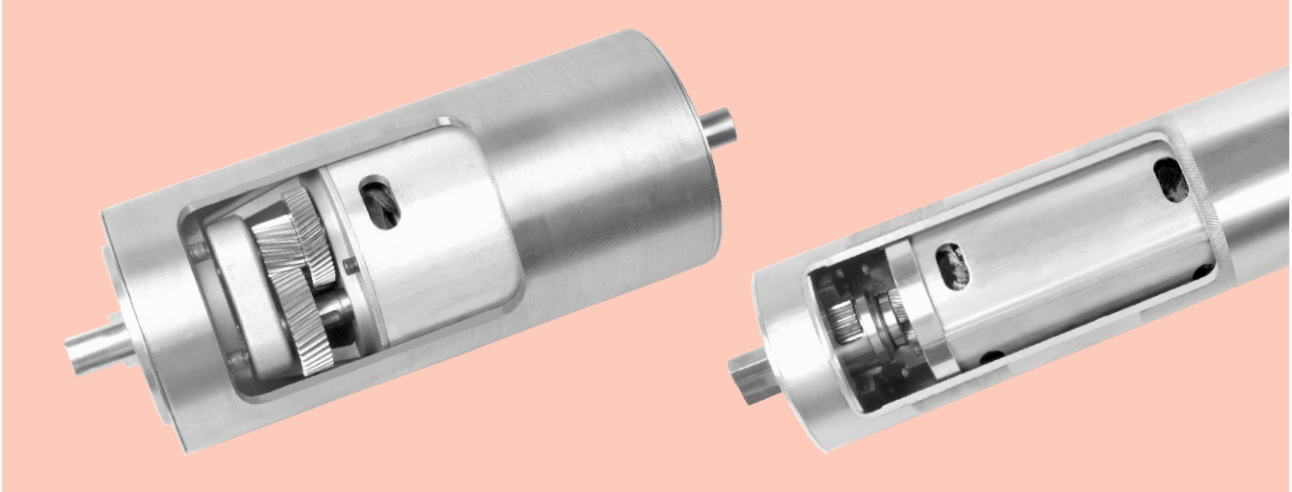
DM/DMX165电动滚筒
DM/DMX165 DRUM MOTOR



产品信息 Product Information

此款电动滚筒非常强健扎实，能够承受巨大的扭矩和很高的径向负载，具有外形兼顾、耐冲击和扭矩强劲等显著特点，可以选择较大负载输送设备的最佳选择。

The electric roller is very robust and can withstand great torque and high radial load. It has the advantages of high profile, high impact and high torque, and can choose the best choice of load transmission equipment.

• 食品加工输送机	Food processing conveyer
• 机场行李处理系统	Airport baggage handling systems
• 包装输送机	Packing conveyer
• 皮带秤	Belt balance
• 邮政分拣输送机	Post sorting conveyer
• 钢或塑料模组网带应用	Steel or plastic module mesh belt application
• 农作物	Crops
• 干燥、潮湿及需要冲洗的应用环境	Dry, wet and need to develop the application environment

DM/DMX165电动滚筒特征 DM/DMX165 Characteristics Of Drum Motor

筒体 Drum Shell

• 标准筒体为低碳钢材质，成品表面镀锌，做环保标志 • 食品级筒体为304不锈钢 • 标准筒体表面加工有防滑滚花

• Material of standard drum shell is mild steel, zinc plated, with ECO mark • Food garde shell is 304 stainless steel • Standard cylinder surface processing with non slip roller

齿轮传动 Gear Drive

• 高合金钢精磨齿轮，确保传动时超低噪音，铸铝齿轮箱 • 重载型电动滚筒采用行星齿轮传动，根据重型载荷设计，高扭矩传输

• High alloy steel grinding gear, to ensure the transmission of ultra low noise, aluminum gear box • Heavy load electric roller adopts planetary gear transmission, according to heavy load design, high torque transmission

电机 Motor

• 频率在50Hz或60Hz时，适用于全球各种通用电压 • 电机绝缘等级F级 • 所有电机附加过热保护器 • 电机油浸式散热 • 电缆出线式，电缆的标准长度1.2米

• When 50Hz or 60Hz is used, it can be applied to all kinds of universal voltage • Motor insulation class F • All motor additional overheat protector • Oil immersed motor cooling • Cable outlet type, cable length of 1.2M

