



	SIZE 77	3 WAY SIZE 77	50/60/77
KT-05	DN15-40	DN25	DN50-80
KT-10	DN50-65	DN32-40	DN80-125
KT-20	DN65-80	DN50-65	DN150-200
KT-40	DN80-100	DN65-80	DN250
KT-60	DN100-125	DN80-100	DN300
KT-100	DN150-200	DN125-150	DN350-400
KT-200	DN250-300	DN200	DN450-500

Product Introduction

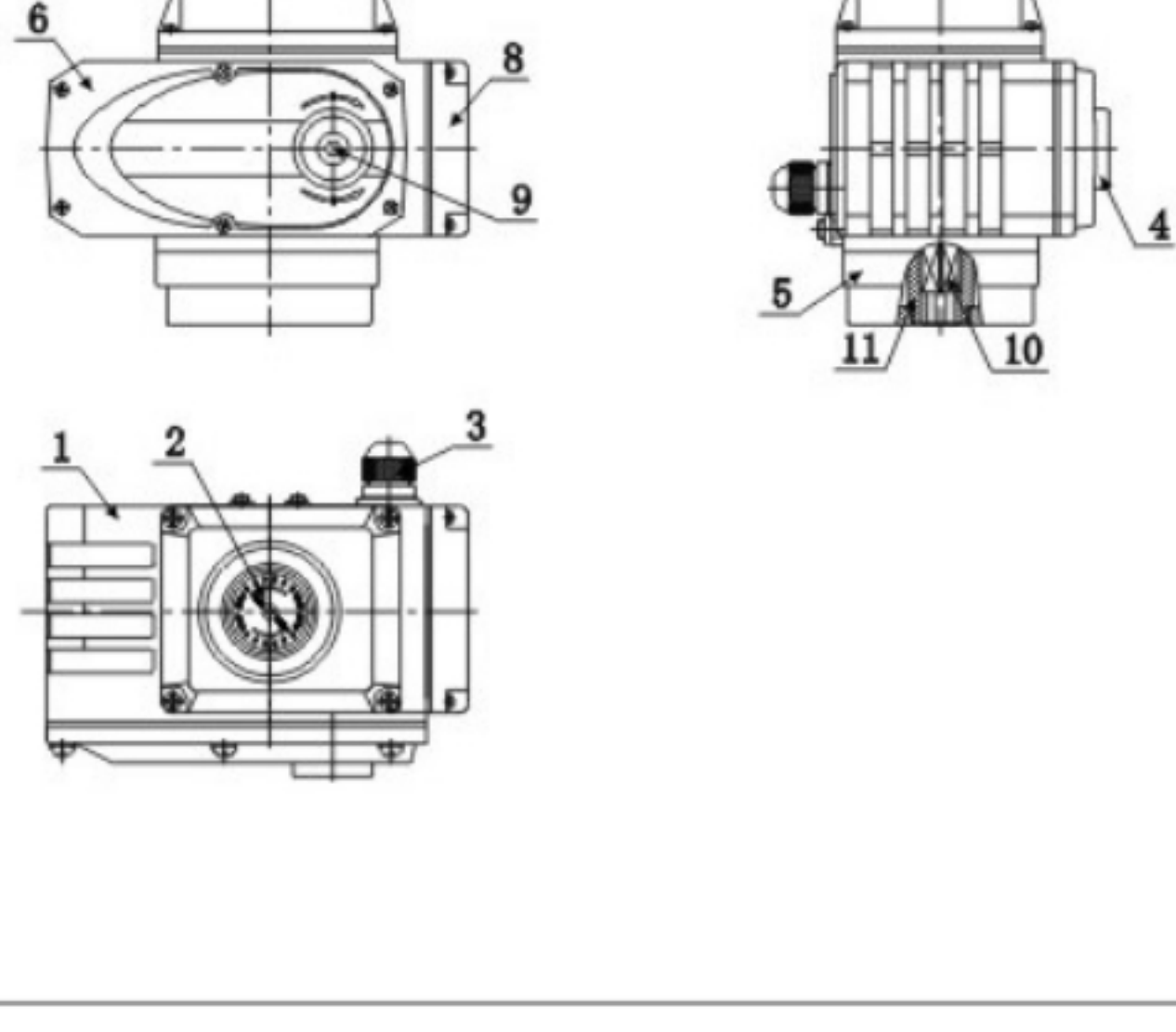
◆Powerful function: Modulating, proportional, on-off, and various output signal;h
◆Small Size: 35% smaller than other of the same kind;

- ◆Light Weight: 35% lighter than other of the same kind ;
- ◆Beautiful Appearance: Die-casting aluminium alloy cover can prevent disturbance of electromagnetic;
- ◆Precision and Wear-resistance: Integration of worm wheel and output axle avoids the separation among keys and the forged brass alloy material is featured by high strength and good wear-resistance;
- ◆Safety Guarantee: Tested by AC 1500V and can withstand it; F-grade insulation motor guarantees safe operation;
- ◆Easy to Form Complete Set: 110V, 220V, 380V alternate current and direct current are all available for simple connection;
- ◆Easy Application: No oil or point inspection is needed; waterproof, antirust and optional installation angle;
- ◆Protection Appliance: Double limits, over-hot protection, overload protection;
- ◆Various Motion Time: 9s, 13s, 15s, 30s, 50s, 100s (Set Before Delivery);
- ◆Antirust and Anti-corrosion: Whole machine support, coupler and screws are made of stainless steel;
- ◆Intelligent Numerical Control: Intelligently control module is built in the actuator body so that there is no need to mount positioner. Digit setting and adjusting, highly accuracy and self-diagnosis can be realized.

