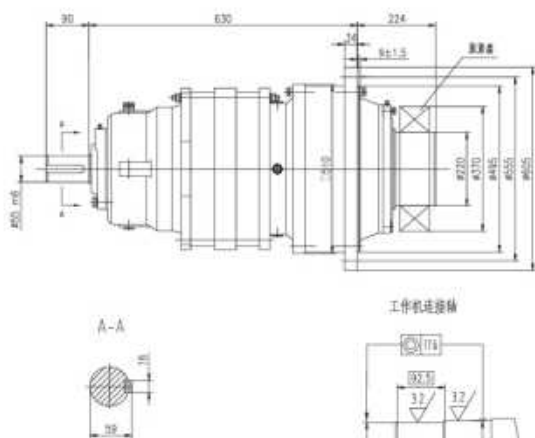
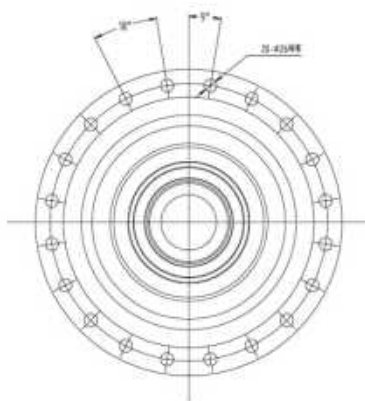
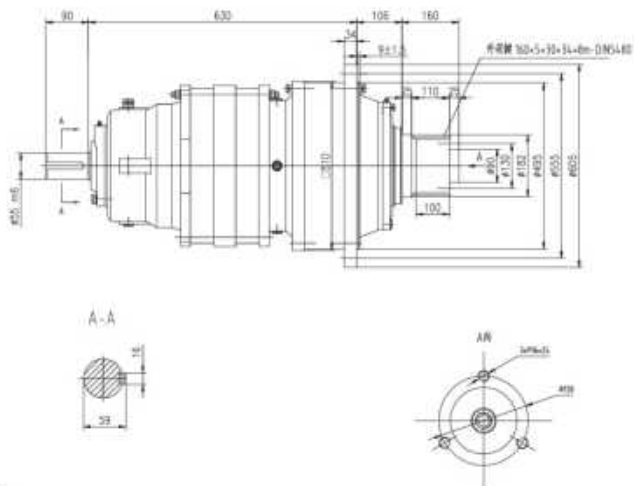
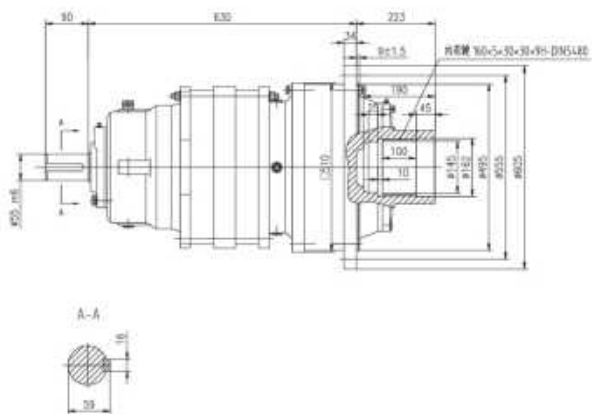
12



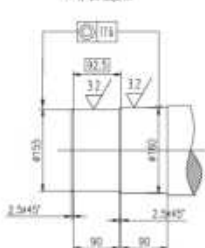
同轴式(N3)

In line

12

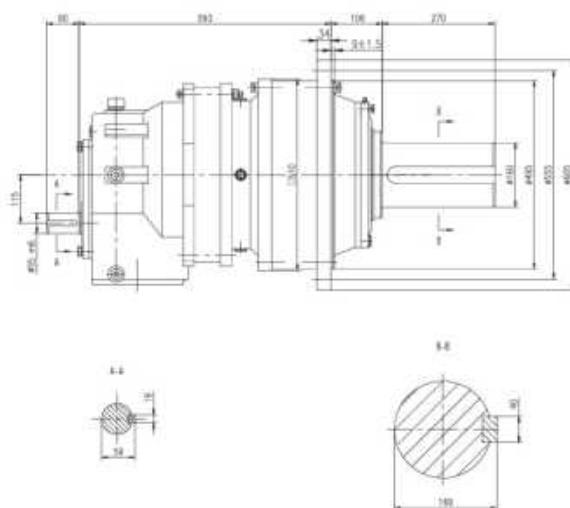
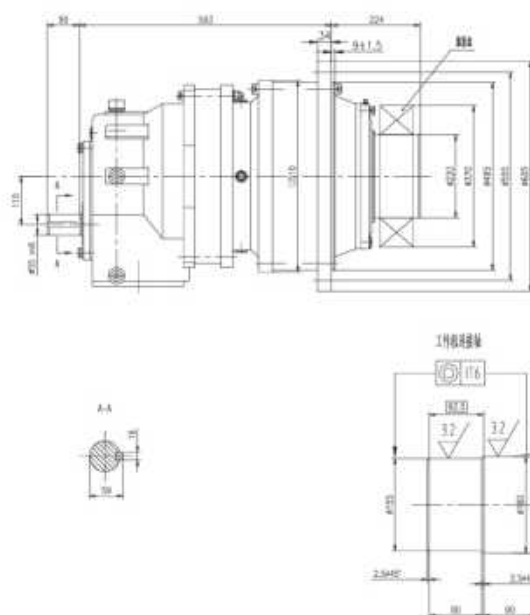
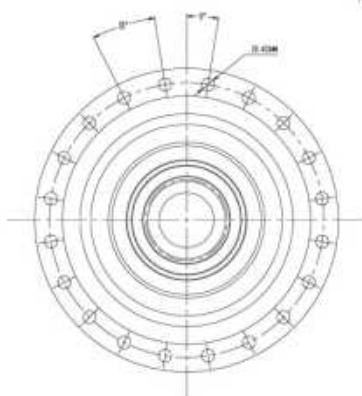
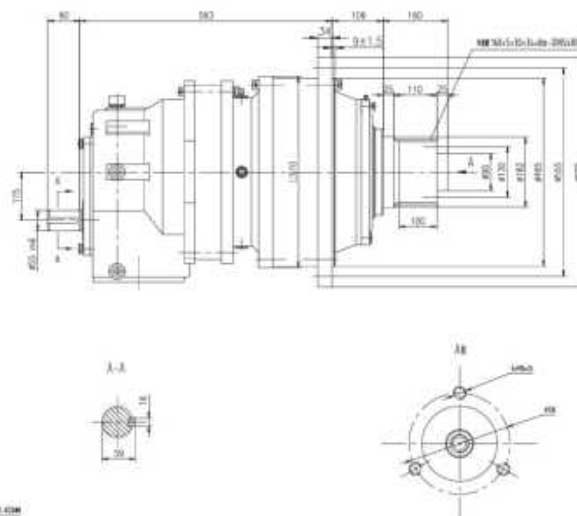
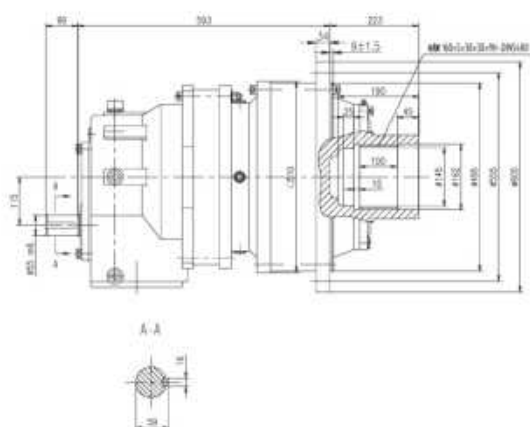


工作机连接轴

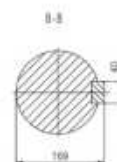
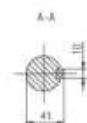
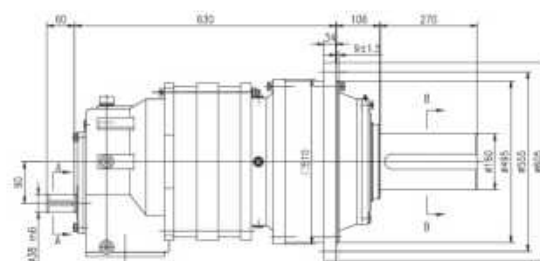
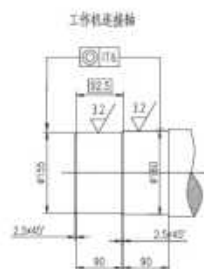
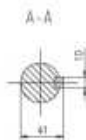
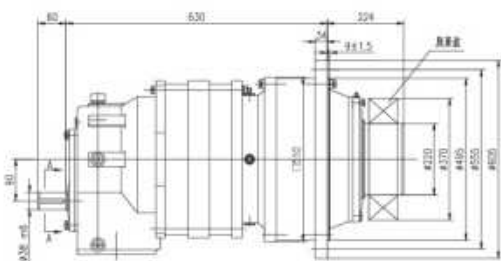
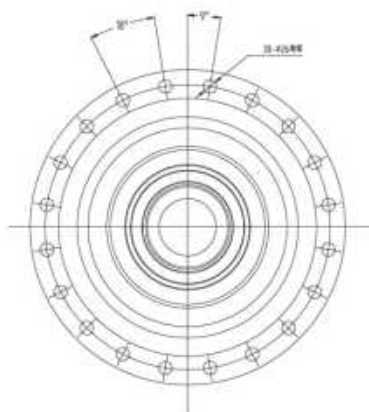
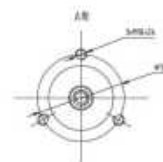
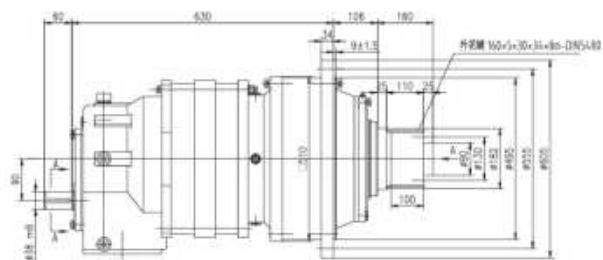
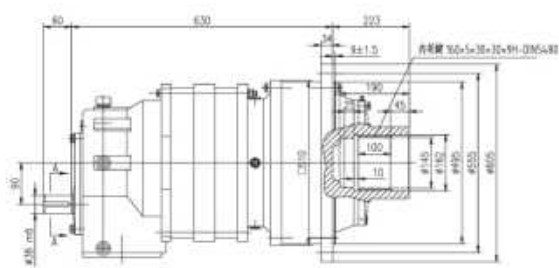


