凯米传动
KAMI DRIVE

KAMIDRIVE
中空旋转平台领航者

产品综合目录
PRODUCT CATALOG

KAMIDRIVE Hollow Rotary Platform Reducer

☎ 0769-81881093
http://www.kamidrive.com/
广东省东莞市大岭山镇杨朗路君山科技园

VINAPOWER AUTOMATION CO., LTD
Address: No. 43 Manor 2 Street, Sunrise I, The Manor Central Park, Dai Kim, Hoang Mai District, Hanoi City, Vietnam.
Hotline: 0964.468.213
Email: vinapower@vpfuji.vn
Website: vpfuji.vn

VINAPOWER AUTOMATION CO., LTD

公司简介 Company profile

Guangdong Kami Transmission Technology Co., Ltd. specializes in the production of of high-precision hollow rotary platforms and planetary reducers. It is a Chinese-Japanese joint venture invested by Fuji FA System Control Co., Ltd. of Japan. We integrate R&D, design, production, sales and service. We introduce mature and stable processing, production concepts of Japanese companies. The products are widely used inCNC machine tools, cutting machines, welding machines, packaging and printing machines, textile machines, woodworking machines, industrial robots, semiconductor machinery, lithium batteries, 3C production lines, etc. At present, the company has registered many of trademarks, utility patents and invention patents in China, Southeast Asia, the Middle East, Europe and other places. We will continue to invest more in R&D and product innovation, emphasizing product perfection to contribute to the intelligent development of technology in the world.

The company's headquarters is located in Dongguan, Guangdong - a famous manufacturing city in China. We utilize the supporting economic and geographical transportation advantages to radiate the national and overseas markets. Besides, in order to better serve the pre-sales and after-sales requirements of agents and customers, we have established offices in the following regions: Beijing Office, Xi'an Office, Shanghai Office, Wuxi Office, Quanzhou Office, Guangzhou Office, Shenzhen Office, Chongqing Office, and Hong Kong Office

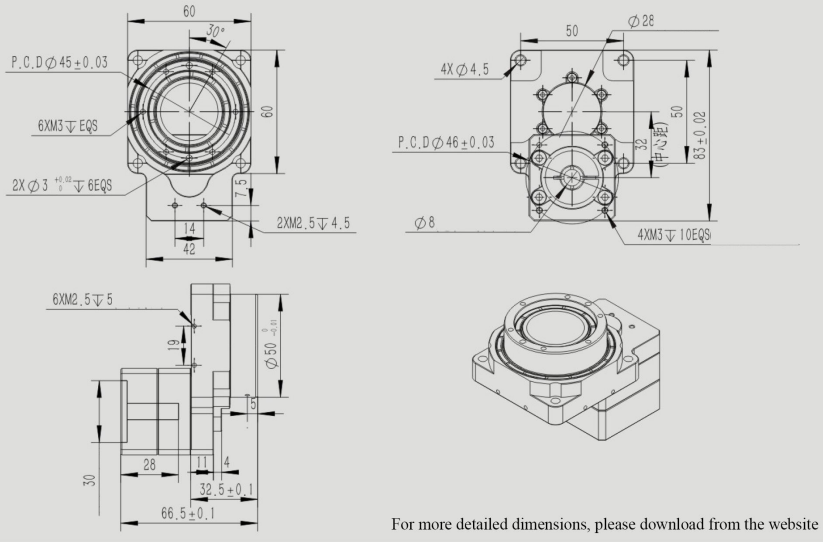
- Company philosophy: Sincere, courageous, and responsibility.
- Company product policy: Excellence and continuous innovation
- Company product positioning: High quality, high precision and high efficiency

目录 CATALOGUE

KTN60-5K-SV

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	60	05K	Various brands servo motor 50 -100W/Step motor size 42

Specification	
Motor specification	Various brands servo motor 50 -100W/Step motor size 42
Bearing structure	Crossed Roller Bearing
Allowable torque	5.2N.m
Alllowable speed	250rpm
Reduction ratio	1:5
Allowable axial load	250N
Posiitoning accuracy	±15arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	0.8KG

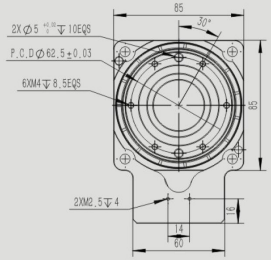


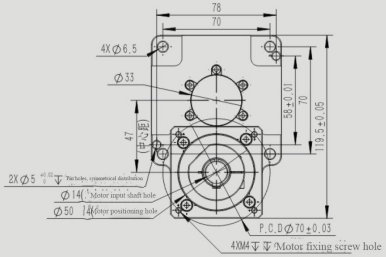
For more detailed dimensions, please download from the website

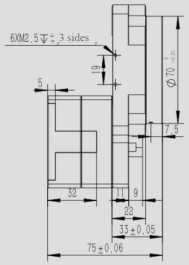
KTN85-5K-SV

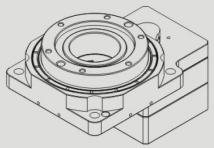
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	85	05K	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200 -400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	8N.m
Alllowable speed	250rpm
Reduction ratio	1:5
Allowable axial load	500N
Posiitoning accuracy	±15arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	1.3KG









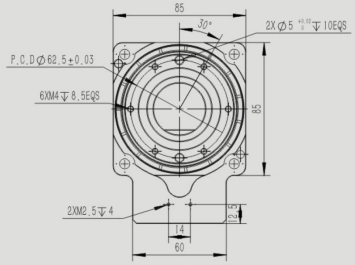
For more detailed dimensions, please download from the website

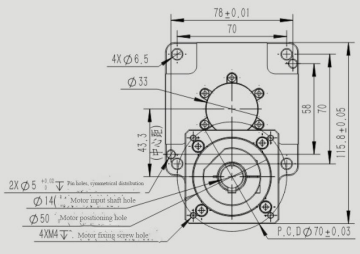
KTN series hollow rotating platform—equipped with servo/stepper motor
凯米传动 KAMI DRIVE

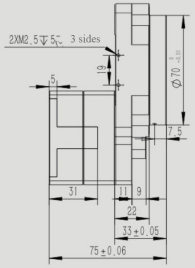
KTN85-10K-SV

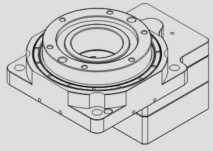
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	85	10K	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200 -400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	8N.m
Alllowable speed	250rpm
Reduction ratio	1:10
Allowable axial load	500N
Posiitoning accuracy	±15arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	1.3KG







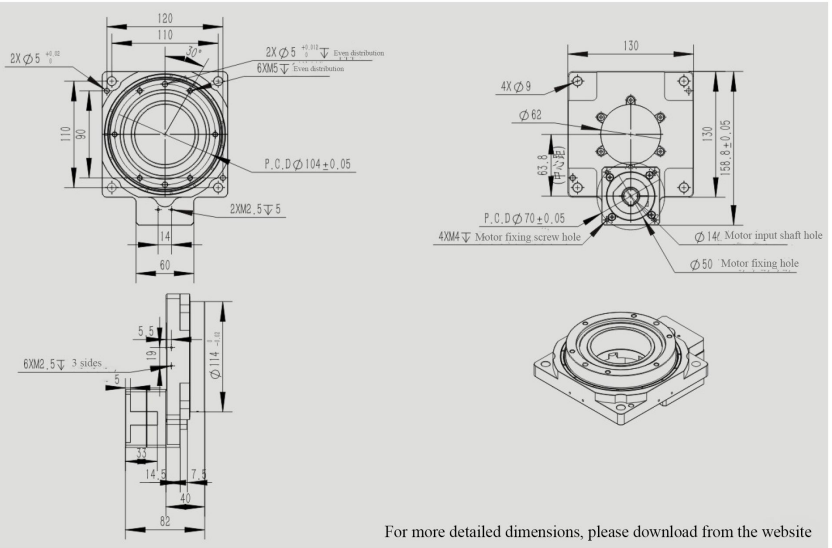


For more detailed dimensions, please download from the website

KTN130-10K-SV

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	130	10K	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200 -400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	32N.m
Alllowable speed	250rpm
Reduction ratio	1:10
Allowable axial load	2000N
Posiitoning accuracy	±15arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.005mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	2.5KG

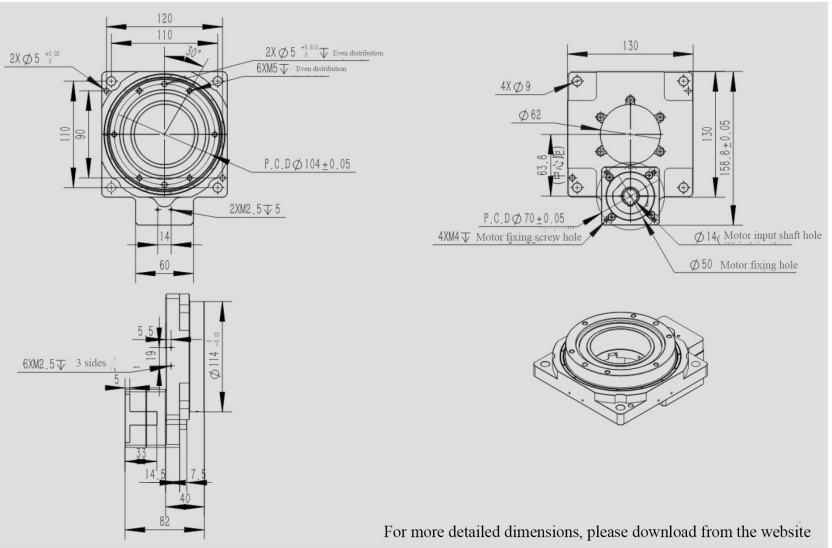


For more detailed dimensions, please download from the website

KTN130-18K-SV

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	130	18K	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200 -400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	32N.m
Alllowable speed	250rpm
Reduction ratio	1:18
Allowable axial load	2000N
Posiitoning accuracy	±15arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.005mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	2.5KG

