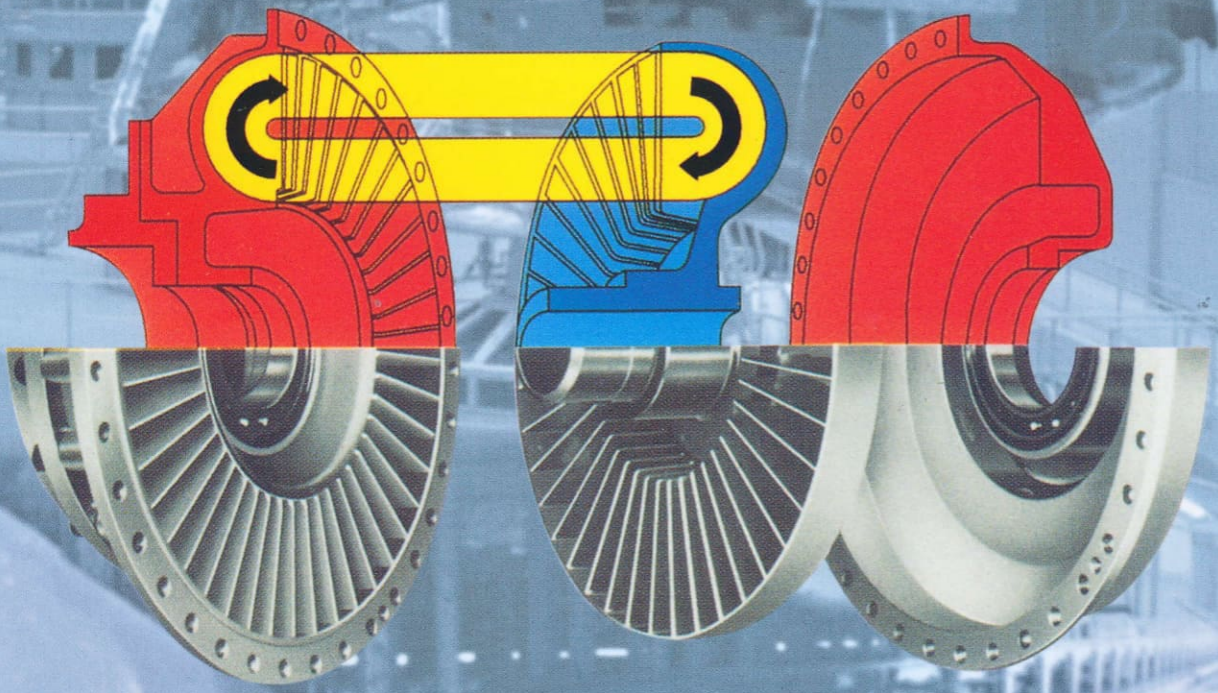
广东省著名商标

广东省名牌产品

# 限矩型液力偶合器

## CONSTANT FILLING FLUID COUPLINGS

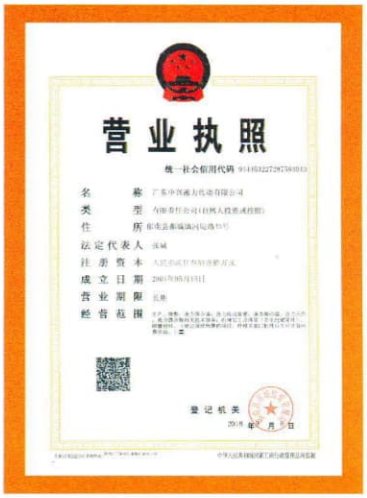
中兴液力



2019版

广东中兴液力传动有限公司

GUANGDONG ZHONGXING POWER TRANSMISSION CO., LTD.




**广东中兴液力传动有限公司**是一家集研制、开发、生产、销售液力传动产品的专业厂家，是承担国家级火炬计划——高效节能液力偶合器项目的单位和高新技术企业，省级企业技术中心，广东省装备制造业100家重点培育企业，组建有广东省的液力传动工程技术研究开发中心。公司位于素有“黄金水道”之称珠江主流——西江中游之畔，东距广州市200公里，西距广西梧州市60公里，新建南广高速铁路，广梧高速公路绕城而过，水陆交通十分方便。

工厂创建于1958年，1985年开始研制生产液力传动产品，1994年9月，与具有“世界液力之王”称誉的德国福伊特公司（VOITH）合资，成立广东福伊特中兴液力传动有限公司，2001年6月，按国家体制改革要求转制为广东中兴液力传动有限公司。

企业现有资产总额1亿3千万元，工厂占地面积56,000平方米，其中有占地32,000平方米、设置有先进的成套树脂砂生产线和低压铸造的铸造分厂，公司主要生产设备350余台，其中有从德国进口的加工中心、数控机床、立式动平衡机及产品性能试验台等设备10多台（套）。公司具有年生产液力传动产品10000多台（套），铸铝2,200吨，铸铁2,800吨的生产能力。现年销售收入超过1.5亿元。公司现有员工530人，各类专业技术人员170余名，高级专业技术人员15人。

公司主要产品有限矩型液力偶合器、调速型液力偶合器、液力偶合器传动装置、带式输送机保护装置等。产品主要应用于冶金、钢铁、电力、煤炭、船舶、港口、建筑、建材、化工、轻工等行业的风机类 水泵类、带式输送机、起重机、球磨机、磨煤机、破碎机、游艺机、皮革机械、离心机等机械设备上。具有改善电动机的起动性能，防止过载，隔离扭振，均衡负荷，改善动力机与工作机的匹配性能；调速型偶合器还具有无级调速、达到良好的节电效果，而且能实现遥控，自动控制等优点。产品在20世纪90年代初就已经出口到香港、马来西亚、越南、印尼、泰国、韩国、孟加拉、东南亚各国和地区，远销欧洲、澳大利亚、南非等国家。

公司在广州、北京、上海、沈阳、成都、郑州、武汉、济南等大城市设有销售和服务网点，随时为您提供优质、快捷、周到的服务。我们始终发扬“团结、求实、拼搏、进取”的精神，竭诚为广大用户提供性能优良 质量可靠的高效节能液力传动产品和一流的服务。

Guangdong Zhongxing Power Transmission co., Ltd. is a special manufacturer of power transmission components , which undertakes the National Torch Project--High Efficient Energy-saving Hydrodynamic Couplings. It is entitled the High & New Technology Enterprise by Province. It is a modern joint-stock company after the style reform according to the request of country. Located by the bank of West River--main branch of Pearl River, the company shares convenient transportation: 200 Kms away from Guangzhou, the provincial capital and 60 Kms from Wuzhou city of Guangxi Province and with close access to the 321 national Highway, Nanning-Guangzhou High-speed Railway and Guangzhou-Wuzhou Highway Express.

The factory was found in 1958 , and started producing hydrodynamic couplings since 1985 . A JV--Voith Zhongxing Power Transmission Co.,Ltd. was built in 1994 by Zhongxing Machinery Factory and the German Partner " Voith Turbo GmbH & Co KG" , the famous"International Hydrodynamic King" . According to the Equity Transfer Agreement signed by both shareholders and the request of style reform, the JV was renamed"Guangdong Zhongxing Power Transmission Co.,Ltd".

The total asset of the company has reached RMB 130,000,000.The factory`s coverage is about 56,000m$^2$ , including a foundry covering 32,000m$^2$ equipped with modern resin sand production line. There are more than 350 sets of machinery, inclusive of over 10 sets of machining center, CNC and balancing machine and test stand imported from Germany. The annual productivity of factory has achieved 10000 sets hydrodynamic components , 2200T aluminum castings and 2800T iron castings. The annual turnover has achieved RMB150,000,000. The company has 530 employees, 150 among which are professional engineers and 15 are senior engineers.

The main products are constant filling fluid couplings, variable speed couplings , coupling transmission device and protecting device for belt conveyor, etc., Our products are mainly used on fans, pumps, belt conveyor, crusher, coal grinding machine, leather machine in metallurgy, steel plant, power plant, coal mines, marine, port, construction, chemical industries. They have the advantages of improving the startup performance, overload protection, segregating the shock & vibration, adjusting the speed and balancing the load ,etc. The products had been exported to Hong Kong, Malaysia, Viet Nam, Japan, Australia and South Africa since 1990`s.

The company has sales offices in Guangzhou, Beijing, Shanghai, Shengyang , Chengdu, Zhengzhou and Jinan to provide you the quick, excellent and considerate service. We are eager to provide you with good quality products and excellent service in our spirit of"UNITE,REALISTIC,HARD WORK and ENTERPRISE".



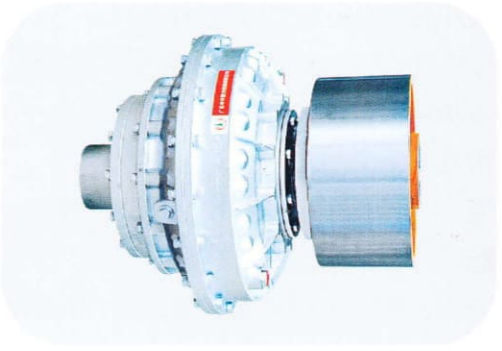
型式:YOX



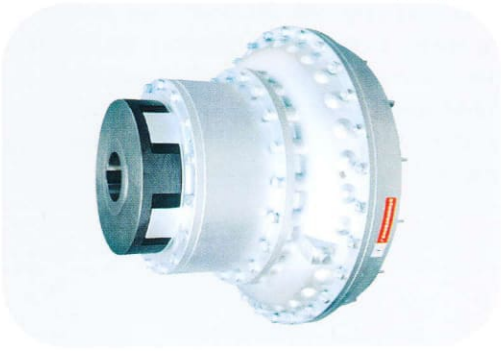
型式:YOP



型式:YOXn



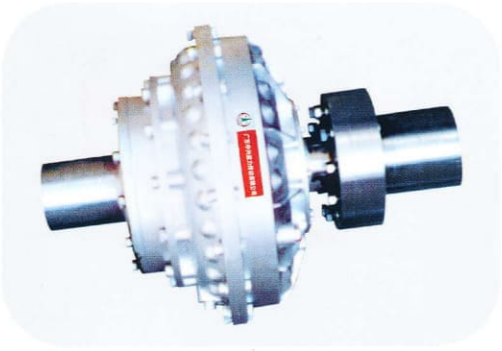
型式:YOX$_{II}$z



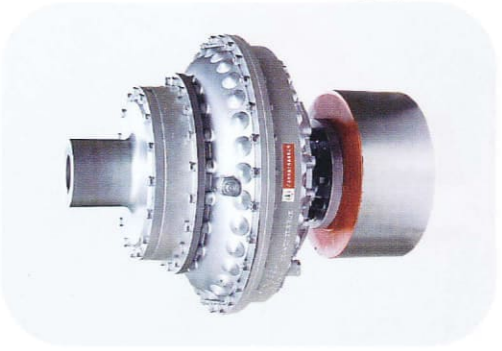
型式:YOXv



型式:YOXnz



型式:YOX$_{A}$



型式:YOX$_{Az}$



型式:YOX$_{SO}$



型式:YOXvs

## 一、工作原理：

YOX系列限矩型液力偶合器工作原理：使偶合器工作腔内充入一定量的工作液（一般为32号透平油），工作 轮泵轮从电动机上获得机械能，并转化为液体动能，推动涡轮旋转，涡轮把 液体动能转化为机械能，通过输出轴带动工作机工作，周而复始，实现了从原动机到工作机之间的能量传递。

## 二、特点：

1、保护电动机和提高鼠笼式电机启动能力。

2、缩短电动机启动时间,减少起动过程中的平均电流。

3、减少起动的冲击和振动，防止动力过载。

4、在多机驱动系统中，能均衡各电机的负载。

5、结构简单，可靠，无机械磨损，无需特殊维护。

## 三、用途：

胶带输送机，刮板输送机，链式输送机，螺旋输送机，挖掘机,斗轮挖掘机，各种提升机，球磨机，破碎机，磨煤机，塔式起重机，门式起重机，桥式起重机，斗轮堆取料机，离心机，洗涤机，制革转鼓,游艺机，搅拌机，拉丝机，炼胶机，注塑机，挤出机,预加水成球机，锅炉碎渣机等。

## Operation Principle

The YOX series constant filling fluid couplings are operating in the following principle: The rotating part consists of two bladed wheels –a Pump Wheel and a Turbine Wheel, the space between them is partially filled with a working fluid (#32 Turbine oil in general) . The pump Wheel is driven by motor, the rotating wheel brings the fluid into rotation and thus convert input mechanical energy into fluid energy, back to mechanical energy .

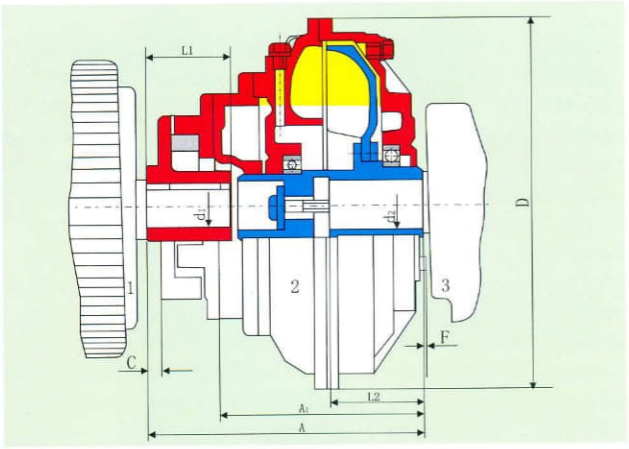
## Features are showed as following:

1. Protecting electric motor and improving ability of the electric motor.
2. Shortening the period of startup; reducing average electric current during the starting process.
3. Lessening shock and vibration in startup Proven ting overload.
4. Balacing loads of each motor in multi–motor drive system.
5. Simple reliable structure. No machanical wear. No need for special maintenance.

## Applications:

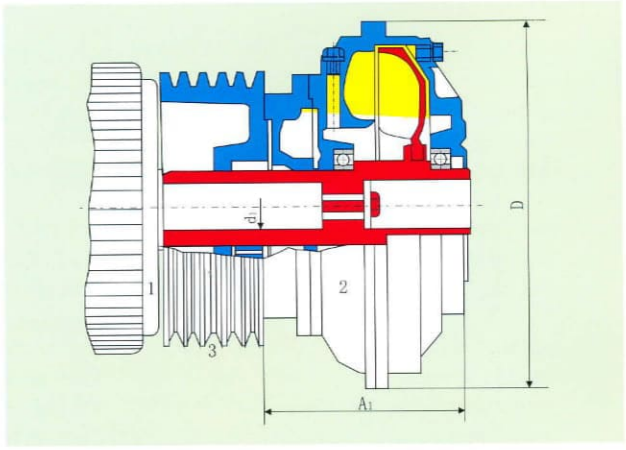
Belt conveyor. AFC conveyor. Chain conveyor. Screw conveyor. Exca vators. Bucker wheel. Excavator. Bucket conveyor. Grinding mill. Crusher Coal planer. Tower crane. Gantry crane. Bridge crane. Blender equipment. centrifuger. Washer. Leather–making machine. machine for recreation park mixer wire drawing machine. Extruder. dregs crusher of boiler. roller of leather Making machine. plastic feeder. Rubber smelting machine.etc.

## 四、YOX型结构图
## Structural Drawings of YOX types.




传动形式一
YOX 单腔外轮驱动型
1.电动机
2.液力偶合器
3.减速器

Transmission I
YOX single cavity external– wheel –drive type
1. Electric motor
2. Constant filling fluid couplings
3. Reducer




传动形式二:
YOXn 单腔内轮驱动型
1.电动机
2.液力偶合器
3.皮带轮

Transmission II
YOXn single cavity internal–wheel–drive type
1.Electric motor
2.Constant filling fluid couplings
3.Pulley

## 主要技术参数:(包括YOX,YOXⅡ,YOXn)

## Main technical data:(Including YOX, YOX II, YOXn)

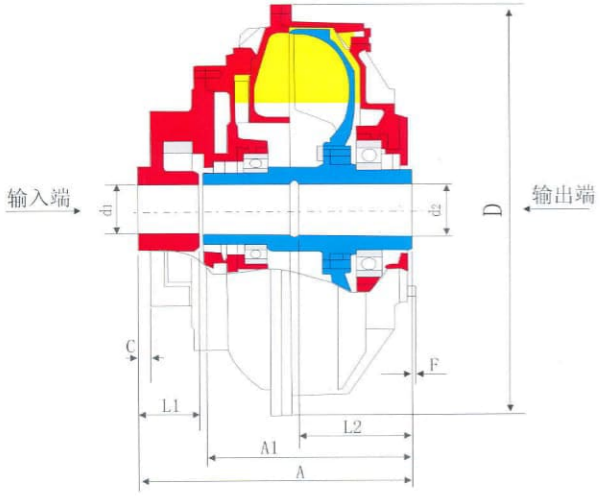
| 国家标准型号 Chinese standard type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Tg Over load Coeff | | 效率 Effic iency η | 外型尺寸 Dimensions (mm) | | | | | 最大输入孔径及长度 (mm) dmax / Lmax | 最大输出孔径及长度 (mm) dmax / Lmax | 充油量q(1) Volume of filling oil | | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 startup | 制动 brake | | D | A | $A_1$ | C | F | | | qmin (1) 40% | qmax (1) 80% | |
| YOX180 | 1000 | 0.1-0.3 | 2-2.7 | 2-2.7 | 0.97 | Ø232 | 205 | 125 | 40 | — | Ø30 / 50 | Ø25 / 50 | 0.24 | 0.48 | 7 |
| | 1500 | 0.5-1.1 | | | | | | | | | | | | | |
| YOX200 | 1000 | 0.2-0.55 | 2-2.7 | 2-2.7 | 0.97 | Ø254 | 193 | 128 | 25 | — | Ø35 / 60 | Ø30 / 60 | 0.6 | 1.2 | 8.8 |
| | 1500 | 0.8-2.2 | | | | | | | | | | | | | |
| YOX220 | 1000 | 0.4-1.1 | 2-2.7 | 2-2.7 | 0.97 | Ø278 | 226 | 136 | 50 | — | Ø40 / 80 | Ø35 / 80 | 0.76 | 1.52 | 13 |
| | 1500 | 1.5-3 | | | | | | | | | | | | | |
| YOX250 | 1000 | 0.8-1.5 | 2-2.7 | 2-2.7 | 0.97 | Ø305 | 241 | 156 | 35 | — | Ø45 / 80 | Ø40 / 80 | 1.1 | 2.1 | 16 |
| | 1500 | 2.5-5.5 | | | | | | | | | | | | | |
| YOX280 | 1000 | 1.5-3 | 2-2.7 | 2-2.7 | 0.97 | Ø345 | 254 | 164 | 35 | — | Ø50 / 80 | Ø45 / 110 | 1.4 | 2.8 | 21 |
| | 1500 | 4.5-8 | | | | | | | | | | | | | |
| YOX320 | 1000 | 2.5-5.5 | 2-2.7 | 2-2.7 | 0.97 | Ø380 | 279 | 179 | 35 | — | Ø55 / 110 | Ø45 / 110 | 2.2 | 4.4 | 28 |
| | 1500 | 9-18.5 | | | | | | | | | | | | | |
| YOX340 | 1000 | 3-9 | 2-2.7 | 2-2.7 | 0.97 | Ø390 | 296 | 187 | 35 | 2 | Ø55 / 110 | Ø50 / 110 | 2.7 | 5.3 | 36.5 |
| | 1500 | 12-22 | | | | | | | | | | | | | |
| YOX360 | 1000 | 5-10 | 1.5-1.8 | 2-2.5 | 0.96 | Ø428 | 308 | 229 | 10 | 3 | Ø60 / 110 | Ø55 / 110 | 3.4 | 6.7 | 42 |
| | 1500 | 16-30 | | | | | | | | | | | | | |
| YOX400 | 1000 | 8-18.5 | 1.5-1.8 | 2-2.5 | 0.96 | Ø472 | 338/353 | 256 | 5/20 | 4 | Ø70 / 110/140 | Ø60 / 140 | 5.2 | 10.4 | 65 |
| | 1500 | 28-48 | | | | | | | | | | | | | |
| YOX450 | 1000 | 15-30 | 1.5-1.8 | 2-2.5 | 0.96 | Ø530 | 385 | 292 | 10 | 6 | Ø75 / 140 | Ø70 / 140 | 7.5 | 15 | 79.5 |
| | 1500 | 50-90 | | | | | | | | | | | | | |
| YOX500 | 1000 | 25-50 | 1.5-1.8 | 2-2.5 | 0.96 | Ø582 | 435 | 316 | 30 | 5 | Ø90 / 170 | Ø90 / 170 | 10.3 | 20.5 | 105.5 |
| | 1500 | 68-144 | | | | | | | | | | | | | |
| YOX560 | 1000 | 40-80 | 1.5-1.8 | 2-2.5 | 0.96 | Ø634 | 449/490 | 350 | 5/45 | 7 | Ø100 / 170/210 | Ø100 / 210 | 13.2 | 26.4 | 152 |
| | 1500 | 120-270 | | | | | | | | | | | | | |
| YOX600 | 1000 | 60-115 | 1.5-1.8 | 2-2.5 | 0.96 | Ø695 | 490/510 | 380 | 5/25 | 7 | Ø100 / 170/210 | Ø115 / 210 | 16.8 | 33.6 | 185 |
| | 1500 | 200-360 | | | | | | | | | | | | | |
| YOX650 | 1000 | 90-176 | 1.5-1.8 | 2-2.5 | 0.96 | Ø760 | 558 | 425 | 25 | 6 | Ø120 / 210 | Ø130 / 210 | 24 | 48 | 230 |
| | 1500 | 260-480 | | | | | | | | | | | | | |
| YOX750 | 1000 | 170-330 | 1.5-1.8 | 2-2.5 | 0.96 | Ø860 | 578 | 450 | 0 | 2 | Ø120 / 210 | Ø140 / 210 | 34 | 68 | 350 |
| | 1500 | 380-760 | | | | | | | | | | | | | |
| YOX875 | 750 | 145-280 | 1.5-1.8 | 2-2.5 | 0.96 | Ø992 | 705 | 514 | 55 | 7 | Ø150 / 250 | Ø150 / 250 | 56 | 112 | 495 |
| | 1000 | 330-620 | | | | | | | | | | | | | |
| | 1500 | 760-1100 | | | | | | | | | | | | | |
| YOX1000 | 600 | 160-300 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1138 | 735 | 577 | 0 | 3 | Ø160 / 250 | Ø160 / 280 | 74 | 148 | 650 |
| | 750 | 260-590 | | | | | | | | | | | | | |
| YOX1150 | 600 | 265-615 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1312 | 848 | 669 | 10 | 3 | Ø170 / 300 | Ø170 / 300 | 85 | 170 | 810 |
| | 750 | 525-1195 | | | | | | | | | | | | | |
| YOX1250 | 500 | 235-540 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1420 | 942 | 767 | 10 | 4 | Ø200 / 300 | Ø200 / 300 | 110 | 210 | 960 |
| | 600 | 400-935 | | | | | | | | | | | | | |
| | 750 | 800-1800 | | | | | | | | | | | | | |
| YOX1320 | 500 | 315-710 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1500 | 1052 | 855 | 95 | — | Ø210 / 320 | Ø210 / 320 | 128 | 230 | 1080 |
| | 600 | 650-1200 | | | | | | | | | | | | | |
| | 750 | 1050-2360 | | | | | | | | | | | | | |

说明：YOX 为限矩型液力偶合器通用结构型式，一般延长工作机起动时间为10-22秒。

Notes: YOX are the normal type with 10-22S startup time.