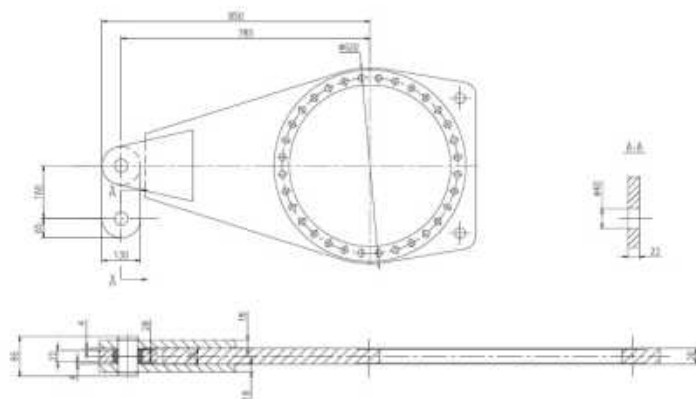
一级斜齿平行轴(S2)
Parallel-shaft input

12

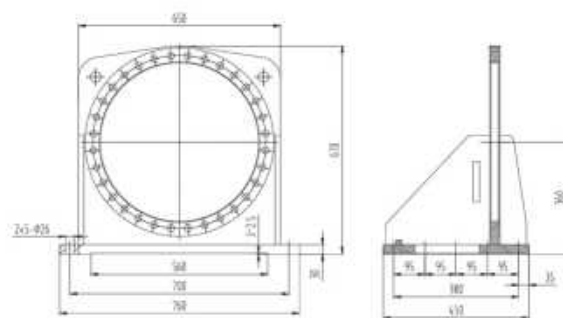


一级斜齿平行轴(S3)
Parallel-shaft input

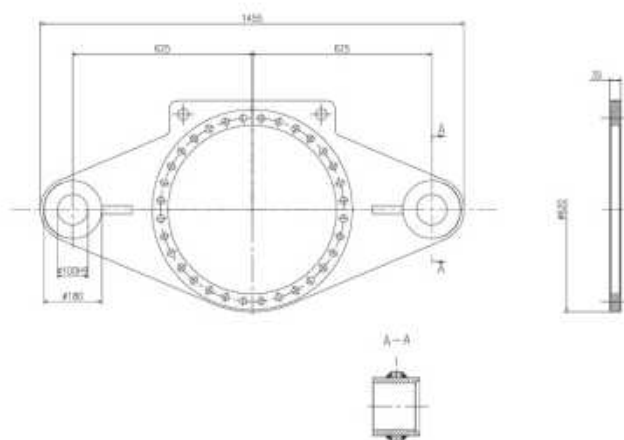




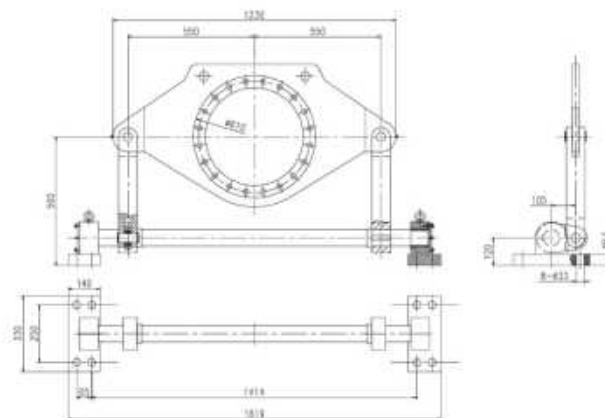
75-单侧扭矩支撑臂



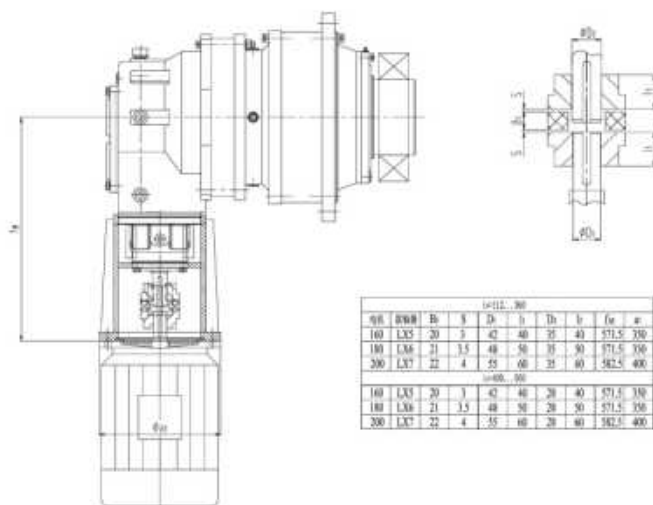
96-底座



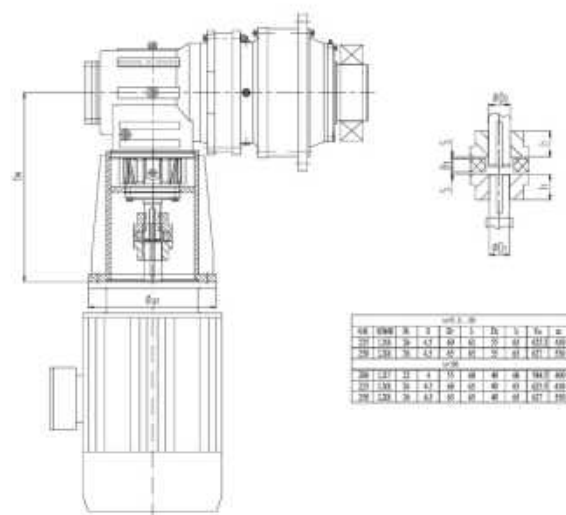
76-两侧扭矩支撑臂



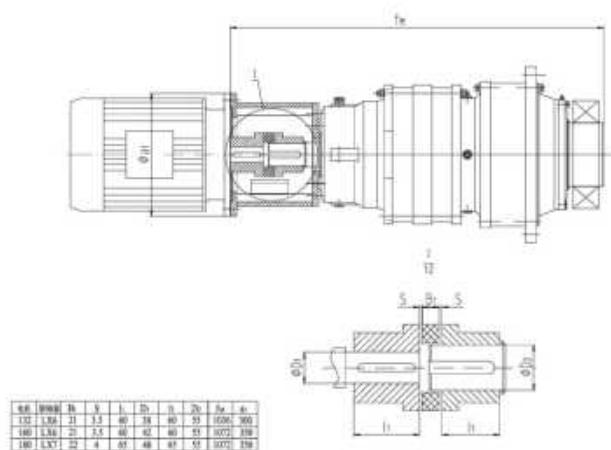
77-扭力轴支撑架



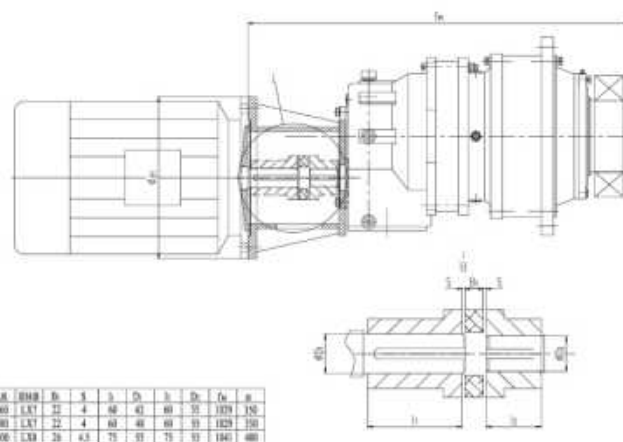
70-K2帶电机



70-L2带电机



70-N3带电机



70-S2带电机

GTP13

83000 N·m

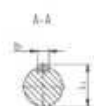
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW		
N2	1500	GTP13 N2	25	24.958	60.0	516	49	69	93	
		GTP13 N2	28	27.318	54.0	465	49	69	93	
		GTP13 N2	31.5	30.321	48.0	413	49	69	93	
		GTP13 N2	35.5	34.272	42.0	361	49	69	93	
		GTP13 N2	40	39.706	38.0	327	49	69	93	
	1000	GTP13 N2	25	24.958	40.0	344	49	69	93	
		GTP13 N2	28	27.318	36.0	310	49	69	93	
		GTP13 N2	31.5	30.321	32.0	275	49	69	93	
		GTP13 N2	35.5	34.272	28.0	241	49	69	93	
		GTP13 N2	40	39.706	25.0	215	49	69	93	
	750	GTP13 N2	25	24.958	30.0	258	49	69	93	
		GTP13 N2	28	27.318	27.0	232	49	69	93	
		GTP13 N2	31.5	30.321	24.0	206	49	69	93	
		GTP13 N2	35.5	34.272	21.0	181	49	69	93	
		GTP13 N2	40	39.706	19.0	163	49	69	93	
N3	1500	GTP13 N3	140	142.94	10.7	94	34	48	65	
		GTP13 N3	160	161.57	9.4	82	34	48	65	
		GTP13 N3	180	187.19	8.3	73	34	48	65	
		GTP13 N3	200	204.88	7.5	65	34	48	65	
		GTP13 N3	225	227.41	6.7	58	34	48	65	
		GTP13 N3	250	257.04	6.0	52	34	48	65	
		GTP13 N3	280	297.79	5.4	47	34	48	65	
	1000	GTP13 N3	140	142.94	7.1	62	34	48	65	
		GTP13 N3	160	161.57	6.3	55	34	48	65	
		GTP13 N3	180	187.19	5.6	48	34	48	65	
		GTP13 N3	200	204.88	5.0	44	34	48	65	
		GTP13 N3	225	227.41	4.4	39	34	48	65	
		GTP13 N3	250	257.04	4.0	35	34	48	65	
		GTP13 N3	280	297.79	3.6	31	34	48	65	
	750	GTP13 N3	140	142.94	5.4	47	34	48	65	
		GTP13 N3	160	161.57	4.7	41	34	48	65	
		GTP13 N3	180	187.19	4.2	36	34	48	65	
		GTP13 N3	200	204.88	3.8	33	34	48	65	
		GTP13 N3	225	227.41	3.3	29	34	48	65	
		GTP13 N3	250	257.04	3.0	26	34	48	65	
		GTP13 N3	280	297.79	2.7	23	34	48	65	
	L2	1500	GTP13 L2	31.5	31.6775	47.6	418	34	48	65
			GTP13 L2	35.5	34.6724	42.3	345	34	48	65
			GTP13 L2	40	38.4842	37.5	306	34	48	65
GTP13 L2			45	42.1855	33.3	293	34	48	65	
GTP13 L2			50	49.091	30.0	264	34	48	65	
GTP13 L2			56	54.2584	26.8	235	34	48	65	
GTP13 L2			63	62.3262	23.8	209	34	48	65	
GTP13 L2			71	67.776	21.1	186	34	48	65	
GTP13 L2			80	77.6972	18.8	165	34	48	65	
GTP13 L2			90	83.9655	16.7	146	34	48	65	
GTP13 L2			100	95.6273	15.0	132	34	48	65	
1000		GTP13 L2	31.5	31.6775	31.7	279	34	48	65	
		GTP13 L2	35.5	34.6724	28.2	247	34	48	65	
		GTP13 L2	40	38.4842	25.0	204	34	48	65	
		GTP13 L2	45	42.1855	22.2	195	34	48	65	
		GTP13 L2	50	49.091	20.0	176	34	48	65	
		GTP13 L2	56	54.2584	17.9	157	34	48	65	

