



## Technical Parameters

<b>Model No.</b>	BJ30-YZ1515X-3B-DD	BJ30-YZ1515X-3B-DX
	BJ30-YZ1515X-3H-DD	BJ30-YZ1515X-3H-DX
	BJ30-YZ1515X-6B-DD	BJ30-YZ1515X-6B-DX
	BJ30-YZ1515X-6H-DD	BJ30-YZ1515X-6H-DX
	BJ30-YZ2515X-3B-DD	BJ30-YZ2515X-3H-DD
	BJ30-YZ2515X-6B-DD	BJ30-YZ2515X-6H-DD
	Roller	304 SST 3 roller / 6 roller
Pump head	White/Black ABS engineering plastic (PC+ABS)	
Motor type	DC24V NMB Japan 57 Stepper motor	
Rated current	1.5A (small motor)	2.3A (big motor)
Rated power	36W (small motor)	55.2W (big motor)
Speed range	0-500rpm	
Flow rate	0-1750ml/min	
Peristaltic tube	Silicone / Rubber / Viton	
Fittings	Plastic Barbed Fittings	
Tubing No.	14# 16# 25# 17# 18# (BJ30-YZ1515X) 15# 24# ( BJ30-YZ2515X)	
Working environment	0-40°C  < 80% relative humidity, non-condensing	
Working Max DB	70db	
Net weight	1525g (3 roller) / 1585g (6 roller)	

<b>Motor Wire</b>	57 small motor	57 big motor
A+	Red	Orange
A-	Yellow	Blue
B+	Blue	Red
B-	Orange	Yellow
<b>Motor Parameter</b>	57 big motor	57 small motor
Max power	18.8W	12W
Step angle	1.8°	1.8°
Phase	2	2
Phase voltage	4.0V	2.6V
Phase current	2.35A	2.3A
Resistance	1.7Ω ±1.7	1.15Ω ±0.17
Inductance	7mH REF	1.85mH REF
Insulation	100mΩ MIN	100mΩ MIN
Temperature limit	80°C MAX	80°C MAX
Explosion-proof level	B	B



1.8° 57 Big Stepper Motor.pdf



1.8° 57 Small Stepper Motor.pdf

**Flow Rate Table (only for reference) (media: water)**

Peristaltic Tube	Motor speed (rpm)	Motor Type	Tube size (ID*WT: mm)	3 roller Flow rate (ml/min)	6 roller Flow rate (ml/min)
Rubber tube	0-450rpm	57 small motor	1.6*1.6 (14#)	0-113	0-88
			3.2*1.6 (16#)	0-462	0-347
	0-400rpm	57 big motor	4.8*1.6 (25#)	0-966	0-612
			6.4*1.6 (17#)	0-1447	0-804
			8.0*1.6 (18#)	0-1650	0-1332
			4.8*2.5 (#15)	0-966	0-612
6.4*2.5 (#24)	0-1447	0-804			
Silicon tube	0-450rpm	57 small motor	1.6*1.6 (14#)	0-117	0-92
			3.2*1.6 (16#)	0-491	0-375
	0-400rpm	57 big motor	4.8*1.6 (25#)	0-1020	0-652
			6.4*1.6 (17#)	0-1494	0-848
			8.0*1.6 (18#)	0-1750	0-1426
			4.8*2.5 (#15)	0-1020	0-652
6.4*2.5 (#24)	0-1494	0-848			

## Peristaltic Tube

- 1) Silicone tube works for non-corrosive liquid transfer
- 2) Rubber tube works for weak corrosive liquid transfer
- 3) Viton tube works for strong corrosive liquid transfer



## Tubing Connection

- 1) A long piece of peristaltic tube equipped in pump head
- 2) Standard 18cm peristaltic tube + 2 pieces barbed fittings + external tube

## Dimension (unit: mm)



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## Control Driver

- 1) Analog control driver with ON/OFF SPEED CW/CCW buttons– MC-20A
- 2) PWM control driver – MC-20T
- 3) RS232/RS485/CAN control driver – MC-20C



## Packing Info.

Carton Size: 26\*15.5\*18.5CM

G.W.: 2.0KG



Nanjing Runze Fluid Control Equipment Co.,Ltd  
No.9 Tianxing West Road Dongshan Street Jiangning District  
Nanjing City, Jiangsu Province, China  
Mobile: +86 17366384502  
Email: [min.zhu@runzeliuti.com](mailto:min.zhu@runzeliuti.com)  
Contact: Julie Zhu