Yanlanmc®
For smarter equip
上海研蓝自动化科技有限公司

Hybrid Stepping Motor

常规电机

Product Manual·产品手册

上海研蓝自动化科技

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20mm法兰常规电机

Hybrid Stepping Motor-Nema8

Nema8步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。
主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

All motors in this series support optional installation of HE-series incremental encoders and BE-series multi-turn absolute encoders, enabling full closed-loop control with encoder feedback. All motors are available with a wide range of fieldbus drive specifications(Such as EtherCAT,CANopen,EtherNet/IP,Modbus etc.). The host system is compatible with various PLCs, PCs, embedded systems, and more. For detailed information, please visit our website or contact us.



◎ Feature

- NEMA 8 Series Flange 20系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	8HY30	8HY40
相电阻 Phase resistance ohm±10%	6.5	6
相电感 Phase inductance mH± 20%	2.2	2
额定电流 Rated current A	0.6	0.6
保持转矩 Holding torque mN.m	18	32
机身 L(max)mm	30	40
电机重量 Motor weight g	60	100
转动惯量 Rotary inertia g.cm²	2	3
定位转矩 Positioning torque mN.m	2	4

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

8HY3001-HE1000

8HY30=机身高度30mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

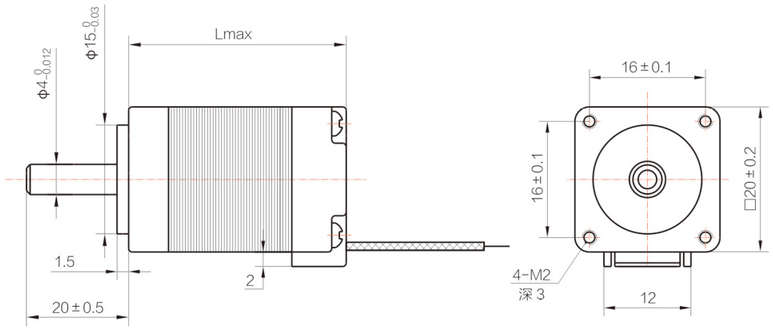
可选配件 ACCESSORIES

- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

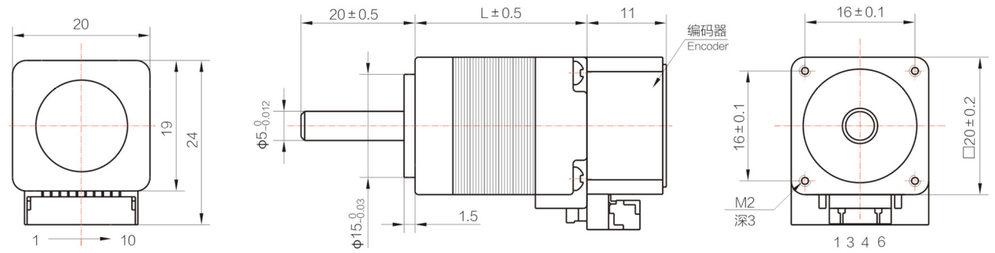
20mm法兰常规电机

Hybrid Stepping Motor-Nema8

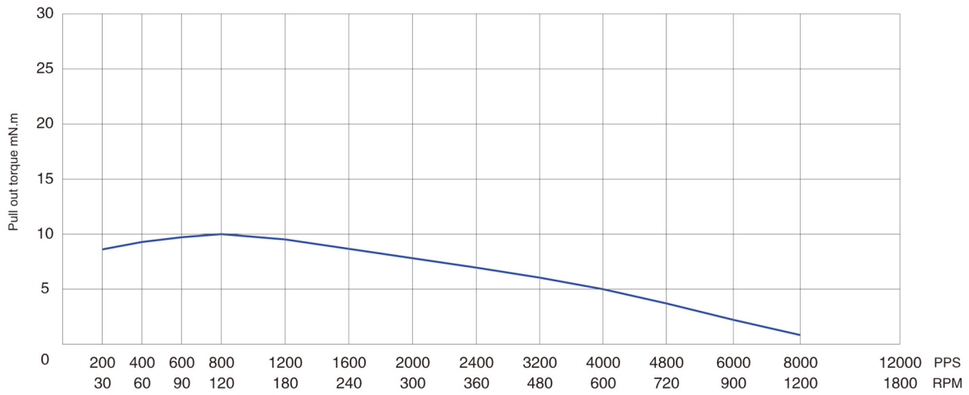
无编码器 Without Encoder



集成编码器 With Encoder



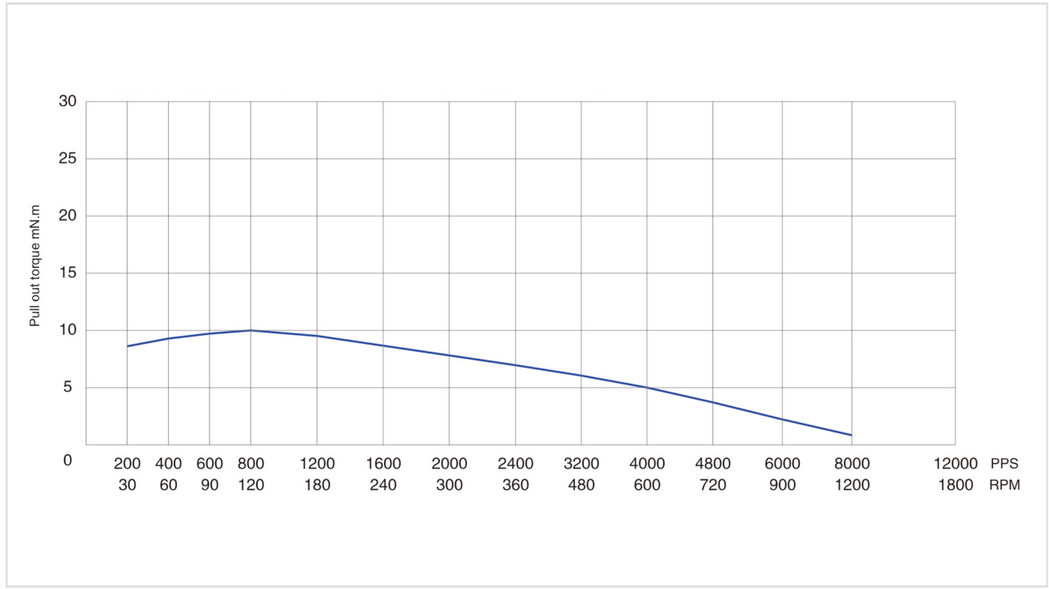
距频特性曲线-8HY30



20mm法兰常规电机

Hybrid Stepping Motor-Nema8

距频特性曲线-8HY40

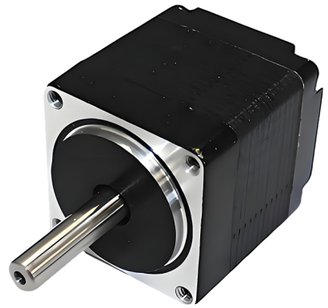


28mm法兰常规电机

Hybrid Stepping Motor-Nema11

Nema11步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

All motors in this series support optional installation of HE-series incremental encoders and BE-series multi-turn absolute encoders, enabling full closed-loop control with encoder feedback. All motors are available with a wide range of fieldbus drive specifications(Such as EtherCAT,CANopen,EtherNet/IP,Modbus etc.). The host system is compatible with various PLCs, PCs, embedded systems, and more. For detailed information, please visit our website or contact us.



◎ Feature

- NEMA 11 Series Flange 28系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	11HY41	11HY34	11HY45	11HY51
相电阻 Phase resistance ohm±10%	7.5	6.5	6.7	9.2
相电感 Phase inductance mH± 20%	6	4.2	3.8	9
额定电流 Rated current A	0.75	0.75	0.75	0.67
保持转矩 Holding torque mN.m	80	60	95	120
机身 L(max)mm	41	34	45	51
电机重量 Motor weight g	140	120	160	180
转动惯量 Rotary inertia g.cm^2	12	9	15	18
定位转矩 Positioning torque mN.m	6	5	8	10

