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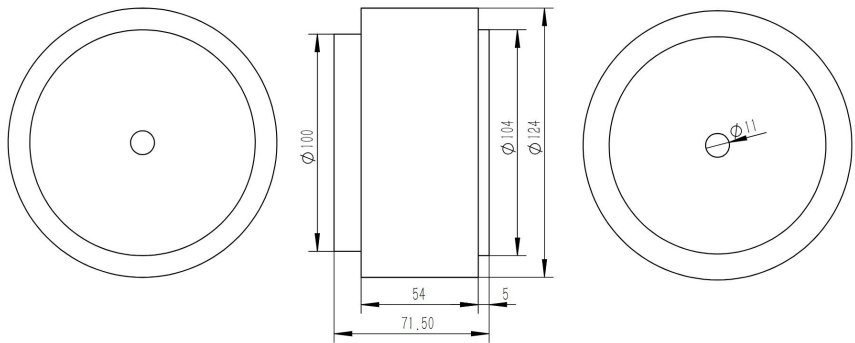
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行星中空系列

1. EC-A10010-P2-16H 电机简介

1.1 产品安装尺寸



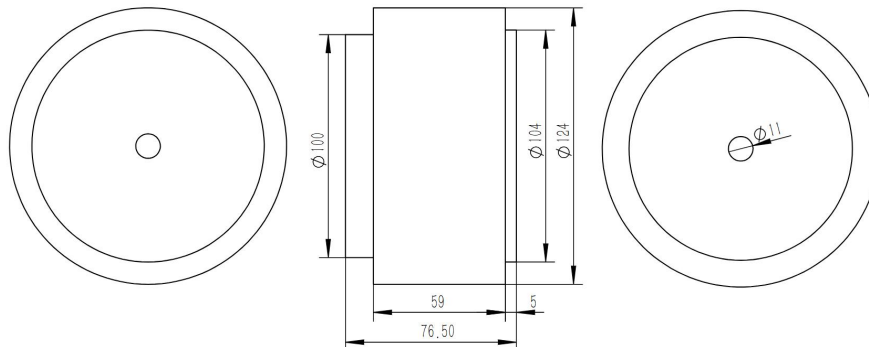
1.2 产品参数、实测数据及特性曲线

性能参数		
减速比(Reduction Ratio)		16
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	17.6
额定相电流(Rated Phase Current)	A	14
额定功率(Rated Power)	W	844.8
额定转速(Rated Speed)	RPM	140
额定扭矩(Rated Torque)	Nm	28
峰值转速(Peak Speed)	RPM	156
峰值相电流(Peak Phase Current)	A	90
峰值扭矩(Peak Torque)	Nm	120
电机平均效率(Efficiency)		66%
扭矩常数(Torque Constant)	Nm/A	1.8
电机重量(Weight)	g	2012
减速器背隙(Backlash)	Arcmin	≤18
电机尺寸(外径×厚度)(Motor Size)	mm	124×71.5
中空孔直径 (Hole Diameter)	mm	11
通信方式(Communication Mode)		CAN(可选 CAN FD)
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	313.699
扭矩密度(Torque Density)	Nm/kg	60