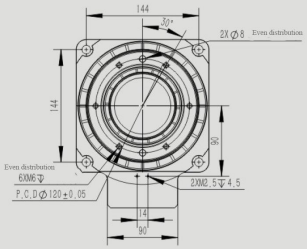


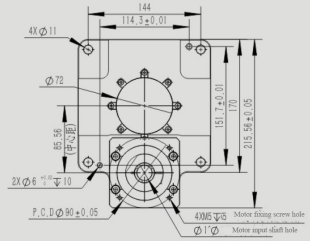
For more detailed dimensions, please download from the website

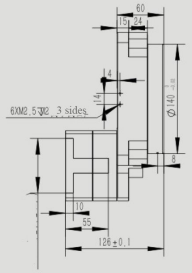
KTN170-10K-SV

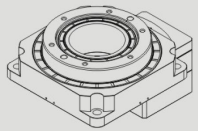
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	170	10K	Various brands servo motor 750W

Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	48N.m
Alllowable speed	200rpm
Reduction ratio	1:10
Allowable axial load	3000N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	7KG









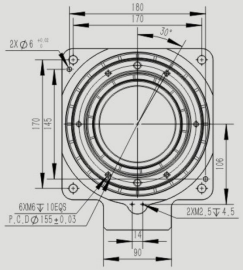
For more detailed dimensions, please download from the website

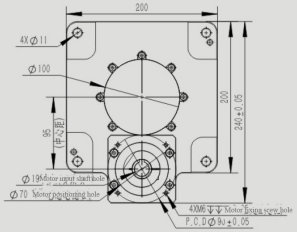
KTN series hollow rotating platform—equipped with servo/stepper motor
凯米传动 KAMI DRIVE

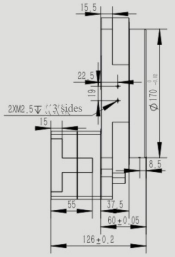
KTN200-10K-SV

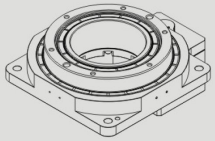
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	200	10K	Various brands servo motor 750W

Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	65N.m
Alllowable speed	200rpm
Reduction ratio	1:10
Allowable axial load	4000N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	7.8KG







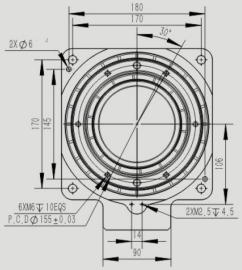


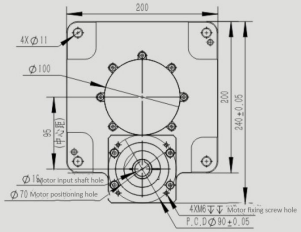
For more detailed dimensions, please download from the website

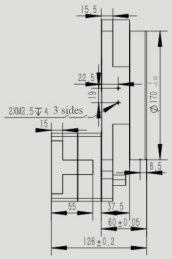
KTN200-18K-SV

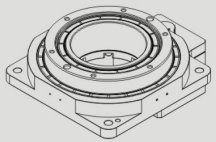
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	200	18K	Various brands servo motor 750W

Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	65N.m
Alllowable speed	200rpm
Reduction ratio	1:18
Allowable axial load	4000N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±5arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	7.8KG









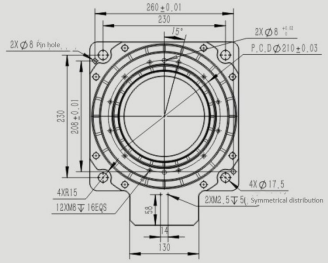
For more detailed dimensions, please download from the website

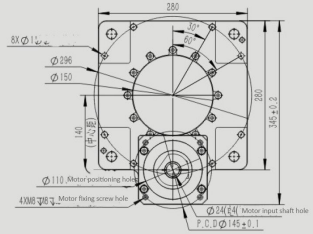
KTN series hollow rotating platform—equipped with servo/stepper motor
凯米传动 KAMI DRIVE

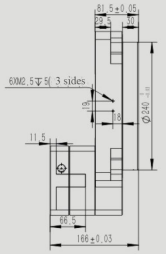
KTN280-10K-SV

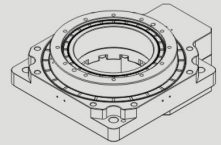
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	280	10K	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	86.7N.m
Alllowable speed	150rpm
Reduction ratio	1 : 10
Allowable axial load	4840N
Posiitoning accuracy	±60arcsec
Repeat positioning accuracy	±10arcsec
Rotating platform parallelism	0.005mm
Rotating platform concentricity	0.007mm
Protection level	IP63
Accuracy life	20000H
Mass	25KG







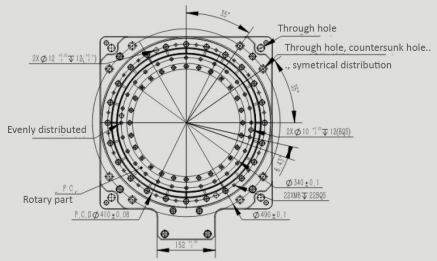


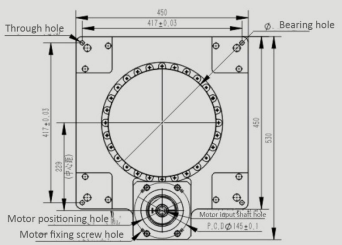
For more detailed dimensions, please download from the website

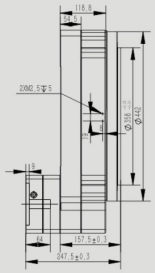
KTN450-10K-SV

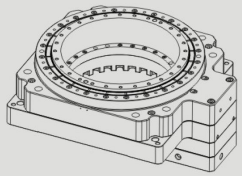
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	450	10K	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	156N.m
Alllowable speed	100rpm
Reduction ratio	1:10
Allowable axial load	10000N
Posiitoning accuracy	±80arcsec
Repeat positioning accuracy	±15arcsec
Rotating platform parallelism	±0.007mm
Rotating platform concentricity	±0.015mm
Protection level	IP63
Accuracy life	20000H
Mass	80KG



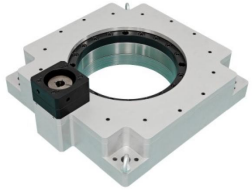






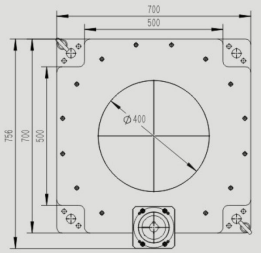
For more detailed dimensions, please download from the website

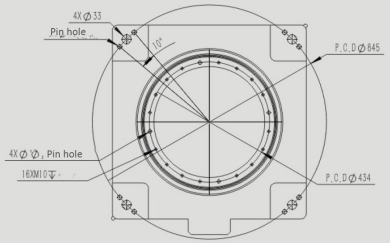
KTN700-20K-SV

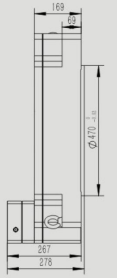


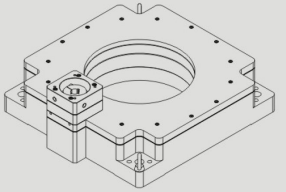
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	700	20K	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	197N.m
Alllowable speed	100rpm
Reduction ratio	1:20
Allowable axial load	13000N
Posiitoning accuracy	±95arcsec
Repeat positioning accuracy	±20arcsec
Rotating platform parallelism	±0.009mm
Rotating platform concentricity	±0.020mm
Protection level	IP63
Accuracy life	20000H
Mass	285KG