# 五、YOP型结构图及主要技术参数:

## YOP Type Structural Drawing and Main Technical Data:




传动形式三:
YOP单腔外
轮驱动型

Transmission Ⅲ
YOP single cavity external-wheel-drive type

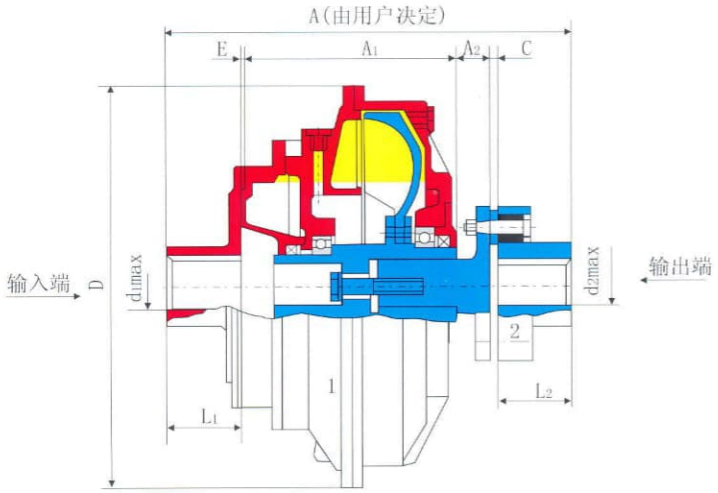
说明: 1.此结构为普通型液力偶合器，启动力矩大，用于只需解决启动困难、隔离冲击、扭振的工作机;
2.起动时间为10~17秒。

Notes: 1. This structure for regular hydraulic coupling ware, start torque and solve difficulties for just start, isolation shock, torsional vibration of work machine,
2. start-up time for 10 ~ 17 seconds.

| 国家标准型号 Chinese standard type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Tg Over load Coeff | | 效率 Effic iency η | 外型尺寸 Dimensions (mm) | | | | | 最大输入孔径及长度 (mm) dmax / Lmax | 最大输出孔径及长度 (mm) dmax / Lmax | 充油量q(l) Volume of filling oil | | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 startup | 制动 brake | | D | A | $A_1$ | C | F | | | qmin (1) 40% | qmax (1) 80% | |
| YOP200 | 1000 | 0.2-0.55 | 2-2.7 | 2-2.7 | 0.97 | Ø254 | 193 | 128 | 25 | — | Ø35 / 60 | Ø30 / 60 | 0.6 | 1.2 | 8.8 |
| | 1500 | 0.8-2.2 | | | | | | | | | | | | | |
| YOP220 | 1000 | 0.4-1.1 | 2-2.7 | 2-2.7 | 0.97 | Ø278 | 226 | 136 | 50 | — | Ø40 / 80 | Ø35 / 80 | 0.76 | 1.52 | 13 |
| | 1500 | 1.5-3 | | | | | | | | | | | | | |
| YOP250 | 1000 | 0.8-1.5 | 2-2.7 | 2-2.7 | 0.97 | Ø305 | 241 | 156 | 35 | — | Ø45 / 80 | Ø40 / 80 | 1.1 | 2.1 | 16 |
| | 1500 | 2.5-5.5 | | | | | | | | | | | | | |
| YOP280 | 1000 | 1.5-3 | 2-2.7 | 2-2.7 | 0.97 | Ø345 | 254 | 164 | 35 | — | Ø50 / 80 | Ø45 / 110 | 1.4 | 2.8 | 21 |
| | 1500 | 4.5-8 | | | | | | | | | | | | | |
| YOP320 | 1000 | 2.5-5.5 | 2-2.7 | 2-2.7 | 0.97 | Ø380 | 279 | 179 | 35 | — | Ø55 / 110 | Ø45 / 110 | 2.2 | 4.4 | 28 |
| | 1500 | 9-18.5 | | | | | | | | | | | | | |
| YOP340 | 1000 | 3-9 | 2-2.7 | 2-2.7 | 0.97 | Ø390 | 296 | 187 | 35 | 2 | Ø55 / 110 | Ø50 / 110 | 2.7 | 5.3 | 36.5 |
| | 1500 | 12-22 | | | | | | | | | | | | | |
| YOP360 | 1000 | 5-10 | 2-2.7 | 2-2.5 | 0.96 | Ø428 | 309 | 229 | 50 | 3 | Ø60 / 110 | Ø55 / 110 | 2.9 | 5.8 | 42 |
| | 1500 | 16-30 | | | | | | | | | | | | | |
| YOP400 | 1000 | 8-18.5 | 2-2.7 | 2-2.5 | 0.96 | Ø472 | 319/349 | 256 | 35/65 | 4 | Ø70 / 110/140 | Ø60 / 140 | 4.4 | 8.8 | 65 |
| | 1500 | 28-48 | | | | | | | | | | | | | |
| YOP450 | 1000 | 15-30 | 2-2.7 | 2-2.5 | 0.96 | Ø530 | 383 | 292 | 70 | 6 | Ø75 / 140 | Ø70 / 140 | 6.7 | 13.4 | 79.5 |
| | 1500 | 50-90 | | | | | | | | | | | | | |
| YOP500 | 1000 | 25-50 | 2-2.7 | 2-2.5 | 0.96 | Ø582 | 408/433 | 316 | 70/95 | 5 | Ø90 / 170 | Ø90 / 170 | 8.5 | 17 | 105.5 |
| | 1500 | 68-144 | | | | | | | | | | | | | |
| YOP560 | 1000 | 40-80 | 2-2.7 | 2-2.5 | 0.96 | Ø634 | 446/491 | 350 | 80/125 | 7 | Ø100 / 170/210 | Ø100 / 210 | 11.6 | 23.2 | 152 |
| | 1500 | 120-270 | | | | | | | | | | | | | |
| YOP600 | 1000 | 60-115 | 2-2.7 | 2-2.5 | 0.96 | Ø695 | 490/510 | 380 | 85/105 | 7 | Ø100 / 170/210 | Ø115 / 210 | 14 | 28 | 185 |
| | 1500 | 200-360 | | | | | | | | | | | | | |
| YOP650 | 1000 | 90-176 | 2-2.7 | 2-2.5 | 0.96 | Ø760 | 557 | 425 | 110 | 6 | Ø120 / 210 | Ø130 / 210 | 20 | 40 | 230 |
| | 1500 | 260-480 | | | | | | | | | | | | | |
| YOP750 | 1000 | 170-330 | 2-2.7 | 2-2.5 | 0.96 | Ø860 | 578 | 358 | 90 | 2 | Ø120 / 210 | Ø140 / 210 | 28 | 56.4 | 212 |
| | 1500 | 380-760 | | | | | | | | | | | | | |
| YOP875 | 750 | 145-280 | 2-2.7 | 2-2.5 | 0.96 | Ø992 | 703 | 422 | 145 | 7 | Ø150 / 250 | Ø150 / 250 | 47.6 | 95 | 450 |
| | 1000 | 330-620 | | | | | | | | | | | | | |
| | 1500 | 760-1100 | | | | | | | | | | | | | |
| YOP1000 | 600 | 160-300 | 2-2.7 | 2-2.5 | 0.96 | Ø1138 | 733 | 460 | 115 | 3 | Ø160 / 250 | Ø160 / 280 | 74 | 148 | 630 |
| | 750 | 260-590 | | | | | | | | | | | | | |
| YOP1150 | 600 | 265-615 | 2-2.7 | 2-2.5 | 0.96 | Ø1312 | 848 | 529 | 150 | 3 | Ø170 / 300 | Ø170 / 300 | 85 | 170 | 810 |
| | 750 | 525-1195 | | | | | | | | | | | | | |
| YOP1250 | 500 | 235-540 | 2-2.7 | 2-2.5 | 0.96 | Ø1420 | 942 | 593 | 180 | 4 | Ø200 / 300 | Ø200 / 300 | 110 | 210 | 960 |
| | 600 | 400-935 | | | | | | | | | | | | | |
| | 750 | 800-1800 | | | | | | | | | | | | | |
| YOP1320 | 500 | 315-710 | 2-2.7 | 2-2.5 | 0.96 | Ø1500 | 1050 | 590 | 180 | — | Ø210 / 320 | Ø210 / 320 | 128 | 230 | 1300 |
| | 600 | 650-1200 | | | | | | | | | | | | | |
| | 750 | 1050-2360 | | | | | | | | | | | | | |

# 六、YOXA型结构图及主要技术参数:

## YOXA Type Structural Drawing and Main Technical Data:




传动形式四:

单腔型外轮驱动带弹性套柱销联轴器

1、液力偶合器

2、弹性套柱销联轴器

这种传动形式，装拆方便。

Transmission IV

Single cavity outer-wheel drive type with shaft coupling pin in elastic sleave.

1. Constant filling fluid couplings
2. Shaft coupling with pin in elastic sleave

This form is easy to be assembled and disassmbled

| 规格型号 Specfication Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Over load Coeff Tg 起动 start | 过载系数 Over load Coeff Tg 制动 brake | 效率 Effic iency η | 外型尺寸 Dimensions (mm) D | A1 | A2 | C | E | 最大输入孔径及长度 Max Input bore diameter & length dmax / Lmax | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave GB4323-84 Type | d2max | L2max / L3max | 充油量q (l) Volume of filling oil 40% qmin | 80% qmax | 重量 Weight p(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXA360 | 1000 | 5 - 10 | 1.5-1.8 | 2-2.5 | 0.96 | Ø428 | 229 | 55 | 8 | 6 | Ø55 / 110 | TL5 | Ø55 | 112 | 3.4 | 6.7 | 50 |
| | 1500 | 16 - 30 | | | | | | | | | | TL6 | | | | | |
| YOXA400 | 1000 | 8 - 18.5 | 1.5-1.8 | 2-2.5 | 0.96 | Ø472 | 256 | 65 | 8 | 6 | Ø65 / 140 | TL6 | Ø65 | 142 | 5.2 | 10.4 | 78 |
| | 1500 | 28 - 48 | | | | | | | | | | TL7 | | | | | |
| YOXA450 | 1000 | 15 - 30 | 1.5-1.8 | 2-2.5 | 0.96 | Ø530 | 292 | 65 | 8 | 6 | Ø75 / 140 | TL7 | Ø75 | 142 | 7.5 | 15 | 96 |
| | 1500 | 50 - 90 | | | | | | | | | | TL8 | | | | | |
| YOXA500 | 1000 | 25 - 50 | 1.5-1.8 | 2-2.5 | 0.96 | Ø582 | 316 | 85 | 10 | 6 | Ø95 / 170 | TL8 | Ø95 | 172 | 10.3 | 20.5 | 128 |
| | 1500 | 68 - 144 | | | | | | | | | | TL10 | | | | | |
| YOXA560 | 1000 | 40 - 80 | 1.5-1.8 | 2-2.5 | 0.96 | Ø634 | 350 | 85 | 10 | 6 | Ø120 / 210 | TL9 | Ø120 | 212 | 13.2 | 26.4 | 183 |
| | 1500 | 120 - 270 | | | | | | | | | | TL10 | | | | | |
| YOXA600 | 1000 | 60 - 115 | 1.5-1.8 | 2-2.5 | 0.96 | Ø695 | 380 | 110 | 12 | 8 | Ø120 / 210 | TL10 | Ø120 | 212 | 16.8 | 33.6 | 222 |
| | 1500 | 200 - 360 | | | | | | | | | | TL11 | | | | | |
| YOXA650 | 1000 | 90 - 176 | 1.5-1.8 | 2-2.5 | 0.96 | Ø760 | 425 | 110 | 12 | 8 | Ø150 / 250 | TL10 | Ø150 | 252 | 24 | 48 | 276 |
| | 1500 | 260 - 480 | | | | | | | | | | TL11 | | | | | |
| YOXA750 | 1000 | 170 - 330 | 1.5-1.8 | 2-2.5 | 0.96 | Ø860 | 450 | 125 | 12 | 8 | Ø150 / 250 | TL11 | Ø150 | 252 | 34 | 68 | 420 |
| | 1500 | 380 - 760 | | | | | | | | | | TL12 | | | | | |
| YOXA875 | 750 | 140 - 280 | 1.5-1.8 | 2-2.5 | 0.96 | Ø992 | 514 | 125 | 12 | 8 | Ø150 / 250 | TL11 | Ø150 | 252 | 56 | 112 | 594 |
| | 1000 | 330 - 620 | | | | | | | | | | TL12 | | | | | |
| YOXA1000 | 600 | 160 - 300 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1138 | 579 | 150 | 15 | 10 | Ø150 / 250 | TL12 | Ø150 | 252 | 74 | 147 | 780 |
| | 750 | 260 - 590 | | | | | | | | | | TL13 | | | | | |

说明:此结构的特点为:

1、安装后需拆卸偶合器时，不用移动电机和减速机，只需拆去弹性柱销和连接盘与偶合器的联接螺栓，再将偶合器向输出端移动便可吊出。

2、更换弹性胶块和偶合器十分方便。

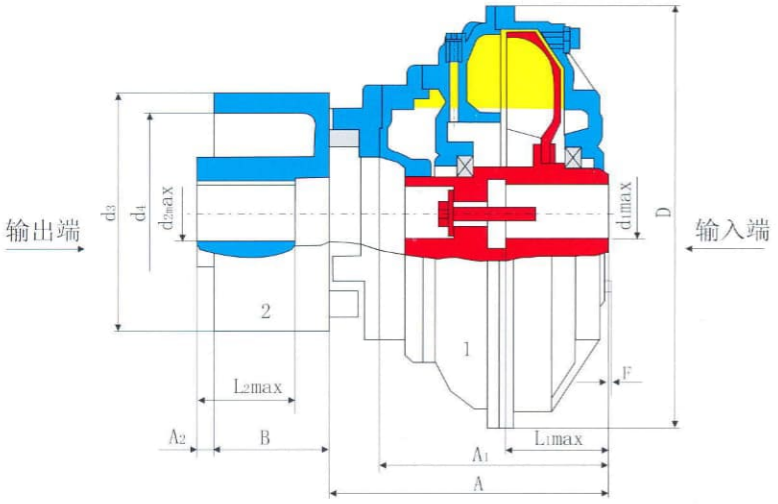
Notes: This form has following features:

1.It dose n't need to move motor and reducer during dismounting couplings. It only needs to remove the flexible pin and bolt which connects the terminal area and couplings, then move couplings towards output to hang it up.

2.It is very convenient for replacing elastic block and couplings.

## 七、YOXnz型结构图及主要技术参数:

## YOXnz Type Structural Drawing and Main Technical Data:




传动形式五:

单腔内轮驱动带制动轮型

1. 液力偶合器 2. 制动轮

这种传动形式适用于带制动机构的驱动单元，使其结构简单，紧凑。

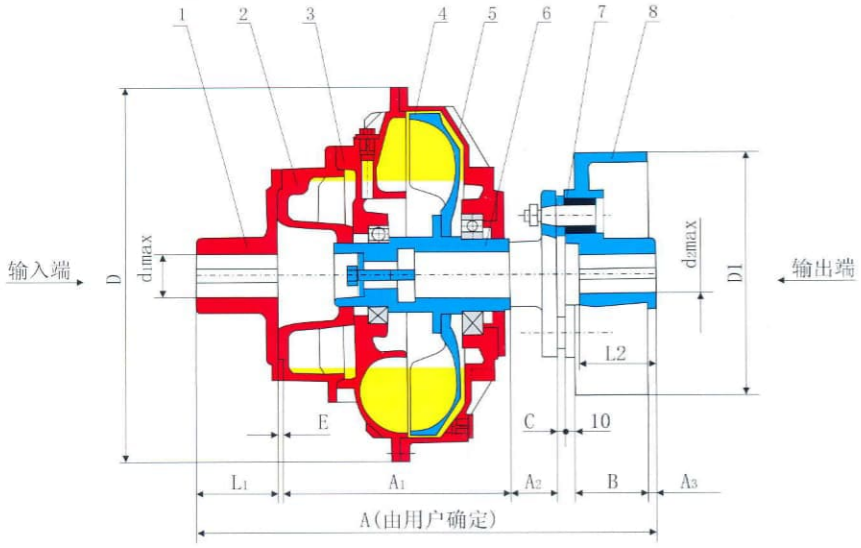
Transmission V

Single cavity inner-wheel drive type with brake wheel 1.constant filling fluid coupling 2.Brake wheel This form is suitable for a driven unit with brake structure. Which makes it simple and well-knit. This form is the type in structures with brake wheel.