注意！本文说明书所示转速无特殊说明均指输出端的转速。

2. EC-A10015-P2-16H 电机简介

2.1 产品安装尺寸



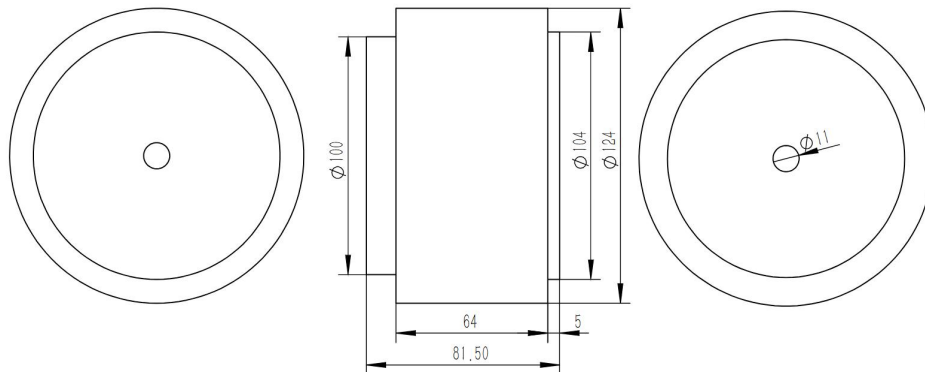
2.2 产品参数

性能参数		
减速比(Reduction Ratio)		16
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	25.4
额定相电流(Rated Phase Current)	A	16
额定功率(Rated Power)	W	1219
额定转速(Rated Speed)	RPM	139
额定扭矩(Rated Torque)	Nm	34
峰值转速(Peak Speed)	RPM	154
峰值相电流(Peak Phase Current)	A	90
峰值扭矩(Peak Torque)	Nm	150
电机平均效率(Efficiency)		64%
扭矩常数(Torque Constant)	Nm/A	1.85
电机重量(Weight)	g	2162
减速器背隙(Backlash)	Arcmin	≤18
电机尺寸(外径×厚度)(Motor Size)	mm	124×76.5
中空孔直径 (Hole Diameter)	mm	11
通信方式(Communication Mode)		CAN(可选 CAN FD)
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	407.08
扭矩密度(Torque Density)	Nm/kg	69

注意！本文说明书所示转速无特殊说明均指输出端的转速。

3. EC-A10020-P2-16H 电机简介

3.1 产品安装尺寸



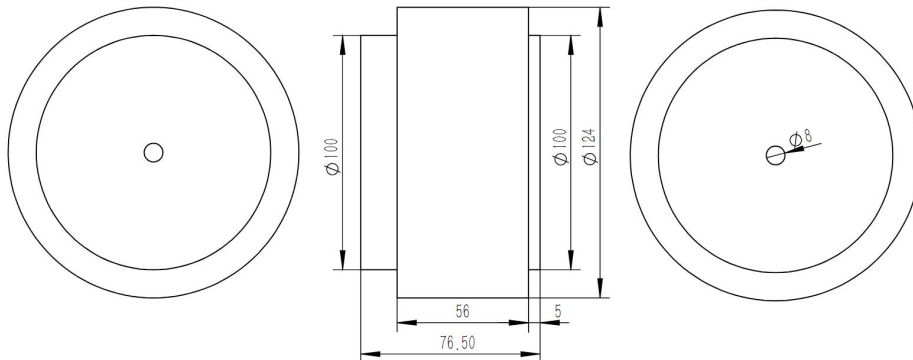
3.2 产品参数

性能参数		
减速比(Reduction Ratio)		16
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	34.1
额定相电流(Rated Phase Current)	A	22
额定功率(Rated Power)	W	1637
额定转速(Rated Speed)	RPM	130
额定扭矩(Rated Torque)	Nm	51
峰值转速(Peak Speed)	RPM	144
峰值相电流(Peak Phase Current)	A	90
峰值扭矩(Peak Torque)	Nm	180
电机平均效率(Efficiency)		73%
扭矩常数(Torque Constant)	Nm/A	2
电机重量(Weight)	g	2358
减速器背隙(Backlash)	Arcmin	≤18
电机尺寸(外径×厚度)(Motor Size)	mm	124×81.5
中空孔直径 (Hole Diameter)	mm	11
通信方式(Communication Mode)		CAN(可选 CAN FD)
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	499.81
扭矩密度(Torque Density)	Nm/kg	76

