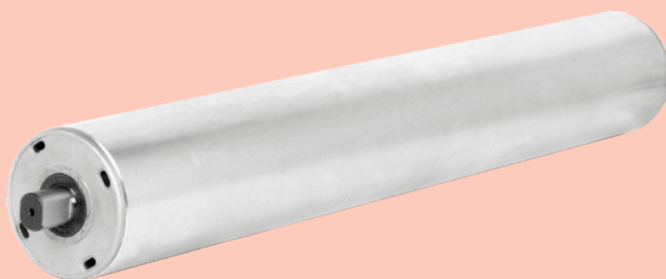


BL50电动滚筒

BL50 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

BL50电动滚筒特征 BL50 Characteristics Of Drum Motor

● 筒体 Drum Shell

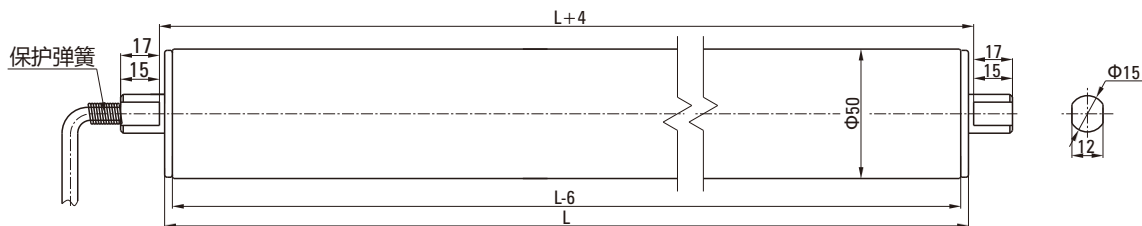
- 标准筒体为低碳钢材质 • 食品级筒体为304不锈钢 • 标准筒体表面加工有防滑滚花 • 齿轮传动 • 高合金钢精磨齿轮，确保传动时低噪音 • 行星齿轮传动
- Material of standard drum shell is mild steel • Food grade shell is 304 stainless steel • Standard cylinder rolling mill gear slip flower - gear • High alloy steel precision, ensures low noise transmission when the • Planetary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

电机基本特性 Basic Characteristics Of Motor

● 外径50滚筒 (DC电源时适用于24VDC/36VDC/48VDC) External diameter 50 drum motor (DC power supply when applied to 24VDC/36VDC/48VDC)

额定功率(连续) Rated power (continuous)	W	40	60	
额定转速 Rated speed	r/min	3000		
额定转矩 Rated torque	N.m	0.127		
瞬时最大转矩 Instantaneous maximum torque	N.m	0.191		
速度控制范围 Speed control range	RPM	200~3000		
单个滚筒重量 Speed control range	kg	2.7 (L为500)		
滚筒最大承重 Speed control range	kg	175 (L为500)	120 (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 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	0.36	2.70
	瞬时最大输入电流 Instantaneous maximum input current	A	0.55	5.60

BL50尺寸图 BL50 Outlining Dimensions



- 管径: $\Phi 50$
- 壁厚: t1.5
- 外管材质: 304不锈钢
- 表面处理: 镀锌
- Diameter: $\Phi 50$
- Wall thickness: t1.5
- Wall thickness: SUS304
- Surface treatment: zinc plating

BI50机械参数 BL50 Mechanical Parameters

● 低压无刷 Drum Shell

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
40	1	3.65	129	821.9	0.420	16.73	$\geq 270 \sim 1000$
		5.36	87.9	559.7	0.610	24.57	
		6.55	71.9	458.0	0.750	30.03	
		8.63	54.6	347.6	0.990	39.56	
	2	13.53	34.8	221.7	1.400	55.82	$\geq 285 \sim 1000$
		18.92	24.9	158.6	1.950	78.06	
		24.65	19.1	121.7	2.540	101.70	
		28.05	16.8	106.9	2.890	115.72	
		33.92	13.9	88.40	3.500	139.94	
		44.69	10.5	67.10	4.610	184.37	
		58.22	8.10	51.50	6.000	240.19	
		67.08	7.00	44.70	6.240	249.41	
	3	81.11	5.80	37.00	7.540	301.58	$\geq 300 \sim 1000$
		91.36	5.20	32.80	8.490	339.69	
		102.88	4.60	29.20	9.560	382.52	
		118.98	4.00	25.20	11.06	442.38	
		145.36	3.20	20.60	13.54	541.55	
		165.64	2.80	18.10	15.00	600.00	
231.61	2.00	12.95	15.00	600.00			
301.68	1.60	9.940	15.00	600.00			

• 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

● 高压无刷 Drum Shell

额定功率P Rated Power P W	齿轮箱级数 Gear Box Series	减速比i Reduction Ratio i	线速度v Max Speed V m/min	输出转na Rated Speed n RPM	输出扭矩ma Rated Torque T Nm	牵引力Fn Traction F N	最短长度L Length L mm
60	2	13.69	34.42	219.14	2.12	84.72	285
		19.16	24.59	156.58	2.96	118.57	285
		26.83	17.56	111.82	4.15	166.03	285
		34.96	13.48	85.81	5.41	216.35	285
	3	50.65	9.30	59.23	7.05	282.10	285
		70.91	6.65	42.31	9.87	394.94	285
		99.27	4.75	30.22	13.82	552.89	285

• 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