| 规格型号 Specification type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Over load coeff Tg | | 效率 Effic iency | 外型尺寸 Dimensions (mm) | | | | | 最大输入孔径及长度 Max. Input bore diameter & Length $\frac{d_1max}{L_1max}$ | 最大输出孔径及长度 Max. output bore diameter & Length $\frac{d_2max}{L_2max}$ | 制动轮外形尺寸 Dimensions of brake wheel | | | 充油量q(1) Volume of filling oil | | 重量 Weight 不含制动轮 p(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | η | D | A | A1 | A2 | F | | | d3 | d4 | B | 40% qmin | 80% qmax | |
| YOXnz200 | 1000 | 0.2 - 0.55 | 2 - 2.7 | 2-2.7 | 0.97 | Ø254 | 158 | 128 | 10 | — | Ø 30 / 60 | Ø 35 / 60 | 按用户提供尺寸加工 | | | 0.6 | 1.2 | 7 |
| | 1500 | 0.8 - 2 | | | | | | | | | | | | | | | | |
| YOXnz220 | 1000 | 0.4 - 1.1 | 2 - 2.7 | 2-2.7 | 0.97 | Ø278 | 166 | 136 | 10 | — | Ø 35 / 80 | Ø 40 / 80 | | | | 0.8 | 1.6 | 11 |
| | 1500 | 1.5 - 3 | | | | | | | | | | | | | | | | |
| YOXnz250 | 1000 | 0.8 - 1.5 | 2 - 2.7 | 2-2.7 | 0.97 | Ø305 | 196 | 156 | 10 | — | Ø 40 / 80 | Ø 45 / 80 | | | | 1.1 | 2.2 | 13 |
| | 1500 | 2.5 - 5 | | | | | | | | | | | | | | | | |
| YOXnz280 | 1000 | 1.5 - 3 | 2 - 2.7 | 2-2.7 | 0.97 | Ø345 | 207 | 162 | 10 | — | Ø 45 / 110 | Ø 50 / 80 | | | | 1.4 | 2.8 | 16 |
| | 1500 | 4.5 - 8 | | | | | | | | | | | | | | | | |
| YOXnz320 | 1000 | 2.5 - 5.5 | 2 - 2.7 | 2-2.7 | 0.97 | Ø380 | 228 | 179 | 10 | — | Ø 50 / 110 | Ø 55 / 110 | | | | 2.2 | 4.4 | 22 |
| | 1500 | 9 - 18.5 | | | | | | | | | | | | | | | | |
| YOXnz340 | 1000 | 3 - 9 | 2 - 2.7 | 2-2.7 | 0.97 | Ø390 | 247 | 187 | 10 | 2 | Ø 50 / 110 | Ø 55 / 110 | | | | 2.7 | 5.4 | 30 |
| | 1500 | 12 - 22 | | | | | | | | | | | | | | | | |
| YOXnz360 | 1000 | 5 - 10 | 1.5-1.8 | 2-2.5 | 0.96 | Ø428 | 282 | 229 | 10 | 3 | Ø 55 / 110 | Ø 60 / 110 | | | | 3.4 | 6.8 | 35 |
| | 1500 | 16 - 30 | | | | | | | | | | | | | | | | |
| YOXnz400 | 1000 | 8 - 18.5 | 1.5-1.8 | 2-2.5 | 0.96 | Ø472 | 316 | 256 | 10 | 4 | Ø 60 / 140 | Ø 70 / 140 | | | | 5.2 | 10.4 | 56 |
| | 1500 | 28 - 48 | | | | | | | | | | | | | | | | |
| YOXnz450 | 1000 | 15 - 30 | 1.5-1.8 | 2-2.5 | 0.96 | Ø530 | 358 | 292 | 10 | 6 | Ø 70 / 140 | Ø 75 / 140 | | | | 7.5 | 15 | 69 |
| | 1500 | 50 - 90 | | | | | | | | | | | | | | | | |
| YOXnz500 | 1000 | 25 - 50 | 1.5-1.8 | 2-2.5 | 0.96 | Ø582 | 387 | 316 | 15 | 5 | Ø 90 / 170 | Ø 90 / 170 | | | | 10.3 | 20.6 | 88 |
| | 1500 | 68 - 144 | | | | | | | | | | | | | | | | |
| YOXnz560 | 1000 | 48 - 80 | 1.5-1.8 | 2-2.5 | 0.96 | Ø634 | 425 | 350 | 15 | 7 | Ø100 / 210 | Ø 100 / 210 | | | | 13.2 | 26.4 | 130 |
| | 1500 | 120 -270 | | | | | | | | | | | | | | | | |
| YOXnz600 | 1000 | 60 - 115 | 1.5-1.8 | 2-2.5 | 0.96 | Ø695 | 463 | 380 | 15 | 7 | Ø100 / 210 | Ø 100 / 210 | | | | 16.8 | 33.6 | 165 |
| | 1500 | 200 - 360 | | | | | | | | | | | | | | | | |
| YOXnz650 | 1000 | 90 - 176 | 1.5-1.8 | 2-2.5 | 0.96 | Ø760 | 510 | 425 | 15 | 6 | Ø130 / 210 | Ø 130 / 210 | | | | 24 | 48 | 207 |
| | 1500 | 260 - 480 | | | | | | | | | | | | | | | | |
| YOXnz750 | 1000 | 170 - 330 | 1.5-1.8 | 2-2.5 | 0.96 | Ø860 | 548 | 450 | 20 | 2 | Ø150 / 250 | Ø 140 / 250 | | | | 34 | 68 | 314 |
| | 1500 | 380 - 760 | | | | | | | | | | | | | | | | |
| YOXnz875 | 750 | 140 - 280 | 1.5-1.8 | 2-2.5 | 0.96 | Ø992 | 620 | 514 | 20 | 7 | Ø150 / 250 | Ø 150 / 250 | | | | 56 | 112 | 460 |
| | 1000 | 330 - 620 | | | | | | | | | | | | | | | | |
| YOXnz1000 | 600 | 160 - 300 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1138 | 702 | 577 | 20 | 3 | Ø150 / 250 | Ø 150 / 250 | | | | 74 | 148 | 610 |
| | 750 | 260 - 590 | | | | | | | | | | | | | | | | |
| YOXnz1150 | 600 | 265 - 615 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1312 | 780 | 669 | 20 | 3 | Ø170 / 300 | Ø 170 / 300 | | | | 85 | 170 | 760 |
| | 750 | 525 - 1195 | | | | | | | | | | | | | | | | |
| YOXnz1250 | 500 | 235-540 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1420 | 892 | 758 | 25 | 4 | Ø200 / 300 | Ø 200 / 300 | | | | 110 | 210 | 890 |
| | 600 | 400-935 | | | | | | | | | | | | | | | | |
| | 750 | 800-1800 | | | | | | | | | | | | | | | | |
| YOXnz1320 | 500 | 315-710 | 1.5-1.8 | 2-2.5 | 0.96 | Ø1500 | 1015 | 855 | 25 | — | Ø210 / 320 | Ø 210 / 320 | | | | 128 | 230 | 1000 |
| | 600 | 650-1200 | | | | | | | | | | | | | | | | |
| | 750 | 1050-2360 | | | | | | | | | | | | | | | | |

# 八、YOXAZ 型结构图及主要技术参数:

## YOXAZ Type Structural Drawing and Main Technical Data:




传动形式六:

1.连接盘
2.后辅腔
3.泵轮
4.涡轮
5.外壳
6.主轴
7.弹性套柱销联轴器
8.制动轮

Transmisson VI

1.Holding Disc
2.Delay chamber
3.Pump wheel
4.Turbo wheel
5.Shell
6.Shaft
7.Shaft coupling with pin in elastic sleave
8.Brake wheel

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over loadcoeff Tg 起动 start | 过载系数 Over loadcoeff Tg 制动 brake | 效率 Efficiency η | 安装尺寸 Dimensions (mm) D | $A_1$ | $A_2$ | C | E | 最大输入孔径及长度 Max.Input bore diameter & Lengthdmax/$L_1$max (mm) | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave Type | $d_2$max | $L_2$max | 充油量 (L) Volume offilling oil qmax (L) 40% | qmax (L) 80% | 重量 Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXAZ360 | 1000 | 5 - 10 | 1.5-1.8 | 2-2.5 | 0.96 | φ428 | 229 | 55 | 8 | 6 | φ55 | TL5 | φ55 | 112 | 3.4 | 6.7 | 50 |
| | 1500 | 16 - 30 | | | | | | | | | 110 | TL6 | | | | | |
| YOXAZ400 | 1000 | 8 - 18.5 | 1.5-1.5 | 2-2.5 | 0.96 | φ472 | 256 | 65 | 8 | 6 | φ65 | TL6 | φ65 | 142 | 5.2 | 10.4 | 78 |
| | 1500 | 28 - 48 | | | | | | | | | 140 | TL7 | | | | | |
| YOXAZ450 | 1000 | 15 - 30 | 1.5-1.8 | 2.-2.5 | 0.96 | φ530 | 292 | 65 | 8 | 6 | φ75 | TL7 | φ75 | 142 | 7.5 | 15 | 96 |
| | 1500 | 50 - 90 | | | | | | | | | 140 | TL8 | | | | | |
| YOXAZ500 | 1000 | 25 - 50 | 1.5-1.8 | 2-2.5 | 0.96 | φ582 | 316 | 85 | 10 | 6 | φ95 | TL8 | φ95 | 172 | 10.3 | 20.6 | 128 |
| | 1500 | 68 - 144 | | | | | | | | | 170 | TL10 | | | | | |
| YOXAZ560 | 1000 | 40 - 80 | 1.5-1.8 | 2-2.5 | 0.96 | φ634 | 350 | 85 | 10 | 6 | φ120 | TL9 | φ120 | 212 | 13.2 | 26.4 | 183 |
| | 1500 | 120 - 270 | | | | | | | | | 210 | TL10 | | | | | |
| YOXAZ600 | 1000 | 60 - 115 | 1.5-1.8 | 2-2.5 | 0.96 | φ695 | 380 | 110 | 12 | 8 | φ120 | TL10 | φ120 | 212 | 16.8 | 33.6 | 222 |
| | 1500 | 200 - 360 | | | | | | | | | 210 | TL11 | | | | | |
| YOXAZ650 | 1000 | 90 - 176 | 1.5-1.8 | 2-2.5 | 0.96 | φ760 | 425 | 110 | 12 | 8 | φ150 | TL10 | φ150 | 252 | 24 | 48 | 276 |
| | 1500 | 260 - 480 | | | | | | | | | 250 | TL11 | | | | | |
| YOXAZ750 | 1000 | 170 - 330 | 1.5-1.8 | 2-2.5 | 0.96 | φ860 | 450 | 125 | 12 | 8 | φ150 | TL11 | φ150 | 252 | 34 | 68 | 420 |
| | 1500 | 380 - 760 | | | | | | | | | 250 | TL12 | | | | | |
| YOXAZ875 | 750 | 140 - 280 | 1.5-1.8 | 2-2.5 | 0.96 | φ992 | 514 | 125 | 12 | 8 | φ150 | TL11 | φ150 | 252 | 56 | 112 | 594 |
| | 1000 | 330 - 620 | | | | | | | | | 250 | TL12 | | | | | |
| YOXAZ1000 | 600 | 160 - 280 | 1.5-1.8 | 2-2.5 | 0.96 | φ1138 | 577 | 150 | 15 | 10 | φ150 | TL11 | φ150 | 252 | 74 | 147 | 780 |
| | 750 | 260 - 590 | | | | | | | | | 250 | TL12 | | | | | |
| YOXAZ1150 | 600 | 265 - 615 | 1.5-1.8 | 2-2.5 | 0.96 | φ1312 | 669 | 150 | 15 | 10 | φ170 | TL12 | φ170 | 302 | 85 | 170 | 972 |
| | 750 | 525 - 1195 | | | | | | | | | 300 | TL13 | | | | | |

说明：此为带制动轮偶合器结构型式,其特点为:

1、安装后需拆卸偶合器时，不用移动电机和减速机，只需拆去弹性柱销和连接盘（1）与后辅腔的联接螺栓,再将偶合器向制动轮端移动便可吊出。

2、更换弹性胶块和偶合器十分方便。

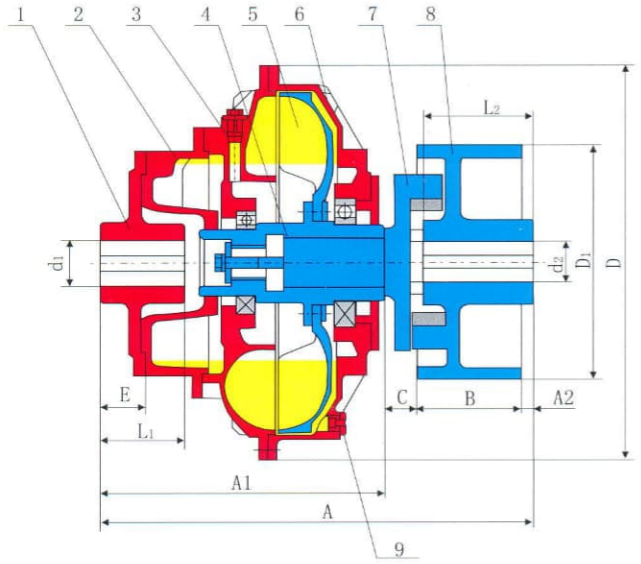
Notes: This form the type in structures with brake wheel has the following features:

1.It dose n't need to move motor and reducer during dismounting couplings. It only needs to remove the flexible pin and bolt which connects The holding disc(1)and delay chamber. Then move couplings towards brake wheel to hang it up.

2.It is very convenient for replacing elastic block and couplings.

## 九、YOXIIZ型结构图及主要技术参数:

## YOXIIZ Type Structural Drawing and Main Technical Data:




传动形式七: Transmisson VII

1.连接盘 1.Holding Disc
2.后辅腔 2.Delay chamber
3.泵轮 3.Outer wheel
4.主轴 4.Hub
5.涡轮 5.Inner wheel
6.外壳 6.Shell
7.连接轴 7.Connection shaft
8.制动轮 8.Brake wheel
9.易熔塞 9.Fusible plug.

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 过载系数 Over load coeff Tg 制动 brake | 效率 Effic iency η | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1$max/$L_1$max | 最大输出孔径及长度 Max. output bore diameter & Length $d_2$max/$L_2$max | 充油量 (L) Volume of filling oil 40% qmin | 充油量 (L) Volume of filling oil 80% qmax | 外型尺寸 Dimensions (mm) A | A1 | D | B | $D_1$ | $A_2$ | C | E | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXIIZ400 | 1000 | 8-18.5 | 1.5-1.8 | 2-2.5 | 0.96 | Ø65/140 | Ø65/140 | 5.2 | 10.4 | 556 | 358 | Ø472 | 150 | Ø315 | 10 | 38 | 101 | 113 |
| | 1500 | 28-48 | | | | | | | | | | | | | | | | |
| YOXIIZ450 | 1000 | 15-30 | 1.5-1.8 | 2-2.5 | 0.96 | Ø75/140 | Ø75/140 | 7.5 | 15 | 580 | 382 | Ø530 | 150 | Ø315 | 10 | 38 | 90 | 128 |
| | 1500 | 50-90 | | | | | | | | | | | | | | | | |
| YOXIIZ500 | 1000 | 25-50 | 1.5-1.8 | 2-2.5 | 0.96 | Ø90/170 | Ø90/170 | 10.3 | 20.5 | 666 | 423 | Ø582 | 190 | Ø400 | 10 | 42 | 107 | 155 |
| | 1500 | 68-144 | | | | | | | | | | | | | | | | |
| YOXIIZ560 | 1000 | 40-80 | 1.5-1.8 | 2-2.5 | 0.96 | Ø100/210 | Ø100/210 | 13.2 | 26.4 | 736 | 491 | Ø634 | 190 | Ø400 | 10 | 42 | 144 | 205 |
| | 1500 | 120-270 | | | | | | | | | | | | | | | | |
| YOXIIZ600 | 1000 | 60-115 | 1.5-1.8 | 2-2.5 | 0.96 | Ø110/210 | Ø110/210 | 16.8 | 33.6 | 790 | 520 | Ø695 | 210 | Ø500 | 15 | 45 | 140 | 260 |
| | 1500 | 200-360 | | | | | | | | | | | | | | | | |
| YOXIIZ650 | 1000 | 90-176 | 1.5-1.8 | 2-2.5 | 0.96 | Ø120/210 | Ø120/210 | 24 | 48 | 829 | 560 | Ø760 | 210 | Ø500 | 15 | 45 | 134 | 385 |
| | 1500 | 260-480 | | | | | | | | | | | | | | | | |
| YOXIIZ750 | 1000 | 170-330 | 1.5-1.8 | 2-2.5 | 0.96 | Ø130/210 | Ø130/210 | 34 | 68 | 940 | 610 | Ø860 | 265 | Ø630 | 15 | 50 | 160 | 488 |
| | 1500 | 380-760 | | | | | | | | | | | | | | | | |
| YOXIIZ875 | 750 | 140-280 | 1.5-1.8 | 2-2.5 | 0.96 | Ø140/250 | Ø140/250 | 56 | 112 | 1040 | 680 | Ø992 | 265 | Ø630 | 20 | 75 | 160 | 655 |
| | 1000 | 330-620 | | | | | | | | | | | | | | | | |

说明:此为带制动轮偶合器结构型式，其特点为:

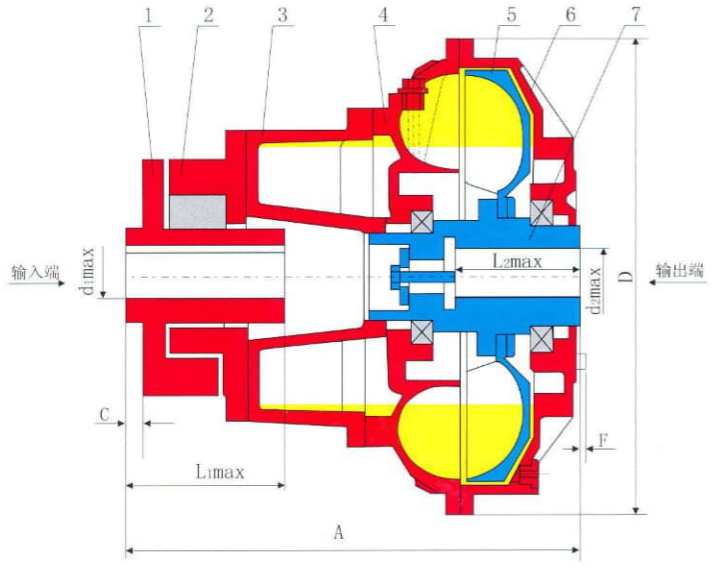
1、此结构是全国 DTII 型更新换代联合设计组选定的定型结构型式, 已列入设计手册。
2、外轮驱动, 结构紧凑。
3、所有尺寸全行业均已统一。

Notes: This form is the type in structures with brake wheel. has the following features:

1.It is the fix form chosen by the designing group which is in charge of the DTII renewal &. change in the whole country. It has been listed in the designing brochure.
2.It is outer wheel-drive form. The structure is well-knit.
3.All dimensions is unified in the whole trade.

# 十、YOXv 型结构图及主要技术参数:

## YOXv Type Structural Drawing and Main Technical Data:




传动形式八:

1.主动节
2.从动节
3.加长后辅腔
4.泵轮
5.涡轮
6.外壳
7.主轴

Transmission Ⅷ

1.Driving Connection
2.Driven Connection
3.Longer Delay chamber
4.Outer Wheel
5.Inner Wheel
6.Shell
7.Coupling Hub

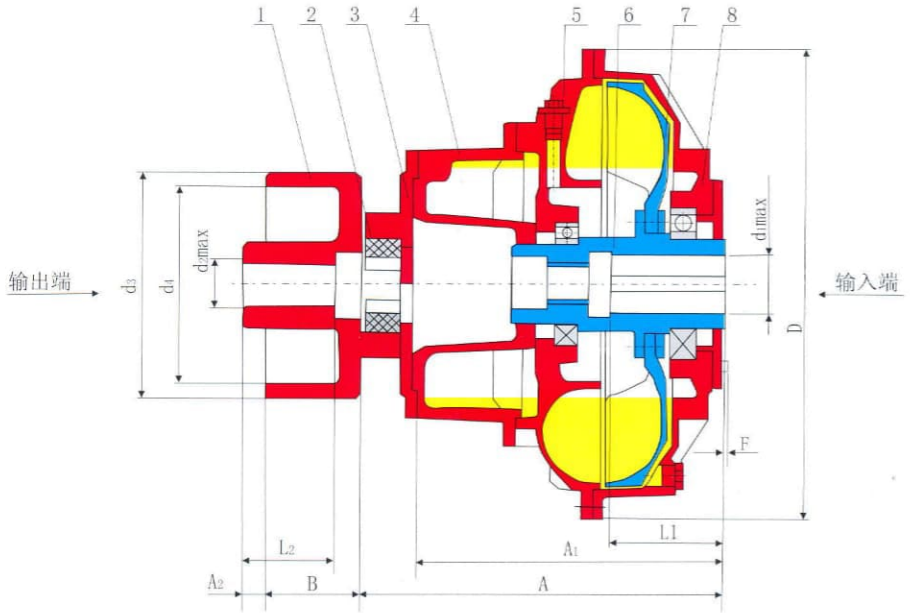
| 规格型号 Specification type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Overload Coeff Tg | | 效率 Effic iency | 外型尺寸 Dimensions (mm) | | | | 最大输入孔径及长度 Max. Input bore diameter & Length d1max / L1max | 最大输出孔径及长度 Max. output bore diameter & Length d2max / L2max | 充油量 q(L) Volume of filling oil | | 重量 Weight p (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | η | D | A | C | F | | | 40% qmin | 72% qmax | |
| YOXv360 | 1000 | 5 -10 | 1.35-1.5 | 2-2.3 | 0.96 | Ø428 | 358 | 10 | 3 | Ø60 / 110 | Ø55 / 110 | 3.8 | 6.8 | 47 |
| | 1500 | 16 - 30 | | | | | | | | | | | | |
| YOXv400 | 1000 | 8 - 18.5 | 1.35-1.5 | 2-2.3 | 0.96 | Ø472 | 389 | 5 | 4 | Ø70 / 140 | Ø60 / 140 | 5.8 | 10.4 | 71 |
| | 1500 | 28 - 48 | | | | | | | | | | | | |
| YOXv450 | 1000 | 15 - 30 | 1.35-1.5 | 2-2.3 | 0.96 | Ø530 | 446 | 10 | 6 | Ø75 / 140 | Ø70 / 140 | 8.3 | 15 | 88 |
| | 1500 | 50 - 90 | | | | | | | | | | | | |
| YOXv500 | 1000 | 25 - 50 | 1.35-1.5 | 2-2.3 | 0.96 | Ø582 | 510 | 30 | 5 | Ø90 / 170 | Ø90 / 170 | 11.4 | 20.6 | 115 |
| | 1500 | 68 - 144 | | | | | | | | | | | | |
| YOXv560 | 1000 | 40 - 80 | 1.35-1.5 | 2-2.3 | 0.96 | Ø634 | 532 | 5 | 7 | Ø100 / 210 | Ø100 / 210 | 14.6 | 26.4 | 164 |
| | 1500 | 120 - 270 | | | | | | | | | | | | |
| YOXv600 | 1000 | 60 - 115 | 1.35-1.5 | 2-2.3 | 0.96 | Ø695 | 577 | 5 | 7 | Ø100 / 210 | Ø115 / 210 | 18.6 | 33.6 | 200 |
| | 1500 | 200 - 360 | | | | | | | | | | | | |
| YOXv650 | 1000 | 90 - 176 | 1.35-1.5 | 2-2.3 | 0.96 | Ø760 | 652 | 25 | 6 | Ø130 / 210 | Ø130 / 210 | 26.6 | 48 | 240 |
| | 1500 | 260 - 480 | | | | | | | | | | | | |
| YOXv750 | 1000 | 170 - 330 | 1.35-1.5 | 2-2.3 | 0.96 | Ø860 | 678 | 0 | 2 | Ø140 / 250 | Ø150 / 250 | 37.7 | 68 | 375 |
| | 1500 | 380 - 760 | | | | | | | | | | | | |
| YOXv875 | 750 | 140 - 280 | 1.35-1.5 | 2-2.3 | 0.96 | Ø992 | 820 | 55 | 7 | Ø150 / 250 | Ø150 / 250 | 62.1 | 112 | 530 |
| | 1000 | 330 - 620 | | | | | | | | | | | | |
| YOXv1000 | 600 | 160 - 300 | 1.35-1.5 | 2-2.3 | 0.96 | Ø1138 | 845 | 0 | 3 | Ø150 / 250 | Ø150 / 250 | 82.5 | 148 | 710 |
| | 750 | 260 - 590 | | | | | | | | | | | | |

说明:YOXv型为加长后辅腔结构,其特点是较YOX型延长了起动时间, 一般为22--30秒，对要求降低起动力矩、延长起动时间,提高胶带使用寿命的胶带输送机, 特别适用。

Note: YOXv makes longer of the delay chamber in structure. The features is to longer the starting time, About 22-30s. It's very fixed to improve the time of the belt comveyor, delay the starting time. ect.

