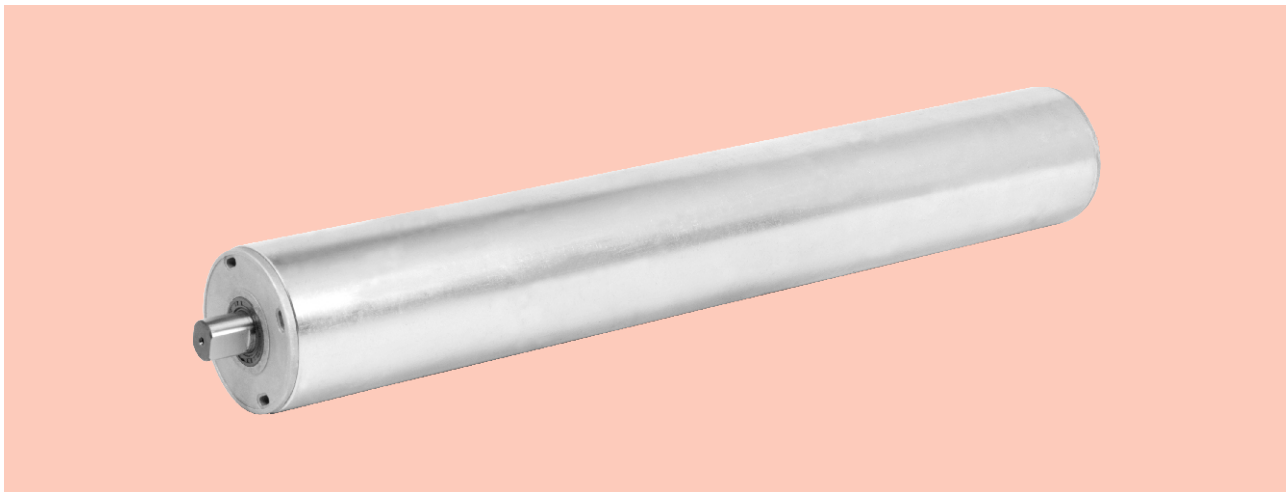


BL80电动滚筒 BL80 DRUM MOTOR



产品信息 Product Information

此款电动滚筒式空间极其有限的情况下，仍可以安装得到要求的力矩。采用高合金钢精磨齿轮和行星传动结构为主体设计，具有性能可靠、免维护、免加油、适合较小的安装空间等诸多优点。适用于多个领域：

This type of drum motor can be installed in limited space and meet the torque requirement. Using alloy steel grinded gears and planetary transmission structure, it is reliable, free of maintenance and oil-renewing, space-saving. It can be use in many fields:

- 超市收银台 Supermarket cashier
- 包装机械 Packaging machinery
- 皮带输送线 Belt conveyor line

BL80电动滚筒特征 BL80 Characteristics Of Drum Motor

筒体 Drum Shell

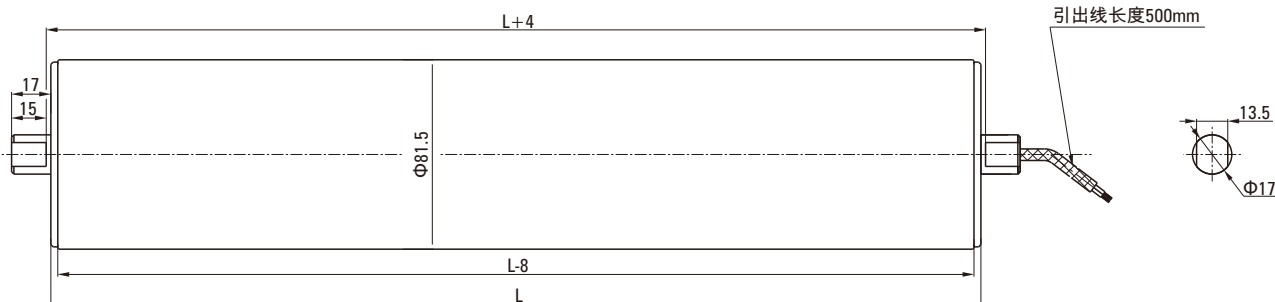
- 标准筒体为低碳钢材质 • 食品级筒体为304不锈钢 • 标准筒体表面加工有防滑滚花 • 齿轮传动 • 高合金钢精磨齿轮，确保传动时低噪音 • 行星齿轮传动
- Material of standard drum shell is mild steel • Food garde shell is 304 stainless steel • Standard cylinder rolling mill gear slip flower - gear • High alloy steel precision, ensures low noise transmission when the • Planetary gear transmission

电机基本特性 Basic Characteristics Of Motor

外径80滚筒 (DC电源时适用于24VDC/36VDC/48VDC) External diameter 80 drum motor (DC power supply when applied to 24VDC/36VDC/48VDC)