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW
750	GTP13 L2	80	77.6972	12.5	110	34	48	65
	GTP13 L2	90	83.9655	11.1	98	34	48	65
	GTP13 L2	100	95.6273	10.0	88	34	48	65
	GTP13 L2	31.5	31.6775	23.8	209	34	48	65
	GTP13 L2	35.5	34.6724	21.1	173	34	48	65
	GTP13 L2	40	38.4842	18.8	153	34	48	65
	GTP13 L2	45	42.1855	16.7	146	34	48	65
	GTP13 L2	50	49.091	15.0	132	34	48	65
	GTP13 L2	56	54.2584	13.4	118	34	48	65
	GTP13 L2	63	62.3262	11.9	105	34	48	65
	GTP13 L2	71	67.776	10.6	93	34	48	65
	GTP13 L2	80	77.6972	9.4	82	34	48	65
S2	GTP13 L2	90	83.9655	8.3	73	34	48	65
	GTP13 L2	100	95.6273	7.5	66	34	48	65
	GTP13 S2	45	43.797	33.3	290	36	52	70
	GTP13 S2	50	49.505	30.0	261	36	52	70
	GTP13 S2	56	57.353	26.8	233	36	52	70
	GTP13 S2	63	59.977	23.8	207	36	52	70
	GTP13 S2	71	69.485	21.1	184	36	52	70
	GTP13 S2	80	78.827	18.8	163	36	52	70
	GTP13 S2	90	91.324	16.7	145	36	52	70
	GTP13 S2	100	95.963	15.0	130	36	52	70
	GTP13 S2	112	111.18	13.4	116	36	52	70
	GTP13 S2	125	119.12	12.0	104	36	52	70
	GTP13 S2	45	43.797	22.2	193	36	52	70
	GTP13 S2	50	49.505	20.0	174	36	52	70
	GTP13 S2	56	57.353	17.9	155	36	52	70
	GTP13 S2	63	59.977	15.9	138	36	52	70
	GTP13 S2	71	69.485	14.1	122	36	52	70
	GTP13 S2	80	78.827	12.5	109	36	52	70
	GTP13 S2	90	91.324	11.1	97	36	52	70
	GTP13 S2	100	95.963	10.0	87	36	52	70
	GTP13 S2	112	111.18	8.9	78	36	52	70
	GTP13 S2	125	119.12	8.0	70	36	52	70
	GTP13 S2	45	43.797	16.7	145	36	52	70
	GTP13 S2	50	49.505	15.0	130	36	52	70
	GTP13 S2	56	57.353	13.4	116	36	52	70
	GTP13 S2	63	59.977	11.9	103	36	52	70
S3	GTP13 S2	71	69.485	10.6	92	36	52	70
	GTP13 S2	80	78.827	9.4	81	36	52	70
	GTP13 S2	90	91.324	8.3	72	36	52	70
	GTP13 S2	100	95.963	7.5	65	36	52	70
	GTP13 S2	112	111.18	6.7	58	36	52	70
	GTP13 S2	125	119.12	6.0	52	36	52	70
	GTP13 S3	280	287.42	5.4	47	28	40	54
	GTP13 S3	315	324.88	4.8	42	28	40	54
	GTP13 S3	355	376.39	4.2	37	28	40	54
	GTP13 S3	400	390.49	3.8	33	28	40	54
	GTP13 S3	450	452.4	3.3	29	28	40	54
	GTP13 S3	500	496.56	3.0	26	28	40	54
	GTP13 S3	560	575.29	2.7	24	28	40	54
	GTP13 S3	630	628.63	2.4	21	28	40	54
	GTP13 S3	710	728.29	2.1	19	28	40	54
	GTP13 S3	800	786.25	1.9	17	28	40	54
	GTP13 S3	900	910.9	1.7	15	28	40	54
	GTP13 S3	280	287.42	3.6	31	28	40	54
	GTP13 S3	315	324.88	3.2	28	28	40	54
	GTP13 S3	355	376.39	2.8	25	28	40	54

n ₁ r/min		机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW
750		GTP13 S3	400	390.49	2.5	22	28	40	54
		GTP13 S3	450	452.4	2.2	20	28	40	54
		GTP13 S3	500	496.56	2.0	18	28	40	54
		GTP13 S3	560	575.29	1.8	16	28	40	54
		GTP13 S3	630	628.63	1.6	14	28	40	54
		GTP13 S3	710	728.29	1.4	12	28	40	54
		GTP13 S3	800	786.25	1.3	11	28	40	54
		GTP13 S3	900	910.9	1.1	10	28	40	54
		GTP13 S3	280	287.42	2.7	24	28	40	54
		GTP13 S3	315	324.88	2.4	21	28	40	54
		GTP13 S3	355	376.39	2.1	19	28	40	54
		GTP13 S3	400	390.49	1.9	17	28	40	54
		GTP13 S3	450	452.4	1.7	15	28	40	54
		GTP13 S3	500	496.56	1.5	13	28	40	54
		GTP13 S3	560	575.29	1.3	12	28	40	54
		GTP13 S3	630	628.63	1.2	10	28	40	54
		GTP13 S3	710	728.29	1.1	9	28	40	54
		GTP13 S3	800	786.25	0.9	8	28	40	54
		GTP13 S3	900	910.9	0.8	7	28	40	54
K2	1500	GTP13 K2	112	107.76	13.4	117	28	40	54
		GTP13 K2	125	121.8	12.0	105	28	40	54
		GTP13 K2	140	141.11	10.7	93	28	40	54
		GTP13 K2	160	151.19	9.4	82	28	40	54
		GTP13 K2	180	167.85	8.3	73	28	40	54
		GTP13 K2	200	192.86	7.5	65	28	40	54
		GTP13 K2	225	213.16	6.7	58	28	40	54
		GTP13 K2	250	231.23	6.0	52	28	40	54
		GTP13 K2	280	266.26	5.4	47	28	40	54
		GTP13 K2	320	302.38	4.7	41	28	40	54
		GTP13 K2	360	329.86	4.2	36	28	40	54
		GTP13 K2	400	375.68	3.8	33	28	40	54
		GTP13 K2	450	422.33	3.3	29	28	40	54
		GTP13 K2	500	465.64	3.0	26	28	40	54
		1000	GTP13 K2	112	107.76	8.9	78	28	40
	GTP13 K2		125	121.8	8.0	70	28	40	54
	GTP13 K2		140	141.11	7.1	62	28	40	54
	GTP13 K2		160	151.19	6.3	54	28	40	54
	GTP13 K2		180	167.85	5.6	48	28	40	54
	GTP13 K2		200	192.86	5.0	44	28	40	54
	GTP13 K2		225	213.16	4.4	39	28	40	54
	GTP13 K2		250	231.23	4.0	35	28	40	54
	GTP13 K2		280	266.26	3.6	31	28	40	54
	GTP13 K2		320	302.38	3.1	27	28	40	54
	GTP13 K2		360	329.86	2.8	24	28	40	54
	GTP13 K2		400	375.68	2.5	22	28	40	54
	GTP13 K2		450	422.33	2.2	19	28	40	54
	GTP13 K2		500	465.64	2.0	17	28	40	54
	750	GTP13 K2	112	107.76	6.7	58	28	40	54
		GTP13 K2	125	121.8	6.0	52	28	40	54
		GTP13 K2	140	141.11	5.4	47	28	40	54
		GTP13 K2	160	151.19	4.7	41	28	40	54
		GTP13 K2	180	167.85	4.2	36	28	40	54
		GTP13 K2	200	192.86	3.8	33	28	40	54
		GTP13 K2	225	213.16	3.3	29	28	40	54
		GTP13 K2	250	231.23	3.0	26	28	40	54
		GTP13 K2	280	266.26	2.7	23	28	40	54
		GTP13 K2	320	302.38	2.3	20	28	40	54
	GTP13 K2	360	329.86	2.1	18	28	40	54	

n ₁ r/min		机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW
K3	1500	GTP13 K2	400	375.68	1.9	16	28	40	54
		GTP13 K2	450	422.33	1.7	15	28	40	54
		GTP13 K2	500	465.64	1.5	13	28	40	54
	GTP13 K3	560	551.29	2.68	24	23	33	44	
	GTP13 K3	630	623.14	2.38	21	23	33	44	
	GTP13 K3	710	682.06	2.11	19	23	33	44	
	GTP13 K3	800	757.04	1.88	17	23	33	44	
	GTP13 K3	900	855.7	1.67	15	23	33	44	
	GTP13 K3	1000	956.3	1.50	13	23	33	44	
	GTP13 K3	1120	1107.3	1.34	12	23	33	44	
	GTP13 K3	1250	1214.4	1.20	11	23	33	44	
	GTP13 K3	1400	1317.4	1.07	9	23	33	44	
	GTP13 K3	1600	1517	0.94	8	23	33	44	
	GTP13 K3	1800	1722.8	0.83	7	23	33	44	
	GTP13 K3	2000	1879.4	0.75	6.6	23	33	44	
	GTP13 K3	2240	2140.4	0.67	5.9	23	33	44	
	GTP13 K3	2500	2406.1	0.60	5.3	23	33	44	
	GTP13 K3	2800	2652.9	0.54	4.7	23	33	44	
	GTP13 K3	3150	3023.1	0.48	4.2	23	33	44	
	GTP13 K3	3550	3502.4	0.42	3.7	23	33	44	
	GTP13 K3	4000	4057.6	0.38	3.3	23	33	44	
	1000	GTP13 K3	560	551.29	1.79	16	23	33	44
		GTP13 K3	630	623.14	1.59	14	23	33	44
		GTP13 K3	710	682.06	1.41	12	23	33	44
		GTP13 K3	800	757.04	1.25	11	23	33	44
		GTP13 K3	900	855.7	1.11	10	23	33	44
		GTP13 K3	1000	956.3	1.00	9	23	33	44
		GTP13 K3	1120	1107.3	0.89	8	23	33	44
		GTP13 K3	1250	1214.4	0.80	7	23	33	44
		GTP13 K3	1400	1317.4	0.71	6	23	33	44
GTP13 K3		1600	1517	0.63	6	23	33	44	
GTP13 K3		1800	1722.8	0.56	5	23	33	44	
GTP13 K3		2000	1879.4	0.50	4.4	23	33	44	
GTP13 K3		2240	2140.4	0.45	3.9	23	33	44	
GTP13 K3		2500	2406.1	0.40	3.5	23	33	44	
GTP13 K3		2800	2652.9	0.36	3.2	23	33	44	
GTP13 K3		3150	3023.1	0.32	2.8	23	33	44	
GTP13 K3		3550	3502.4	0.28	2.5	23	33	44	
GTP13 K3		4000	4057.6	0.25	2.2	23	33	44	
750	GTP13 K3	560	551.29	1.34	12	23	33	44	
	GTP13 K3	630	623.14	1.19	11	23	33	44	
	GTP13 K3	710	682.06	1.06	9	23	33	44	
	GTP13 K3	800	757.04	0.94	8	23	33	44	
	GTP13 K3	900	855.7	0.83	7	23	33	44	
	GTP13 K3	1000	956.3	0.75	7	23	33	44	
	GTP13 K3	1120	1107.3	0.67	6	23	33	44	
	GTP13 K3	1250	1214.4	0.60	5	23	33	44	
	GTP13 K3	1400	1317.4	0.54	4.5	23	33	44	
	GTP13 K3	1600	1517	0.47	4	23	33	44	
	GTP13 K3	1800	1722.8	0.42	3.7	23	33	44	
	GTP13 K3	2000	1879.4	0.38	3.3	23	33	44	
	GTP13 K3	2240	2140.4	0.33	3	23	33	44	
	GTP13 K3	2500	2406.1	0.30	2.7	23	33	44	
	GTP13 K3	2800	2652.9	0.27	2.4	23	33	44	
	GTP13 K3	3150	3023.1	0.24	2.1	23	33	44	
	GTP13 K3	3550	3502.4	0.21	1.9	23	33	44	
	GTP13 K3	4000	4057.6	0.19	1.7	23	33	44	

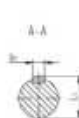
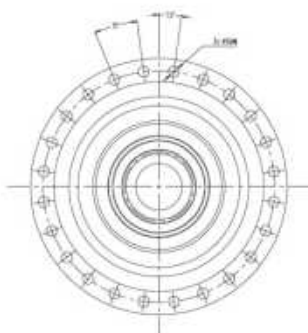
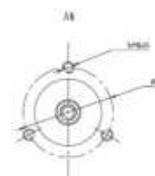
13



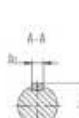
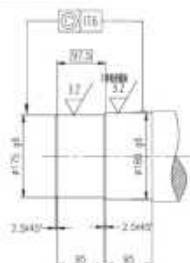
数量统计			
$n \leq 90$		$n \geq 100$	
d1	l1	d1	l1
70	135	50	110
b	L2	b	L2
20	74.5	14	53.5



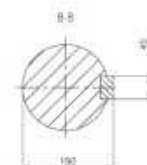
Number			
$n \leq 90$		$n \geq 100$	
d1	l1	d1	l1
70	135	50	110
b	1.2	b	1.2
20	74.5	14	53.5



量/百分比			
$n \leq 90$		$n \geq 100$	
dI	II	dI	II
70	135	50	110
b	1.2	b	1.2
20	74.5	14	53.5