# 十一、YOXvnz 型结构图及主要技术参数:

## YOXvnz Type Structural Drawing and Main Technical Data:




传动形式九:

1.制动轮
2.弹性胶块
3.从动节
4.加长后辅腔
5.泵轮
6.主轴
7.涡轮
8.外壳

Transmission IX

1.Brake wheel
2.Elastic block
3.Driven connection
4.Longer delay chamber
5.Pump wheel
6.Shaft
7.Turbo wheel
8.Shell

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over loadcoeff Tg 起动 start | 过载系数 Over loadcoeff Tg 制动 brake | 效率 Effic iency η | 外型尺寸 Dimensions (mm) D | A | $A_1$ | $A_2$ | F | 最大输入孔径及长度 Max. Input bore diameter & Length $d_{1max}/L_{1max}$ | 最大输出孔径及长度 Max. output bore diameter & Length $d_{2max}/L_{1max}$ | 制动轮外形尺寸 Dimensions of brake wheel $d_3$ | $d_4$ | B | 充油量 (L) Volume offilling oil qmax (L) 40% | qmax (L) 72% | 重量 Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXvnz360 | 1000 | 5-10 | 1.35-1.5 | 2-2.5 | 0.96 | Φ428 | 331 | 278 | 10 | 3 | Φ55 | Φ60 | 按用户提供尺寸加工 | | | 3.8 | 6.8 | 45 |
| | 1500 | 16-30 | | | | | | | | | 110 | 110 | | | | | | |
| YOXvnz400 | 1000 | 8-18.5 | 1.35-1.5 | 2-2.5 | 0.96 | Φ472 | 368 | 308 | 10 | 4 | Φ60 | Φ70 | | | | 5.8 | 10.4 | 68 |
| | 1500 | 28-48 | | | | | | | | | 140 | 140 | | | | | | |
| YOXvnz450 | 1000 | 15-30 | 1.35-1.5 | 2-2.5 | 0.96 | Φ530 | 419 | 353 | 10 | 6 | Φ70 | Φ75 | | | | 8.3 | 15 | 85.5 |
| | 1500 | 50-90 | | | | | | | | | 140 | 140 | | | | | | |
| YOXvnz500 | 1000 | 25-50 | 1.35-1.5 | 2-2.5 | 0.96 | Φ582 | 462 | 391 | 15 | 5 | Φ90 | Φ90 | | | | 11.4 | 20.6 | 116 |
| | 1500 | 68-144 | | | | | | | | | 170 | 170 | | | | | | |
| YOXvnz560 | 1000 | 48-80 | 1.35-1.5 | 2-2.5 | 0.96 | Φ634 | 508 | 433 | 15 | 7 | Φ100 | Φ100 | | | | 14.6 | 26.4 | 138 |
| | 1500 | 120-270 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvnz600 | 1000 | 60-115 | 1.35-1.5 | 2-2.5 | 0.96 | Φ695 | 550 | 467 | 15 | 7 | Φ100 | Φ100 | | | | 18.6 | 33.6 | 180 |
| | 1500 | 200-360 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvnz650 | 1000 | 90-176 | 1.35-1.5 | 2-2.5 | 0.96 | Φ760 | 605 | 520 | 15 | 6 | Φ130 | Φ130 | | | | 26.6 | 48 | 237 |
| | 1500 | 260-480 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvnz750 | 1000 | 170-330 | 1.35-1.5 | 2-2.5 | 0.96 | Φ860 | 648 | 550 | 20 | 2 | Φ150 | Φ140 | | | | 37.7 | 68 | 394 |
| | 1500 | 380-760 | | | | | | | | | 250 | 250 | | | | | | |
| YOXvnz875 | 750 | 140-280 | 1.35-1.5 | 2-2.5 | 0.96 | Φ992 | 738 | 632 | 20 | 7 | Φ150 | Φ150 | | | | 62.1 | 112 | 546 |
| | 1000 | 330-620 | | | | | | | | | 250 | 250 | | | | | | |

说明：此结构的特点为：

1、YOXvnz为内轮驱动，加长后辅腔、输出端带制动轮的结构。

2、适用于要求延长起动时间，一般为22-30S带制动轮的驱动单元，其结构简单、紧凑。

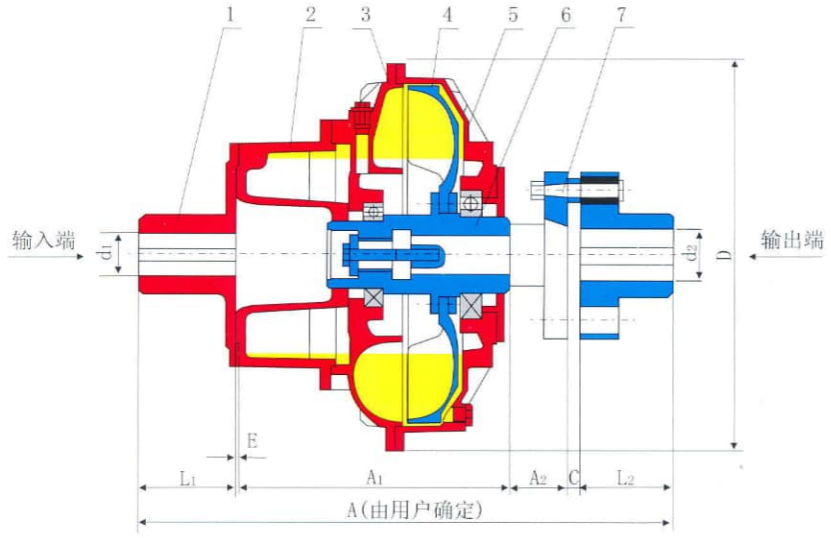
Notes:This form has following features:

1、YOXvnz is inner-wheel drive type with the longer delay chamber and brake wheel in output side.

2、It is suitable for longer the time of the starting time ,about 22-30S and driven unit with brake in structure which makes it simple and well-knit.

# 十二、YOXVA 型结构图及主要技术参数：

## YOXVA Type Structural Drawing and Main Technical Data:




传动形式十：

1.连接盘
2.加长后辅腔
3.泵轮
4.涡轮
5.外壳
6.主轴
7.弹性套柱销联轴器

Transmission X

1.Holding Disc
2.Longer Delay chamber
3.Outer wheel
4.Inner wheel
5.Shell
6.Shaft
7.Shaft coupling with pin in elastic sleave

| 规格型号 Specification Type | 输入转速 Input speed (r.p.m) | 传递功率范围 Range of power transmitted (kW) | 过载系数 Over load coeff Tg | | 效率 Effic iency | 外型尺寸 (mm) Dimensions (mm) | | | | | 最大输入孔径及长度 max input bore diameter &lenth | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave GB4323-84 | | | 充油量 q(L) Volume of filling oil | | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | | D | A1 | A2 | C | E | d1max / L1max | Type | d2max | L2max | 40% qmin | 72% qmax | |
| YOXVA360 | 1000 | 5-10 | 1.35-1.5 | 2-2.3 | 0.96 | ø428 | 278 | 55 | 8 | 6 | ø55 / 110 | TL5 / TL6 | ø55 | 112 | 3.8 | 6.8 | 60 |
| | 1500 | 16-30 | | | | | | | | | | | | | | | |
| YOXVA400 | 1000 | 8-18.5 | 1.35-1.5 | 2-2.3 | 0.96 | ø472 | 308 | 65 | 8 | 6 | ø65 / 140 | TL6 / TL7 | ø65 | 142 | 5.8 | 10.4 | 90 |
| | 1500 | 28-48 | | | | | | | | | | | | | | | |
| YOXVA450 | 1000 | 15-30 | 1.35-1.5 | 2-2.3 | 0.96 | ø530 | 353 | 65 | 8 | 6 | ø75 / 140 | TL7 / TL8 | ø75 | 142 | 8.3 | 15 | 112.5 |
| | 1500 | 50-90 | | | | | | | | | | | | | | | |
| YOXVA500 | 1000 | 25-50 | 1.35-1.5 | 2-2.3 | 0.96 | ø582 | 391 | 85 | 10 | 6 | ø95 / 170 | TL8 / TL10 | ø95 | 172 | 11.4 | 20.6 | 155.5 |
| | 1500 | 68-144 | | | | | | | | | | | | | | | |
| YOXVA560 | 1000 | 40-80 | 1.35-1.5 | 2-2.3 | 0.96 | ø634 | 433 | 85 | 10 | 6 | ø120 / 210 | TL9 / TL10 | ø120 | 212 | 14.6 | 26.4 | 242 |
| | 1500 | 120-270 | | | | | | | | | | | | | | | |
| YOXVA600 | 1000 | 60-115 | 1.35-1.5 | 2-2.3 | 0.96 | ø695 | 467 | 110 | 12 | 8 | ø120 / 210 | TL10 / TL11 | ø120 | 212 | 18.6 | 33.6 | 257 |
| | 1500 | 200-360 | | | | | | | | | | | | | | | |
| YOXVA650 | 1000 | 90-176 | 1.35-1.5 | 2-2.3 | 0.96 | ø760 | 520 | 110 | 12 | 8 | ø150 / 250 | TL10 / T111 | ø150 | 252 | 26.6 | 48 | 306 |
| | 1500 | 260-480 | | | | | | | | | | | | | | | |
| YOXVA750 | 1000 | 170-330 | 1.35-1.5 | 2-2.3 | 0.96 | ø860 | 550 | 125 | 12 | 8 | ø150 / 250 | TL11 / TL12 | ø150 | 252 | 37.7 | 68 | 476 |
| | 1500 | 380-760 | | | | | | | | | | | | | | | |
| YOXVA875 | 750 | 140-280 | 1.35-1.5 | 2-2.3 | 0.96 | ø992 | 632 | 125 | 12 | 8 | ø150 / 250 | TL11 / TL12 | ø150 | 252 | 62.1 | 112 | 679 |
| | 1000 | 330-620 | | | | | | | | | | | | | | | |

说明：此结构的特点为：

1、YOXVA 为带加长后辅腔的结构，特点是起动时间长，一般为22-30秒，对要求延长起动时间，提高胶带寿命的胶带输送机特别适用。

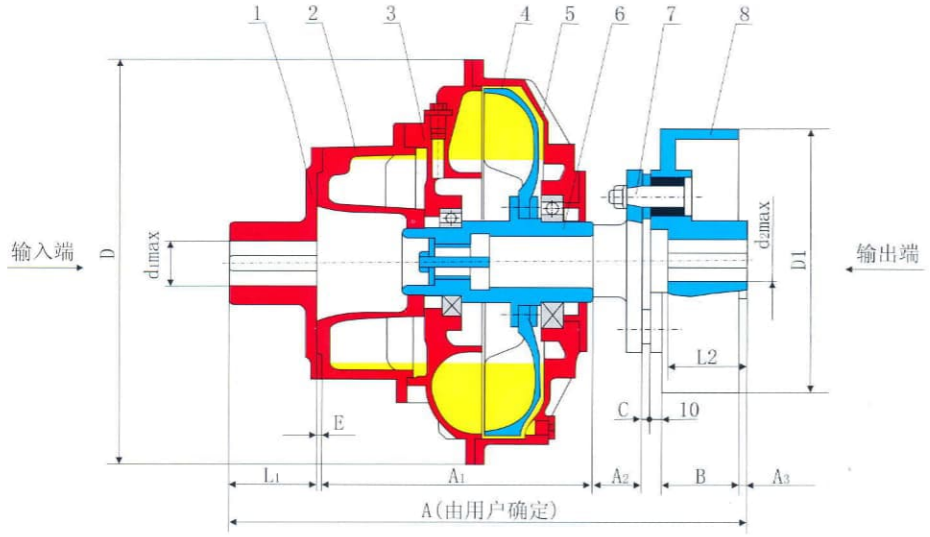
2、安装后需拆卸偶合器时，不用移动电机和减速机。只需拆去弹性柱销和连接盘与后辅腔的联接螺栓，再将偶合器向输出端移动便可吊出。

Notes: This form has following features:

1. YOXVA makes longer of the delay chamber and Aux chamber-instructre. The features is to longer the time of the starting time, About 22-30s.It's very fixed to improve the belt conveyor and delay the starting time.
2. It doesn't need to move motor and reducer during dismounting couplings. It only needs to remove the flexible pin and bolt which connects. the Holding Disc and Longer Delay chamber, then move couplings output to hang it up.

# 十三、YOXVAZ型结构图及主要技术参数

## YOXVAZ Type Structural Drawing and Main Technical Data:




传动形式十一：

1、连接盘
2、加长后辅腔
3、泵轮
4、涡轮
5、外壳
6、主轴
7、弹性套柱销联轴器
8、制动轮

Transmission XI

1、Holding disc
2、Longer delay chamber
3、Pump wheel
4、Turbo wheel
5、Shell
6、Shaft
7、Shaft coupling with pin in elastic sleave
8、Brake wheel

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 过载系数 Over load coeff Tg 制动 brake | 效率 Effic iency η | 安装尺寸（mm） D | $A_1$ | $A_2$ | C | E | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1$max/$L_1$max | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave Type | $d_2$max | $L_2$max | 充油量（L） Volume of filling oil qmin (L) 40% | qmin (L) 72% | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $YOX_{VAZ}360$ | 1000 | 5-10 | 1.35-1.5 | 2-2.3 | 0.96 | Φ428 | 278 | 55 | 8 | 6 | Φ55 | T15 | Φ55 | 112 | 3.8 | 6.8 | 60 |
| | 1500 | 16-30 | | | | | | | | | 110 | TL6 | | | | | |
| $YOX_{VAZ}400$ | 1000 | 8-18.5 | 1.35-1.5 | 2-2.3 | 0.96 | Φ472 | 308 | 65 | 8 | 6 | Φ65 | T16 | Φ65 | 142 | 5.8 | 10.4 | 90 |
| | 1500 | 28-48 | | | | | | | | | 140 | TL7 | | | | | |
| $YOX_{VAZ}450$ | 1000 | 15-30 | 1.35-1.5 | 2-2.3 | 0.96 | Φ530 | 353 | 65 | 8 | 6 | Φ75 | T17 | Φ75 | 142 | 8.3 | 15 | 112.5 |
| | 1500 | 50-90 | | | | | | | | | 140 | TL8 | | | | | |
| $YOX_{VAZ}500$ | 1000 | 25-50 | 1.35-1.5 | 2-2.3 | 0.96 | Φ582 | 391 | 85 | 10 | 6 | Φ95 | T18 | Φ95 | 172 | 11.4 | 20.6 | 155.5 |
| | 1500 | 68-144 | | | | | | | | | 170 | TL10 | | | | | |
| $YOX_{VAZ}560$ | 1000 | 40-80 | 1.35-1.5 | 2-2.3 | 0.96 | Φ634 | 433 | 85 | 10 | 6 | Φ120 | T19 | Φ120 | 212 | 14.6 | 26.4 | 242 |
| | 1500 | 120-270 | | | | | | | | | 210 | TL10 | | | | | |
| $YOX_{VAZ}600$ | 1000 | 60-115 | 1.35-1.5 | 2-2.3 | 0.96 | Φ695 | 467 | 110 | 12 | 8 | Φ120 | T110 | Φ120 | 212 | 18.6 | 33.6 | 291 |
| | 1500 | 200-360 | | | | | | | | | 210 | TL11 | | | | | |
| $YOX_{VAZ}650$ | 1000 | 90-176 | 1.35-1.5 | 2-2.3 | 0.96 | Φ760 | 520 | 110 | 12 | 8 | Φ150 | T110 | Φ150 | 252 | 26.6 | 48 | 386 |
| | 1500 | 260-480 | | | | | | | | | 250 | TL11 | | | | | |
| $YOX_{VAZ}750$ | 1000 | 170-330 | 1.35-1.5 | 2-2.3 | 0.96 | Φ860 | 550 | 125 | 12 | 8 | Φ150 | T111 | Φ150 | 252 | 37.7 | 68 | 500 |
| | 1500 | 480-760 | | | | | | | | | 250 | TL12 | | | | | |
| $YOX_{VAZ}875$ | 750 | 140-280 | 1.35-1.5 | 2-2.3 | 0.96 | Φ992 | 632 | 125 | 12 | 8 | Φ150 | T111 | Φ150 | 252 | 62.1 | 112 | 690 |
| | 1000 | 330-620 | | | | | | | | | 250 | T112 | | | | | |

说明：此结构的特点为：

1、$YOX_{VAZ}$为加长后辅腔、输出端带制动轮结构，特点是起动时间长，一般为22-30秒，对要求延长起动时间，提高胶带寿命的胶带输送机特别适用。

2、安装后需拆卸偶合器时，不用移动电机和减速机。只需拆去弹性柱销和连接盘与加长后辅腔的联接螺栓，再将偶合器向输出端移动便可吊出。

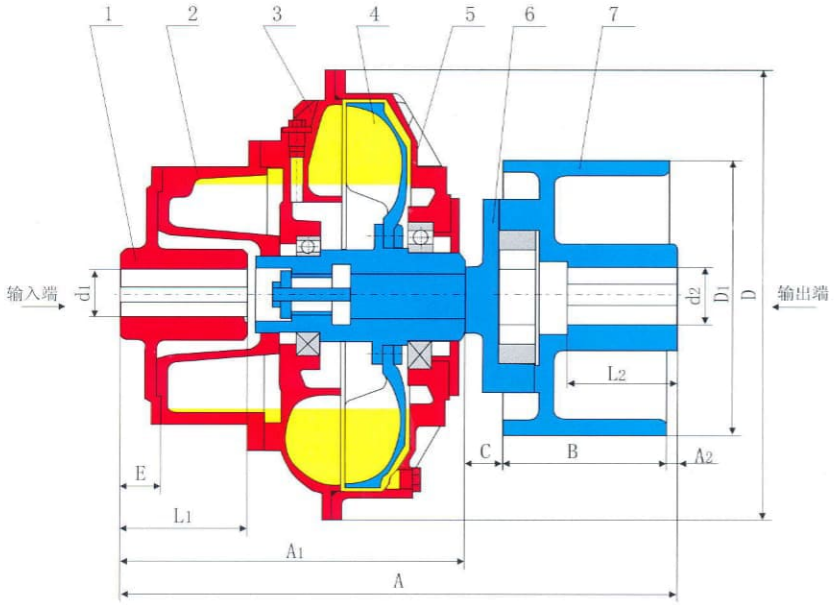
Notes :This form has following festures :

1、$YOX_{VAZ}$ makes longer of the delay chamber with brake wheel in output side， in structre. The feature is to longer the time of the starting time ,about22-30s,It's very fixed to improve the belt conveyor and delay the starting time .

2、It doesn't need to move motor and reducer during dismounting coupliremove the flexit pin and bolt which connects the Holding disc and longer delay chamber ,then move couplings output to hang it up .