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

11HY4101-HE1000

11HY41=机身高度41mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

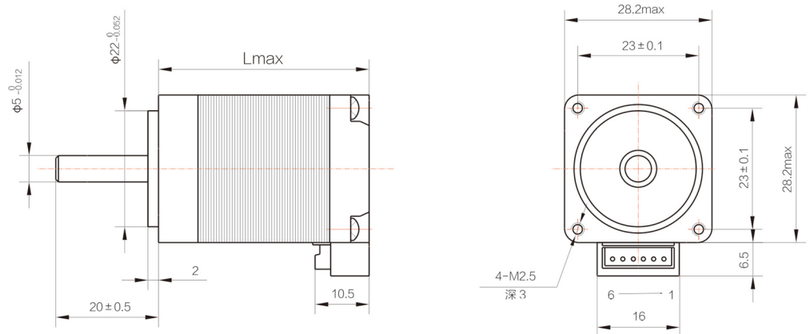
可选配件 ACCESSORIES

- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

28mm法兰常规电机

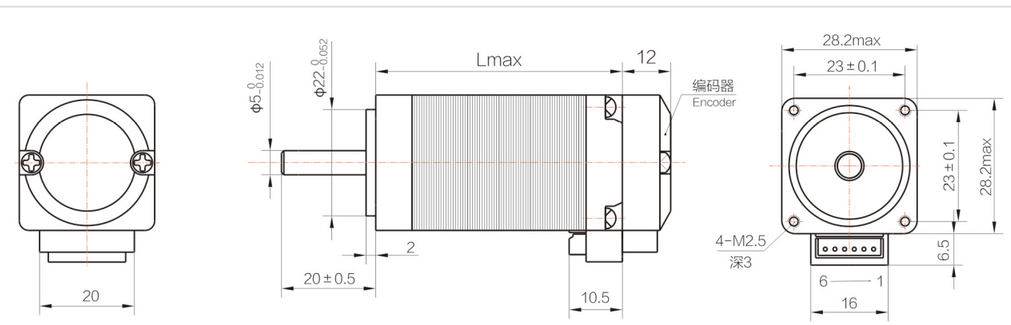
Hybrid Stepping Motor-Nema11

无编码器 Without Encoder



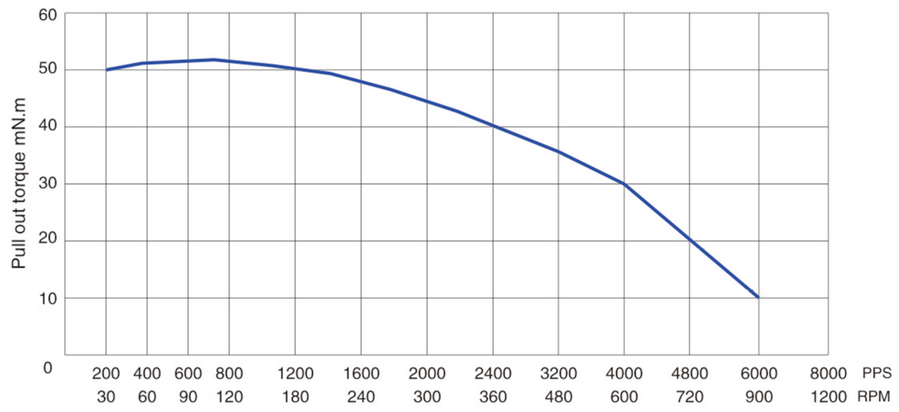
出轴长度可定制The length of output shaft can be customized.

集成编码器 With Encoder



出轴长度可定制The length of output shaft can be customized.