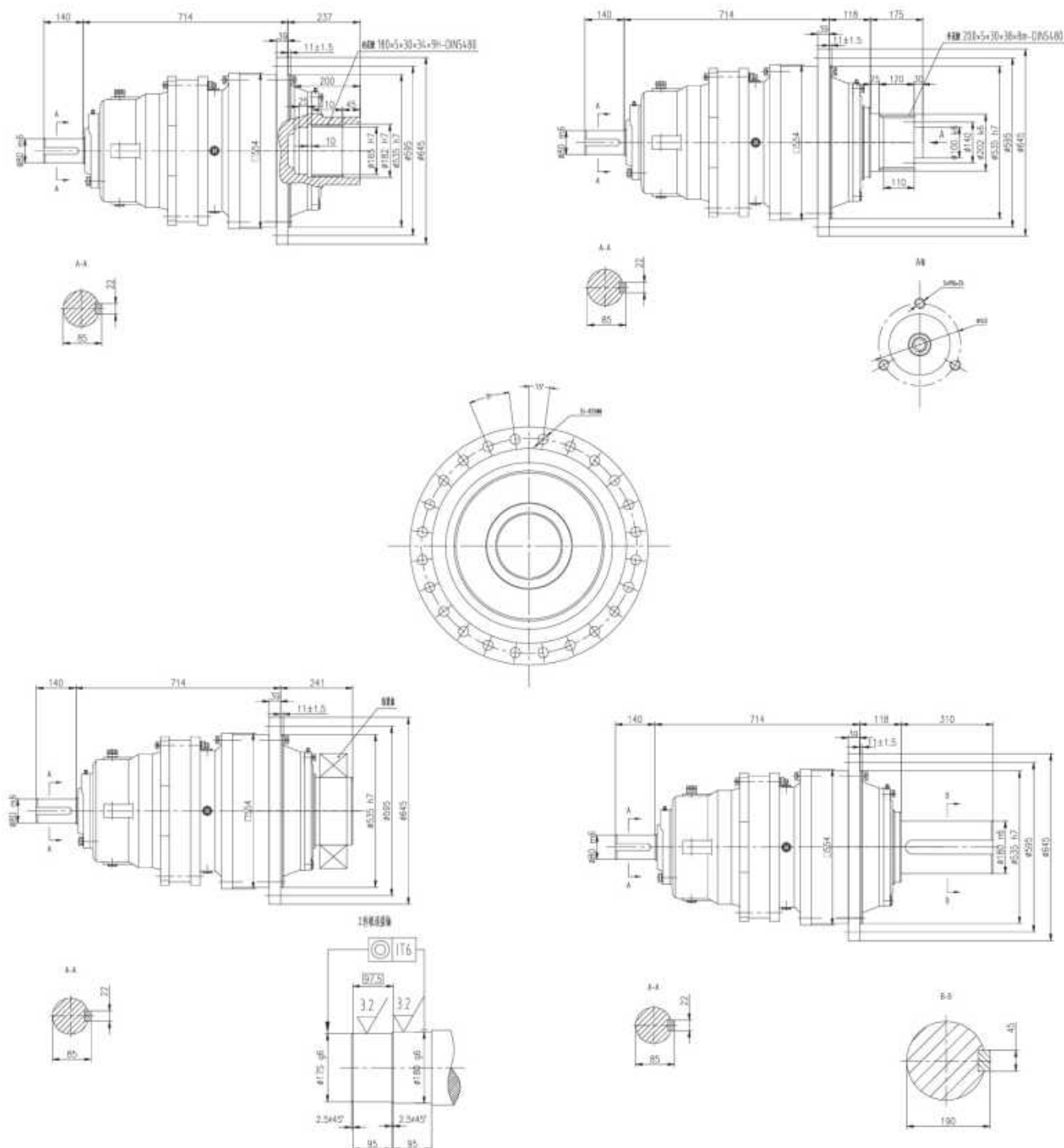


BARRY			
IN ≤ 90		IN ≥ 100	
d1	ll	d1	ll
70	135	50	110
b	L2	b	L2
20	74.5	14	53.5



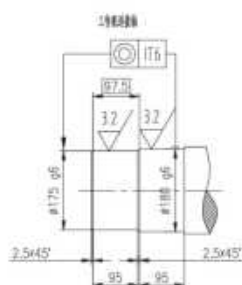
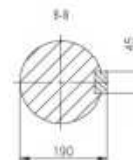
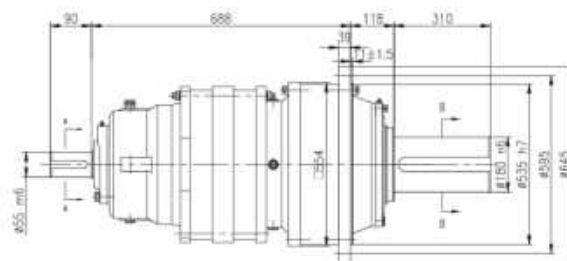
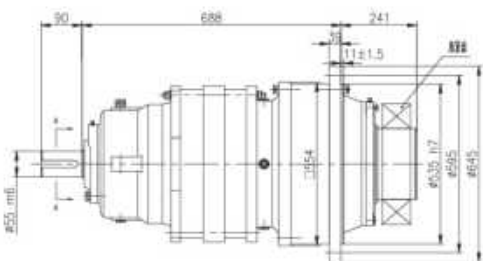
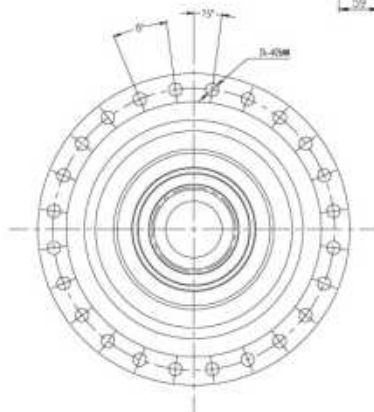
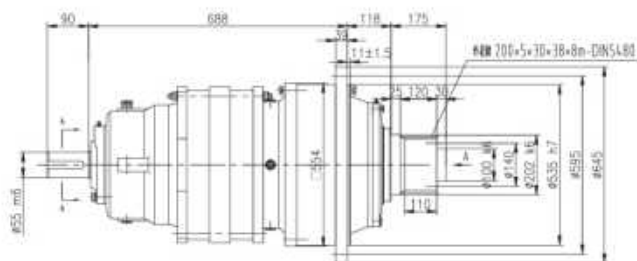
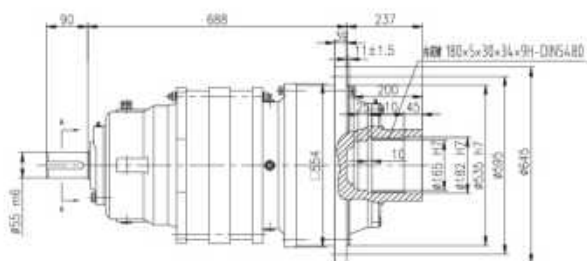
同轴式(N2)

In line

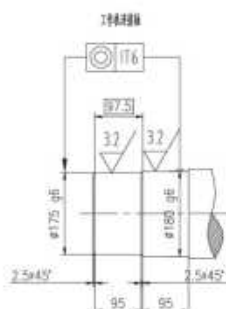
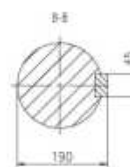
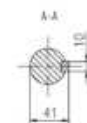
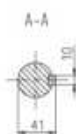
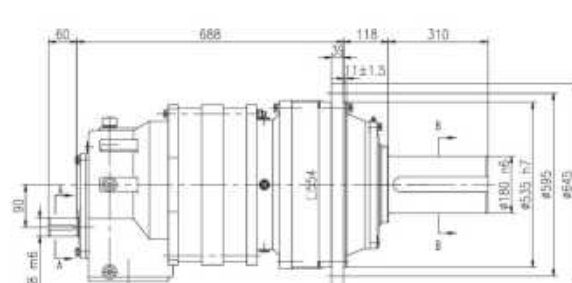
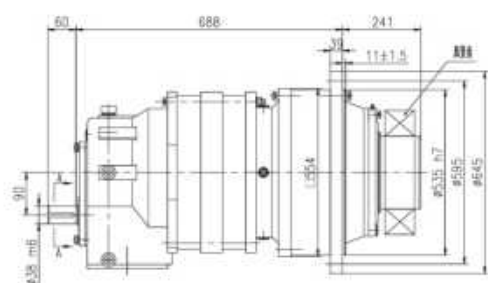
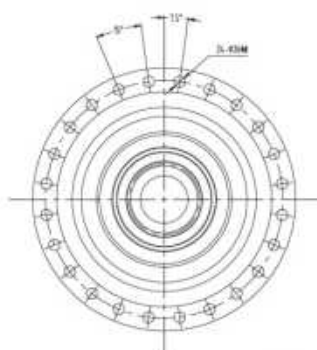
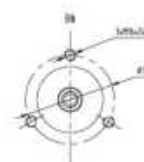
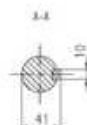
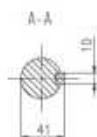
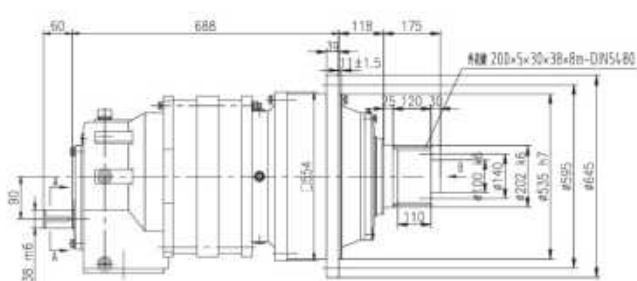
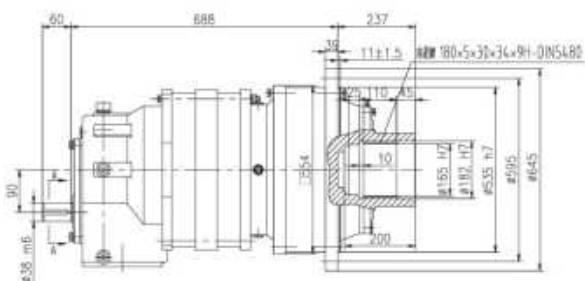


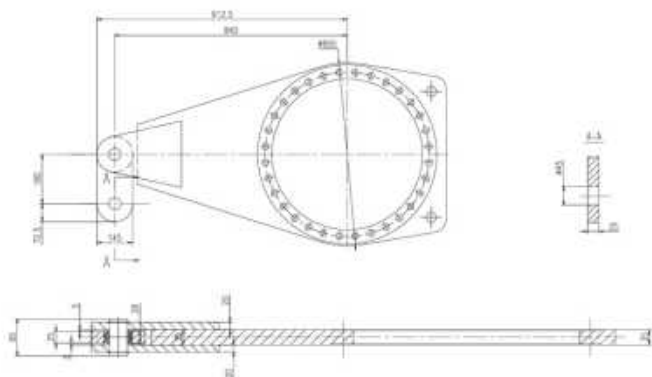
同轴式(N3)