# 十四、YOXVIIZ 型结构图及主要技术参数:

## YOXVIIZ Type Structural Drawing and Main Technical Data:




传动形式十二:

1.连接盘
2.加长后辅腔
3.泵轮
4.涡轮
5.外壳
6.连接轴
7.制动轮

Transmission XII

1.Holding Disc
2.Longer Delay chamber
3.Outer wheel
4.Inner wheel
5.Shell
6.Connecting Shaft
7.Brake wheel

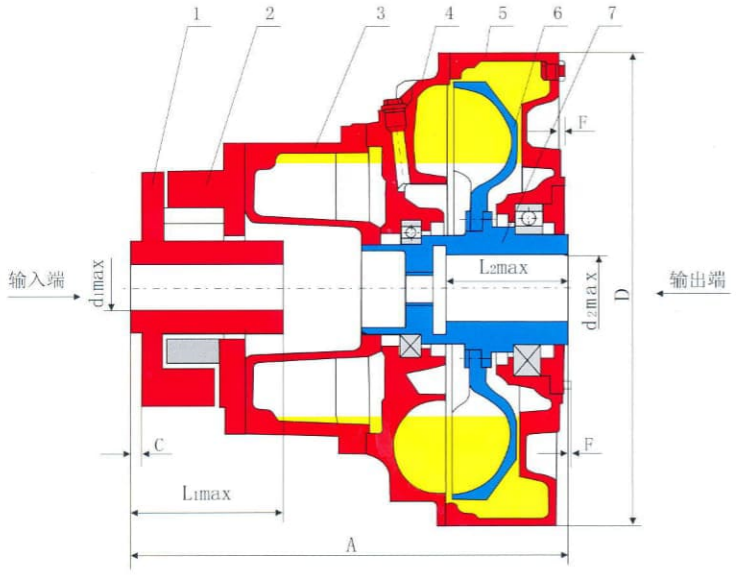
| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 过载系数 Over load coeff Tg 制动 brake | 效率 Effic iency η | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1$max/$L_1$max | 最大输出孔径及长度 Max. output bore diameter & Length $d_2$max/$L_2$max | 充油量 (L) Volume of filling oil 40% qmin | 充油量 (L) Volume of filling oil 72% qmax | 外型尺寸 Dimensions (mm) A | A1 | D | B | D1 | A4 | C | E | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXVIIZ400 | 1000 | 8 - 18.5 | 1.35-1.5 | 2-2.3 | 0.96 | Ø65/140 | Ø65/140 | 5.8 | 10.4 | 556 | 358 | Ø472 | 150 | Ø315 | 10 | 38 | 50 | 116 |
| | 1500 | 28 - 48 | | | | | | | | | | | | | | | | |
| YOXVIIZ450 | 1000 | 15 - 30 | 1.35-1.5 | 2-2.3 | 0.96 | Ø75/140 | Ø75/140 | 8.3 | 15 | 581 | 383 | Ø530 | 150 | Ø315 | 10 | 38 | 30 | 132 |
| | 1500 | 50 - 90 | | | | | | | | | | | | | | | | |
| YOXVIIZ500 | 1000 | 25 - 50 | 1.35-1.5 | 2-2.3 | 0.96 | Ø90/170 | Ø90/170 | 11.4 | 20.6 | 674 | 431 | Ø582 | 190 | Ø400 | 10 | 42 | 40 | 165 |
| | 1500 | 68 - 144 | | | | | | | | | | | | | | | | |
| YOXVIIZ560 | 1000 | 40 - 80 | 1.35-1.5 | 2-2.3 | 0.96 | Ø110/210 | Ø100/210 | 14.6 | 26.4 | 745 | 503 | Ø634 | 190 | Ø400 | 10 | 42 | 70 | 210 |
| | 1500 | 120 - 270 | | | | | | | | | | | | | | | | |
| YOXVIIZ600 | 1000 | 60 - 115 | 1.35-1.5 | 2-2.3 | 0.96 | Ø110/210 | Ø110/210 | 18.6 | 33.6 | 787 | 517 | Ø695 | 210 | Ø500 | 15 | 45 | 50 | 350 |
| | 1500 | 200 - 360 | | | | | | | | | | | | | | | | |
| YOXVIIZ650 | 1000 | 90 - 176 | 1.35-1.5 | 2-2.3 | 0.96 | Ø120/210 | Ø120/210 | 26.6 | 48 | 825 | 555 | Ø760 | 210 | Ø500 | 15 | 45 | 35 | 390 |
| | 1500 | 260 - 480 | | | | | | | | | | | | | | | | |
| YOXVIIZ750 | 1000 | 170 - 330 | 1.35-1.5 | 2-2.3 | 0.96 | Ø130/210 | Ø130/210 | 37.7 | 68 | 920 | 590 | Ø860 | 265 | Ø630 | 15 | 50 | 40 | 513 |
| | 1500 | 380 - 760 | | | | | | | | | | | | | | | | |
| YOXVIIZ875 | 750 | 140 - 280 | 1.35-1.5 | 2-2.3 | 0.96 | Ø140/250 | Ø140/250 | 62.1 | 112 | 1032 | 672 | Ø992 | 265 | Ø630 | 20 | 75 | 40 | 690 |
| | 1000 | 330 - 620 | | | | | | | | | | | | | | | | |

说明: YOXVIIZ 型为加长后辅腔、输出端带制动轮，使驱动单元结构紧凑，延长工作机起动时间，一般为 22-30 秒。此结构特别适用于起动加速度低、 高带速、大运量且要求带制动装置的胶带输送机。

Note: YOXVIIZ is a type with longer delay chamber with brake wheel in output side, making the structure closer and enlong the startup time to 22-30s. Thin is special suitable for startup of belt conveyor with low accerlation. High speed, large mass and with brake system.

## 十五、YOXvs型结构图及主要技术参数:

## YOXvs Type Structural Drawing and Main Technical Data:




传动形式十三:

1.主动节
2.从动节
3.加长后辅腔
4.泵轮
5.侧辅腔
6.涡轮
7.主轴

Transmission XIII

1.Driving Connection
2.Driven Connection
3.Longer Delay chamber
4.Outer Wheel
5.Aux.chamber
6.Inner Wheel
7.Coupling Hub

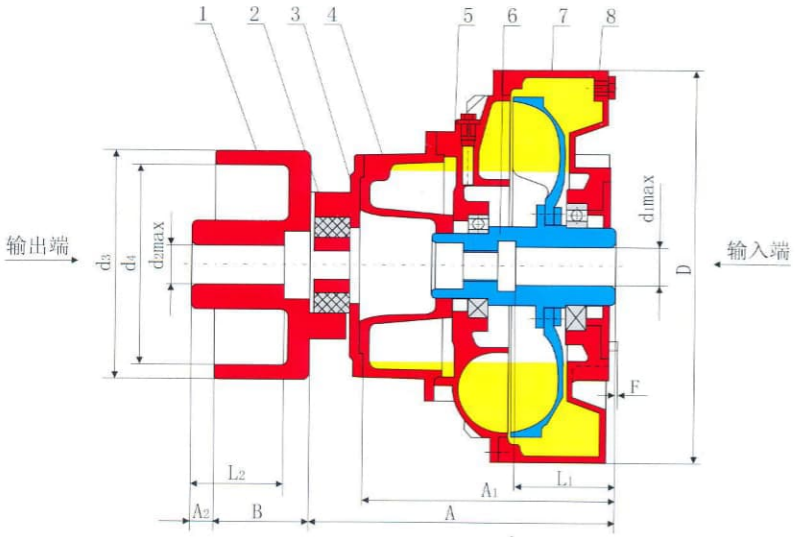
| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Overload coeff Tg 起动 start | 过载系数 Overload coeff Tg 制动 brake | 效率 Efficiency η | 外型尺寸 Dimensions (mm) D | A | C | F | 最大输入孔径及长度 Max. Input bore diameter & Length d1max / L1max | 最大输出孔径及长度 Max. output bore diameter & Length d2max / L2max | 充油量 q(L) Volume of filling oil 40% qmin | 70% qmax | 重量 Weight p (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXvs360 | 1000 | 5 - 10 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø428 | 358 | 10 | 3 | Ø 60 / 110 | Ø 55 / 110 | 5.3 | 8.8 | 52 |
| | 1500 | 16 - 30 | | | | | | | | | | | | |
| YOXvs400 | 1000 | 8 - 18.5 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø472 | 389 | 5 | 4 | Ø 70 / 110/140 | Ø 60 / 140 | 7.7 | 13.5 | 77 |
| | 1500 | 28 - 48 | | | | | | | | | | | | |
| YOXvs450 | 1000 | 15 - 30 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø530 | 446 | 10 | 6 | Ø 75 / 140 | Ø 70 / 140 | 11.1 | 19.5 | 96 |
| | 1500 | 50 - 90 | | | | | | | | | | | | |
| YOXvs500 | 1000 | 25 - 50 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø582 | 510 | 30 | 5 | Ø 90 / 170 | Ø 90 / 170 | 15.3 | 26.8 | 133 |
| | 1500 | 68 - 144 | | | | | | | | | | | | |
| YOXvs560 | 1000 | 40 - 80 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø634 | 532 | 5 | 7 | Ø 100 / 170/210 | Ø100 / 210 | 19.5 | 34.2 | 185 |
| | 1500 | 120 - 270 | | | | | | | | | | | | |
| YOXvs600 | 1000 | 60 - 115 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø695 | 577 | 5 | 7 | Ø 100 / 170/210 | Ø115 / 210 | 24.9 | 43.6 | 220 |
| | 1500 | 200 - 360 | | | | | | | | | | | | |
| YOXvs650 | 1000 | 90 - 176 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø760 | 652 | 25 | 6 | Ø 130 / 210 | Ø130 / 210 | 35.6 | 62.4 | 260 |
| | 1500 | 260 - 480 | | | | | | | | | | | | |
| YOXvs750 | 1000 | 170 - 330 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø860 | 678 | — | 2 | Ø 140 / 250 | Ø150 / 250 | 50.5 | 88.4 | 406 |
| | 1500 | 380 - 760 | | | | | | | | | | | | |
| YOXvs875 | 750 | 145 - 280 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø992 | 820 | 55 | 7 | Ø 150 / 250 | Ø150 / 250 | 83.1 | 145.6 | 580 |
| | 1000 | 330 - 620 | | | | | | | | | | | | |
| YOXvs1000 | 600 | 160 - 300 | 1.1 - 1.35 | 2 - 2.3 | 0.96 | Ø1138 | 845 | — | 3 | Ø 150 / 250 | Ø150 / 250 | 108.5 | 192.4 | 780 |
| | 750 | 260 - 590 | | | | | | | | | | | | |

说明: YOXvs型为带加长后辅腔及侧辅腔的结构，其特点是较YOXv型起动时间更长，一般为30-50秒，对要求延长起动时间、提高胶带寿命的胶带输送机特别适用。

Notes: YOXvs makes longer of the delay chamber and Aux chamber-in structure. The features is to longer the time of the starting time, About 30-50s.It's very fixed to improve the time of the belt conveyor and delay the starting time.

# 十六、YOXvsnz型结构图及主要技术参数

## YOXvsnz Type Structural Drawing and Main Technical Date:




传动形式十四:

1、制动轮
2、弹性胶块
3、从动节
4、加长后辅腔
5、泵轮
6、主轴
7、涡轮
8、侧辅腔

Transmission XIV

1.Brake wheel
2.Elastic block
3.Driven connection
4.Longer delay chamber
5.Pump wheel
6.Shaft
7.Turbo wheel
8.Aux.chamber

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 过载系数 Over load coeff Tg 制动 brake | 效率 Effic iency η | 外型尺寸 Dimensions (mm) D | A | A1 | A2 | F | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1max/L_1max$ | 最大输出孔径及长度 Max. output bore diameter & Length $d_2max/L_2max$ | 制动轮外形尺寸 Dimensions of brake wheel $d_3$ | $d_4$ | B | 充油量 (L) Volume of filling oil qmin (L) 40% | Qmax (L) 70% | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXvsnz360 | 1000 | 5-10 | 1.1-1.35 | 2-2.5 | 0.96 | φ428 | 331 | 278 | 10 | 3 | φ55 | φ60 | 按用户提供尺寸加工 | | | 5.3 | 8.8 | 50 |
| | 1500 | 16-30 | | | | | | | | | 110 | 110 | | | | | | |
| YOXvsnz400 | 1000 | 8-18.5 | 1.1-1.35 | 2-2.5 | 0.96 | φ472 | 368 | 308 | 10 | 4 | φ60 | φ70 | | | | 7.7 | 13.5 | 74 |
| | 1500 | 28-48 | | | | | | | | | 120 | 140 | | | | | | |
| YOXvsnz450 | 1000 | 15-30 | 1.1-1.35 | 2-2.5 | 0.96 | φ530 | 419 | 353 | 10 | 6 | φ70 | φ75 | | | | 11.1 | 19.5 | 93.5 |
| | 1500 | 50-90 | | | | | | | | | 140 | 140 | | | | | | |
| YOXvsnz500 | 1000 | 25-50 | 1.1-1.35 | 2-2.5 | 0.96 | φ582 | 462 | 391 | 15 | 5 | φ90 | φ90 | | | | 15.3 | 26.8 | 134 |
| | 1500 | 68-144 | | | | | | | | | 170 | 170 | | | | | | |
| YOXvsnz560 | 1000 | 40-80 | 1.1-1.35 | 2-2.5 | 0.96 | φ634 | 508 | 433 | 15 | 7 | φ100 | φ100 | | | | 19.5 | 34.2 | 159 |
| | 1500 | 120-270 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvsnz600 | 1000 | 60-115 | 1.1-1.35 | 2-2.5 | 0.96 | φ695 | 550 | 467 | 15 | 7 | φ100 | φ100 | | | | 24.9 | 43.6 | 200 |
| | 1500 | 200-360 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvsnz650 | 1000 | 90-176 | 1.1-1.35 | 2-2.5 | 0.96 | φ760 | 605 | 520 | 15 | 6 | φ130 | φ130 | | | | 35.6 | 62.4 | 257 |
| | 1500 | 260-480 | | | | | | | | | 210 | 210 | | | | | | |
| YOXvsnz750 | 1000 | 170-330 | 1.1-1.35 | 2-2.5 | 0.96 | φ860 | 648 | 550 | 20 | 2 | φ150 | φ140 | | | | 50.5 | 88.4 | 425 |
| | 1500 | 380-760 | | | | | | | | | 250 | 250 | | | | | | |
| YOXvsnz875 | 750 | 140-280 | 1.1-1.35 | 2-2.5 | 0.96 | φ992 | 738 | 632 | 20 | 7 | φ150 | φ150 | | | | 83.1 | 146 | 596 |
| | 1000 | 330-620 | | | | | | | | | 250 | 250 | | | | | | |

说明：此结构的特点为：

1、YOXvsnz为内轮驱动，加长后辅腔、外侧辅腔、输出端带制动轮的结构。

2、适用于要求延长起动时间，一般为30-50S带制动轮的驱动单元，其结构简单、紧凑。

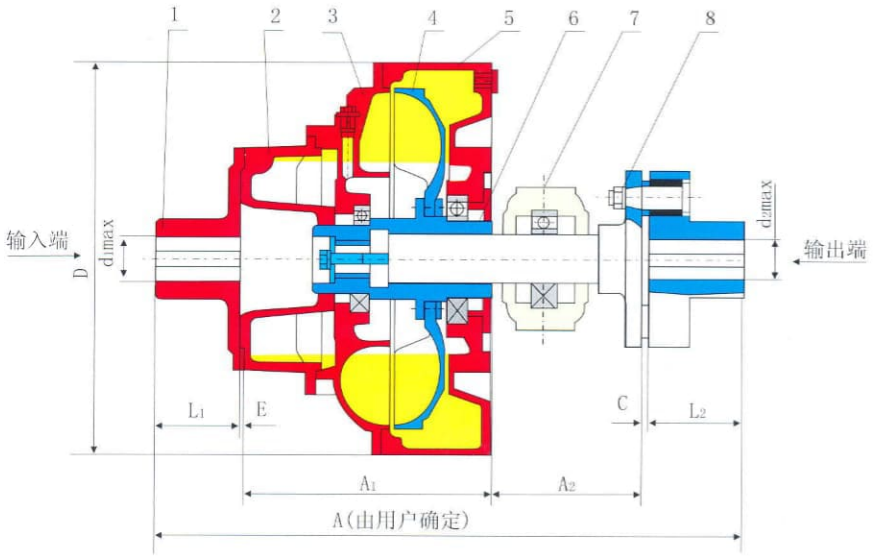
Notes:This form has following features:

1、YOXvsnz is inner-wheel drive type with the longer delay chamber and Aux. Chamber and brake wheel in output side .

2、It is suitable for longer the time of the starting time ,about 30-50s and driven unit with brake in structure which makes it simple and well-knit.

# 十七、YOXVSA 型结构图及主要技术参数:

## YOXVIIZ Type Structural Drawing and Main Technical Data:




传动形式十五

1.连接盘
2.加长后辅腔
3.泵轮
4.涡轮
5.侧辅腔
6.主轴
7.轴承座(**供选配**)
8.弹性套柱销联轴器

Transmission XV

1.Holding Disc
2.Longer Delay chamber
3.Pump wheel
4.Turbo wheel
5.Aux.chamber
6.Shaft
7.Bear seat
8.Shaft coupling with pin in elastic sleave

| 规格型号 Specification Type | 输入转速 Input speed (r.p.m) | 传递功率范围 Range of power transmitted (kW) | 过载系数 Over load coeff Tg | | 效率 Effic iency | 外型尺寸 (mm) Dimensions (mm) | | | | | 最大输入孔径及长度 max input bore diameter &lenth | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave GB4323-84 | | | 充油量 q(L) Volume of filling oil | | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | | D | A1 | A2 | C | E | d1max / L1max | Type | d2max | L2max | 40% qmin | 70% qmax | |
| YOXVSA360 | 1000 | 5-10 | 1.1-1.35 | 2-2.3 | 0.96 | ø428 | 278 | 55 | 8 | 6 | ø55 / 110 | TL5 / TL6 | ø50 | 112 | 5.3 | 8.8 | 65 |
| | 1500 | 16-30 | | | | | | | | | | | | | | | |
| YOXVSA400 | 1000 | 8-18.5 | 1.1-1.35 | 2-2.3 | 0.96 | ø472 | 308 | 65 | 8 | 6 | ø65 / 140 | TL6 / TL7 | ø65 | 142 | 7.7 | 13.5 | 96 |
| | 1500 | 28-48 | | | | | | | | | | | | | | | |
| YOXVSA450 | 1000 | 15-30 | 1.1-1.35 | 2-2.3 | 0.96 | ø530 | 353 | 65 | 8 | 6 | ø75 / 140 | TL7 / TL8 | ø75 | 142 | 11.1 | 19.5 | 120.5 |
| | 1500 | 50-90 | | | | | | | | | | | | | | | |
| YOXVSA500 | 1000 | 25-50 | 1.1-1.35 | 2-2.3 | 0.96 | ø582 | 391 | 85 / 255 | 10 | 6 | ø95 / 170 | TL8 / TL10 | ø95 | 172 | 15.3 | 26.8 | 173.5 |
| | 1500 | 68-144 | | | | | | | | | | | | | | | |
| YOXVSA560 | 1000 | 40-80 | 1.1-1.35 | 2-2.3 | 0.96 | ø634 | 433 | 85 / 270 | 10 | 6 | ø120 / 210 | TL9 / TL10 | ø120 | 212 | 19.5 | 34.2 | 263 |
| | 1500 | 120-270 | | | | | | | | | | | | | | | |
| YOXVSA600 | 1000 | 60-115 | 1.1-1.35 | 2-2.3 | 0.96 | ø695 | 467 | 110 / 295 | 12 | 8 | ø120 / 210 | TL10 / TL11 | ø120 | 212 | 24.9 | 43.6 | 277 |
| | 1500 | 200-360 | | | | | | | | | | | | | | | |
| YOXVSA650 | 1000 | 90-176 | 1.1-1.35 | 2-2.3 | 0.96 | ø760 | 520 | 110 / 295 | 12 | 8 | ø150 / 250 | TL10 / T111 | ø150 | 252 | 35.6 | 62.4 | 326 |
| | 1500 | 260-480 | | | | | | | | | | | | | | | |
| YOXVSA750 | 1000 | 170-330 | 1.1-1.35 | 2-2.3 | 0.96 | ø860 | 550 | 125 / 325 | 12 | 8 | ø150 / 250 | TL11 / TL12 | ø150 | 252 | 50.5 | 88.4 | 507 |
| | 1500 | 380-760 | | | | | | | | | | | | | | | |
| YOXVSA875 | 750 | 140-280 | 1.1-1.35 | 2-2.3 | 0.96 | ø992 | 632 | 125 / 325 | 12 | 8 | ø150 / 250 | TL11 / TL12 | ø150 | 252 | 83.1 | 145.6 | 729 |
| | 1000 | 330-620 | | | | | | | | | | | | | | | |
| YOXVSA1000 | 600 | 160-300 | 1.1-1.35 | 2-2.3 | 0.96 | ø1138 | 689 | 150 / 350 | 15 | 10 | ø150 / 250 | TL12 / TL13 | ø150 | 252 | 108.5 | 192.4 | 980 |
| | 750 | 260-590 | | | | | | | | | | | | | | | |

说明：此结构的特点为：

1、YOXVSA为加长后辅腔及侧辅腔的结构，特点是起动时间更长，一般为30-50秒，对要求延长起动时间，提高胶带寿命的胶带输送机特别适用。

2、安装后需拆卸偶合器时，不用移动电机和减速机。只需拆去弹性柱销和连接盘与偶合器的联接螺栓，再将偶合器向输出端移动便可吊出。

3、YOXVSA857及以上型号轴向长度长，易引起振动，需带轴承座，其他型号按客户要求选配，A2右下为带轴承座的安装尺寸。

Notes: This form has following features:

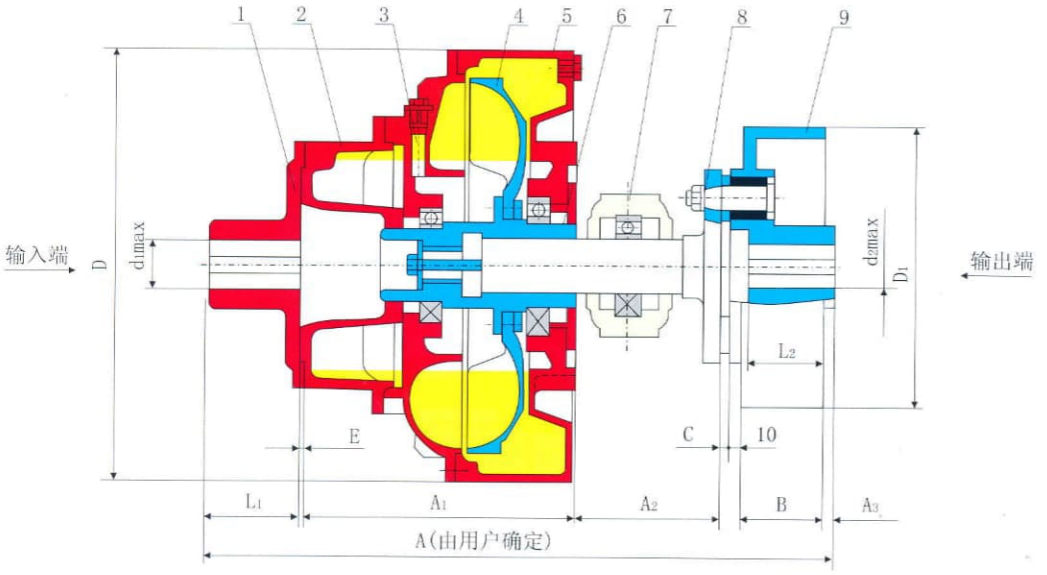
1.YOXVSA makes longer of the delay chamber and Aux chamber-instructre. The features is to longer the time of the starting time, About 30-50s.It's very fixed to improve the belt conveyor and delay the starting time.