1	Case Body
2	Opening Mete

3	Inlet Wire Lock
4	Rubber Cover of Handle Shaft
5	No-Bracket Installation
6	Gear Box Cover
7	Electric Cover
8	Wiring Cover
9	Handle Shaft Cover
10	Output Shaft
11	Adapter

Overall Dimension

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KST-02	Technical drawing of KST-02 valve showing front, side, and top views with dimensions.
KST-05	Technical drawing of KST-05 valve showing front, side, and top views with dimensions.
KST-10	Technical drawing of KST-10 valve showing front, side, and top views with dimensions.
KST-20/40/60	Technical drawing of KST-20/40/60 valve showing front, side, and top views with dimensions.
KST-100/200	Technical drawing of KST-100/200 valve showing front, side, and top views with dimensions.

Model	KST-02
Power Supply(V)	AC85-260

Output Torque(N.m.)	6
Motion Scope(°)	0~90
Motion Time(S)	7 (second)
Rated Current(A)	0.2
Drive Motor(W)	4.6
Protection Device	Motor Protection Thermistor, Mechanical Limit Block at Both Open and Close Side
Opening Detection	Position Detection Components for Full Open and Close: a. Full Open: Red(LED) b. Full Close: Green(LED)
Output Signal	Output Signals for Full Open and Close (NPN Transistor, Collector Current, Emission Stage) (Connection Capacity:DC50V,20mA)
Application Environment	Temp:25℃ ~ +55℃ Humidity: 10~90%RH
Output Shaft	SUS303, Φ:12, Pitt:5, Depth:5
Handle Shaft	Hexagon Hole Opposite Angle: 4mm(With Lid)
Waterproof	JIS C0920 Grade 6 (IP 65)
Install direction	360-Degree Optional Direction
Distribution Cable	0.3 × 6 Core Cable 30cm
Body Material	Die-Casting Aluminium Alloy
Colour of Coating	Gray and White
Weight(kg)	0.5

Output Toque(Nm)	

Motor Pines(S)	7	20			
Rotary Angle (°)	0~360				
Motor Power(W)	10	15			
Rated Current(A)	0.5	2.2	0.48	0.24	0.15
Weight(kg)	2.3	2.7			
Insulation Resistance (MΩ)	DC24V: 100/250VDC AC110/220V/380V: 100/500VDC				
Voltage Resistance Class	DC24V: 500VAC, AC110/220V: 1500VAC, AC380V: 1800VAC. (1 Min.)				
Protection Class	IP68				
Installation Position	Optional Direction: 360°				
Electrical Connection	M18×1.5 Water-proof Cable Connectors, Electric Power Wire, Signal Wire				
Ambient Temp.	-30℃ ~ +60℃				
Circuit Control	B, S, K, R, A, D, H, T				
Optional Function	I. Over Torque Protectors II. Dehumidify Heater				

Model	
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Power Supply(V)	DC24	AC24	AC110	AC220	AC380
Output Torque(Nm)	100				
Motion Time(S)	10	30			
Rotary Angle (°)	0~360				
Motor Power(W)	20	25			
Rated Current(A)	0.85	3	0.7	0.32	0.2
Weight(kg)	4	4.3			
Insulation Resistance (MΩ)	DC24V: 100/250VDC AC110/220V/380V: 100/500VDC				
Voltage Resistance	DC24V: 500VAC, AC110/220V: 1500VAC, AC380V: 1800VAC .(1Min.)				
Protection Level	IP68				
Installation Position	360-Degree Optional Direction				
Electriad connection	M181.5 Water-proof Cable Connector, Electric Power Wire, Signal Wire				
Ambient Temp.	-30℃ ~ +60℃				
Circuit Control	B, S, K, R, TA, D, H				
Optional Function	I. Over Torque Protectors II. Dehumidify Heater				

KST-20/40/60 Performance Parameter

Model	KST-20				
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Power Supply(V)															
Output Torque(Nm)	200					400					600				
Motion Time(S)	12	30/60				15	30/60				20	45/60			
Rotary Angle (°)	0~90					0~90					0~90				
Motor Power(W)	40					70	90				90				
Rated Current(A)	1.2	7.5	1.6	0.88	0.4	2.5	9	2.2	1	0.48	2.5	9	2.2	1	0.5
Weight(kg)	8.7	9.3				8.8	10				8.8	10			
Insulation Resistance (MΩ)	DC24V: 100/250VDC AC110/220V/380V: 100/500VDC														
Voltage Resistance	DC24V: 500VAC AC110/220V: 1500VAC AC380V: 1800VAC. (1Minute)														
Protection Class	IP68														
Installation Position	360-Degree Optional Direction														
Electrical Connection	M181.5 Water-proof Cable Connectors, Electric Power Wire, Signal Wire														
Ambient Temp.	-30℃ ~ +60℃														
Circuit Control	B, S, K, R, A, D, H, T														
Optional Function	I. Over Torque Protectors II. Dehumidify Heater														

Performance Parameter of KST-100/200 Series

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Performance \ Power(V)	AC24	AC110	AC220	AC380
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Motor Power(W)	100				100			
Rated Current(A)	9	2.2	1.2	0.48	9	2.2	1.2	0.48
Output Torque(Nm)	800/1000				2000			
Motion Time (S)	30/50				100			
Circuit Control	B, S, K, R, A, D, H, T							
Rotary Angle (°)	0~90							
Weight(kg)	11.2				11.8			
Voltage Resistance	AC110V/AC220V:1500VAC, AC380V:1800VAC(Minute)							
Insulation Resistance(MΩ)	100MΩ/500VDC							
Protection Class	IP-68							
Ambient Temp.	-30℃ ~ +60℃							
Installation Angle	360-Degree Optional Direction							