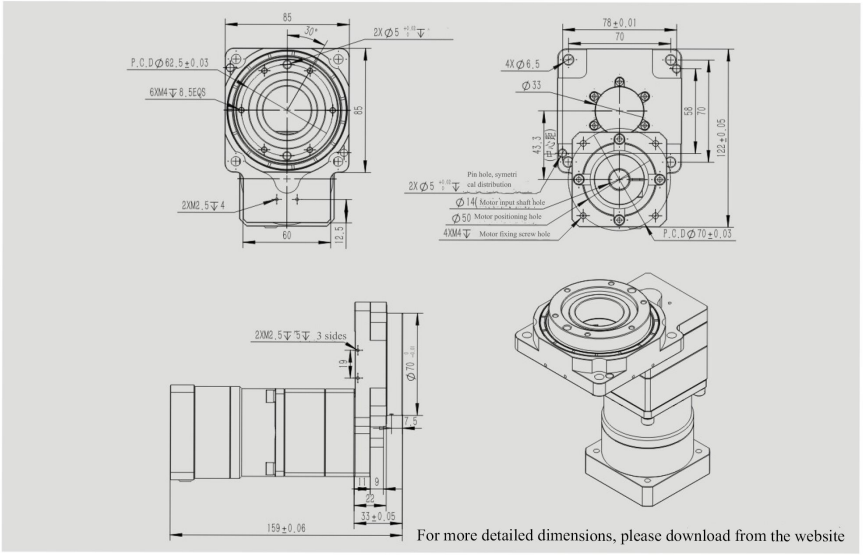


For more detailed dimensions, please download from the website

KTX85

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTX	85	1:30/40/50/70/100	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200-400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	8N.m
Alllowable speed	150rpm
Reduction ratio	1:30/40/50/70/100
Allowable axial load	500N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±15arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	2.5KG



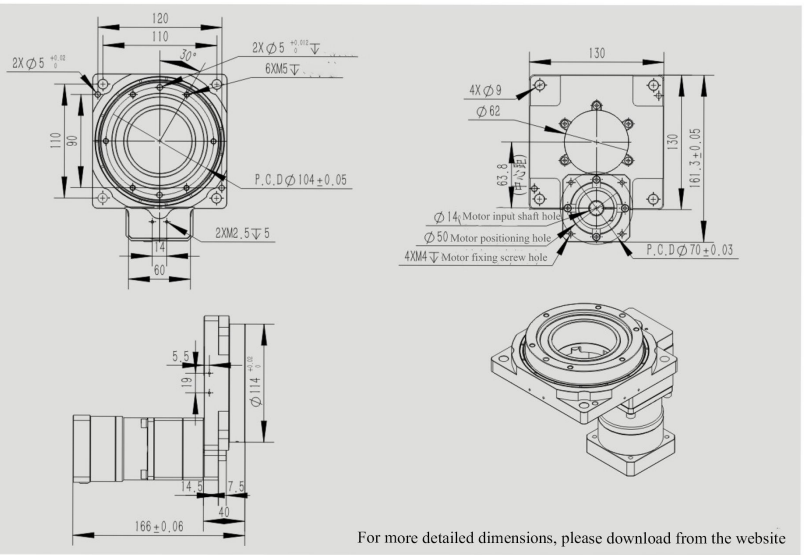
For more detailed dimensions, please download from the website

KTX series hollow rotating platform—equipped with plantary reducer + servo motor
凯米传动 KAMI DRIVE

KTX130

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTX	130	1:30/40/50/70/100	Various brands servo motor 200-400W/Step motor size 57

Specification	
Motor specification	Various brands servo motor 200-400W/Step motor size 57
Bearing structure	Crossed Roller Bearing
Allowable torque	32N.m
Alllowable speed	150rpm
Reduction ratio	1:30/40/50/70/100
Allowable axial load	2000N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±15arcsec
Rotating platform parallelism	±0.005mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	4KG

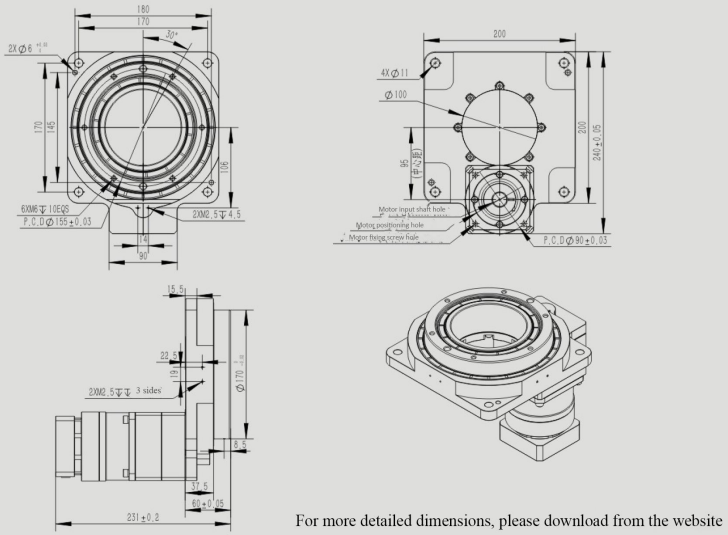


For more detailed dimensions, please download from the website

KTX200

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTX	200	1:30/40/50/70/100	Various brands servo motor 750W

Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	65N.m
Alllowable speed	150rpm
Reduction ratio	1:30/40/50/70/100
Allowable axial load	4000N
Posiitoning accuracy	±40arcsec
Repeat positioning accuracy	±20arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	12KG



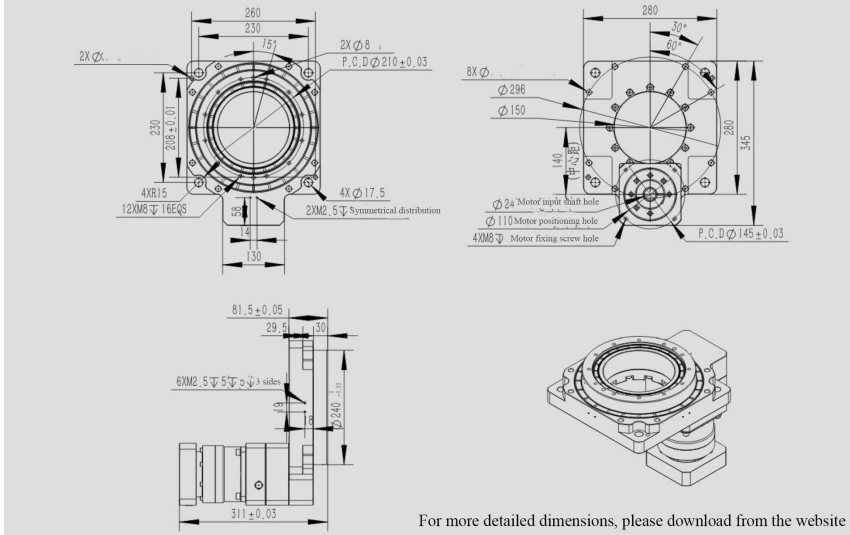
For more detailed dimensions, please download from the website

KTX series hollow rotating platform—equipped with plantary reducer + servo motor
凯米传动 KAMI DRIVE

KTX280

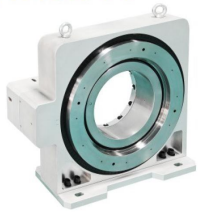
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTX	280	1:30/40/50/70/100	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	86.7N.m
Alllowable speed	150rpm
Reduction ratio	1:30/40/50/70/100
Allowable axial load	4840N
Posiitoning accuracy	±70arcsec
Repeat positioning accuracy	±20arcsec
Rotating platform parallelism	±0.005mm
Rotating platform concentricity	±0.007mm
Protection level	IP63
Accuracy life	20000H
Mass	28KG



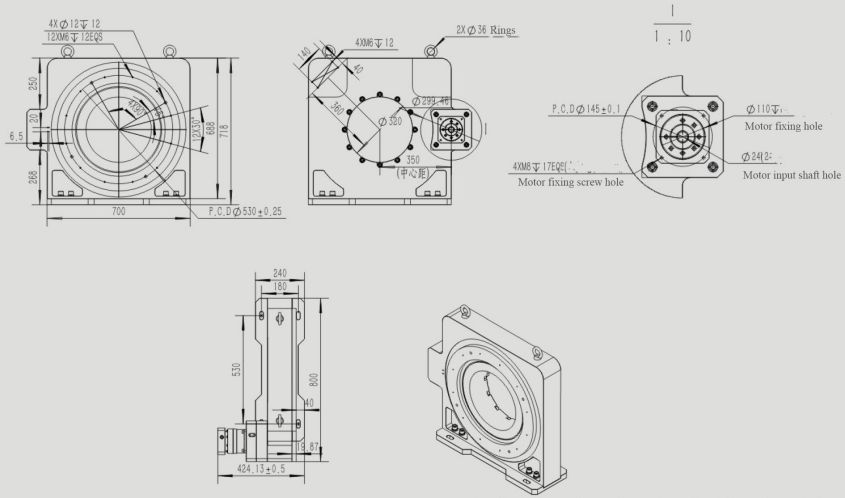
For more detailed dimensions, please download from the website

KTX700



How to order :			
Series	Dimension	Reduction ratio	Motor type
KTN	700	1:30/40/50/70/100	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	183N.m
Alllowable speed	100rpm
Reduction ratio	1:30/40/50/70/100
Allowable axial load	12000N
Posiitoning accuracy	±95arcsec
Repeat positioning accuracy	±20arcsec
Rotating platform parallelism	±0.009mm
Rotating platform concentricity	±0.020mm
Protection level	IP63
Accuracy life	20000H
Mass	275KG