In line

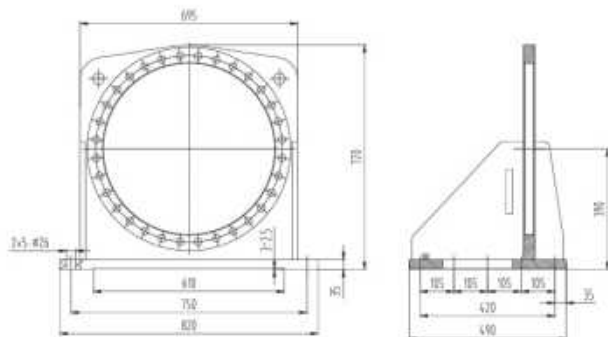


一级斜齿平行轴(S3)
Parallel-shaft input

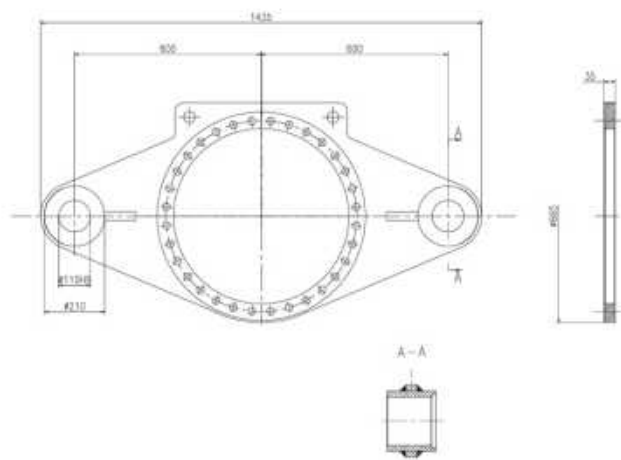




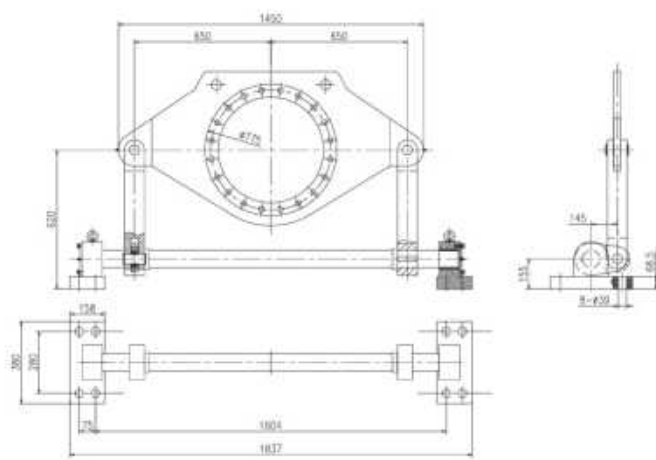
75-单侧扭矩支撑臂



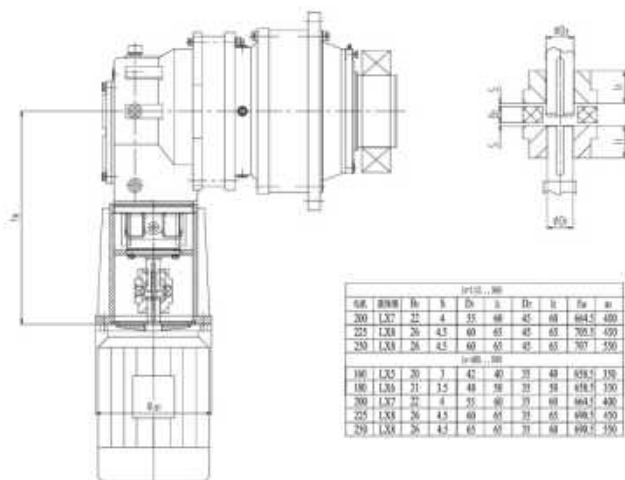
96-底座



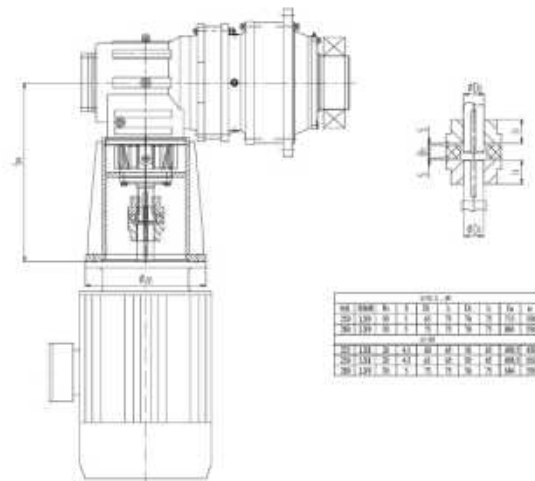
76-两侧扭矩支撑臂



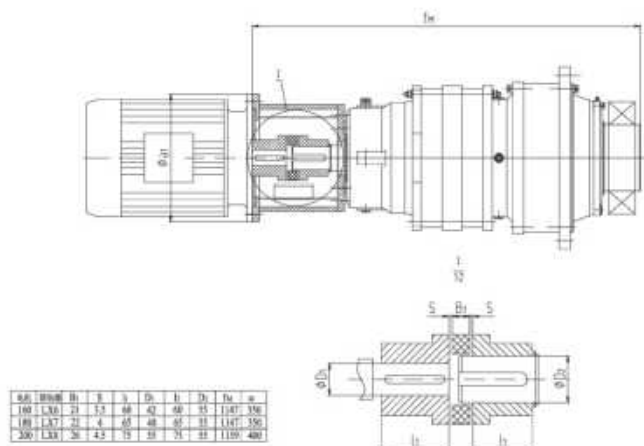
77-扭力轴支撑架



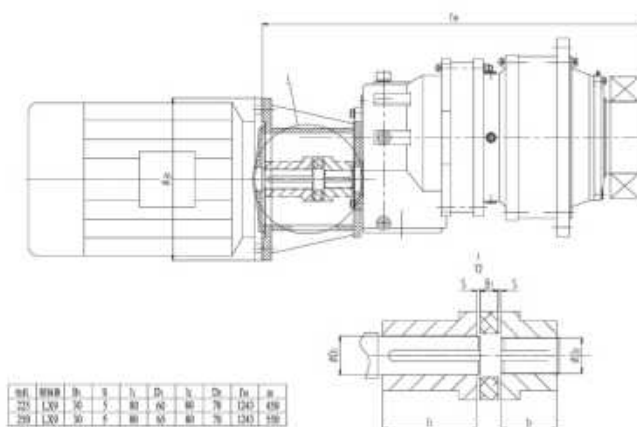
70-K2带电机



70-L2带电机



70-N3带电机



70-S2带电机

GTP14

117000 N·m

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW		
N2	1500	GTP14 N2	25	24.958	60.0	728	65	92	125	
		GTP14 N2	28	27.318	54.0	655	65	92	125	
		GTP14 N2	31.5	30.321	48.0	582	65	92	125	
		GTP14 N2	35.5	34.272	42.0	509	65	92	125	
		GTP14 N2	40	39.706	38.0	461	65	92	125	
	1000	GTP14 N2	25	24.958	40.0	485	65	92	125	
		GTP14 N2	28	27.318	36.0	437	65	92	125	
		GTP14 N2	31.5	30.321	32.0	388	65	92	125	
		GTP14 N2	35.5	34.272	28.0	340	65	92	125	
		GTP14 N2	40	39.706	25.0	303	65	92	125	
	750	GTP14 N2	25	24.958	30.0	364	65	92	125	
		GTP14 N2	28	27.318	27.0	327	65	92	125	
		GTP14 N2	31.5	30.321	24.0	291	65	92	125	
		GTP14 N2	35.5	34.272	21.0	255	65	92	125	
		GTP14 N2	40	39.706	19.0	230	65	92	125	
N3	1500	GTP14 N3	140	142.94	10.7	132	46	64	87	
		GTP14 N3	160	161.57	9.4	115	46	64	87	
		GTP14 N3	180	187.19	8.3	103	46	64	87	
		GTP14 N3	200	204.88	7.5	92	46	64	87	
		GTP14 N3	225	227.41	6.7	82	46	64	87	
		GTP14 N3	250	257.04	6.0	74	46	64	87	
		GTP14 N3	280	297.79	5.4	66	46	64	87	
	1000	GTP14 N3	140	142.94	7.1	88	46	64	87	
		GTP14 N3	160	161.57	6.3	77	46	64	87	
		GTP14 N3	180	187.19	5.6	68	46	64	87	
		GTP14 N3	200	204.88	5.0	62	46	64	87	
		GTP14 N3	225	227.41	4.4	55	46	64	87	
		GTP14 N3	250	257.04	4.0	49	46	64	87	
		GTP14 N3	280	297.79	3.6	44	46	64	87	
	750	GTP14 N3	140	142.94	5.4	66	46	64	87	
		GTP14 N3	160	161.57	4.7	58	46	64	87	
		GTP14 N3	180	187.19	4.2	51	46	64	87	
		GTP14 N3	200	204.88	3.8	46	46	64	87	
		GTP14 N3	225	227.41	3.3	41	46	64	87	
		GTP14 N3	250	257.04	3.0	37	46	64	87	
		GTP14 N3	280	297.79	2.7	33	46	64	87	
	L2	1500	GTP14 L2	31.5	31.6775	47.6	510	46	64	87
			GTP14 L2	35.5	34.6724	42.3	487	46	64	87
			GTP14 L2	40	38.4842	37.5	432	46	64	87
GTP14 L2			45	42.1855	33.3	413	46	64	87	
GTP14 L2			50	49.091	30.0	372	46	64	87	
GTP14 L2			56	54.2584	26.8	332	46	64	87	
GTP14 L2			63	62.3262	23.8	295	46	64	87	
GTP14 L2			71	67.776	21.1	262	46	64	87	
GTP14 L2			80	77.6972	18.8	232	46	64	87	
GTP14 L2			90	83.9655	16.7	206	46	64	87	
GTP14 L2			100	95.6273	15.0	186	46	64	87	
1000		GTP14 L2	31.5	31.6775	31.7	340	46	64	87	
		GTP14 L2	35.5	34.6724	28.2	324	46	64	87	
		GTP14 L2	40	38.4842	25.0	288	46	64	87	
		GTP14 L2	45	42.1855	22.2	275	46	64	87	
		GTP14 L2	50	49.091	20.0	248	46	64	87	
		GTP14 L2	56	54.2584	17.9	221	46	64	87	