2.It doesn't need to move motor and reducer during dismounting couplings. It only needs to remove the flexible pin and bolt which connects the terminal area and couplings, then move couplings towards output to hang it up.

3.The lower dimensions of A2 is for YOXVSA500~1000 with bearing stand.

# 十八、YOXvsAz型结构图及主要技术参数:

## YOXvsAz Type Structural Drawing and Main Technical Date:




传动形式十六

1、连接盘
2、加长后辅腔
3、泵轮
4、涡轮
5、侧辅腔
6、主轴
7、轴承座**(供选配)**
8、弹性套柱销轴器
9、制动轮

Transmission XVI

1、Holding disc
2、Longer delay chamber
3、Pump wheel
4、Turbo wheel
5、Aux.chamber
6、Shaft
7、Bear seat
8、Shaft coupling with pin in elastit sleave
9、Brake wheel

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 过载系数 Over load coeff Tg 制动 brake | 效率 Effic iency η | 安装尺寸（mm） D | $A_1$ | $A_2$ | C | E | 最大输入孔径及长度 Max.Input bore diameter & Length dzmax/L1max | 弹性套柱销联轴器 Shaft coupling with pin in elastic sleave Type | $d_2$max | $l_2$max | 充油量（L） Volume of filling oil qmin (L) 40% | qmin (L) 70% | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXvsAz360 | 1000 | 5-10 | 1.1-1.35 | 2-2.3 | 0.96 | φ428 | 278 | 55 | 8 | 6 | φ55 | TL5 | φ55 | 112 | 5.3 | 8.8 | 65 |
| | 1500 | 16-30 | | | | | | | | | 110 | TL6 | | | | | |
| YOXvsAz400 | 1000 | 8-18.5 | 1.1-1.35 | 2-2.3 | 0.96 | φ472 | 308 | 65 | 8 | 6 | φ65 | TL6 | φ65 | 142 | 7.7 | 13.5 | 96 |
| | 1500 | 28-48 | | | | | | | | | 140 | TL7 | | | | | |
| YOXvsAz450 | 1000 | 15-30 | 1.1-1.35 | 2-2.3 | 0.96 | φ530 | 353 | 65 | 8 | 6 | φ75 | TL7 | φ75 | 142 | 11.1 | 19.5 | 120 |
| | 1500 | 50-90 | | | | | | | | | 140 | TL8 | | | | | |
| YOXvsAz500 | 1000 | 25-50 | 1.1-1.35 | 2-2.3 | 0.96 | φ582 | 391 | 85/255 | 10 | 6 | φ95 | TL8 | φ95 | 172 | 15.3 | 26.8 | 167 |
| | 1500 | 68-144 | | | | | | | | | 170 | TL10 | | | | | |
| YOXvsAz560 | 1000 | 40-80 | 1.1-1.35 | 2-2.3 | 0.96 | φ634 | 433 | 85/270 | 10 | 6 | φ120 | TL9 | φ120 | 212 | 19.5 | 34.2 | 252 |
| | 1500 | 120-270 | | | | | | | | | 210 | TL10 | | | | | |
| YOXvsAz600 | 1000 | 60-115 | 1.1-1.35 | 2-2.3 | 0.96 | φ695 | 467 | 110/295 | 12 | 8 | φ120 | TL10 | φ120 | 212 | 24.9 | 43.6 | 302 |
| | 1500 | 200-360 | | | | | | | | | 210 | TL11 | | | | | |
| YOXvsAz650 | 1000 | 90-176 | 1.1-1.35 | 2-2.3 | 0.96 | φ760 | 520 | 110/295 | 12 | 8 | φ150 | TL10 | φ150 | 252 | 35.6 | 62.4 | 505 |
| | 1500 | 260-480 | | | | | | | | | 250 | TL11 | | | | | |
| YOXvsAz750 | 1000 | 170-330 | 1.1-1.35 | 2-2.3 | 0.96 | φ860 | 550 | 125/325 | 12 | 8 | φ150 | TL11 | φ150 | 252 | 50.5 | 88.4 | 510 |
| | 1500 | 380-760 | | | | | | | | | 250 | TL12 | | | | | |
| YOXvsAz875 | 750 | 140-280 | 1.1-1.35 | 2-2.3 | 0.96 | φ992 | 632 | 125/325 | 12 | 8 | φ150 | TL11 | φ150 | 252 | 83.1 | 146 | 720 |
| | 1000 | 330-620 | | | | | | | | | 250 | TL12 | | | | | |

说明：此结构的特点为：

1、YOXvsAz为加长后辅腔、侧辅腔带制动轮结构，特点是起动时间长，一般为30-50秒，对要求延长起动时间，提高胶带寿命的胶带输送机特别适用。

2、安装后需拆卸偶合器时，不用移动电机和减速机。只需拆去弹性柱销和连接与偶合器的联接螺栓，再将偶合器向输出端移动便可吊出。

3、YOXvsAz857及以上型号轴向长度长，易引起振动，需带轴承座，其他型号按客户要求选配，A2右下为带轴承座的安装尺寸。

Notes :This form has following festures :

1.YOXvsAz makes longer of the delay chamber and aux .chamber with brake wheel in output side in structre.feature is to longer the time of the starting time ,about30-50s,It's very fixed to improve the belt comveyor and delay the starting time .

2.It doesn't need to move motor and reducer during dismounting couplings,it only needs to remove the flexit pin and bolt which connects the terminal area and couplings ,then move couplings output to hang it up .

3.The lower dimensions of A2 is for YOXvsAz500~875 with bearing stand.

# 十九、YOXVSIIZ型结构图主要技术参数

## YOXVSIIZ Type Structural Drawing and Main Technical Data:




传动形式十七

1.连接盘
2.加长后辅腔
3.泵轮
4.涡轮
5.侧辅腔
6.主轴
7.轴承座**(供选配)**
8.连接轴
9.制动轮

Transmission XVII

1.Holding Disc
2.Longer Delay Chamber
3.Pump Wheel
4.Turbo Wheel
5.Aux. Chamber
6.Shaft
7.Bearing seat
8.Connecting shaft
9.Brake Wheel

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Overload coeff Tg 起动 start | 过载系数 Overload coeff Tg 制动 brake | 效率 Effic iency η | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1max/L_1max$ | 最大输出孔径及长度 Max. output bore diameter & Length $d_2max/L_2max$ | 充油量 (L) Volume of filling oil 40% qmin | 充油量 (L) Volume of filling oil 70% qmax | 外型尺寸 Dimensions (mm) A | A1 | D | B | D1 | A2 | C | E | 重量 Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXVSIIZ400 | 1000 | 8-18.5 | 1.1-1.35 | 2-2.3 | 0.96 | Ø65/140 | Ø65/140 | 7.7 | 13.5 | 556 | 358 | Ø472 | 150 | Ø315 | 10 | 38 | 50 | 120 |
| | 1500 | 28-48 | | | | | | | | | | | | | | | | |
| YOXVSIIZ450 | 1000 | 15-30 | 1.1-1.35 | 2-2.3 | 0.96 | Ø75/140 | Ø75/140 | 11.1 | 19.5 | 581 | 383 | Ø530 | 150 | Ø315 | 10 | 38 | 30 | 135 |
| | 1500 | 50-90 | | | | | | | | | | | | | | | | |
| YOXVSIIZ500 | 1000 | 25-50 | 1.1-1.35 | 2-2.3 | 0.96 | Ø90/170 | Ø90/170 | 15.3 | 26.8 | 674/842 | 431 | Ø582 | 190 | Ø400 | 10 | 42/211 | 40 | 183 |
| | 1500 | 68-144 | | | | | | | | | | | | | | | | |
| YOXVSIIZ560 | 1000 | 40-80 | 1.1-1.35 | 2-2.3 | 0.96 | Ø110/210 | Ø100/210 | 19.5 | 34.2 | 745/933 | 503 | Ø634 | 190 | Ø400 | 10 | 42/230 | 70 | 240 |
| | 1500 | 120-270 | | | | | | | | | | | | | | | | |
| YOXVSIIZ600 | 1000 | 60-115 | 1.1-1.35 | 2-2.3 | 0.96 | Ø110/210 | Ø110/210 | 24.9 | 43.6 | 787/972 | 517 | Ø695 | 210 | Ø500 | 15 | 45/230 | 50 | 370 |
| | 1500 | 200-360 | | | | | | | | | | | | | | | | |
| YOXVSIIZ650 | 1000 | 90-176 | 1.1-1.35 | 2-2.3 | 0.96 | Ø120/210 | Ø120/210 | 35.6 | 62.4 | 825/1010 | 555 | Ø760 | 210 | Ø500 | 15 | 45/230 | 35 | 415 |
| | 1500 | 260-480 | | | | | | | | | | | | | | | | |
| YOXVSIIZ750 | 1000 | 170-330 | 1.1-1.35 | 2-2.3 | 0.96 | Ø130/210 | Ø130/210 | 50.5 | 88.4 | 920/1120 | 590 | Ø860 | 265 | Ø630 | 15 | 50/250 | 40 | 544 |
| | 1500 | 380-760 | | | | | | | | | | | | | | | | |
| YOXVSIIZ875 | 750 | 140-280 | 1.1-1.35 | 2-2.3 | 0.96 | Ø140/250 | Ø140/250 | 83.1 | 145.6 | 1032/1232 | 672 | Ø992 | 265 | Ø630 | 20 | 75/275 | 40 | 740 |
| | 1000 | 330-620 | | | | | | | | | | | | | | | | |

说明：YOXVSIIZ型为加长后辅腔、加大侧辅腔带制动轮结构，是起动性能最好的一种结构型式，能使工作机的起动时间更长，一般为30-50秒。此为带制动轮偶合器结构型式，其特点为：

1、外轮驱动，结构紧凑。

2、适用于对延长起动时间的胶带机，带制动机构的驱动单元。

3、YOXVSIIZ857及以上型号轴向长度长，易引起振动，需带轴承座，其他型号按客户要求选配，A、C右下为带轴承座的安装尺寸。

Notes: Type YOXVSIIIZ is a structure with longer delay chamber & bigger Aux chamber, It's startup is the best, which the time can be 30-50s. It is the type of brake system with the following features:

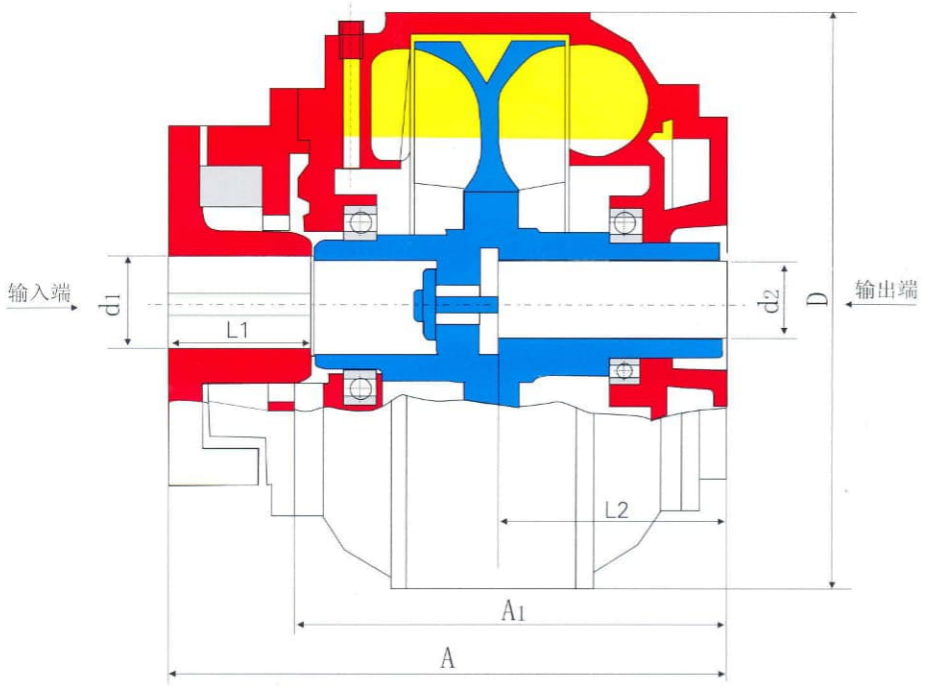
1.Outer wheel drive with compact structure.

2.Suitable for belt conveyor with longer start up time & brake system.

3.The lower dimensions of A、A1 is for YOXVSIIZ500~875 with bearing stand.

# 二十、YOXSQ型结构图主要技术参数

## YOXSQ Type Structural Drawing and Main Technical Data:




### 传动形式十八:

YOXs 双腔外
轮驱动型

### Transmission XVIII

YOXs double cavity external – wheel-drive type

### 说明：此结构的特点为：

偶合器有两个泵轮与两个涡轮，
传递功率近似等于单腔的二倍，
轴向尺寸略长。加载系数较大。

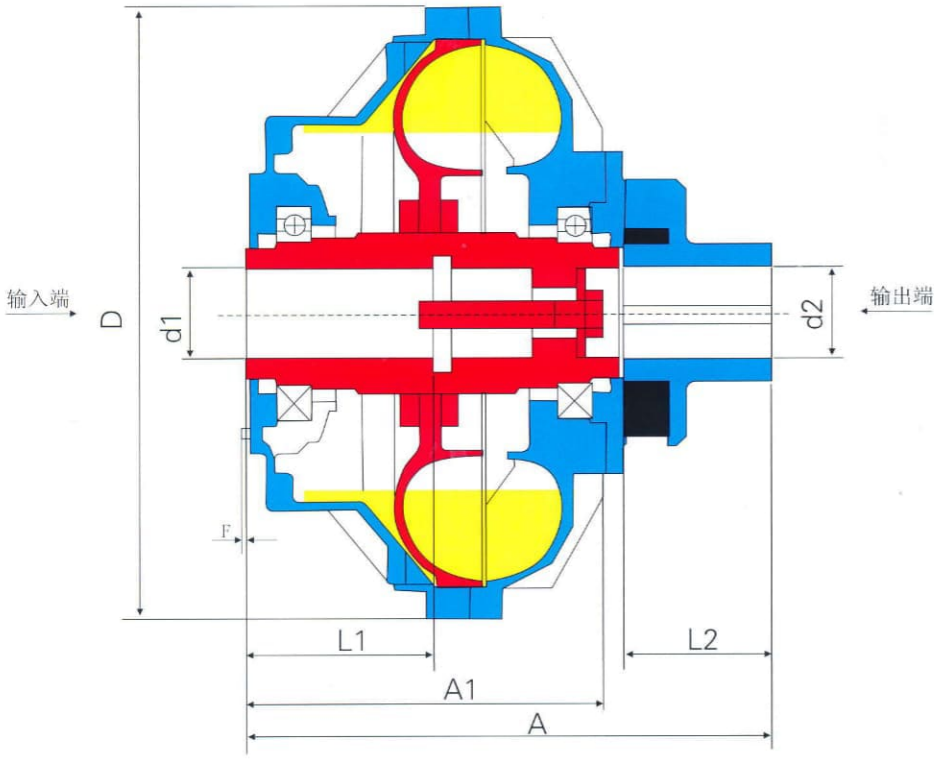
### Notes:This form has following features:

This structural coupling implement have two pump wheels with two turbine, transfer power is equal to twice that of single lumen, axial dimensions slightly. Loading coefficient.

| 规格型号 Specification type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Over load coeff Tg 起动 start | 效率 Effic iency η | 外型尺寸 Dimensions (mm) D | A | A1 | 最大输入孔径及长度 Max. Input bore diameter & Length $d_1max$ / $L_1max$ | 最大输出孔径及长度 Max. output bore diameter & Length $d_2max$ / $L_2max$ | 充油量q(1) Volume of filling oil 100% qc | 40% qmin | 80% qmax | 重量 Weight 不含制动轮 p(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXSQ220 | 1000 | 0.8-2.2 | 1.91 | 0.96 | Ø278 | 270 | 190 | Ø40/80 | Ø35/80 | 3.9 | 1.6 | 3.2 | 28 |
| | 1500 | 3-6 | | | | | | | | | | | |
| YOXSQ250 | 1000 | 1.6-3 | 1.91 | 0.96 | Ø305 | 290 | 210 | Ø45/80 | Ø40/80 | 5.8 | 2.32 | 4.6 | 32 |
| | 1500 | 5-11 | | | | | | | | | | | |
| YOXSQ280 | 1000 | 3-6 | 1.91 | 0.96 | Ø345 | 325 | 235 | Ø50/80 | Ø45/80 | 7.2 | 2.9 | 5.8 | 43 |
| | 1500 | 9-16 | | | | | | | | | | | |
| YOXSQ320 | 1000 | 5-11 | 1.91 | 0.96 | Ø380 | 365 | 265 | Ø55/110 | Ø46/110 | 12 | 4.8 | 9.6 | 60 |
| | 1500 | 18-37 | | | | | | | | | | | |
| YOXSQ360 | 1000 | 10-20 | 1.91 | 0.96 | Ø428 | 435 | 310 | Ø55/110 | Ø55/110 | 19 | 7.6 | 13.4 | 75 |
| | 1500 | 32-60 | | | | | | | | | | | |
| YOXSQ400 | 1000 | 16-37 | 1.91 | 0.96 | Ø472 | 470 | 320 | Ø65/140 | Ø60/140 | 27 | 10.8 | 20.8 | 130 |
| | 1500 | 56-96 | | | | | | | | | | | |
| YOXSQ450 | 1000 | 30-60 | 1.91 | 0.96 | Ø530 | 500 | 350 | Ø75/140 | Ø70/140 | 38 | 15.2 | 30 | 165 |
| | 1500 | 90-180 | | | | | | | | | | | |
| YOXD500 | 1000 | 50-100 | 1.91 | 0.96 | Ø582 | 575 | 375 | Ø95/170 | Ø90/170 | 53 | 21 | 42 | 203 |
| | 1500 | 136-288 | | | | | | | | | | | |
| YOXSQ560 | 1000 | 50-160 | 1.91 | 0.96 | Ø634 | 620 | 420 | Ø120/210 | Ø100/210 | 68 | 27 | 54 | 285 |
| | 1500 | 240-560 | | | | | | | | | | | |
| YOXSQ600 | 1000 | 120-230 | 1.91 | 0.96 | Ø695 | 645 | 450 | Ø120/210 | Ø115/210 | 86 | 34 | 68 | 335 |
| | 1500 | 400-720 | | | | | | | | | | | |
| YOXSQ650 | 1000 | 180-352 | 1.91 | 0.96 | Ø740 | 705 | 510 | Ø150/250 | Ø130/250 | 122 | 48 | 96 | 428 |
| | 1500 | 520-960 | | | | | | | | | | | |
| YOXSQ750 | 1000 | 340-650 | 1.91 | 0.96 | Ø860 | 820 | 570 | Ø150/250 | Ø140/250 | 173 | 62 | 124 | 640 |
| | 1500 | 760-1520 | | | | | | | | | | | |
| YOXSQ875 | 750 | 290-560 | 1.91 | 0.96 | Ø992 | 920 | 670 | Ø150/250 | Ø150/250 | 285 | 114 | 224 | 920 |
| | 1000 | 660-1240 | | | | | | | | | | | |
| YOXSQ1000 | 600 | 320-720 | 1.91 | 0.96 | Ø1138 | 1060 | 750 | Ø160/250 | Ø160/250 | 378 | 151 | 296 | 1310 |
| | 750 | 520-1180 | | | | | | | | | | | |
| YOXSQ1150 | 600 | 530-1230 | 1.91 | 0.96 | Ø1312 | 1150 | 840 | Ø170/300 | Ø170/300 | 432 | 173 | 340 | 1980 |
| | 750 | 1050-2390 | | | | | | | | | | | |