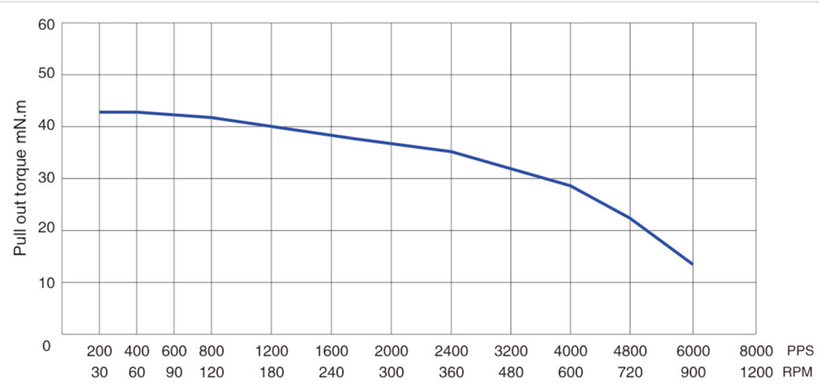
距频特性曲线-11HY41



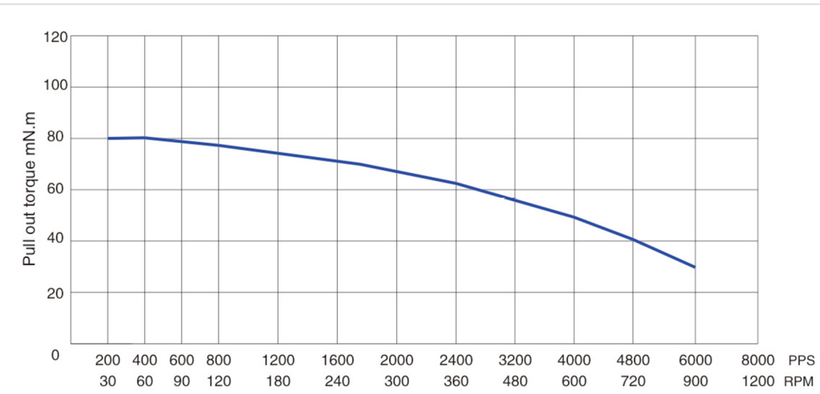
28mm法兰常规电机

Hybrid Stepping Motor-Nema11

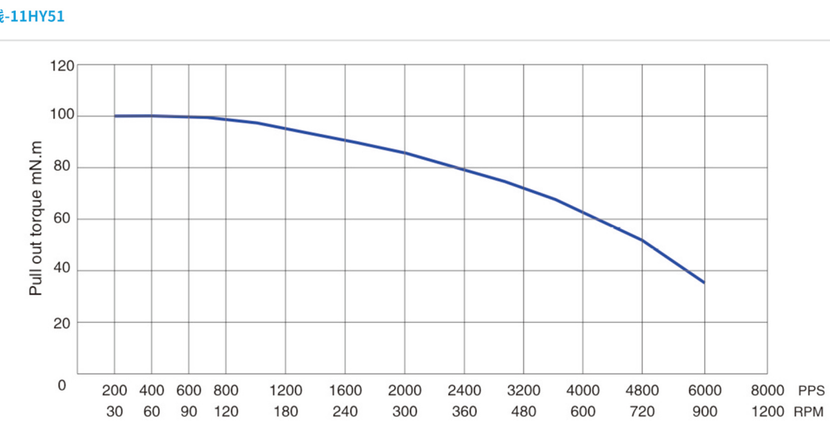
距频特性曲线-11HY34



距频特性曲线-11HY45



距频特性曲线-11HY51



35mm法兰常规电机

Hybrid Stepping Motor-Nema14

Nema14步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。
主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

All motors in this series support optional installation of HE-series incremental encoders and BE-series multi-turn absolute encoders, enabling full closed-loop control with encoder feedback. All motors are available with a wide range of fieldbus drive specifications(Such as EtherCAT,CANopen,EtherNet/IP,Modbus etc.). The host system is compatible with various PLCs, PCs, embedded systems, and more. For detailed information, please visit our website or contact us.



◎ Feature

- NEMA 14 Series Flange 35系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	14HS34	14HS48
相电阻 Phase resistance ohm±10%	2.7	2.3
相电感 Phase inductance mH± 20%	3.7	2.8
额定电流 Rated current A	1	1.5
保持转矩 Holding torque mN.m	160	320
机身 L(max)mm	34	48
电机重量 Motor weight g	180	280
转动惯量 Rotary inertia g.cm²	18	26
定位转矩 Positioning torque mN.m	12	18