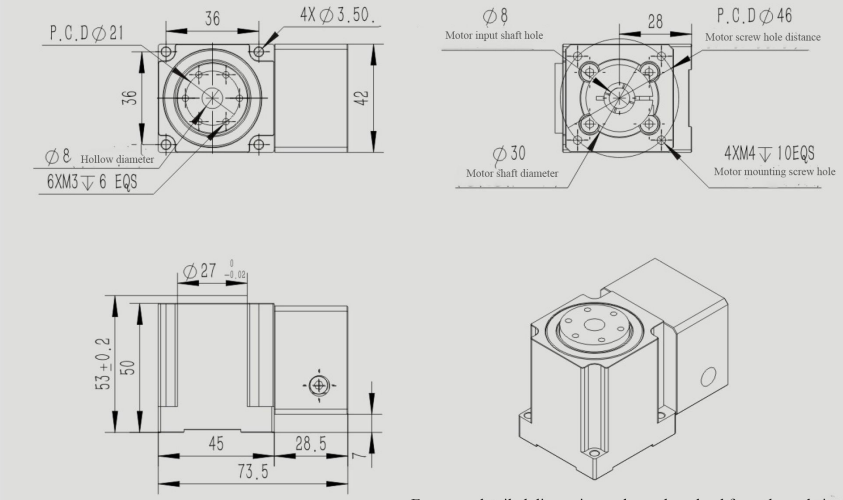


For more detailed dimensions, please download from the website

KTC40

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTC	40	5K	Various brands servo motor 50-100W/Step motor size 42

Specification	
Motor specification	Various brands servo motor 50 -100W/Step motor size 42
Bearing structure	Crossed Roller Bearing
Allowable torque	12N.m
Alllowable speed	200rpm
Reduction ratio	1:5
Allowable axial load	100N
Posiitoning accuracy	≤1arcmin
Repeat positioning accuracy	≤10arcsec
Rotating platform parallelism	≤0.01mm
Rotating platform concentricity	≤0.01mm
Protection level	IP63
Accuracy life	20000H
Mass	0.5KG

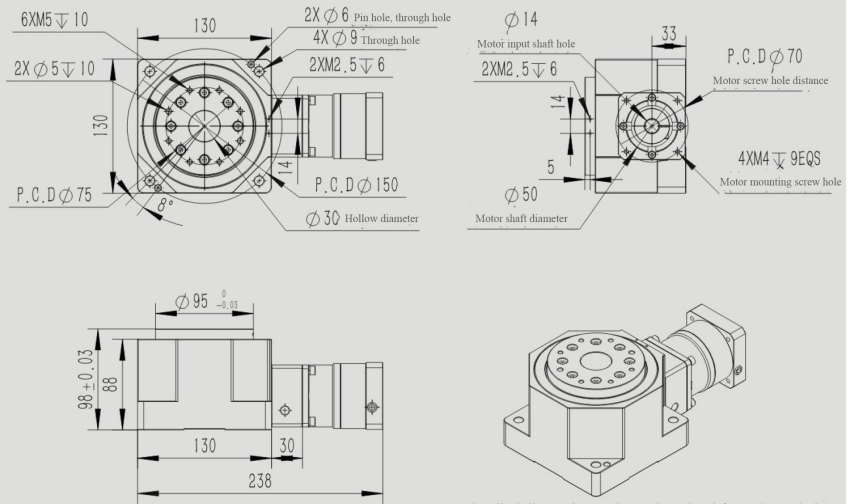


For more detailed dimensions, please download from the website

KTC60

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTC	60	1:9/12/15/21/30	Various brands servo motor 200-400W

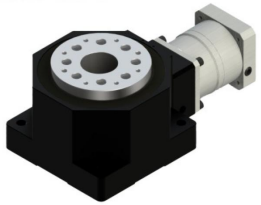
Specification	
Motor specification	Various brands servo motor 200-400W
Bearing structure	Crossed Roller Bearing
Allowable torque	30N.m
Alllowable speed	200rpm
Reduction ratio	1:9/12/15/21/30
Allowable axial load	5300N
Posiitoning accuracy	≤1arcmin
Repeat positioning accuracy	≤30arcsec
Rotating platform parallelism	≤0.01mm
Rotating platform concentricity	≤0.01mm
Protection level	IP63
Accuracy life	30000H
Mass	6.5KG



For more detailed dimensions, please download from the website

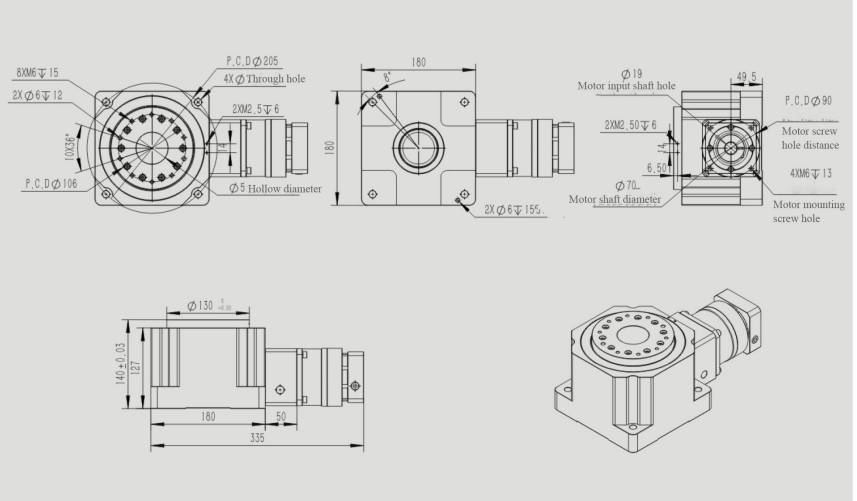
KTC series hollow rotating platform—equipped with servo or planetary reducer
凯米传动 KAMI DRIVE

KTC90



How to order :			
Series	Dimension	Reduction ratio	Motor type
KTC	90	1:9/12/15/21/30	Various brands servo motor 750W

Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	60N.m
Alllowable speed	200rpm
Reduction ratio	1:9/12/15/21/30
Allowable axial load	8500N
Posiitoning accuracy	≤1arcmin
Repeat positioning accuracy	≤30arcsec
Rotating platform parallelism	≤0.01mm
Rotating platform concentricity	≤0.01mm
Protection level	IP63
Accuracy life	30000H
Mass	16KG

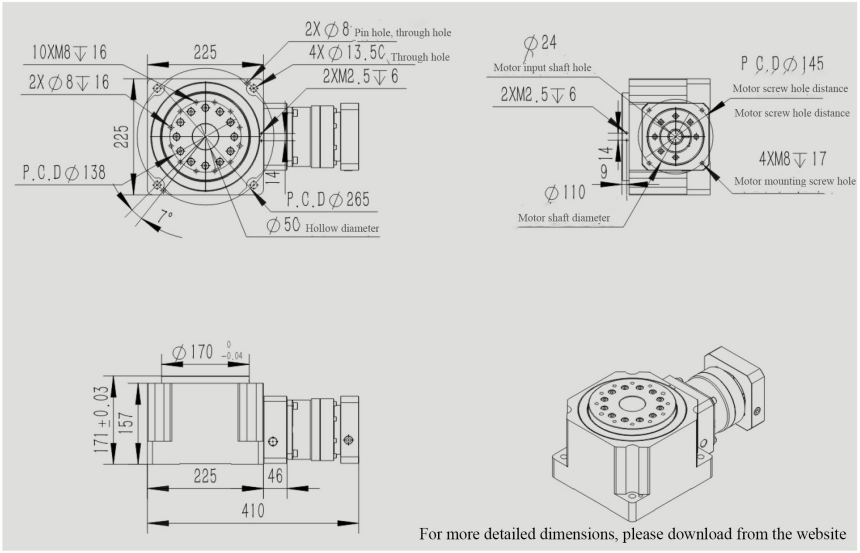


For more detailed dimensions, please download from the website

KTC120

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTC	120	1:9/12/15/21/30	Various brands servo motor 1000-2500W

Specification	
Motor specification	Various brands servo motor 1000-2500W
Bearing structure	Crossed Roller Bearing
Allowable torque	220N.m
Alllowable speed	200rpm
Reduction ratio	1:9/12/15/21/30
Allowable axial load	18000N
Posiitoning accuracy	≤1arcmin
Repeat positioning accuracy	≤30arcsec
Rotating platform parallelism	≤0.01mm
Rotating platform concentricity	≤0.01mm
Protection level	IP63
Accuracy life	30000H
Mass	36KG