密封等级 Seal Level

• 轴端采用双密封设计 • 电动滚筒的密封防护等级为IP66/IP67

• Double seal design for shaft end • Drum motor sealing protection level is IP66/IP67

注油 Oiling

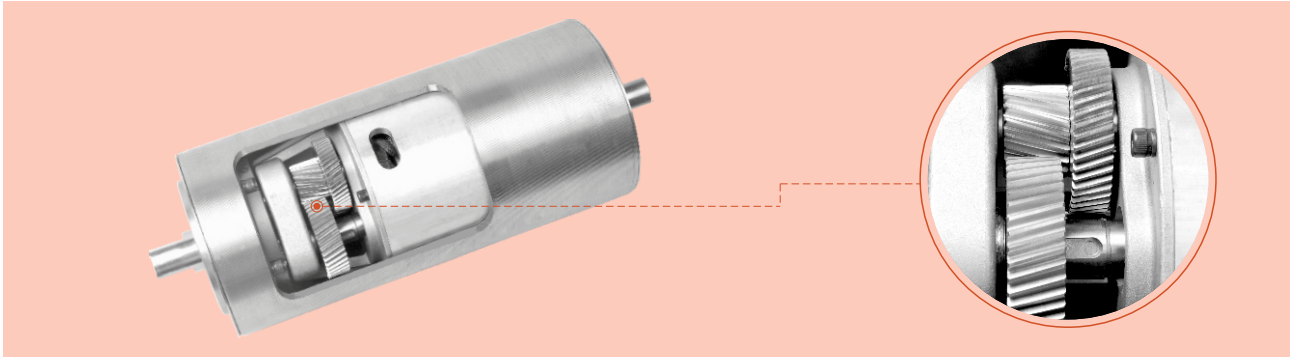
• 电动滚筒出厂前都已按标准注油 • 每运行5000小时换油一次

• Electric roller factory before has according to the standard oil • Every 5000 hours to run oil change time

其他 Other

• 水平安装 • 可以加装电磁制动器，但筒体的最短长度会相应加长 • 带速及筒体长度可按客户要求制作 • 根据客户要求，可制作各种非标准电动滚筒

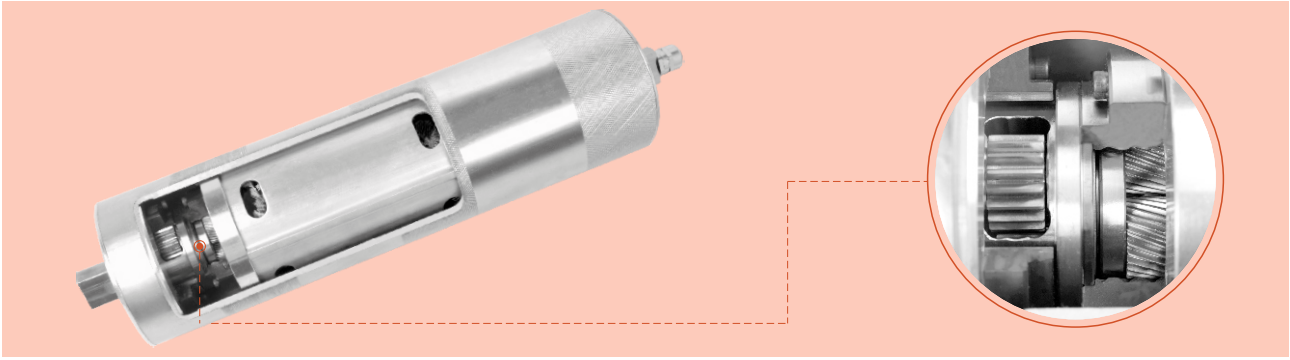
• Horizontal installation • Can be equipped with electromagnetic brake, but the shortest length of the cylinder will be extended accordingly • Belt speed and tube length can be produced according to customer requirements • According to customer requirements, can produce a variety of non - standard electric roller



DM165三相轻载滚筒电机机械参数 DM165 Mechanical Parameters Of Three Phase Light Load Drum Motor