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订货代号 ORDER IDENTIFIER

14HS3401-HE1000

14HS34=机身高度34mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

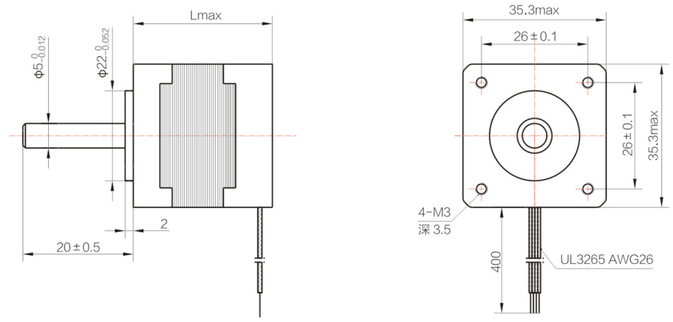
可选配件 ACCESSORIES

- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

35mm法兰常规电机

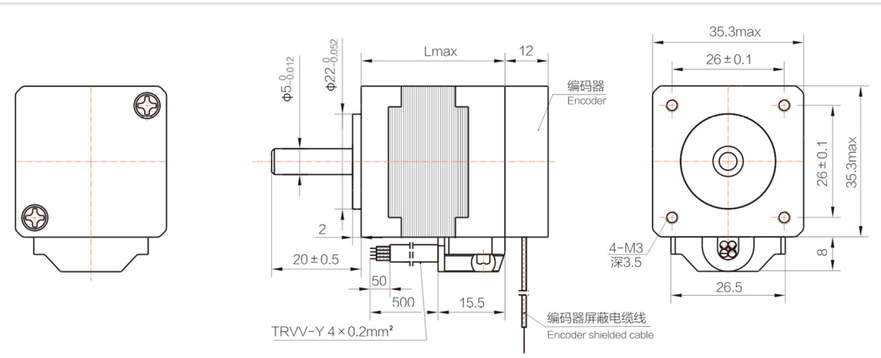
Hybrid Stepping Motor-Nema14

无编码器 Without Encoder

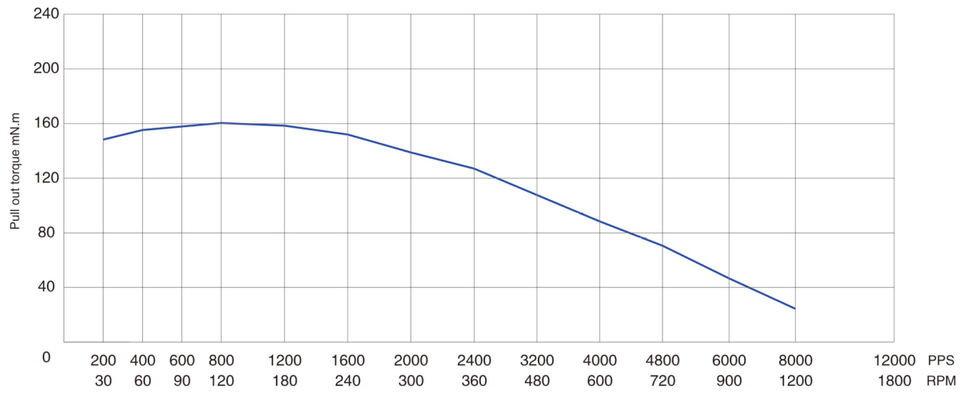


出轴长度可定制The length of output shaft can be customized.