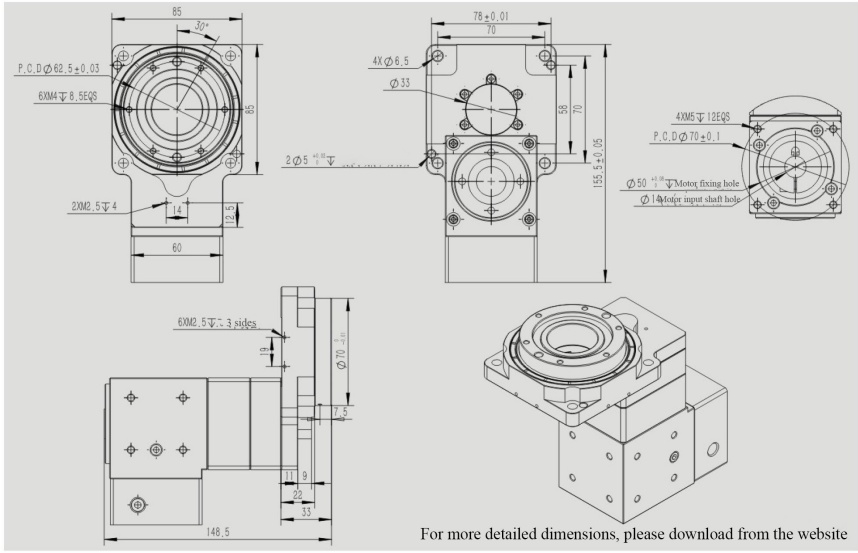


For more detailed dimensions, please download from the website

KTY85

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTY	85	20K/30K/50K	Various brands servo motor 200-400W

Specification	
Motor specification	Various brands servo motor 200-400W
Bearing structure	Crossed Roller Bearing
Allowable torque	8N.m
Alllowable speed	150rpm
Reduction ratio	1:20/30/50
Allowable axial load	500N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±15arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	3KG

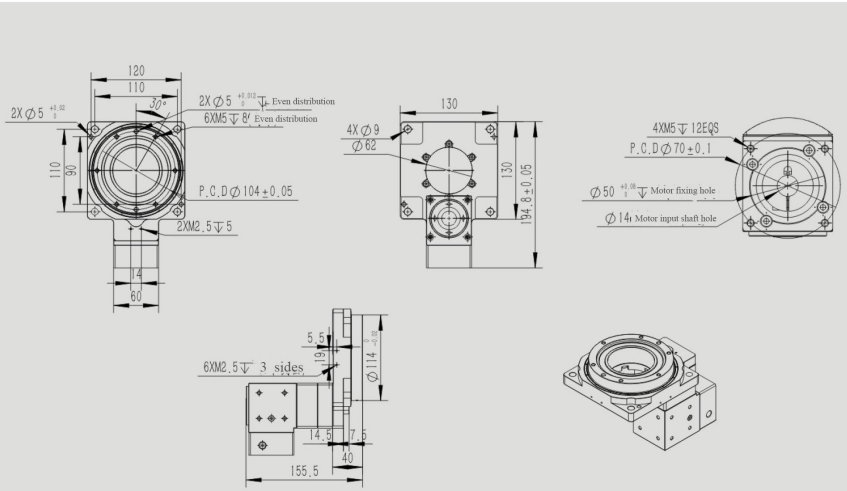


For more detailed dimensions, please download from the website

KTY130

How to order :			
Series	Dimension	Reduction ratio	Motor type
KTY	130	20K/30K/50K	Various brands servo motor 200-4000W

Specification	
Motor specification	Various brands servo motor 200-400W
Bearing structure	Crossed Roller Bearing
Allowable torque	32N.m
Alllowable speed	150rpm
Reduction ratio	1:20/30/50
Allowable axial load	2000N
Posiitoning accuracy	±30arcsec
Repeat positioning accuracy	±15arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.003mm
Protection level	IP63
Accuracy life	20000H
Mass	5KG



For more detailed dimensions, please download from the website

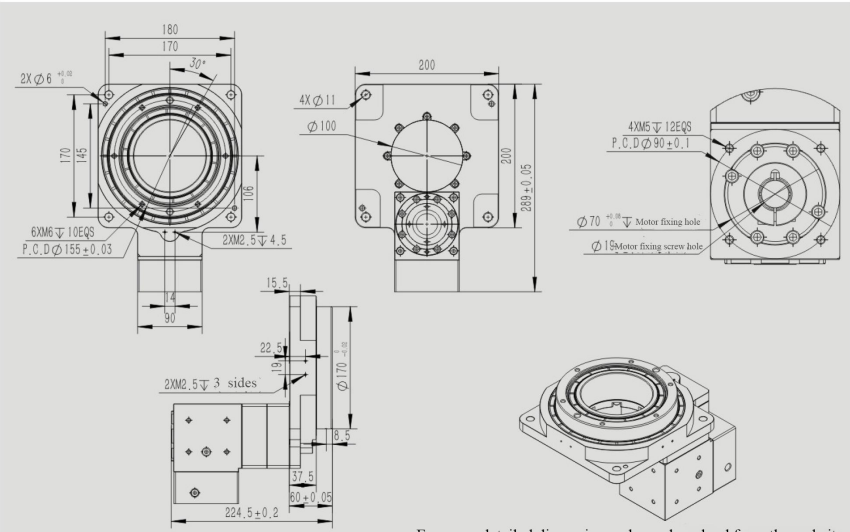
KTY series hollow rotating platform—with steering gear + servo motor

凯米传动 KAMI DRIVE

KTY200

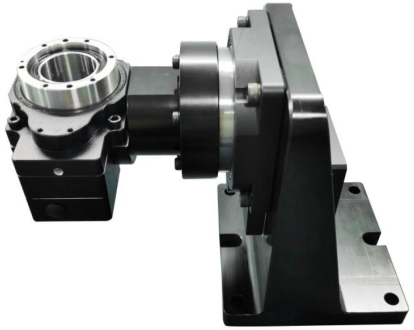
How to order :			
Series	Dimension	Reduction ratio	Motor type
KTY	200	20K/30K/50K	Various brands servo motor 750W

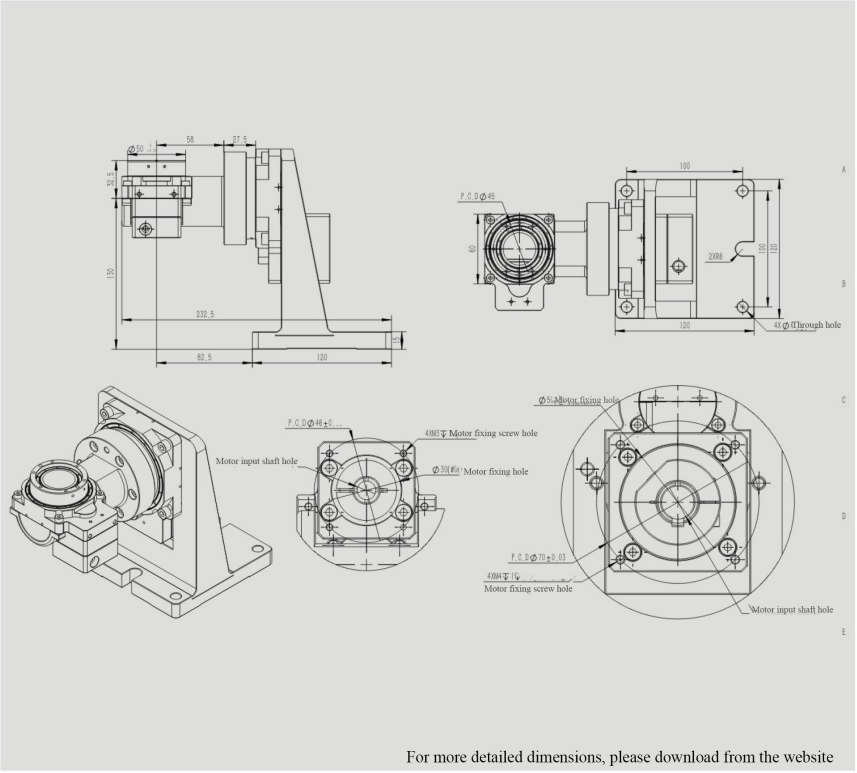
Specification	
Motor specification	Various brands servo motor 750W
Bearing structure	Crossed Roller Bearing
Allowable torque	65N.m
Alllowable speed	150rpm
Reduction ratio	1:20/30/50
Allowable axial load	4000N
Posiitoning accuracy	±40arcsec
Repeat positioning accuracy	±20arcsec
Rotating platform parallelism	±0.003mm
Rotating platform concentricity	±0.005mm
Protection level	IP63
Accuracy life	20000H
Mass	13KG