P_N kW	np	gs	i	v m/s	n_A min^{-1}	M_A Nm	F_N N	$SL_{最小值}$ mm
0.37	4	2	12.35	0.97	111.7	28.20	342	400
			15.06	0.79	91.60	34.40	417	400
			20.04	0.59	68.90	45.70	554	400
		3	24.30	0.49	56.80	52.30	634	400
			31.70	0.38	43.50	68.30	828	400
			39.17	0.30	35.20	84.40	1023	400
			46.16	0.26	29.90	99.40	1205	400
			61.96	0.19	22.30	141.4	1714	400
0.55	4	2	12.35	0.94	109.3	42.80	519	400
			15.06	0.77	89.60	52.20	633	400
			20.04	0.58	67.40	69.50	842	400
		3	39.17	0.30	34.50	135.8	1646	400
			46.16	0.25	29.20	160.0	1940	400
			61.96	0.19	21.80	214.8	2604	400
0.75	4	2	12.35	0.94	109.3	58.40	708	400
			15.06	0.77	89.60	71.20	863	400
			20.04	0.58	67.40	94.70	1148	400
		3	24.30	0.48	55.60	108.5	1315	400
			31.70	0.37	42.60	141.5	1715	400
			39.17	0.30	34.50	174.8	2119	400
			46.16	0.25	29.20	206.0	2497	400
			61.96	0.19	21.80	276.5	3352	400
1.10	2	2	9.470	2.57	297.8	31.40	381	400
			12.35	1.97	228.3	41.00	497	400
			15.06	1.62	187.3	50.00	606	400
			20.04	1.22	140.7	66.50	806	400
		3	24.30	1.00	116.0	76.10	923	400
			31.70	0.77	89.00	99.30	1204	400
			39.17	0.62	72.00	122.7	1488	400
			46.16	0.53	61.10	144.7	1753	400
	4	2	12.35	0.94	109.3	85.60	1038	400
			15.06	0.77	89.60	104.4	1266	400
			20.04	0.58	67.40	139.0	1684	400
		3	24.30	0.48	55.60	159.1	1928	400
			31.70	0.37	42.60	207.5	2515	400
			39.17	0.30	34.50	256.4	3108	400
			46.16	0.25	29.20	302.2	3663	400
1.50	4	2	12.35	0.97	111.7	114.2	1385	400
			15.06	0.79	91.60	139.3	1689	400
			20.04	0.59	68.90	185.4	2247	400
		3	24.30	0.49	56.80	212.2	2572	400
			31.70	0.38	43.50	276.8	3355	400
2.20	2	2	9.470	2.57	297.8	62.90	762	400
			12.35	1.97	228.3	82.00	994	400
			15.06	1.62	187.3	100.0	1212	400
			20.04	1.22	140.7	133.1	1613	400
		3	24.30	1.00	116.0	152.3	1846	400
			31.70	0.77	89.00	198.7	2408	400
			39.17	0.62	72.00	245.5	2976	400
			46.16	0.53	61.10	289.3	3507	400

P_N: 额定功率 Rated power
i: 减速比 Reduction ratio of
M_A: 电动滚筒额定扭矩 Electric drum rated torque
np: 级数 Series
v: 外管额定速率 Outside the rated speed
F_N: 牵引力 Traction force
gs: 齿轮级数 Gear series
n_A: 外管额定转速 Outer tube rated speed
$SL_{最小值}$: 最短外管长度 The shortest outer tube length

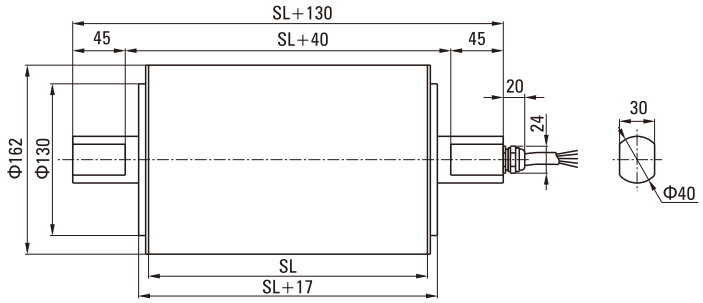


DMX165三相重载滚筒电机机械参数 DMX165 Mechanical Parameters Of Three Phase Heavy Load Drum Motor