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4. EC-A10010-P2-24H 电机简介

4.1 产品安装尺寸



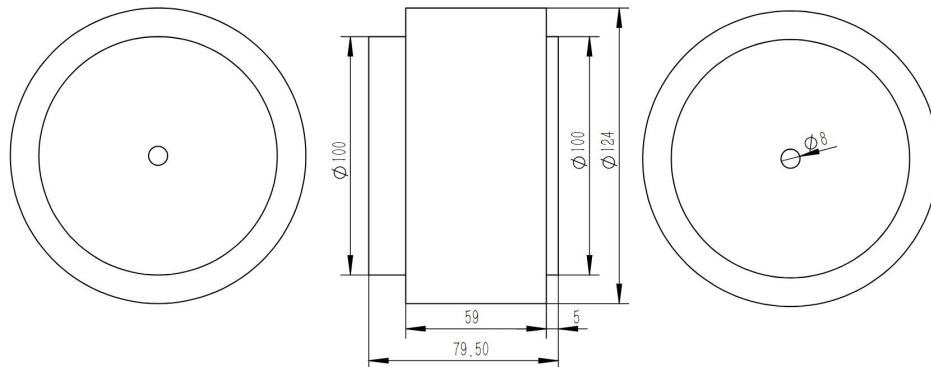
4.2 产品参数

性能参数		
减速比(Reduction Ratio)		24
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	35.6
额定相电流(Rated Phase Current)	A	16
额定功率(Rated Power)	W	1709
额定转速(Rated Speed)	RPM	139
额定扭矩(Rated Torque)	Nm	36
峰值转速(Peak Speed)	RPM	154
峰值相电流(Peak Phase Current)	A	100
峰值扭矩(Peak Torque)	Nm	150
电机平均效率(Efficiency)		74%
扭矩常数(Torque Constant)	Nm/A	2
电机重量(Weight)	g	1922
减速器背隙(Backlash)	Arcmin	≤20
电机尺寸(外径×厚度)(Motor Size)	mm	124×76.5
中空孔直径 (Hole Diameter)	mm	8
通信方式(Communication Mode)		CAN
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	291.925
扭矩密度(Torque Density)	Nm/kg	78

注意！本文说明书所示转速无特殊说明均指输出端的转速。

5. EC-A10015-P2-24H 电机简介

5.1 产品安装尺寸



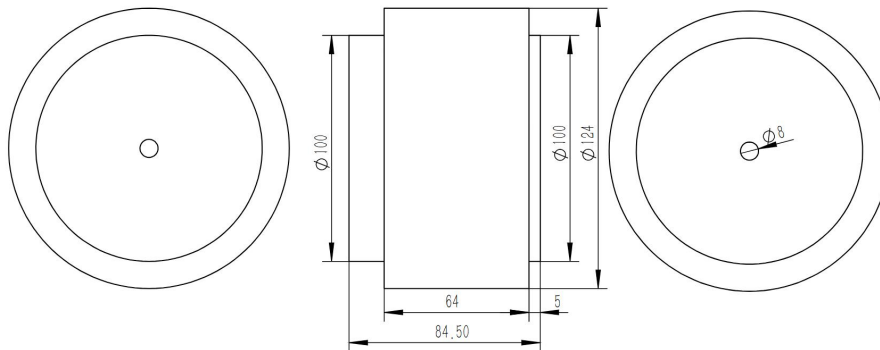
5.2 产品参数

性能参数		
减速比(Reduction Ratio)		24
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	70
额定相电流(Rated Phase Current)	A	25
额定功率(Rated Power)	W	3360
额定转速(Rated Speed)	RPM	139
额定扭矩(Rated Torque)	Nm	55
峰值转速(Peak Speed)	RPM	154
峰值相电流(Peak Phase Current)	A	120
峰值扭矩(Peak Torque)	Nm	220
电机平均效率(Efficiency)		72%
扭矩常数(Torque Constant)	Nm/A	2
电机重量(Weight)	g	2068
减速器背隙(Backlash)	Arcmin	≤20
电机尺寸(外径×厚度)(Motor Size)	mm	124×79.5
中空孔直径 (Hole Diameter)	mm	8
通信方式(Communication Mode)		CAN
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	384.532
扭矩密度(Torque Density)	Nm/kg	106