集成编码器 With Encoder



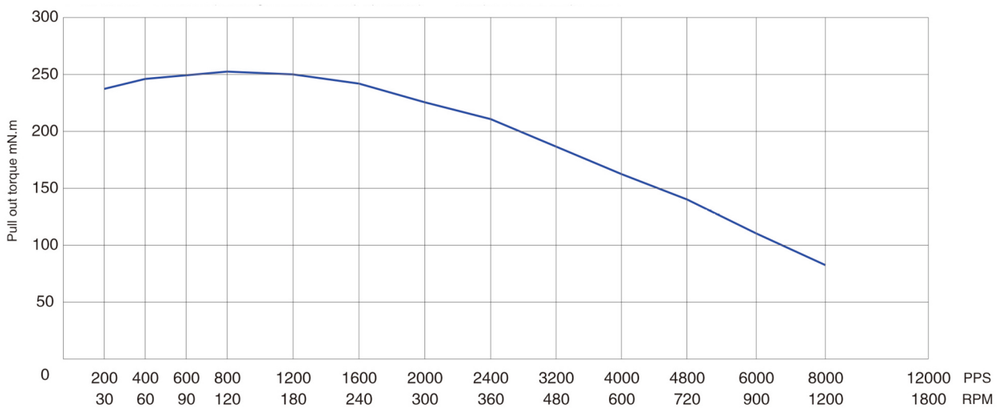
距频特性曲线-14HS34



35mm法兰常规电机

Hybrid Stepping Motor-Nema14

距频特性曲线-14HS48

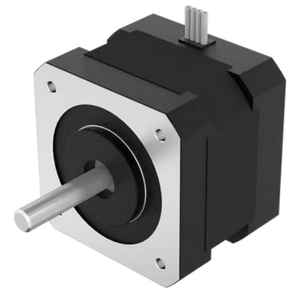


42mm法兰常规电机

Hybrid Stepping Motor-Nema17

Nema17步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。
主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

All motors in this series support optional installation of HE-series incremental encoders and BE-series multi-turn absolute encoders, enabling full closed-loop control with encoder feedback. All motors are available with a wide range of fieldbus drive specifications(Such as EtherCAT,CANopen,EtherNet/IP,Modbus etc.). The host system is compatible with various PLCs, PCs, embedded systems, and more. For detailed information, please visit our website or contact us.



◎ Feature

- NEMA 17 Series Flange 42系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	17HS22	17HS34	17HS40	17HS48	17HS60
相电阻 Phase resistance ohm±10%	3.3	1.56	1.9	2	2.7
相电感 Phase inductance mH± 20%	4.5	2	4.5	3.85	6.5
额定电流 Rated current A	0.8	1.5	1.67	1.5	1.5
保持转矩 Holding torque mN.m	120	260	400	430	650
机身 L(max)mm	22	34	40	48	60
电机重量 Motor weight g	140	200	240	340	500
转动惯量 Rotary inertia g.cm^2	15	38	57	82	102
定位转矩 Positioning torque mN.m	3	12	18	24	40