For more detailed dimensions, please download from the website

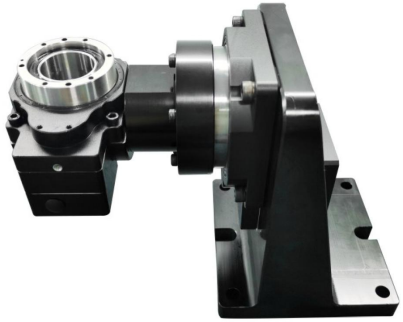
4 or 5 axis 60 - 5 K/ 85 -10 K

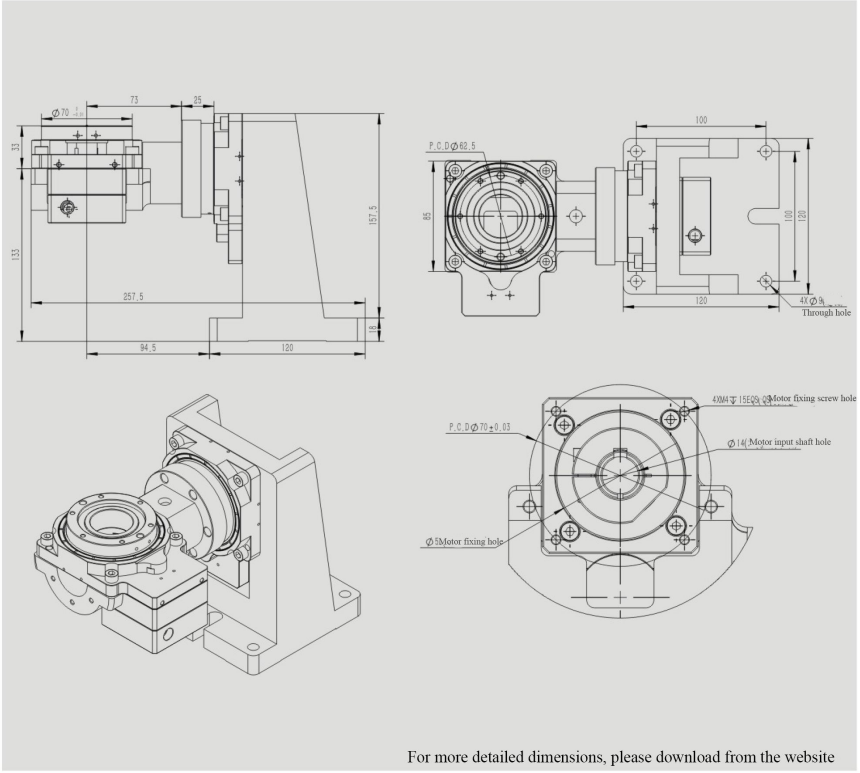




For more detailed dimensions, please download from the website

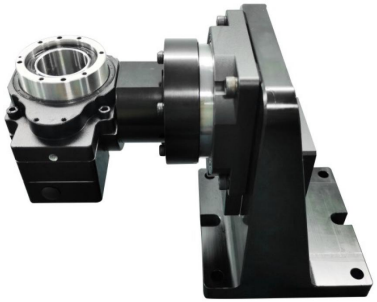
4 or 5 axis 5 - 5 K/ 85 -10 K

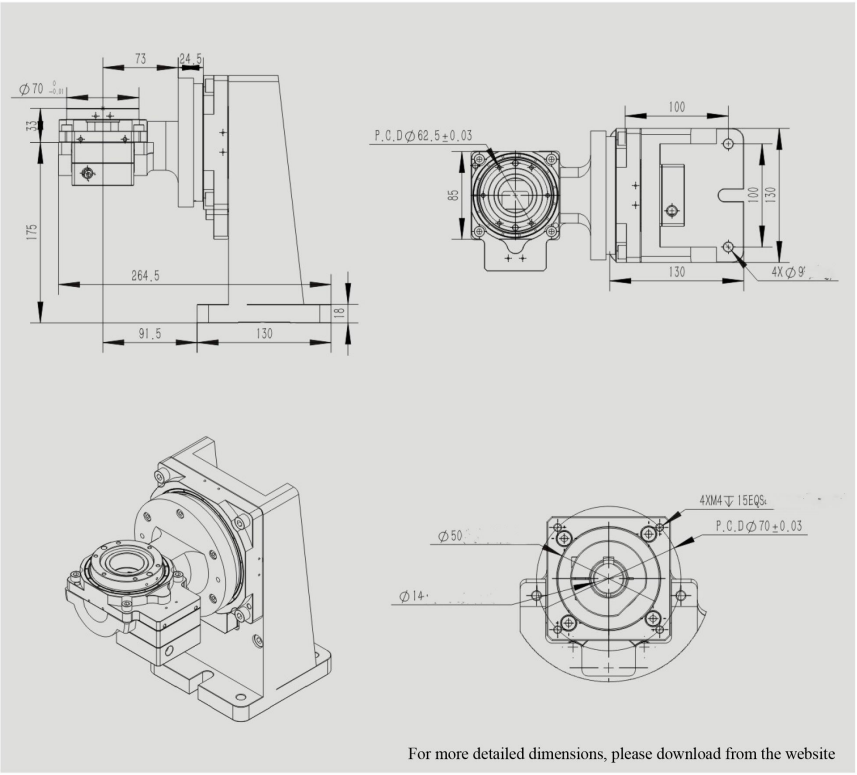




For more detailed dimensions, please download from the website

4 or 5 axis 85 - 10 K/ 130 -188 K

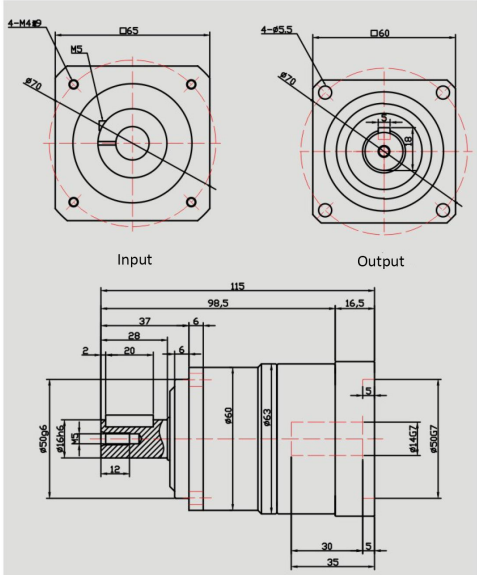




For more detailed dimensions, please download from the website

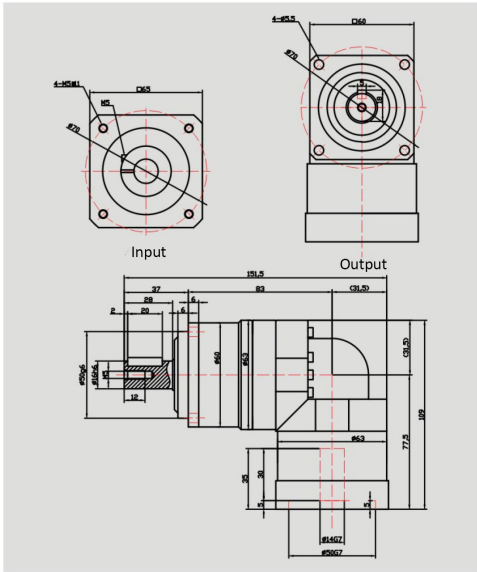
KB060

Specification					
Reduction ratio	3	4	5	7	10
Rated output torque (Nm)	19	28	28	28	19
Maximum output torque (Nm)	37	52	52	52	37
Radial force (N)	430	470	510	570	640
Axial force (N)	310	360	390	460	530
Rated input speed(rpm)	3000				
Maximum input speed (rpm)	6000				
Tightening screw torque (Nm)	10				



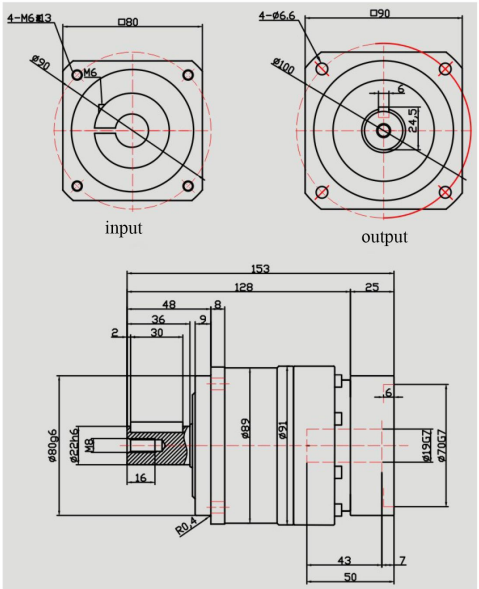
KBR060

Specification					
Reduction ratio	3	4	5	7	10
Rated output torque (Nm)	13	17	23	25	17
Maximum output torque (Nm)	26	34	46	46	33
Radial force (N)	430	470	510	570	640
Axial force (N)	310	360	390	460	530
Rated input speed(rpm)	3000				
Maximum input speed (rpm)	6000				
Tightening screw torque (Nm)	10				



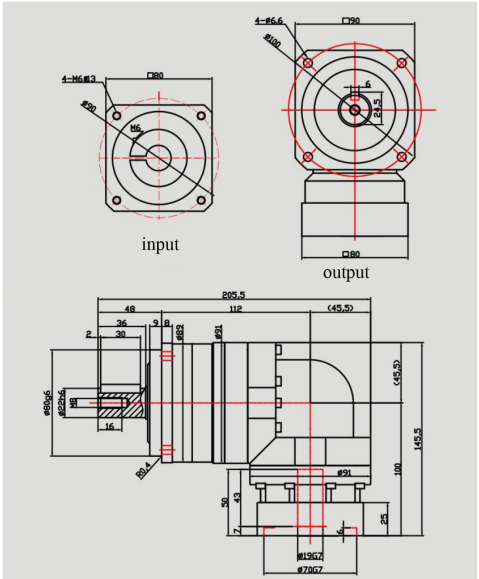
KB090

Specification						
Reduction ratio	3	4	5	7	8	10
Rated output torque (Nm)	52	78	78	78	78	52
Maximum output torque (Nm)	84	130	130	130	130	84
Radial force (N)	810	890	960	1100	1100	1200
Axial force (N)	930	1100	1200	1300	1400	1600
Rated input speed(rpm)	3000					
Maximum input speed (rpm)	6000					
Tightening screw torque (Nm)	10					