额定功率(连续) Rated power (continuous)	W	120			
额定转速 Rated speed	r/min	3000			
额定转矩 Rated torque	N.m	0.478			
瞬时最大转矩 Instantaneous maximum torque	N.m	0.72			
速度控制范围 Speed control range	RPM	200~3000			
单个滚筒重量 Speed control range	kg	9.1 (L为500)			
滚筒最大承重 Speed control range	kg	300 (L为500)	250 (L为1000)		
速率变化率 Speed control range	对负载 On load	±1.0%以下: 条件 0~额定转矩、额定转速、额定电压、常温 Below ±1%: condition 0~rated torque, rated speed, rated voltage, room temperature			
	对电压 On voltage	±1.0%以下: 条件 额定电压±10%、额定转速、额定负载、常温 Below ±1%: condition rated voltage ±10%, rated speed, rated load, room temperature			
	对温度 On temperature	±1.0%以下: 条件 使用环境温度0~+40°C 额定转速、额定负载、额定电压 Below ±1%: Conditions of ambient temperature 0~+40°C rated voltage, rated load and rated speed			
电源输入 Power input	额定电压 Rated voltage	V	单相Single phase 110V	单相Single phase 220V	24VDC(可选Optional 36VDC/48VDC)
	电压容许范围 Voltage tolerance range		±10%		
	频率 Frequency	Hz	50/60		
	频率容许范围 Frequency tolerance range		±5%		
	额定输入电流 Rated input current	A	3.89	1.95	8.9
瞬时最大输入电流 Instantaneous maximum input current	A	5.84	3.0	13.4	

BL80尺寸图 BL80 Outlining Dimensions



- 管径: Φ80
- 壁厚: t2.25
- 外管材质: 碳钢管
- 表面处理: 镀锌
- Diameter: Φ80
- Wall thickness: t2.25
- Wall thickness: Cst
- Surface treatment: zinc plating

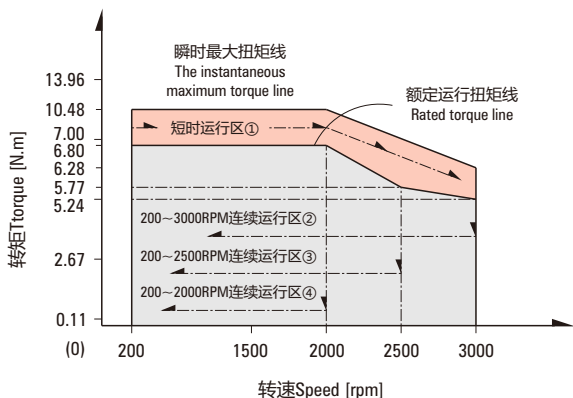
BL80机械参数 BL80 Mechanical Parameters

额定功率P Rated Power P W	齿轮箱级数 Gear Box Series	减速比i Reduction Ratio i	最高线速度V Max Speed V m/min	额定转速n Rated Speed n RPM	额定扭矩T Rated Torque T Nm	牵引力F Traction F N	长度SL Length SL mm
120	1	3.65	210.3	821.9	1.25	30.79	≥360~1000
		5.36	143.2	559.7	1.84	45.22	
		6.55	117.2	458.0	2.25	55.26	
		8.63	89.0	347.6	2.97	72.81	
	2	13.53	56.7	221.7	4.19	102.74	≥380~1000
		18.92	40.6	158.6	5.85	143.66	
		24.65	31.1	121.7	7.63	187.17	
		28.05	27.4	106.9	8.68	212.99	
		33.92	22.6	88.40	10.50	257.56	
		44.69	17.2	67.13	13.83	339.34	
		58.22	13.2	51.53	18.01	442.07	
		67.08	11.4	44.72	18.71	459.04	
	3	81.11	9.50	36.99	22.62	555.05	≥400~1000
		91.36	8.40	32.84	25.48	625.19	
		102.88	7.50	29.16	28.69	704.03	
		118.98	6.50	25.21	33.18	814.20	
		145.65	5.30	20.60	40.62	996.71	
		165.64	4.60	18.11	46.19	1133.51	
		231.61	3.30	12.95	64.59	1584.95	
301.68	2.50	9.940	84.00	2061.35			
392.98	2.00	7.630	84.00	2061.35			

• 此参数为电机使用转速范围在200~300RPM时 This parameter is used for motor speed range in 200~300RPM

运动特性曲线 Motion Characteristic Curve

• (取二段减速, 减速比为13.53K的滚筒为例)
Take the two stage of the reduction, the reduction ratio of 13.53K for the roller as an example



引出线说明 Lead Out Outlet

蓝(粗)	黄(粗)	绿(粗)	红(细)	黄(细)	绿(细)	蓝(细)	黑(细)
Blue(thick)	Yellow(thick)	Green(thick)	Red(fine)	Yellow(fine)	Green(fine)	Blue(fine)	black(fine)
W	U	V	Vcc+5V	Hu	Hv	Hw	GND

- 注: ① Short-time operation area
② 200~3000RPM Continuous operation area
③ 200~2500RPM Continuous operation area
④ 200~2000RPM Continuous operation area