P_N kW	np	gs	i	v m/s	n_A min^{-1}	M_A Nm	F_N N	$SL_{最小值}$ mm
0.55	4	2	9.860	0.81	137.0	28.80	506	380
			12.01	0.67	112.4	35.00	617	380
			15.26	0.52	88.50	44.50	784	380
			17.63	0.45	76.60	51.50	906	380
			20.99	0.38	64.30	61.20	1078	380
			24.66	0.32	54.80	71.90	1266	380
			27.38	0.29	49.30	79.90	1406	380
			30.82	0.26	43.80	89.90	1583	380
			36.07	0.22	37.40	105.3	1853	380
			39.70	0.20	34.00	115.8	2039	380
			49.62	0.16	27.20	144.8	2549	380
0.75	4	2	9.860	0.81	137.0	39.20	690	380
			12.01	0.67	112.4	47.80	841	380
			15.26	0.52	88.50	60.70	1068	380
			17.63	0.45	76.60	70.20	1235	380
			20.99	0.38	64.30	83.50	1470	380
			24.66	0.32	54.80	98.10	1727	380
			27.38	0.29	49.30	108.9	1917	380
			30.82	0.26	43.80	122.6	2158	380
			36.07	0.22	37.40	143.5	2526	380
			39.70	0.20	34.00	158.0	2780	380
			49.62	0.16	27.20	197.5	3475	380
1.10	2	2	9.860	1.68	284.1	27.70	488	380
			12.01	1.38	233.2	33.80	595	380
			15.26	1.09	183.5	42.90	756	380
			17.63	0.94	158.8	49.60	873	380
			20.99	0.79	133.4	59.10	1039	380
			24.66	0.67	113.6	69.40	1221	380
			27.38	0.61	102.3	77.00	1356	380
			30.82	0.54	90.90	86.70	1526	380
			36.07	0.46	77.60	101.5	1786	380
			39.70	0.42	70.50	111.7	1966	380
			49.62	0.33	56.40	139.6	2457	380
1.50	4	2	9.860	0.81	137.0	78.40	1380	380
			12.01	0.67	112.4	95.60	1682	380
			15.26	0.52	88.50	121.4	2137	380
			17.63	0.45	76.60	140.3	2470	380
			20.99	0.38	64.30	167.0	2940	380
			24.66	0.32	54.80	196.2	3453	380
			27.38	0.29	49.30	217.9	3835	380
			30.82	0.26	43.80	245.3	4317	380
			36.07	0.22	37.40	287.1	5052	380
2.20	2	2	9.860	1.68	284.1	55.50	976	380
			12.01	1.38	233.2	67.60	1189	380
			15.26	1.09	183.5	85.90	1511	380
			17.63	0.94	158.8	99.20	1747	380
			20.99	0.79	133.4	118.1	2079	380
			24.66	0.67	113.6	138.8	2442	380
			27.38	0.61	102.3	154.1	2712	380
			30.82	0.54	90.90	173.4	3053	380
			36.07	0.46	77.60	203.0	3573	380
			39.70	0.42	70.50	223.4	3932	380
			49.62	0.33	56.40	279.2	4915	380

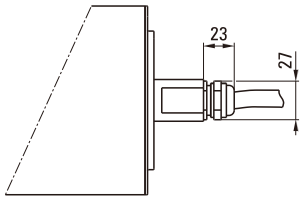
P_N: 额定功率 Rated power
i: 减速比 Reduction ratio of
M_A: 电动滚筒额定扭矩 Electric drum rated torque
np: 级数 Series
v: 外管额定速率 Outside the rated speed
F_N: 牵引力 Traction force
gs: 齿轮级数 Gear series
n_A: 外管额定转速 Outer tube rated speed
$SL_{最小值}$: 最短外管长度 The shortest outer tube length

DM/DMX165外形图 DM/DMX165 Outlining Dimensions

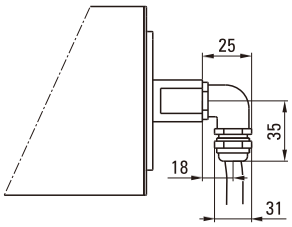


标准的滚筒长度和重量 Standard Drum Length And Weight:														
外管长度 SL单位: mm Outer Tube Length SL Unit: mm		400	450	500	550	600	650	700	750	800	850	900	950	1000
平均重量 单位: Kg Average Weight Unit: Kg		35.0	37.0	38.8	40.7	42.6	44.5	46.4	48.3	50.2	52.1	54.0	55.9	57.8
最大功率 (kW) Maximum Power (kW)	4P	1.5												
	2P	2.2												
最大速比 Slowest Ratio		61.96												
最小速比 Minimum Speed Ratio		9.86												