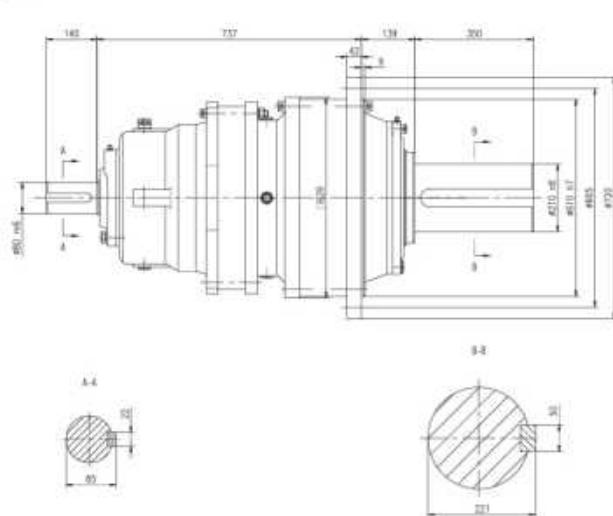
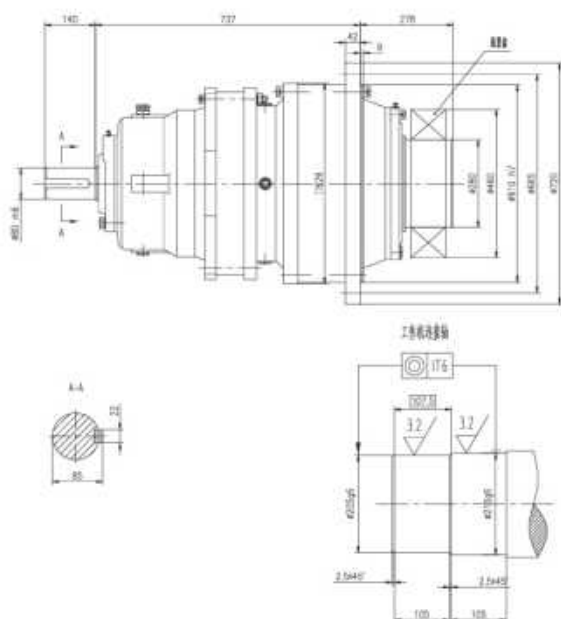
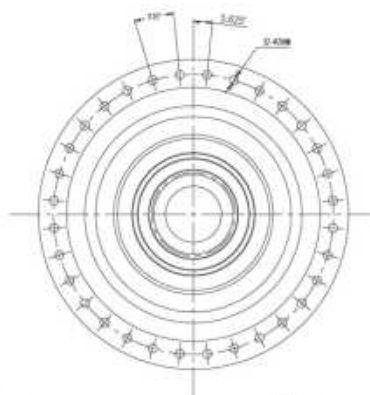
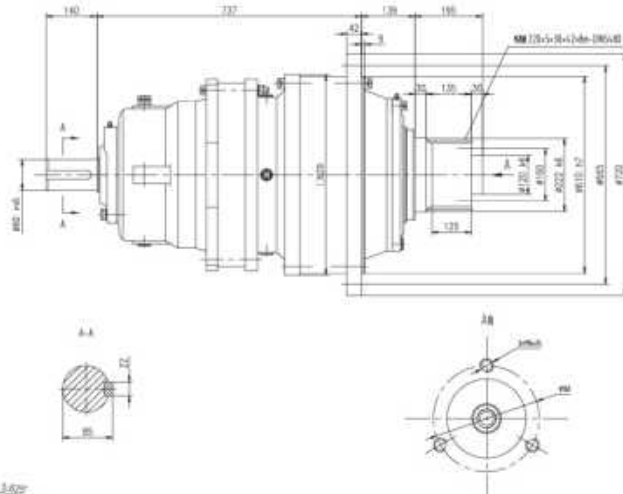
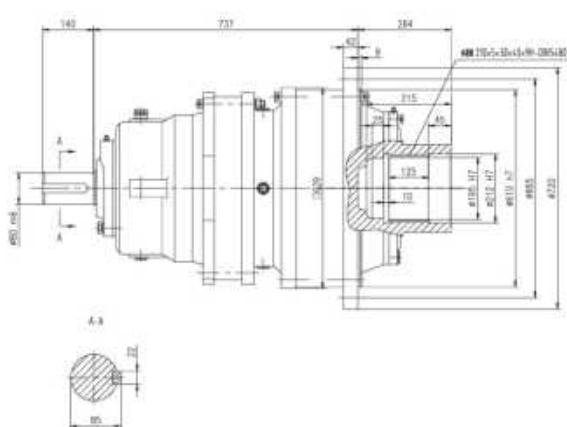
n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW	
750	GTP14 L2	71	67.776	14.1	174	46	64	87	
	GTP14 L2	80	77.6972	12.5	155	46	64	87	
	GTP14 L2	90	83.9655	11.1	138	46	64	87	
	GTP14 L2	100	95.6273	10.0	124	46	64	87	
	GTP14 L2	31.5	31.6775	23.8	255	46	64	87	
	GTP14 L2	35.5	34.6724	21.1	243	46	64	87	
	GTP14 L2	40	38.4842	18.8	216	46	64	87	
	GTP14 L2	45	42.1855	16.7	206	46	64	87	
	GTP14 L2	50	49.091	15.0	186	46	64	87	
	GTP14 L2	56	54.2584	13.4	166	46	64	87	
	GTP14 L2	63	62.3262	11.9	147	46	64	87	
	GTP14 L2	71	67.776	10.6	131	46	64	87	
	GTP14 L2	80	77.6972	9.4	116	46	64	87	
	GTP14 L2	90	83.9655	8.3	103	46	64	87	
	GTP14 L2	100	95.6273	7.5	93	46	64	87	
S2	1500	GTP14 S2	45	43.797	33.3	408	49	69	94
		GTP14 S2	50	49.505	30.0	368	49	69	94
		GTP14 S2	56	57.353	26.8	328	49	69	94
		GTP14 S2	63	59.977	23.8	292	49	69	94
		GTP14 S2	71	69.485	21.1	259	49	69	94
		GTP14 S2	80	78.827	18.8	230	49	69	94
		GTP14 S2	90	91.324	16.7	204	49	69	94
		GTP14 S2	100	95.963	15.0	184	49	69	94
		GTP14 S2	112	111.18	13.4	164	49	69	94
		GTP14 S2	125	119.12	12.0	147	49	69	94
	1000	GTP14 S2	45	43.797	22.2	272	49	69	94
		GTP14 S2	50	49.505	20.0	245	49	69	94
		GTP14 S2	56	57.353	17.9	219	49	69	94
		GTP14 S2	63	59.977	15.9	194	49	69	94
		GTP14 S2	71	69.485	14.1	173	49	69	94
		GTP14 S2	80	78.827	12.5	153	49	69	94
		GTP14 S2	90	91.324	11.1	136	49	69	94
		GTP14 S2	100	95.963	10.0	123	49	69	94
		GTP14 S2	112	111.18	8.9	109	49	69	94
		GTP14 S2	125	119.12	8.0	98	49	69	94
	750	GTP14 S2	45	43.797	16.7	204	49	69	94
		GTP14 S2	50	49.505	15.0	184	49	69	94
		GTP14 S2	56	57.353	13.4	164	49	69	94
		GTP14 S2	63	59.977	11.9	146	49	69	94
		GTP14 S2	71	69.485	10.6	129	49	69	94
		GTP14 S2	80	78.827	9.4	115	49	69	94
		GTP14 S2	90	91.324	8.3	102	49	69	94
		GTP14 S2	100	95.963	7.5	92	49	69	94
		GTP14 S2	112	111.18	6.7	82	49	69	94
		GTP14 S2	125	119.12	6.0	74	49	69	94
S3	1500	GTP14 S3	280	287.42	5.4	67	40	53	72
		GTP14 S3	315	324.88	4.8	59	40	53	72
		GTP14 S3	355	376.39	4.2	53	40	53	72
		GTP14 S3	400	390.49	3.8	47	40	53	72
		GTP14 S3	450	452.4	3.3	41	40	53	72
		GTP14 S3	500	496.56	3.0	37	40	53	72
		GTP14 S3	560	575.29	2.7	33	40	53	72
		GTP14 S3	630	628.63	2.4	30	40	53	72
		GTP14 S3	710	728.29	2.1	26	40	53	72
		GTP14 S3	800	786.25	1.9	23	40	53	72
		GTP14 S3	900	910.9	1.7	21	40	53	72
		1000	GTP14 S3	280	287.42	3.6	44	40	53
	GTP14 S3		315	324.88	3.2	39	40	53	72

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW
750	GTP14 S3	355	376.39	2.8	35	40	53	72
	GTP14 S3	400	390.49	2.5	31	40	53	72
	GTP14 S3	450	452.4	2.2	28	40	53	72
	GTP14 S3	500	496.56	2.0	25	40	53	72
	GTP14 S3	560	575.29	1.8	22	40	53	72
	GTP14 S3	630	628.63	1.6	20	40	53	72
	GTP14 S3	710	728.29	1.4	18	40	53	72
	GTP14 S3	800	786.25	1.3	16	40	53	72
	GTP14 S3	900	910.9	1.1	14	40	53	72
	GTP14 S3	280	287.42	2.7	33	40	53	72
	GTP14 S3	315	324.88	2.4	30	40	53	72
	GTP14 S3	355	376.39	2.1	26	40	53	72
	GTP14 S3	400	390.49	1.9	23	40	53	72
	GTP14 S3	450	452.4	1.7	21	40	53	72
	GTP14 S3	500	496.56	1.5	19	40	53	72
	GTP14 S3	560	575.29	1.3	17	40	53	72
K2 1500	GTP14 K2	112	107.76	13.4	164	38	54	73
	GTP14 K2	125	121.8	12.0	147	38	54	73
	GTP14 K2	140	141.11	10.7	132	38	54	73
	GTP14 K2	160	151.19	9.4	115	38	54	73
	GTP14 K2	180	167.85	8.3	102	38	54	73
	GTP14 K2	200	192.86	7.5	92	38	54	73
	GTP14 K2	225	213.16	6.7	82	38	54	73
	GTP14 K2	250	231.23	6.0	74	38	54	73
	GTP14 K2	280	266.26	5.4	66	38	54	73
	GTP14 K2	320	302.38	4.7	58	38	54	73
	GTP14 K2	360	329.86	4.2	51	38	54	73
	GTP14 K2	400	375.68	3.8	46	38	54	73
	GTP14 K2	450	422.33	3.3	41	38	54	73
	GTP14 K2	500	465.64	3.0	37	38	54	73
	GTP14 K2	112	107.76	8.9	110	38	54	73
	GTP14 K2	125	121.8	8.0	98	38	54	73
1000	GTP14 K2	140	141.11	7.1	88	38	54	73
	GTP14 K2	160	151.19	6.3	77	38	54	73
	GTP14 K2	180	167.85	5.6	68	38	54	73
	GTP14 K2	200	192.86	5.0	61	38	54	73
	GTP14 K2	225	213.16	4.4	55	38	54	73
	GTP14 K2	250	231.23	4.0	49	38	54	73
	GTP14 K2	280	266.26	3.6	44	38	54	73
	GTP14 K2	320	302.38	3.1	38	38	54	73
	GTP14 K2	360	329.86	2.8	34	38	54	73
	GTP14 K2	400	375.68	2.5	31	38	54	73
	GTP14 K2	450	422.33	2.2	27	38	54	73
	GTP14 K2	500	465.64	2.0	25	38	54	73
	GTP14 K2	112	107.76	6.7	82	38	54	73
	GTP14 K2	125	121.8	6.0	74	38	54	73
	GTP14 K2	140	141.11	5.4	66	38	54	73
	GTP14 K2	160	151.19	4.7	58	38	54	73
750	GTP14 K2	180	167.85	4.2	51	38	54	73
	GTP14 K2	200	192.86	3.8	46	38	54	73
	GTP14 K2	225	213.16	3.3	41	38	54	73
	GTP14 K2	250	231.23	3.0	37	38	54	73
	GTP14 K2	280	266.26	2.7	33	38	54	73
	GTP14 K2	320	302.38	2.3	29	38	54	73

n ₁ r/min		机型	i _n	i	n ₂ r/min	P _n KW	P _{t1} KW	P _{t2} KW	P _{t3} KW
K3	1500	GTP14 K2	360	329.86	2.1	26	38	54	73
		GTP14 K2	400	375.68	1.9	23	38	54	73
		GTP14 K2	450	422.33	1.7	20	38	54	73
		GTP14 K2	500	465.64	1.5	18	38	54	73
	GTP14 K3	560	551.29	2.68	33	31	44	59	
	GTP14 K3	630	623.14	2.38	30	31	44	59	
	GTP14 K3	710	682.06	2.11	26	31	44	59	
	GTP14 K3	800	757.04	1.88	23	31	44	59	
	GTP14 K3	900	855.7	1.67	21	31	44	59	
	GTP14 K3	1000	956.3	1.50	19	31	44	59	
	GTP14 K3	1120	1107.3	1.34	17	31	44	59	
	GTP14 K3	1250	1214.4	1.20	15	31	44	59	
	GTP14 K3	1400	1317.4	1.07	13	31	44	59	
	GTP14 K3	1600	1517	0.94	12	31	44	59	
	GTP14 K3	1800	1722.8	0.83	10	31	44	59	
	GTP14 K3	2000	1879.4	0.75	9.4	31	44	59	
	GTP14 K3	2240	2140.4	0.67	8.3	31	44	59	
	GTP14 K3	2500	2406.1	0.60	7.5	31	44	59	
	GTP14 K3	2800	2652.9	0.54	6.7	31	44	59	
	GTP14 K3	3150	3023.1	0.48	5.9	31	44	59	
	GTP14 K3	3550	3502.4	0.42	5.3	31	44	59	
	GTP14 K3	4000	4057.6	0.38	4.7	31	44	59	
	1000	GTP14 K3	560	551.29	1.79	22	31	44	59
		GTP14 K3	630	623.14	1.59	20	31	44	59
		GTP14 K3	710	682.06	1.41	18	31	44	59
		GTP14 K3	800	757.04	1.25	16	31	44	59
		GTP14 K3	900	855.7	1.11	14	31	44	59
		GTP14 K3	1000	956.3	1.00	12	31	44	59
GTP14 K3		1120	1107.3	0.89	11	31	44	59	
GTP14 K3		1250	1214.4	0.80	10	31	44	59	
GTP14 K3		1400	1317.4	0.71	9	31	44	59	
GTP14 K3		1600	1517	0.63	8	31	44	59	
GTP14 K3		1800	1722.8	0.56	7	31	44	59	
GTP14 K3		2000	1879.4	0.50	6.2	31	44	59	
GTP14 K3		2240	2140.4	0.45	5.6	31	44	59	
GTP14 K3		2500	2406.1	0.40	5	31	44	59	
GTP14 K3		2800	2652.9	0.36	4.5	31	44	59	
GTP14 K3		3150	3023.1	0.32	4	31	44	59	
GTP14 K3		3550	3502.4	0.28	3.5	31	44	59	
GTP14 K3		4000	4057.6	0.25	3.1	31	44	59	
750	GTP14 K3	560	551.29	1.34	17	31	44	59	
	GTP14 K3	630	623.14	1.19	15	31	44	59	
	GTP14 K3	710	682.06	1.06	13	31	44	59	
	GTP14 K3	800	757.04	0.94	12	31	44	59	
	GTP14 K3	900	855.7	0.83	10	31	44	59	
	GTP14 K3	1000	956.3	0.75	9	31	44	59	
	GTP14 K3	1120	1107.3	0.67	8	31	44	59	
	GTP14 K3	1250	1214.4	0.60	7	31	44	59	
	GTP14 K3	1400	1317.4	0.54	7	31	44	59	
	GTP14 K3	1600	1517	0.47	6	31	44	59	
	GTP14 K3	1800	1722.8	0.42	5.2	31	44	59	
	GTP14 K3	2000	1879.4	0.38	4.7	31	44	59	
	GTP14 K3	2240	2140.4	0.33	4.2	31	44	59	
	GTP14 K3	2500	2406.1	0.30	3.7	31	44	59	
	GTP14 K3	2800	2652.9	0.27	3.3	31	44	59	
	GTP14 K3	3150	3023.1	0.24	3	31	44	59	
	GTP14 K3	3550	3502.4	0.21	2.6	31	44	59	
	GTP14 K3	4000	4057.6	0.19	2.3	31	44	59	