## 二十一、YOXF型结构图及主要技术参数:

## YOXF Type Structural Drawing and Main Technical Data:




传动形式十九:
复合泄液式液力偶合器

Transmission XVIII
Compound liquid-off fluid coupling

| 规格型号 Specification type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Over load coeff Tg | | 效率 Effic iency η | 外型尺寸 Dimensions (mm) | | | | 最大输入孔径及长度 Max. Input bore diameter & Length $\frac{d_1max}{L_1max}$ | 最大输出孔径及长度 Max. output bore diameter & Length $\frac{d_2max}{L_2max}$ | 充油量q(1) Volume of filling oil | | 重量 Weight 不含制动轮 p(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | | D | A | A1 | F | | | 40% qmin | 80% qmax | |
| YOXF360 | 1000 | 5 - 10 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø428 | 445 | 10 | 3 | Ø 55 / 110 | Ø 60 / 110 | 3.4 | 6.8 | 48 |
| | 1500 | 16 - 30 | | | | | | | | | | | | |
| YOXF400 | 1000 | 8 - 18.5 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø472 | 470 | 10 | 4 | Ø 60 / 140 | Ø 70 / 140 | 5.2 | 10.4 | 65 |
| | 1500 | 28 - 48 | | | | | | | | | | | | |
| YOXF450 | 1000 | 15 - 30 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø530 | 500 | 10 | 6 | Ø 70 / 140 | Ø 75 / 140 | 7.5 | 15 | 70 |
| | 1500 | 50 - 90 | | | | | | | | | | | | |
| YOXF500 | 1000 | 25 - 50 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø582 | 580 | 15 | 5 | Ø 90 / 170 | Ø 90 / 170 | 10.3 | 20.6 | 105 |
| | 1500 | 68 - 144 | | | | | | | | | | | | |
| YOXF560 | 1000 | 48 - 80 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø634 | 650 | 15 | 7 | Ø100 / 210 | Ø 100 / 210 | 13.2 | 26.4 | 130 |
| | 1500 | 120 -270 | | | | | | | | | | | | |
| YOXF600 | 1000 | 60 - 115 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø695 | 690 | 15 | 7 | Ø100 / 210 | Ø 100 / 210 | 16.8 | 33.6 | 165 |
| | 1500 | 200 - 360 | | | | | | | | | | | | |
| YOXF650 | 1000 | 90 - 176 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø760 | 680 | 15 | 6 | Ø130 / 210 | Ø 130 / 210 | 24 | 48 | 207 |
| | 1500 | 260 - 480 | | | | | | | | | | | | |
| YOXF750 | 1000 | 170 - 330 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø860 | 830 | 20 | 2 | Ø150 / 250 | Ø 140 / 250 | 34 | 68 | 314 |
| | 1500 | 380 - 760 | | | | | | | | | | | | |
| YOXF875 | 750 | 140 - 280 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø992 | 905 | 20 | 7 | Ø150 / 250 | Ø 150 / 250 | 56 | 112 | 460 |
| | 1000 | 330 - 620 | | | | | | | | | | | | |

### 说明：此结构的特点为：

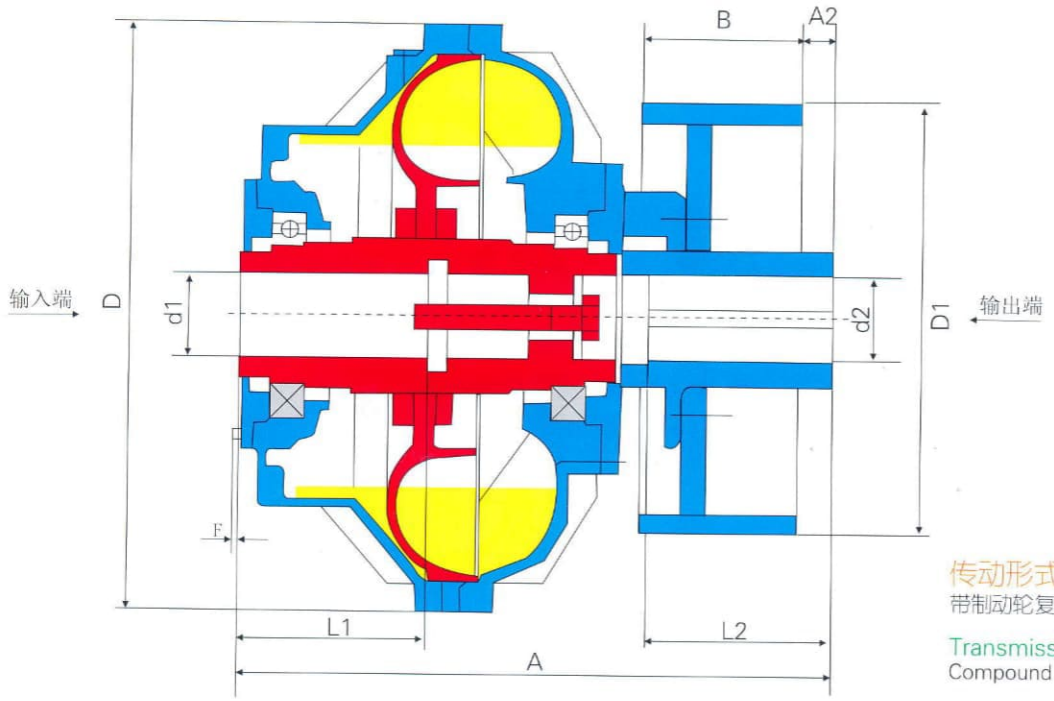
1.此型式为内轮驱动，载荷变化时，动态反应灵敏。
2.偶合器质量主要由电机轴承担，可防止减速机断轴事故。

### Notes:This form has following features:

1. this type for internal wheel drive, and the load changes, the dynamic senstive reaction.
2. coupled device quality mainly by the motor shaft bear, can prevent reducer broken axle accidents.

# 二十二、YOXFZ型结构图及主要技术参数：

## YOXFZ Type Structural Drawing and Main Technical Data:




传动形式二十:
带制动轮复合泄液式型液力偶合器

Transmission XX
Compound liquid-off fluid coupling

| 规格型号 Specification type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Range of power transmitted N(kW) | 过载系数 Over load coeff Tg | | 效率 Effic iency | 外型尺寸 Dimensions (mm) | | | 最大输入孔径及长度 Max. Input bore diameter & Length $\frac{d_1max}{L_1max}$ | 最大输出孔径及长度 Max. output bore diameter & Length $\frac{d_2max}{L_2max}$ | 制动轮外形尺寸 Dimensions of brake wheel | | | 充油量q(1) Volume of filling oil | | 重量 Weight 不含制动轮 p(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | η | D | A | F | | | D1 | A2 | B | 40% qmin | 80% qmax | |
| YOXFz360 | 1000 | 5 - 10 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø428 | 445 | 3 | Ø 55 / 110 | Ø 60 / 110 | 按用户提供尺寸加工 | | | 3.4 | 6.8 | 48 |
| | 1500 | 16 - 30 | | | | | | | | | | | | | | |
| YOXFz400 | 1000 | 8 - 18.5 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø472 | 470 | 4 | Ø 60 / 140 | Ø 70 / 140 | | | | 5.2 | 10.4 | 65 |
| | 1500 | 28 - 48 | | | | | | | | | | | | | | |
| YOXFz450 | 1000 | 15 - 30 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø530 | 500 | 6 | Ø 70 / 140 | Ø 75 / 140 | | | | 7.5 | 15 | 70 |
| | 1500 | 50 - 90 | | | | | | | | | | | | | | |
| YOXFz500 | 1000 | 25 - 50 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø582 | 580 | 5 | Ø 90 / 170 | Ø 90 / 170 | | | | 10.3 | 20.6 | 105 |
| | 1500 | 68 - 144 | | | | | | | | | | | | | | |
| YOXFz560 | 1000 | 48 - 80 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø634 | 650 | 7 | Ø100 / 210 | Ø 100 / 210 | | | | 13.2 | 26.4 | 130 |
| | 1500 | 120 -270 | | | | | | | | | | | | | | |
| YOXFz600 | 1000 | 60 - 115 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø695 | 690 | 7 | Ø100 / 210 | Ø 100 / 210 | | | | 16.8 | 33.6 | 165 |
| | 1500 | 200 - 360 | | | | | | | | | | | | | | |
| YOXFz650 | 1000 | 90 - 176 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø760 | 735 | 6 | Ø130 / 210 | Ø 130 / 210 | | | | 24 | 48 | 207 |
| | 1500 | 260 - 480 | | | | | | | | | | | | | | |
| YOXFz750 | 1000 | 170 - 330 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø860 | 830 | 2 | Ø150 / 250 | Ø 140 / 250 | | | | 34 | 68 | 314 |
| | 1500 | 380 - 760 | | | | | | | | | | | | | | |
| YOXFz875 | 750 | 140 - 280 | 0.8-1.2 | 1.5-2.0 | 0.96 | Ø992 | 905 | 7 | Ø150 / 250 | Ø 150 / 250 | | | | 56 | 112 | 460 |
| | 1000 | 330 - 620 | | | | | | | | | | | | | | |

传动形式二十:

1.复合泄液式带制动轮型液力偶合器

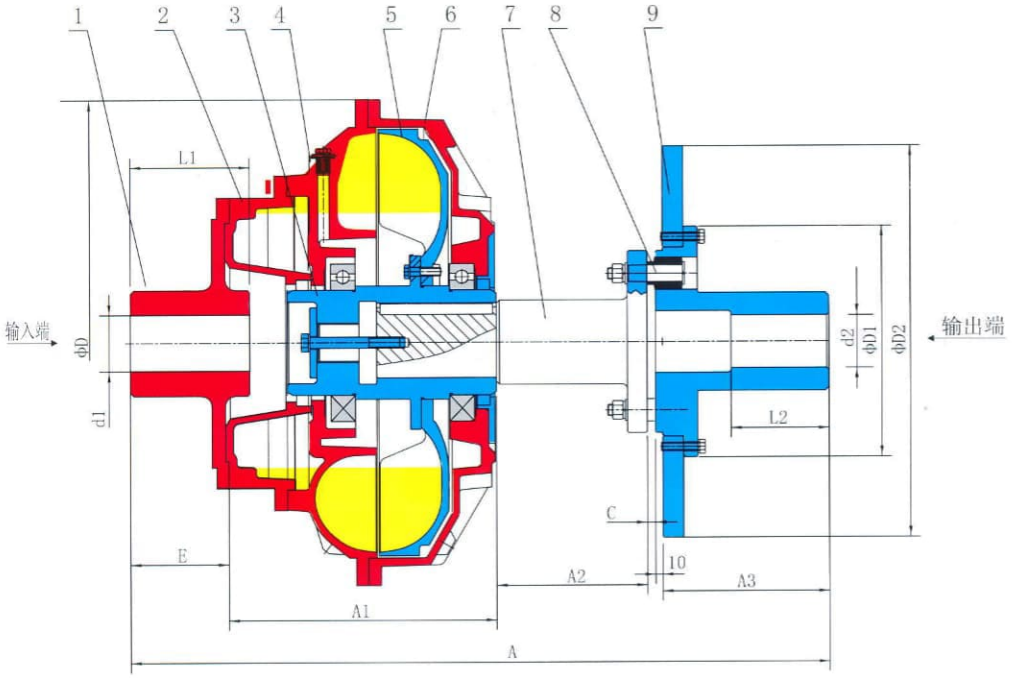
2.这种传动形式适用于带制动机构的驱动单元，使其结构简单，紧凑。

Transmission XX

1.Compound liquid-off fluid coupling type withbrake wheel constant filling fluid coupling.
2.this form is suitable for a driven unit with brake structure. Which makesit simple and well-knit.
This form is the type in structures with brake wheel.

# 二十三、YOXAMP型结构图及主要技术参数

## YOXAMP Type Structural Drawing And Main Technical Data:




传动形式二十一:

Transmission XXI

单腔型外轮驱动带连接盘及
采用弹性套柱销连接制动轮

| | |
|---|---|
| 1.连接盘 | 1.Holding Disc |
| 2.后辅腔 | 2.Delay chamber |
| 3.主轴 | 3.Shaft |
| 4.泵轮 | 4.Pump wheel |
| 5.涡轮 | 5.Turbo wheel |
| 6.外壳 | 6.Sheel |
| 7.弹性套柱销联轴器 | 7.Shaft coupling with pin in elastit sleave |
| 8.弹性套柱销 | 8.Elastic sleeve pin |
| 9.制动盘 | 9.Brake Disc |

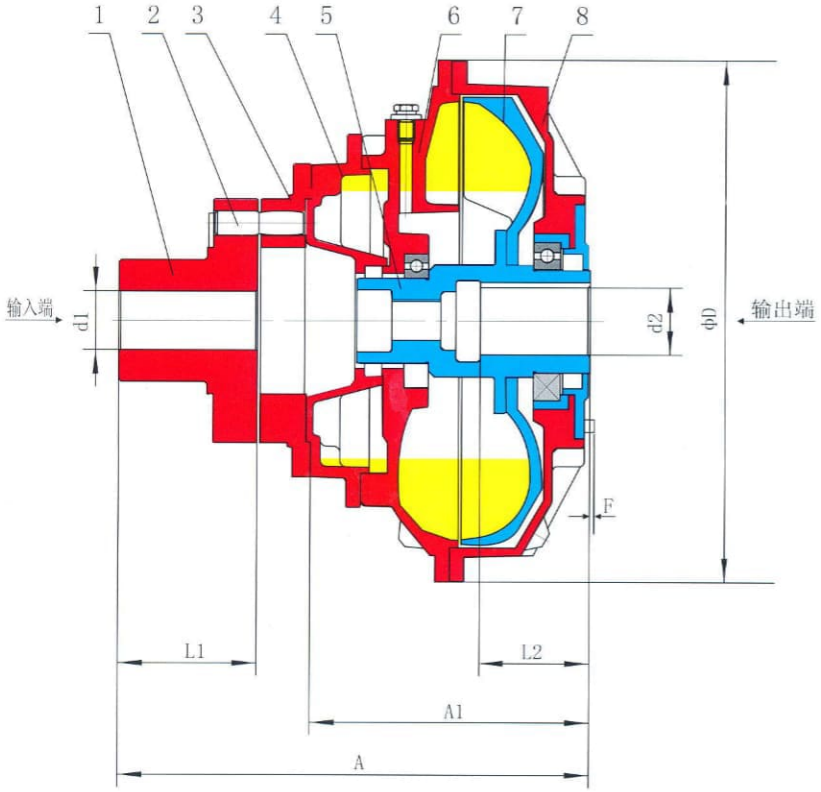
| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over loadcoeff Tg | | 效率 Effic iency η | 外型尺寸 Dimensions (mm) | | | | | 充油量q(L) Volume offilling oil | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | | D | | E | A1 | C | max(L)40% | max(L)80% |
| YOXAMP400 | 1000 | 8-18.5 | 1.5-1.8 | 2-2.5 | 0.96 | Φ472 | 其余按用户提供尺寸加工 | 101 | 256 | 8 | 5.2 | 10.4 |
| | 1500 | 28-48 | | | | | | | | | | |
| YOXAMP450 | 1000 | 15-30 | 1.5-1.5 | 2-2.5 | 0.96 | Φ530 | | 90 | 292 | 8 | 7.5 | 15 |
| | 1500 | 50-90 | | | | | | | | | | |
| YOXAMP500 | 1000 | 25-50 | 1.5-1.8 | 2.-2.5 | 0.96 | Φ582 | | 107 | 316 | 10 | 10.3 | 20.6 |
| | 1500 | 68-144 | | | | | | | | | | |
| YOXIIA560 | 1000 | 40-80 | 1.5-1.8 | 2-2.5 | 0.96 | Φ634 | | 141 | 350 | 10 | 13.2 | 26.4 |
| | 1500 | 120-270 | | | | | | | | | | |
| YOXAMP600 | 1000 | 60-115 | 1.5-1.8 | 2-2.5 | 0.96 | Φ695 | | 140 | 380 | 12 | 16.8 | 33.6 |
| | 1500 | 200-360 | | | | | | | | | | |
| YOXAMP650 | 1000 | 90-176 | 1.5-1.8 | 2-2.5 | 0.96 | Φ760 | | 134 | 425 | 12 | 24 | 48 |
| | 1500 | 260-480 | | | | | | | | | | |
| YOXAMP750 | 1000 | 170-330 | 1.5-1.8 | 2-2.5 | 0.96 | Φ860 | | 160 | 450 | 12 | 34 | 68 |
| | 1500 | 380-760 | | | | | | | | | | |
| YOXAMP875 | 750 | 145-280 | 1.5-1.8 | 2-2.5 | 0.96 | Φ992 | | 160 | 514 | 12 | 56 | 112 |
| | 1000 | 330-620 | | | | | | | | | | |
| | 1500 | 760-1100 | | | | | | | | | | |

特点：容易拆卸偶合器主体，使用制动盘并采用弹性柱销联接。

Features : easy to remove the f1uid couplings body, connecting with brake disc and elastic pin,

# 二十四、YOXNL型结构图及主要技术参数

## YOXNLtype Structural Drawing And Main Technical Data:




传动形式二十二:
Transmission XXII

单腔型外轮驱动采用尼龙柱销联轴器

| | |
|---|---|
| 1.主动半联轴器 | 1.Driving Connection |
| 2.尼龙柱销 | 2.Nylon pin |
| 3.从动半联轴器 | 3.Drivven Connection |
| 4.后辅腔 | 4.Delay chamber |
| 5.主轴 | 5.Shaft |
| 6.泵轮 | 6.Pump wheel |
| 7.涡轮 | 7.Turbo wheel |
| 8.外壳 | 8.Sheel |

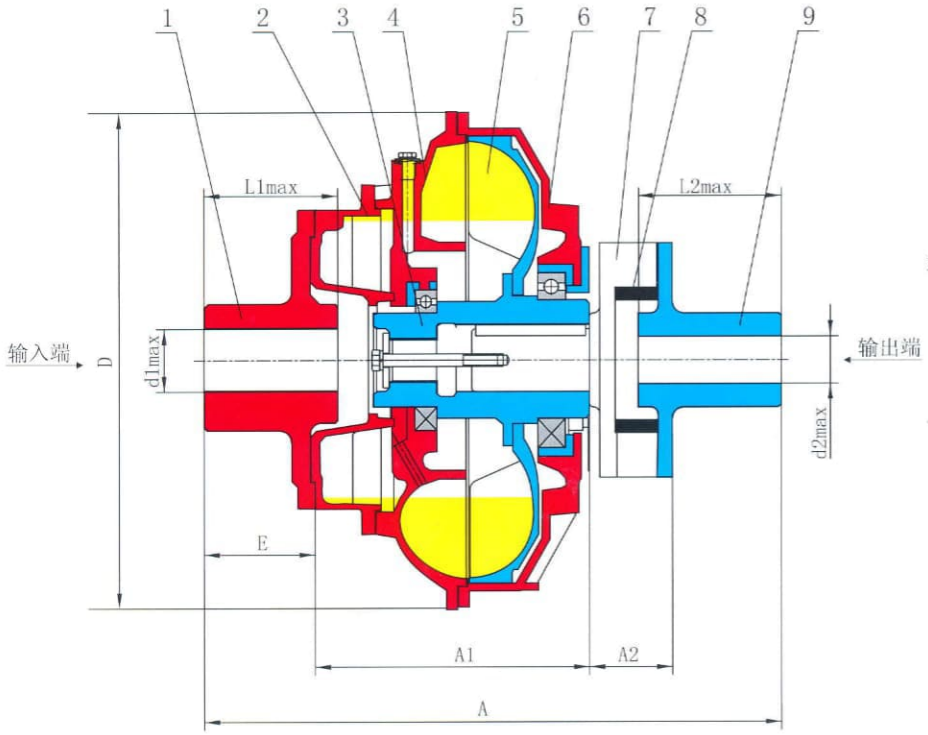
| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over loadcoeff Tg 起动 start | 过载系数 Over loadcoeff Tg 制动 brake | 效率 Effic iency η | 外型尺寸 Dimensions (mm) D | 外型尺寸 Dimensions (mm) | 外型尺寸 Dimensions (mm) A, | 外型尺寸 Dimensions (mm) F | 充油量q(L) Volume offilling oil max(L)40% | 充油量q(L) Volume offilling oil max(L)80% |
|---|---|---|---|---|---|---|---|---|---|---|---|
| YOXNL400 | 1000 | 8-18.5 | 1.5-1.8 | 2-2.5 | 0.96 | φ472 | 其余按用户提供尺寸加工 | 256 | 3 | 5.2 | 10.4 |
| | 1500 | 28-48 | | | | | | | | | |
| YOXNL450 | 1000 | 15-30 | 1.5-1.5 | 2-2.5 | 0.96 | φ530 | | 292 | 4 | 7.5 | 15 |
| | 1500 | 50-90 | | | | | | | | | |
| YOXNL500 | 1000 | 25-50 | 1.5-1.8 | 2.-2.5 | 0.96 | φ582 | | 316 | 6 | 10.3 | 20.6 |
| | 1500 | 68-144 | | | | | | | | | |
| YOXNL560 | 1000 | 40-80 | 1.5-1.8 | 2-2.5 | 0.96 | φ634 | | 350 | 5 | 13.2 | 26.4 |
| | 1500 | 120-270 | | | | | | | | | |
| YOXNL600 | 1000 | 60-115 | 1.5-1.8 | 2-2.5 | 0.96 | φ695 | | 380 | 7 | 16.8 | 33.6 |
| | 1500 | 200-360 | | | | | | | | | |
| YOXNL650 | 1000 | 90-176 | 1.5-1.8 | 2-2.5 | 0.96 | φ760 | | 425 | 7 | 24 | 48 |
| | 1500 | 260-480 | | | | | | | | | |
| YOXNL750 | 1000 | 170-330 | 1.5-1.8 | 2-2.5 | 0.96 | φ860 | | 450 | 6 | 34 | 68 |
| | 1500 | 380-760 | | | | | | | | | |
| YOXNL875 | 750 | 145-280 | 1.5-1.8 | 2-2.5 | 0.96 | φ992 | | 514 | 2 | 56 | 112 |
| | 1000 | 330-620 | | | | | | | | | |
| | 1500 | 760-1100 | | | | | | | | | |

特点：采用尼龙柱销连接，容易更换尼龙柱销，结构紧凑。

Features : with nylon pin connection,easy to replace nylon pin,compact structure.