注意！本文说明书所示转速无特殊说明均指输出端的转速。

6. EC-A10020-P2-24H 电机简介

6.1 产品安装尺寸



6.2 产品参数

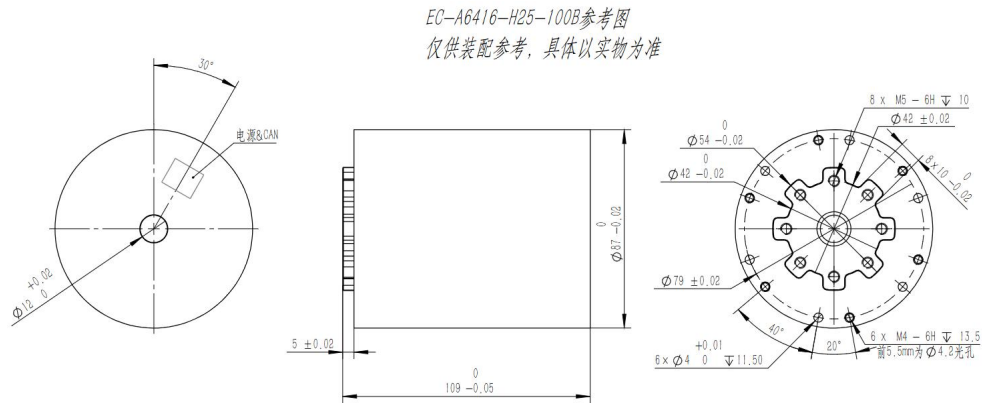
性能参数		
减速比(Reduction Ratio)		24
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	28
额定相电流(Rated Phase Current)	A	36
额定功率(Rated Power)	W	1344
额定转速(Rated Speed)	RPM	110
额定扭矩(Rated Torque)	Nm	81
峰值转速(Peak Speed)	RPM	123
峰值相电流(Peak Phase Current)	A	140
峰值扭矩(Peak Torque)	Nm	330
电机平均效率(Efficiency)		75%
扭矩常数(Torque Constant)	Nm/A	2.6
电机重量(Weight)	g	2210
减速器背隙(Backlash)	Arcmin	≤20
电机尺寸(外径×厚度)(Motor Size)	mm	124×84.5
中空孔直径 (Hole Diameter)	mm	8
通信方式(Communication Mode)		CAN
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	6.76
抗弯矩(Bending Moment Resistance)	Nm	300
交叉滚子轴承型号(Cross Roller Bearing Type)		9008
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	477
扭矩密度(Torque Density)	Nm/kg	149

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谐波系列

1. EC-A6416-H25-100B 电机简介

1.1 产品安装尺寸



1.2 产品参数

性能参数		
减速比(Reduction Ratio)		100
额定电压(Rated Voltage)	V	48
额定母线电流(Rated Bus Current)	A	7.4
额定相电流(Rated Phase Current)	A	6.2
额定功率(Rated Power)	W	355
额定转速(Rated Speed)	RPM	24
额定扭矩(Rated Torque)	Nm	74
峰值转速(Peak Speed)	RPM	27
峰值相电流(Peak Phase Current)	A	25
峰值扭矩(Peak Torque)	Nm	300
电机平均效率(Efficiency)		60
扭矩常数(Torque Constant)	Nm/A	10.3
电机重量(Weight)	g	1476
减速器背隙(Backlash)	ArcSec	≤20
电机尺寸(外径×厚度)(Motor Size)	mm	87×109
中空孔直径 (Hole Diameter)	mm	12
通信方式(Communication Mode)		CAN(可选 CAN FD)
通信波特率(Communication Baud Rate)		1M
是否具有双编码器(Double Encoder)		是
轴向载荷和径向载荷(Axial And Radial Loads)	KN	2.63
抗弯矩(Bending Moment Resistance)	Nm	53.7
交叉滚子轴承型号(Cross Roller Bearing Type)		6005
电机的转子惯量(The Rotor Inertia Of The Motor)	kgmm ²	107
扭矩密度(Torque Density)	Nm/kg	203

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