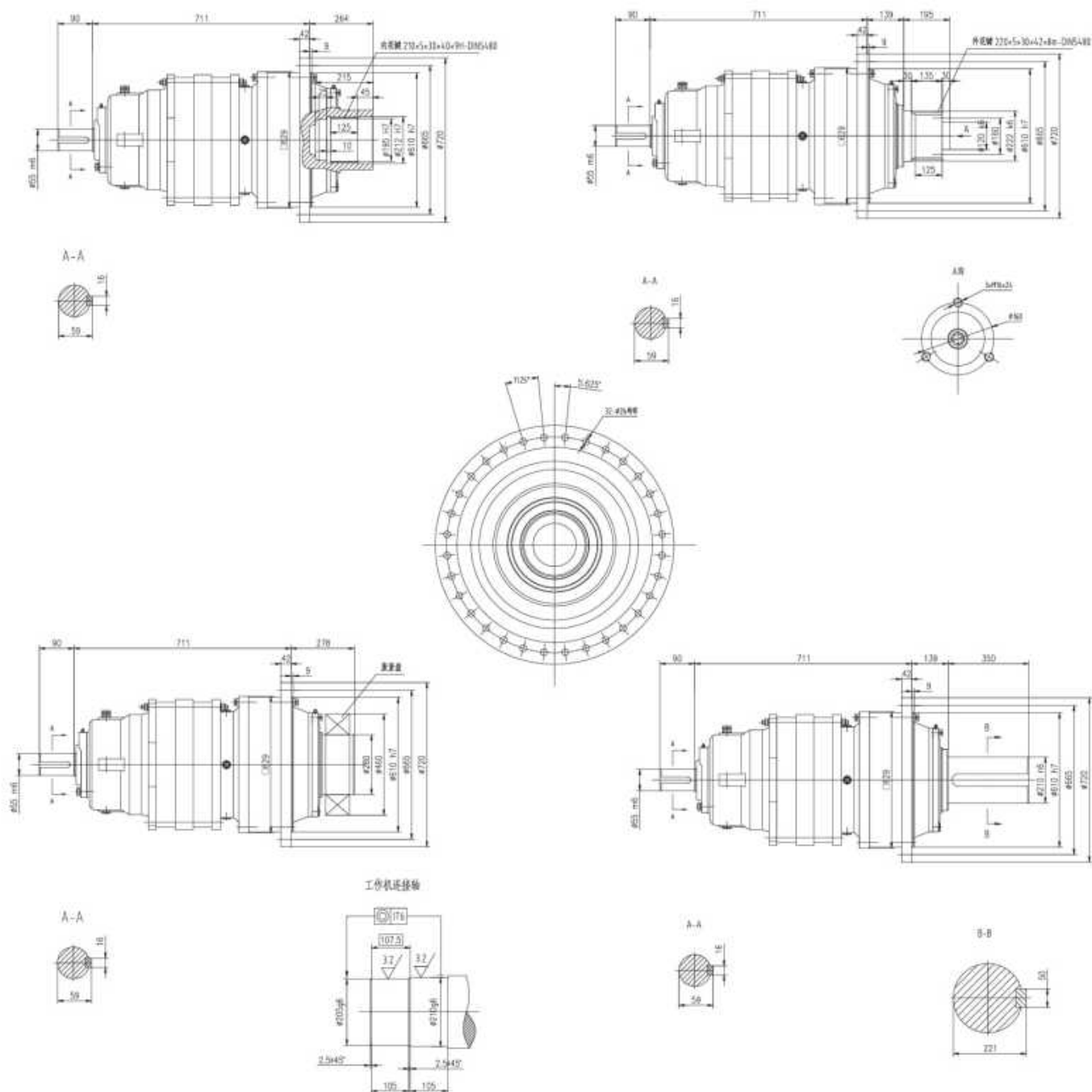
同轴式(N2)

In line

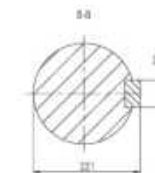
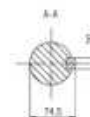
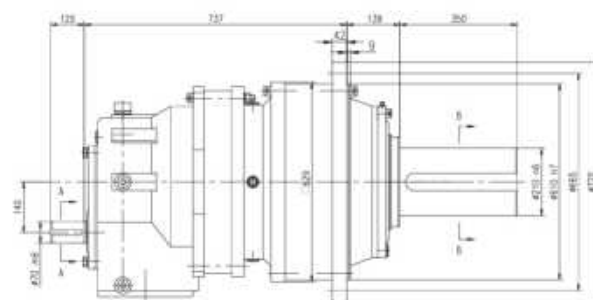
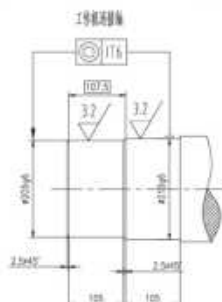
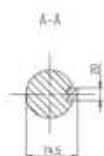
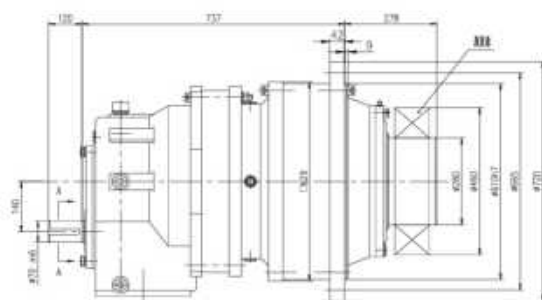
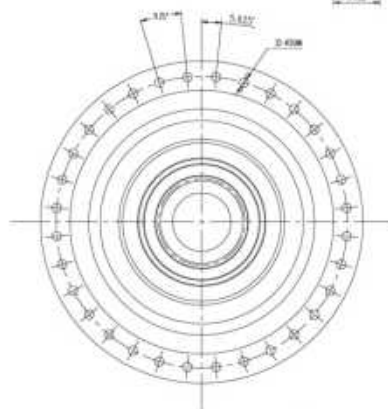
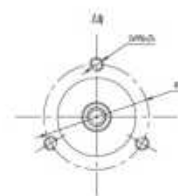
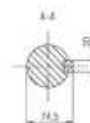
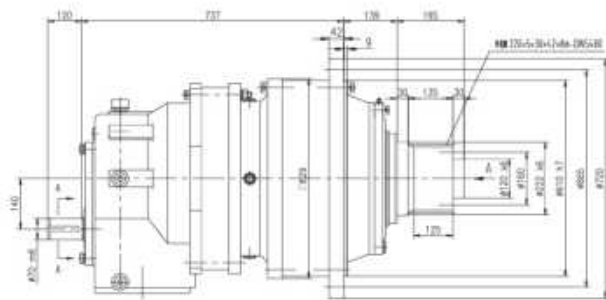
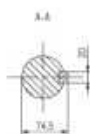
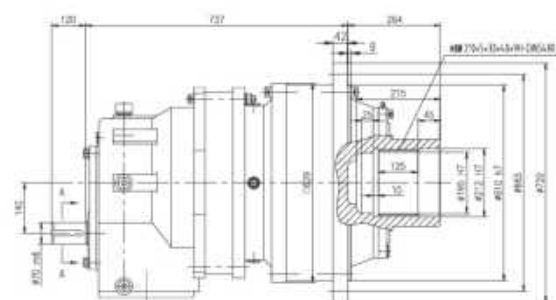


同轴式(N3)

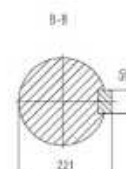
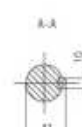
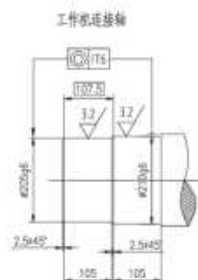
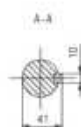
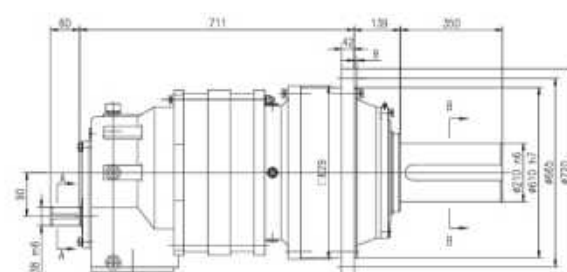
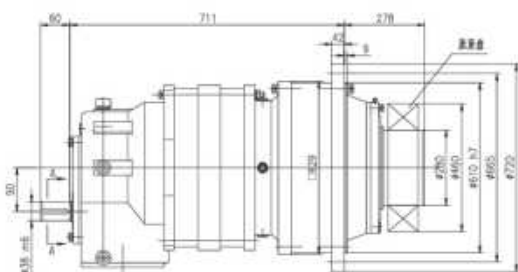
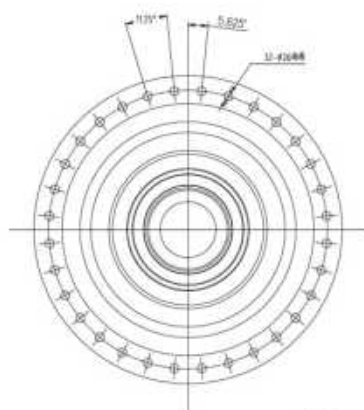
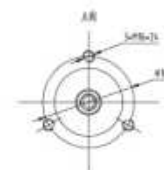
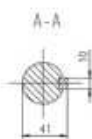
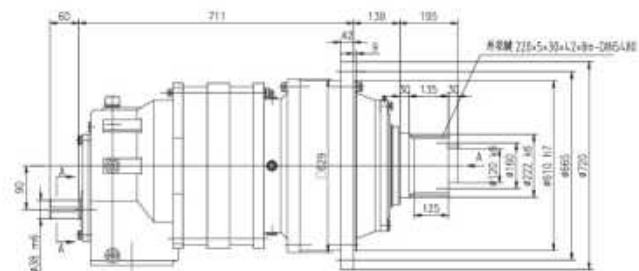
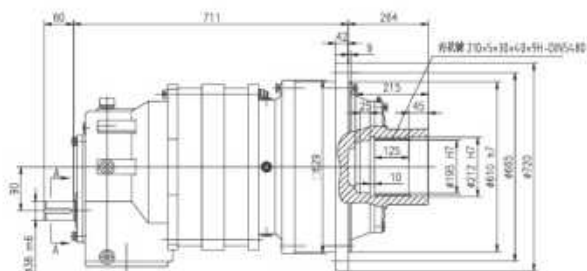
In line