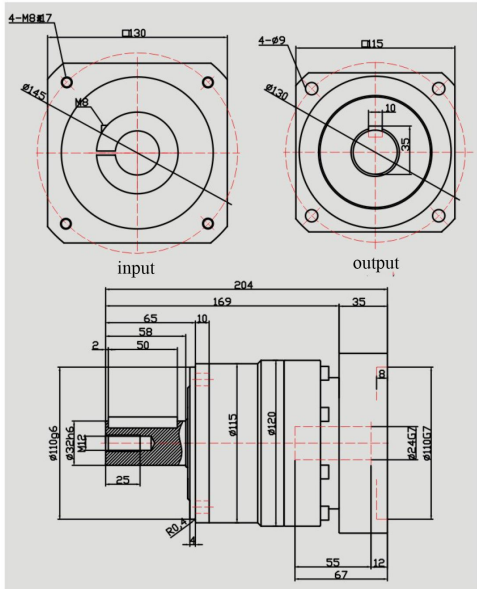
KBR090

Specification						
Reduction ratio	3	4	5	7	8	10
Rated output torque (Nm)	46	62	66	66	66	46
Maximum output torque (Nm)	68	92	92	92	92	68
Radial force (N)	810	890	960	1100	1100	1200
Axial force (N)	930	1100	1200	1300	1400	1600
Rated input speed(rpm)	3000					
Maximum input speed (rpm)	6000					
Tightening screw torque (Nm)	20					



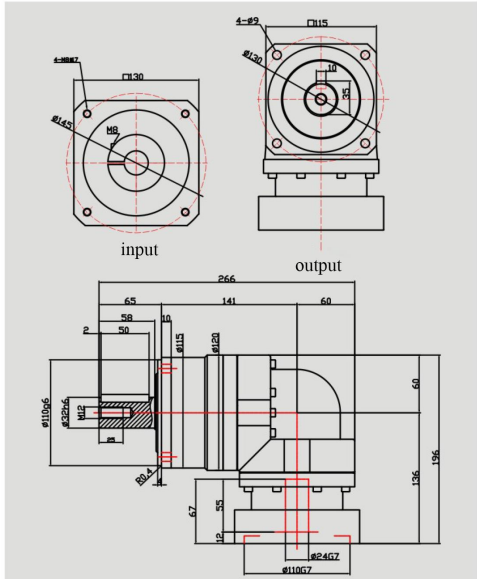
KB115

Specification					
Reduction ratio	3	4	5	7	10
Rated output torque (Nm)	126	126	189	189	126
Maximum output torque (Nm)	236	346	346	346	236
Radial force (N)	1300	1500	1600	1800	2000
Axial force (N)	1500	1700	1900	2100	2500
Rated input speed(rpm)	3000				
Maximum input speed (rpm)	6000				
Tightening screw torque (Nm)	40				



KBR115

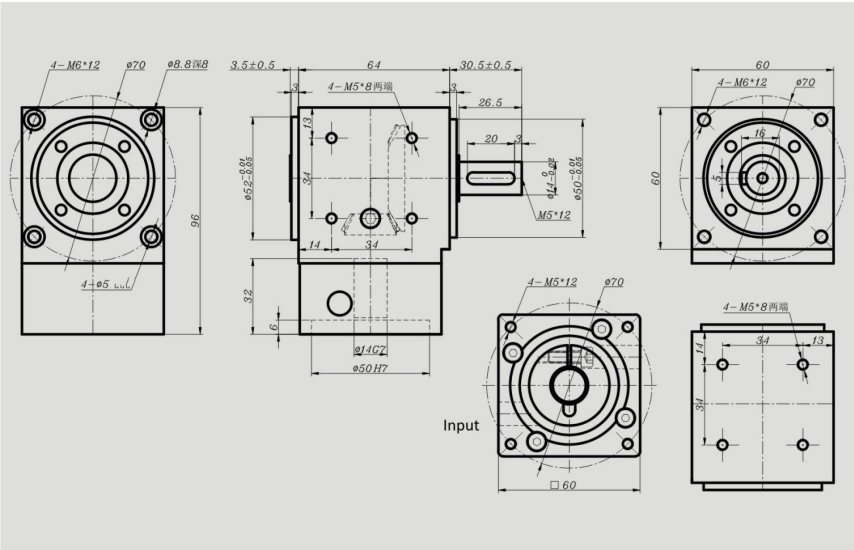
Specification					
Reduction ratio	3	4	5	7	10
Rated output torque (Nm)	80	110	130	160	120
Maximum output torque (Nm)	160	210	250	310	210
Radial force (N)	1300	1500	1600	1800	2000
Axial force (N)	1500	1700	1900	2100	2500
Rated input speed(rpm)	3000				
Maximum input speed (rpm)	6000				
Tightening screw torque (Nm)	40				



KBY060

How to order :			
Series	Dimension	Reduction ratio	Motor type
KBY	60	1:2K/3K/5K	Servo motor 200/400W

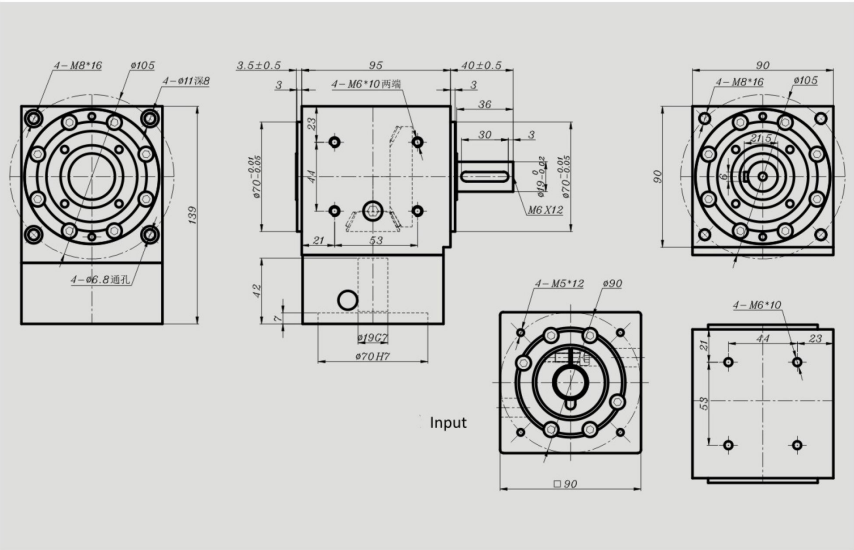
Specification			
Reduction ratio	2	3	5
Rated output torque (Nm)	35	30	25
Maximum output torque (Nm)	52	45	38
Radial force (N)	560		
Axial force (N)	230		
Rated input speed (rpm)	2000		
Maximum input speed (rpm)	3000		
Tightening screw torque (Nm)	10		



KBY090

How to order :			
Series	Dimension	Reduction ratio	Motor type
KBY	90	1:2K/3K/5K	Servo motor 750W

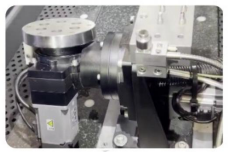
Specification			
Reduction ratio	2	3	5
Rated output torque (Nm)	50	45	40
Maximum output torque (Nm)	75	68	60
Radial force (N)	1050		
Axial force (N)	550		
Rated input speed (rpm)	2000		
Maximum input speed (rpm)	3000		
Tightening screw torque (Nm)	20		

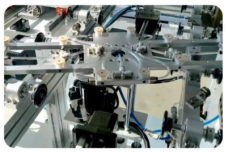


The hollow rotating platform is a new type of rotating load device, which combines high transmission efficiency, high precision, high rigidity and high cost performance, and combines the advantages of servo motors, cam dividers and direct drive motors.

The use of high-precision gears and cross roller bearings improves torque, rigidity and the load is more stable. It can be divided at any angle with a servo motor or a stepper motor, which can meet the arbitrary angle control that the divider cannot achieve, and the positioning accuracy is comparable to a direct drive motor, which can achieve precise positioning of the load.

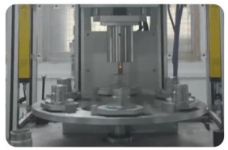

Welding machine


Sparking machine

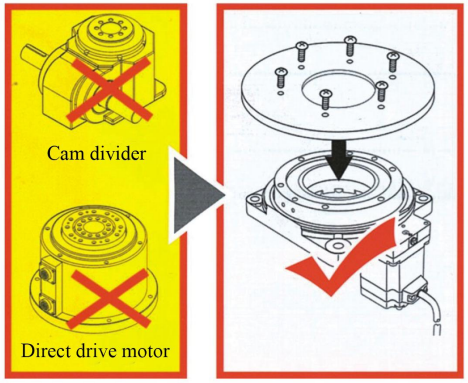

Cutting machine

Hollow rotating platform


Vision screening machine


Servo pressing machine


Paper cup forming machine



■ The durability of the device can be improved through the direct connection between the robot arm and the hollow rotating platform, thereby saving time and cost in the design and operation process compared to the use of mechanical tools such as conventional pulleys.