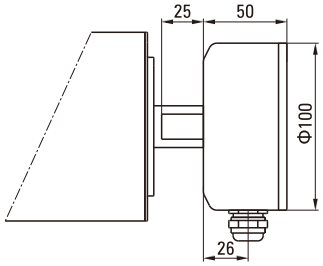
DM/DMX165安装图 DM/DMX165 Installation Diagram

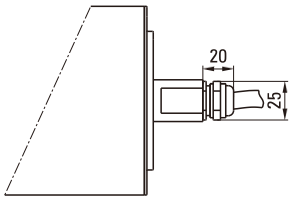


直式接头，黄铜/镍
Straight joint, brass/nickel

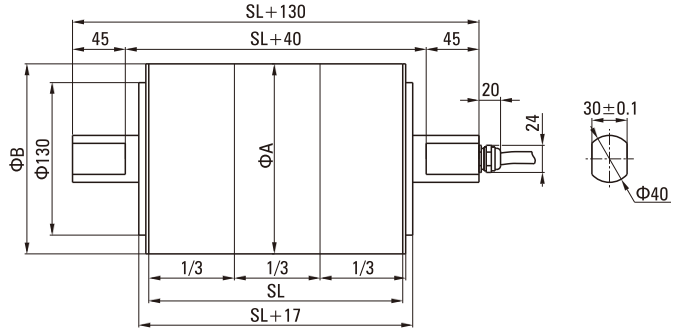


弯式接头，工程塑料
Curved joint, engineering plastic





直式接头，不锈钢
Straight joint, stainless steel



类型 Type	ΦA mm	ΦB mm
165i冠状外管 165i tube	164	162
165i圆柱形外管 165i cylindrical tube	164	164
165i圆柱形外管+键 165i cylindrical tube + key	164	164

DM/DMX165选项表–电动滚筒 DM/DMX165 Option - Drum Motor

部件说明 Component Description	电动滚筒 Drum Motor
筒体 Drum shell	
碳钢冠状筒体 Carbon steel tube body	1
碳钢直式筒体 Carton steel straight drum	2
不锈钢 (标准304) 冠状筒体 Stainless steel (standard 304) coronal tube body	2
不锈钢 (标准304) 直式筒体 Stainless steel (standard 304) straight drum	2
特殊冠状及凹槽型 Special coronal and groove type	3
前后端盖 Front end cover	
铸铝端盖 Cast aluminum cover	1
镀镍铸铝端盖 Nickel plated aluminum cover	2
不锈钢 (标准304) 端盖 Stainless steel (standard 304) end cover	2
前后轴 Front and rare shaft	
碳钢轴 Carbon steel shaft	1
不锈钢轴 Stainless steel shaft	2
电机 Motor	
单相或三相异步电动机 Single phase or three phase asynchronous motor	1
电压1*220V/50Hz或3*380V/50Hz Voltage 1*220V/50Hz or 3*380V/50Hz	1
50Hz或60Hz条件下的全球通用电压 Global common voltage under 50Hz or 60Hz conditions	1
加装电机过热保护器 Thermal protector	1
低温环境用油 Low temperature environment	2
食品级油&脂 (FDA和USDA) Food grade oil & fat (FDA and USDA)	2
电气连接 Electrical connection	
不锈钢弯头 Stainless steel elbow	3
直弯式出线 Straight curved line	1
PVC线缆 PVC cable	1
低烟无卤素线缆 Low smoke halogen free cable	2
铸铝端子盒 Cast terminal box	1
镀镍铸铝端子盒 Nickel plated aluminum terminal box	1
不锈钢端子盒 Stainless steel terminal box	1
其他选项 Other options	
电磁制止器 Electromagnetic stop device	2
可垂直或倾斜安装 Vertical or inclined installation	3
连接变频器 Connected converter	2

备注Note:

1-标准装配选项
1-Standard option

2-非标准常用选项
2-Non-standard option

3-限制性选项，选择时应与制造商确认
3-Restrained option, contact manufacturer if needed