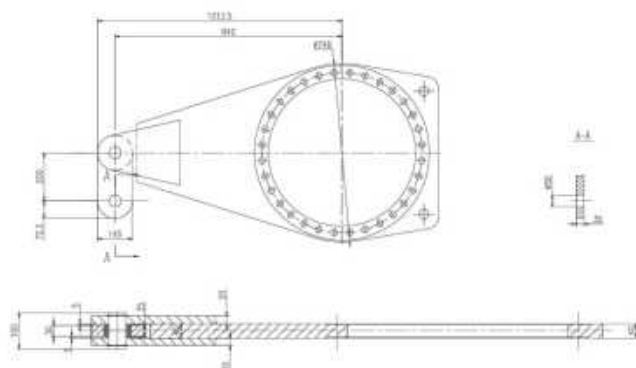


一级斜齿平行轴(S2)
Parallel-shaft input

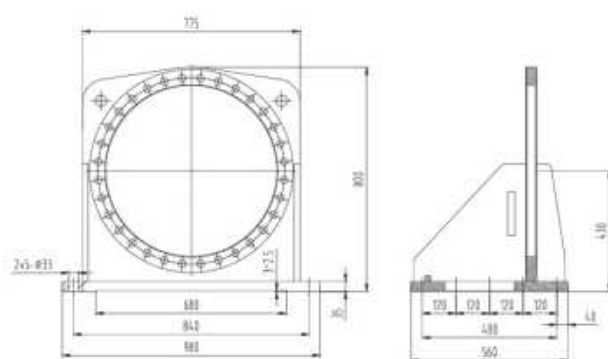


一级斜齿平行轴(S3)
Parallel-shaft input

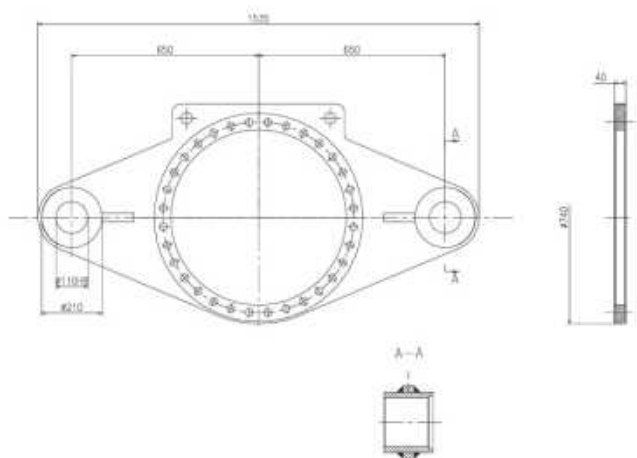




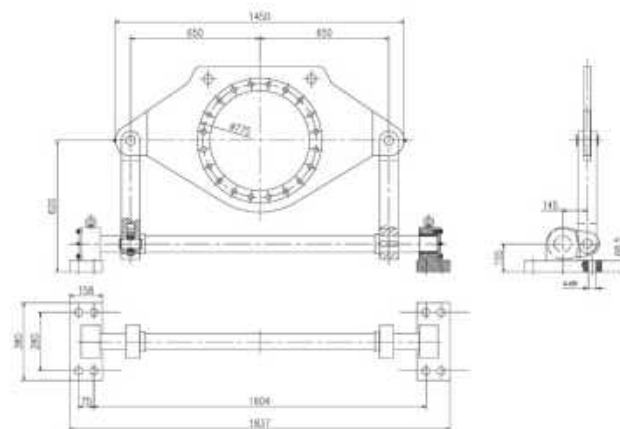
75-单侧扭矩支撑臂



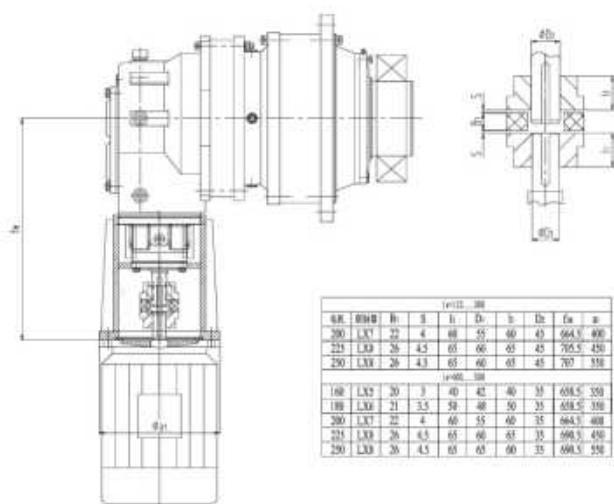
96-底座



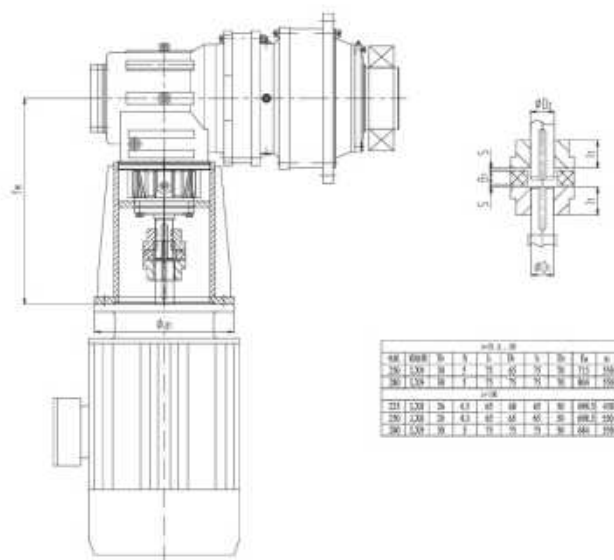
76-两侧扭矩支撑臂



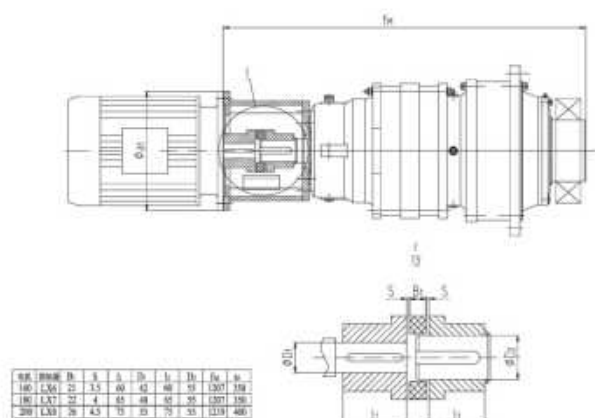
77-扭力轴支撑架



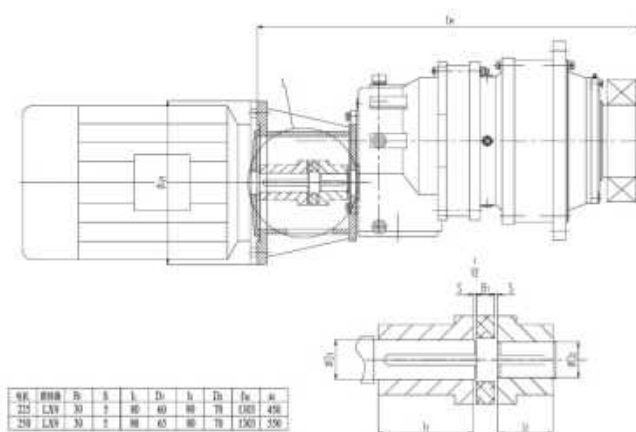
70-K2帶电机



70-L2带电机



70-N3带电机



70-S2带电机

GTP16

160000 N·m

n_1 r/min	机型	i_n	i	n_2 r/min	P_n KW	P_{t1} KW	P_{t2} KW	P_{t3} KW		
N2	1500	GTP16 N2	25	24.75	60.0	955	75	106	143	
		GTP16 N2	28	27.09	54.0	895	75	106	143	
		GTP16 N2	31.5	30.068	48.0	796	75	106	143	
		GTP16 N2	35.5	33.987	42.0	696	75	106	143	
		GTP16 N2	40	39.375	38.0	630	75	106	143	
	1000	GTP16 N2	25	24.75	40.0	663	75	106	143	
		GTP16 N2	28	27.09	36.0	597	75	106	143	
		GTP16 N2	31.5	30.068	32.0	531	75	106	143	
		GTP16 N2	35.5	33.987	28.0	464	75	106	143	
		GTP16 N2	40	39.375	25.0	415	75	106	143	
	750	GTP16 N2	25	24.75	30.0	497	75	106	143	
		GTP16 N2	28	27.09	27.0	448	75	106	143	
		GTP16 N2	31.5	30.068	24.0	398	75	106	143	
		GTP16 N2	35.5	33.987	21.0	348	75	106	143	
		GTP16 N2	40	39.375	19.0	315	75	106	143	
N3	1500	GTP16 N3	140	143.08	10.7	180	52	74	100	
		GTP16 N3	160	161.73	9.4	158	52	74	100	
		GTP16 N3	180	187.37	8.3	140	52	74	100	
		GTP16 N3	200	204.45	7.5	126	52	74	100	
		GTP16 N3	225	225.98	6.7	112	52	74	100	
		GTP16 N3	250	253.97	6.0	101	52	74	100	
		GTP16 N3	280	291.84	5.4	90	52	74	100	
	1000	GTP16 N3	140	143.08	7.1	120	52	74	100	
		GTP16 N3	160	161.73	6.3	105	52	74	100	
		GTP16 N3	180	187.37	5.6	93	52	74	100	
		GTP16 N3	200	204.45	5.0	84	52	74	100	
		GTP16 N3	225	225.98	4.4	75	52	74	100	
		GTP16 N3	250	253.97	4.0	67	52	74	100	
		GTP16 N3	280	291.84	3.6	60	52	74	100	
	750	GTP16 N3	140	143.08	5.4	90	52	74	100	
		GTP16 N3	160	161.73	4.7	79	52	74	100	
		GTP16 N3	180	187.37	4.2	70	52	74	100	
		GTP16 N3	200	204.45	3.8	63	52	74	100	
		GTP16 N3	225	225.98	3.3	56	52	74	100	
		GTP16 N3	250	253.97	3.0	50	52	74	100	
		GTP16 N3	280	291.84	2.7	45	52	74	100	
	L2	1500	GTP16 L2	31.5	31.4135	47.6	806	52	74	100
			GTP16 L2	35.5	34.3835	42.3	716	52	74	100
			GTP16 L2	40	38.1635	37.5	635	52	74	100
GTP16 L2			45	41.834	33.3	565	52	74	100	
GTP16 L2			50	48.6818	30.0	508	52	74	100	
GTP16 L2			56	53.8062	26.8	454	52	74	100	
GTP16 L2			63	61.8068	23.8	403	52	74	100	
GTP16 L2			71	67.2113	21.1	358	52	74	100	
GTP16 L2			80	77.0497	18.8	318	52	74	100	
GTP16 L2			90	83.2657	16.7	282	52	74	100	
GTP16 L2		100	94.8304	15.0	254	52	74	100		
1000		GTP16 L2	31.5	31.4135	31.7	538	52	74	100	
		GTP16 L2	35.5	34.3835	28.2	477	52	74	100	
		GTP16 L2	40	38.1635	25.0	423	52	74	100	
		GTP16 L2	45	41.834	22.2	376	52	74	100	
		GTP16 L2	50	48.6818	20.0	339	52	74	100	
		GTP16 L2	56	53.8062	17.9	302	52	74	100	
	GTP16 L2	63	61.8068	15.9	269	52	74	100		
GTP16 L2	71	67.2113	14.1	239	52	74	100			