# 二十五、YOX$_{IIA}$型结构图及主要技术参数

## YOX$_{IIA}$ Type Structural Drawing And Main Technical Data:




传动形式二十三:
Transmission XXIII

单腔型外轮驱动带连接盘及梅花型弹性联轴器
使驱动单元结构紧凑，主体容易拆卸

| | |
|---|---|
| 1.连接盘 | 1.Holding Disc |
| 2.后辅腔 | 2.Delay chamber |
| 3.主轴 | 3.Shaft |
| 4.泵轮 | 4.Pump wheel |
| 5.涡轮 | 5.Turbo wheel |
| 6.外壳 | 6.Sheel |
| 7.连接轴 | 7.Connection shaft |
| 8.弹性块 | 8.Elastic block |
| 9.主动节 | 9.Driving Connectionl |

| 规格型号 Specification Type | 输入转速 Input speed n(r.p.m) | 传递功率范围 Ranger of power transmitted N(kW) | 过载系数 Over loadcoeff Tg | | 效率 Effic iency η | 外型尺寸 Dimensions (mm) | | | | | 充油量q(L) Volume offilling oil | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 起动 start | 制动 brake | | D | A | E | A1 | A2 | max(L)40% | max(L)80% |
| YOX$_{IIA}$400 | 1000 | 8-18.5 | 1.5-1.8 | 2-2.5 | 0.96 | φ472 | 其余按用户提供尺寸加工 | 101 | 256 | 89 | 5.2 | 10.4 |
| | 1500 | 28-48 | | | | | | | | | | |
| YOX$_{IIA}$450 | 1000 | 15-30 | 1.5-1.5 | 2-2.5 | 0.96 | φ530 | | 90 | 292 | 93 | 7.5 | 15 |
| | 1500 | 50-90 | | | | | | | | | | |
| YOX$_{IIA}$500 | 1000 | 25-50 | 1.5-1.8 | 2.-2.5 | 0.96 | φ582 | | 107 | 316 | 100 | 10.3 | 20.6 |
| | 1500 | 68-144 | | | | | | | | | | |
| YOX$_{IIA}$560 | 1000 | 40-80 | 1.5-1.8 | 2-2.5 | 0.96 | φ634 | | 141 | 350 | 104 | 13.2 | 26.4 |
| | 1500 | 120-270 | | | | | | | | | | |
| YOX$_{IIA}$600 | 1000 | 60-115 | 1.5-1.8 | 2-2.5 | 0.96 | φ695 | | 140 | 380 | 116 | 16.8 | 33.6 |
| | 1500 | 200-360 | | | | | | | | | | |
| YOX$_{IIA}$650 | 1000 | 90-176 | 1.5-1.8 | 2-2.5 | 0.96 | φ760 | | 134 | 425 | 116 | 24 | 48 |
| | 1500 | 260-480 | | | | | | | | | | |
| YOX$_{IIA}$750 | 1000 | 170-330 | 1.5-1.8 | 2-2.5 | 0.96 | φ860 | | 160 | 450 | 140 | 34 | 68 |
| | 1500 | 380-760 | | | | | | | | | | |
| YOX$_{IIA}$875 | 750 | 145-280 | 1.5-1.8 | 2-2.5 | 0.96 | φ992 | | 160 | 514 | 155 | 56 | 112 |
| | 1000 | 330-620 | | | | | | | | | | |
| | 1500 | 760-1100 | | | | | | | | | | |

特点：使驱动单元结构紧凑，主体容易拆卸。

Features : meking reasonably good construction of driving unit and easy assembly and disassembly of the main part of the couplings.

# 二十六、液力偶合器温升保护和监测

## Temp. Raise Protection And Inspection For Hydraulic Couplings

### 1、温升报警器 Temp. annouciator

WBQ－Ⅱ型防喷装置属国内首创产品，主要用作液力偶合器的安全保护装置，防止液力偶合器因过载引起工作介质温升而喷液。

WBQ-Ⅱ type anti-spray device is firstly applied in domestic couplings field and it is to protect fluid couplings from working fluid spraying that caused by overload and overheat of couplings.

1．使用条件：

a．用于外轮驱动形式的偶合器，适用工作介质为：矿物油（见图一）。

b．环境温度：-30℃~+70℃。

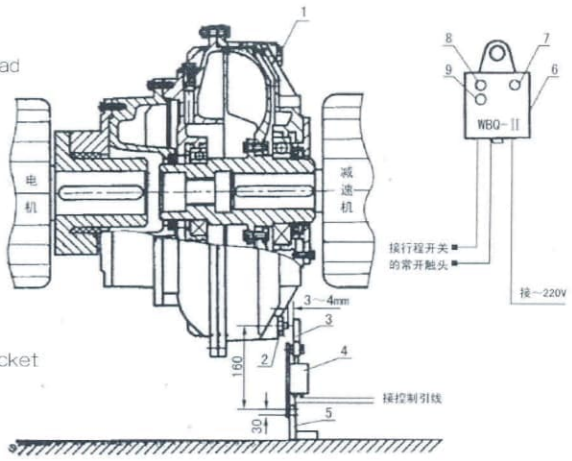
c．无剧烈振动和冲击的地方。

2．基本参数：

额定输入电压：交流220V

额定频率：50Hz　　功耗：<0.2W

温度检测范围：一般为110±5℃。亦可按客户要求控温范围，改变控制温度数值。




图一　WBQ－Ⅱ型防喷装置安装图

1.普通易熔塞　2.特殊易熔塞　3.摆杆　4.开关
5.安装支架　6.报警器　7.报警（红灯）　8.工作（绿灯）
9.保险管

1. Fusible plugs　2Special fusible plugs　3. Pendulum 4. Switch　5. Mounting Bracket
6. Alarm　　7.Alarm (red light)　8.Working (green light) 9. Fuse

The WBQ－Ⅱ shall be installed according to Fig. 1.

1). Working condition:

a. For outer-wheel driven type couplings, working fluid: mineral oil (see fig. 1)

b. Ambient temp.: -30℃~+70℃.

c. Condition without fierce vibration or shock.

2) Basic parameter:

Rated input voltage: 220V

Rated frequency: 50Hz　　power: <0.2W

Temp. inspection rage: regular range 110±5℃. Adjustable as per user requirement.

图— Fig.1

防喷装置安装图 Installation fig. of WBQ-Ⅱ anti-spray device

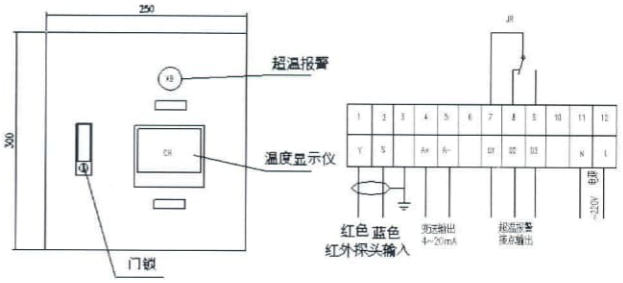
1.Ordinary fusible plug　2.Special fusible plug　3.Lever　4.Switch

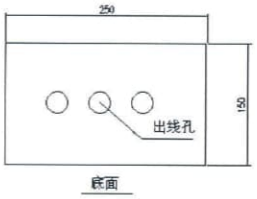
5. Mounting bracket　6.Annouciator　7.Alarm (red light)　8.working(green light)　9.Insurance tube.

### 2、红外温度监控系统 Infrared temp. monitoring system

红外温度监控系统由一个红外探头和一台监控箱组成。它使用红外测温探头，不接触液偶而通过测量液偶发射的红外辐射强度计算出物体的表面温度。其最大优点是用户非常方便的测量正在旋转移动的液偶表面温度。通过监控箱的数字表显示液偶实时温度并根据设定的温度限值，超温后即输出报警。

Infrared temp. monitoring system consists of an infrared probe and a monitoring cabinet. With the infrared probe, it detects the surface temp. by receiving the radioactive strength of the fluid couplings while no direct contact is needed. It is convenient for user to check the temp. of fluid couplings under rotating working condition. Seen from the monitoring cabinet, real-time monitoring can be fulfilled and alarm if temp. exceeds.




监控箱参数：

1.额定输入电压：交流220V，额定频率：50Hz

2.报警输出的触头容量：~250V/5A

3.可输出4~20mA信号

4.温度测量范围：0~300℃.

5.环境温度:0~60℃。相对湿度：10~95%（不结露）

6.监控箱外形尺寸：300*250*150.前开门墙挂式。

Monitoring cabinet parameter:

1. Rated input voltage 220V and rated frequency 50Hz

2. Contact capacity of alarm output: 250V/5A

3. Output signal 4-20mA

4. Temp. inspection range: 0~300℃

5. Ambient temp.:0-60℃. Relative humidity: 10~95% (no frost)

6. Dimensions of monitoring cabinet: 300*250*150. Front door and wall hung type.

超温报警：Temp. Exceeds and alarm

温度显示仪：Temp. Indicator

红色：Red

蓝色：Blue

红外探头输入：Input of infrared probe

出线孔：Wire hole

底面：Bottom side

接线图:Connecting figure

门锁：Door Lock

电源：Power

变送输出：Output 4-20mA

超温报警接点输出：Contact point output of Alarm

## 二十七、YOX系列限矩型液力偶合器与德国福伊特公司产品对应表

Zhongxing 's Yox Couplings Compared to Voith's Couplings

| 广东中兴液力传动有限公司型号 Zhongxing's size | 德国福伊特公司型号 Voith's Size |
|---|---|
| YOP150, YOPs150, YOXn150 | 154T, 154DT, 154TR |
| YOP200, YOPs200, YOXn200 | 206T, 206DT, 206TR |
| YOP280, YOPs280, YOXn280 | 274T, 274DT, 274TR |
| YOP360, YOX360, YOXv360, YOXvn360 | 366T, 366TV, 366TVV, 366TR |
| YOP420, YOX420, YOXv420, YOXvs420 | 420T, 420TV, 420TVV, 420TVVS |
| YOP487, YOX487, YOXv487, YOXvs487 | 487T, 487TV, 487TVV, 487TVVS |
| YOP560, YOX560, YOXv560, YOXvs560 | 562T, 562TV, 562YVV, 562TVVS |
| YOP650, YOX650, YOXv650, YOXvs650 | 650T, 650TV, 650TVV, 650TVVS |
| YOP750, YOX750, YOXv750, YOXvs750 | 750T, 750TV, 750TVV, 750TVVS |
| YOP875, YOX875, YOXv875, YOXvs875 | 866T, 866TV, 866TVV, 866TVVS |
| YOP1000, YOX1000, YOXv1000, YOXvs1000 | 1000T, 1000TV, 1000TVV, 1000TVVS |
| YOP1150, YOX1150, YOXv1150, YOXvs1150 | 1150T, 1150TV, 1150TVV, 1150TVVS |
| YOP1250, YOX1250, YOXv1250, YOXvs1250 | 1250T, 1250TV, 1250TVV, 1250TVVS |
| YOP1320, YOX1320, YOXv1320, YOXvs1320 | 1320T, 1320TV, 1320TVV, 1320TVVS |

## 二十八、定货说明：

1、在无特殊要求的情况下，可根据电动机的转速和传递功率在规格选用表或功率特性图中选定液力偶合器。

2、订货时请提供电机及工作机（或减速器）的轴伸尺寸，包括轴径及公差配合（不注明公差配合则孔按G7加工），配合长度，宽和深。

3、本公司可按用户要求生产任何形式的各规格偶合器。

4、本公司可配套防止偶合器喷液的WBQ-II电子防喷装置。

## Notes:

1.Without special requirements, the following technical date sheet and power chart are used to seleet the proper size of fluid coupling according to the power transmitted and the speed of motor.

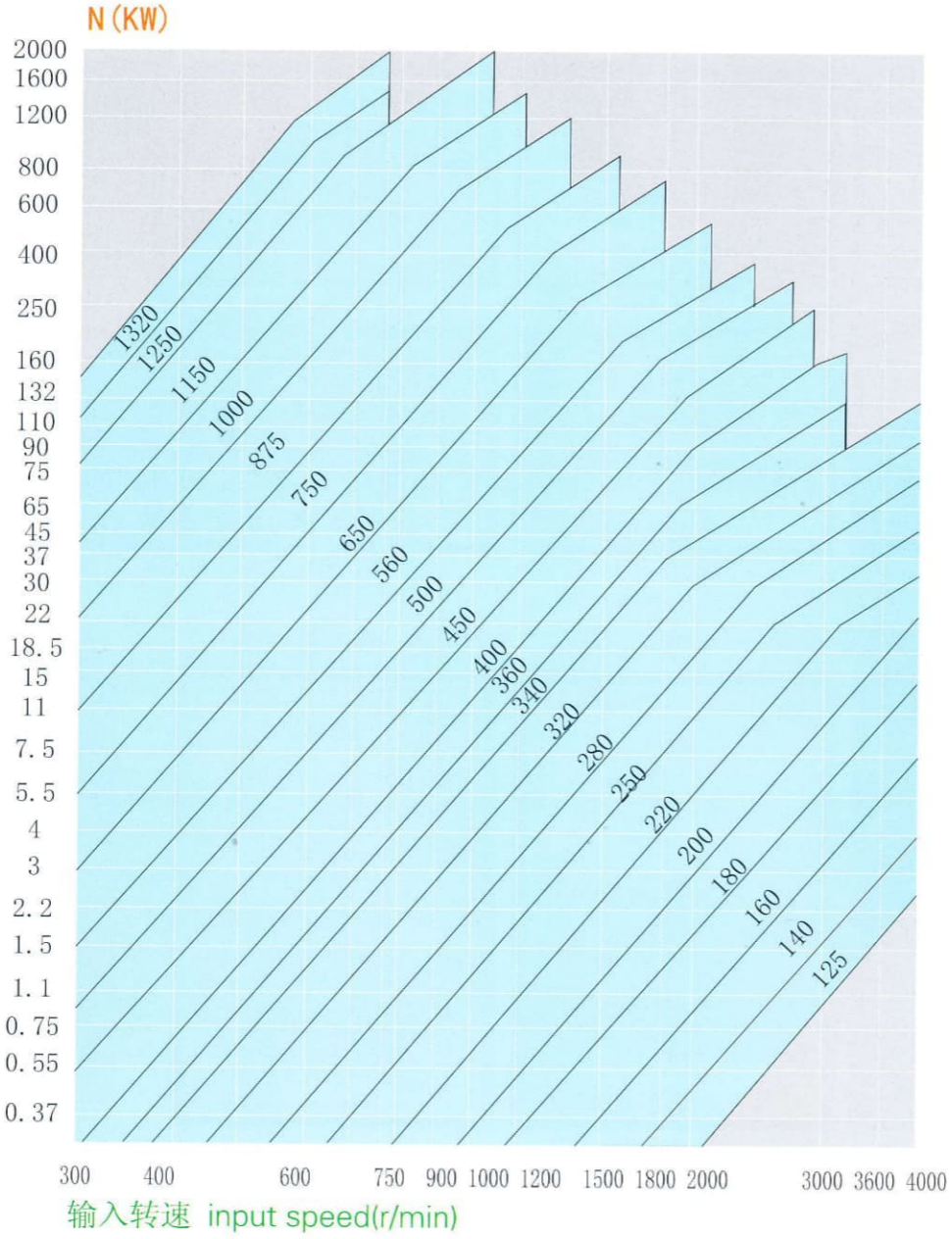
2.When ordering, please specify the dimensious of the shafe ends of motor and driven machire(or reducer)including diameter, to lerance or fit of the shafts(if no tolerance or fit is specified, the bore will be machined to G7),fit length of the shafts, width and depth of the keys.

3.Couplings in and specification and any form can be made with user's reauirement.

4.WBQ-II electrical sprayproof device is availabe to prevent coupling from spraying.

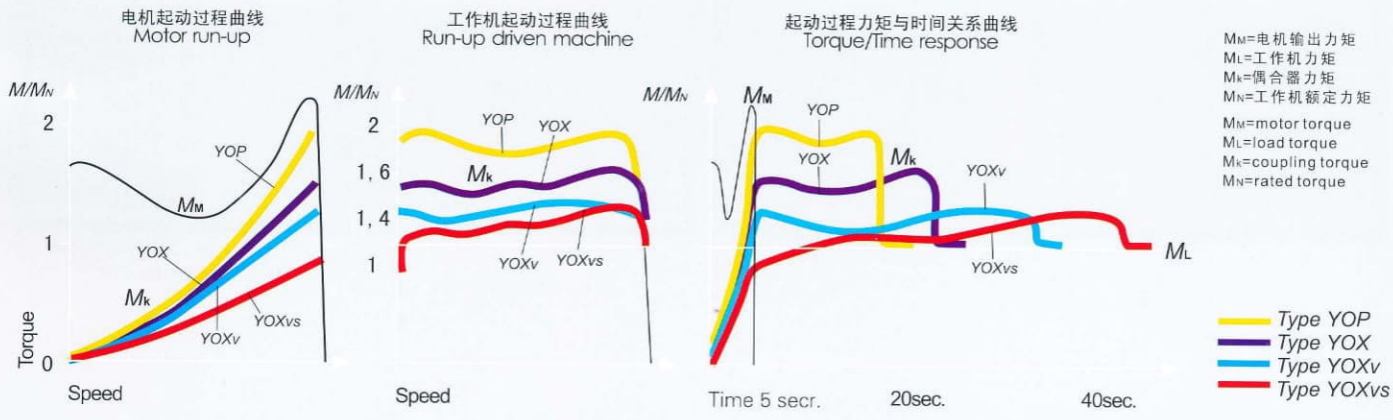
## 二十九、YOX系列限矩型液力偶合器功率

### Power Diagram of YOX series constant fillin




## 三十、YOX系列限矩型液力偶合器的起动特性:

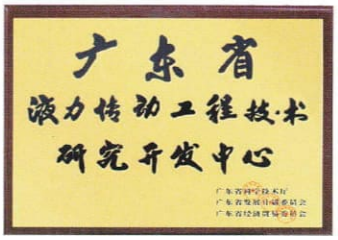
### In the table below different types of couplings and their starting Conditions can be compared.



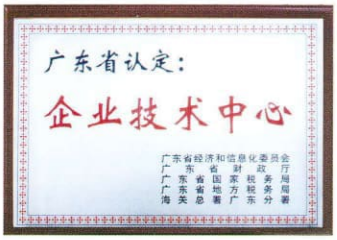
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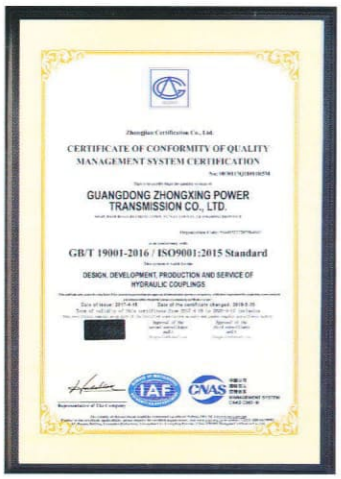

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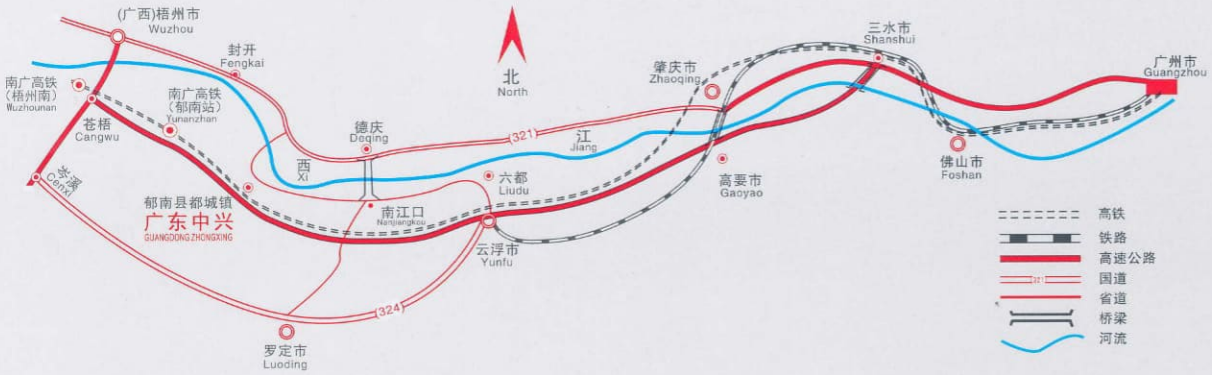
偶合器的出厂试验
Test of the couplings



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