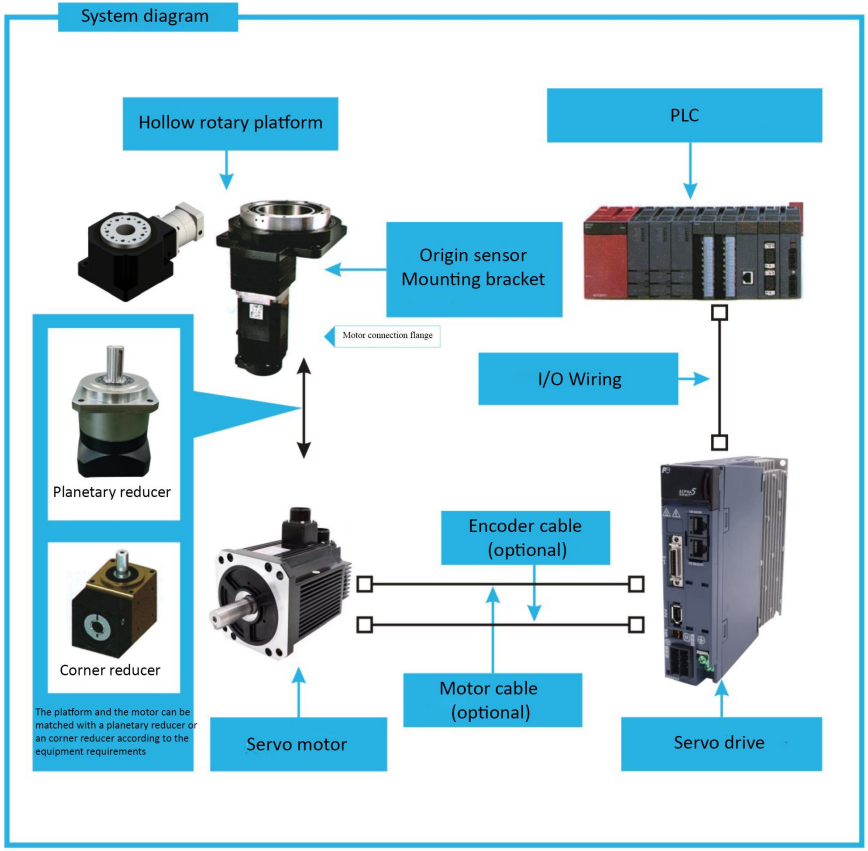
■ Motor configuration:
Suitable for various brands of stepper and servo motors

■ High precision positioning.
Positioning accuracy <=15 arcsec, repeat positioning accuracy at +/-5 arcsec

■ Large diameter hollow structure
Make the installation more convenient, particularly in complex wiring and piping environments.

Standard configuration	Platform body x 1	Optional accessories	Step, servo motor 
			Origin sensor 

System diagram



Motor type	Types of motors that the KAMI rotating device can be connected to
Rotating platform bearing	The type of bearing used in the rotating platform
Allowable torque	The mechanical strength critical value of the reduction mechanism, including acceleration torque and load inertia, must be used within this allowable torque range.
Allowable speed	The permissible value of rotation speed base on the mechanical conditions of rotating platform
Moment of inertia	The sum of the values of the motor rotor inertia and the reduction mechanism inertia converted on the rotating platform
Moment of inertia	The allowable value of the axial load acting on the axis of the rotary platform
Allowable inertial moment load	The allowable value of the moment of inertia load is calculated by multiplying the eccentricity of the center by the load when a load is applied at a position offset from the center of the rotating platform so that a force that causes the rotating platform to tilt acts
Positioning accuracy	The difference value between the theoretical rotation angle and the actual rotation angle of the rotary platform when locating any point within 360 degrees.
Repeat positioning accuracy	Indicates the difference value generated when positioning the same position repeatedly from the same direction
Rotating platform parallelism	The parallelism of the rotating platform relative to the base mounting surface during operation
Rotating platform concentricity	The concentricity difference value of the inner diameter and outer diameter of the rotating platform when there is no load
Allowable input speed	The allowable input speed is determined by the mechanical strength of the reducer structure
Backlash	It refers to the gear clearance of the rotating platform after the motor shaft is fixed
Breaking torque	When the product is subjected to this torque, the structure will be destroyed
Accuracy life	The product can maintain the exact life as designed in the normal use environment
Protection level	The machine protection structure based on IEC529, EN60034-5(=IEC60034-5) is dustproof and waterproof

Note 1: The units of torque are interchangeable

Torque unit	1 N.m	1 N.cm	1 kgf.m	1 kgf.cm	1 lbf.ft	1 lbf.in
1 N.m	1	10^2	0.10197	10.197	0.7376	8.8509
1 N.cm	10^{-2}	1	1.0197×10^{-3}	0.10197	7.376×10^{-3}	8.8509×10^{-2}
1 kgf.m	9.8066	980.665	1	10^2	7.233	86.79
1 kgf.cm	9.8066×10^{-2}	9.8066	10^{-2}	1	7.233×10^{-2}	0.8680
1 lbf.ft	1.356	1.356×10^2	0.1383	13.83	1	12
1 lbf.in	0.113	11.3	1.152×10^{-2}	1.152	8.333×10^{-2}	1

Note 2: How to express angle units

Angle Unit	Value	Symbol	Abbreviation
Degree	1/360 circle	°	Deg
Arcminute	1/60 degree	′	arcmin,amin,MOA
Arcsecond	1/60 arcminute	″	arcsec
One thousandth of an arcsecond	1/1000 arcsecond		mas

Note 03: IP protection level

IP Code	Dust protection (first digit)
IP 0 X	No dust protection
IP 1 X	Can block objects with a diameter of more than 50mm
IP 2 X	Can block objects with a length of more than 80mm, a diameter of more than 12mm
IP 3 X	Can block objects with a diameter and thickness of more than 2.5mm
IP 4 X	Can block objects with a thickness and diameter exceeding 1.0mm
IP 5 X	Prevents dust from entering and affecting the device
IP 6 X	Prevents all dust from entering

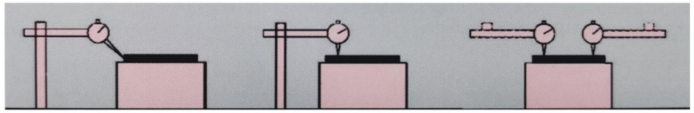
IP Code	Water resistance (Second digit)
IPX 0	No special protection function
IPX 1	Vertically failing water will not damage the product
IPX 2	When tilted at 15 degrees, it can still prevent water drops from entering
IPX 3	No damage from water spray within 60 degrees from vertical direction
IPX 4	No damage from water splashing from any direction
IPX 5	No damage from water sprayed directly onto the device
IPX 6	No water can enter the device
IPX 7	The device is not damaged when immersed in water under certain
IPX 8	Can be used underwater

Positioning accuracy detection

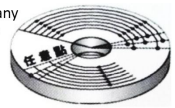
Disk concentricity detection ±0.002mm

Disc rotation amplitude ±0.002mm

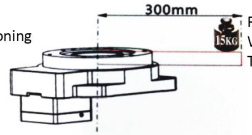
Parallelism between plate and base ±0.0015mm



Positioning accuracy at any point on outer diameter
Radius 65mm
≤1min

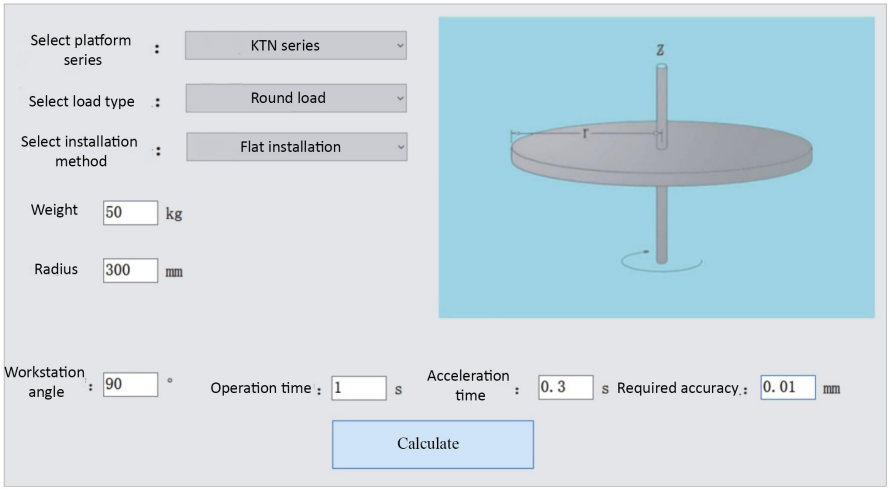


Repeated positioning accuracy
Radius 65mm
≤10sec



Radius suspension 300 mm
When the applied force is 15 kg
The outer edge is measured <=0.01 mm

Selection example



*For more technical information and 2D, 3D drawings please contact us

VINAPOWER AUTOMATION CO., LTD
Address: No. 43 Manor 2 Street, Sunrise I, The Manor Central Park, Dai Kim, Hoang Mai District, Hanoi City, Viet
Hotline: 0964.468.213
Email: vinapower@vpfuji.vn
Website: vpfuji.vn