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

17HS2201-HE1000

17HS22=机身高度22mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

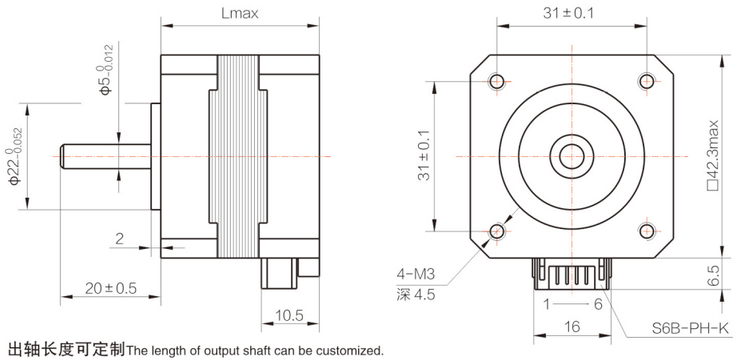
可选配件 ACCESSORIES

- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

42mm法兰常规电机

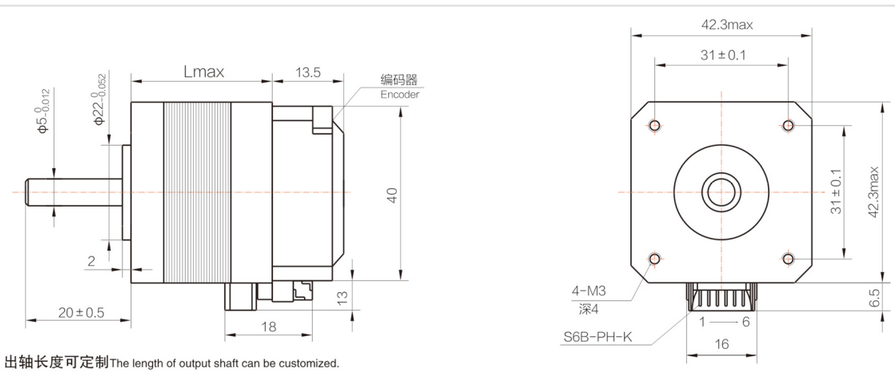
Hybrid Stepping Motor-Nema17

无编码器 Without Encoder



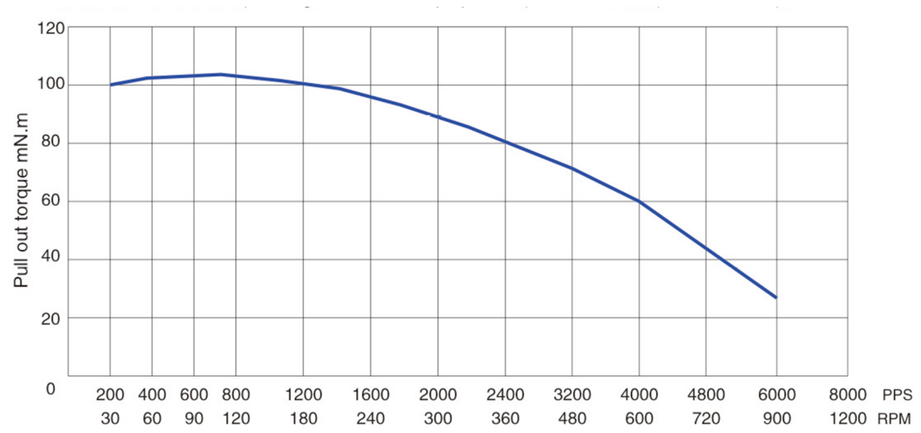
出轴长度可定制The length of output shaft can be customized.

集成编码器 With Encoder



出轴长度可定制The length of output shaft can be customized.

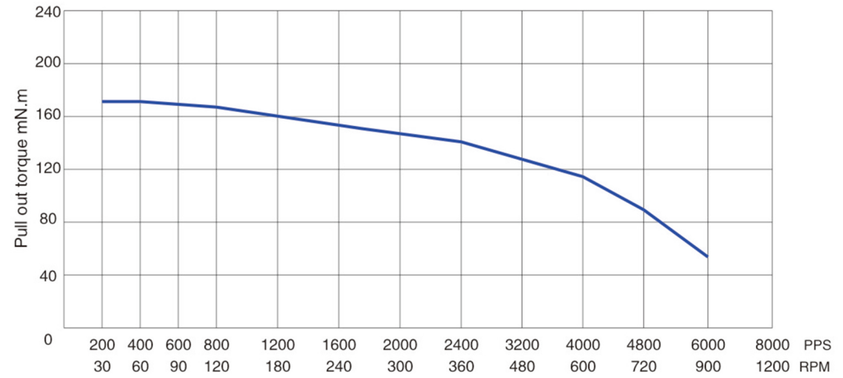
距频特性曲线-17HS22



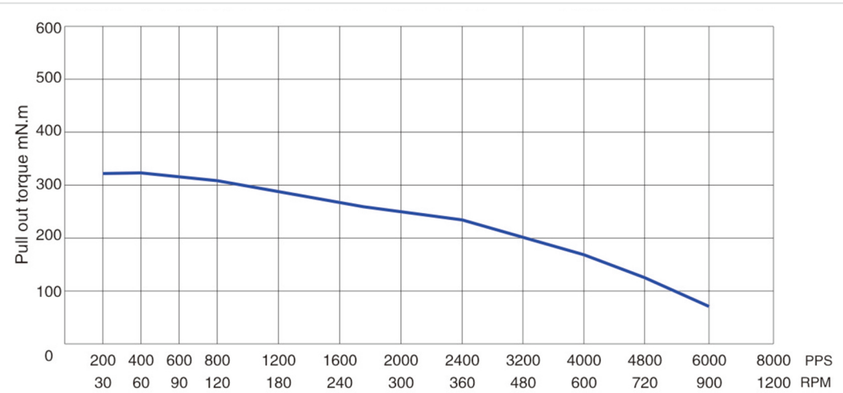
42mm法兰常规电机

Hybrid Stepping Motor-Nema17

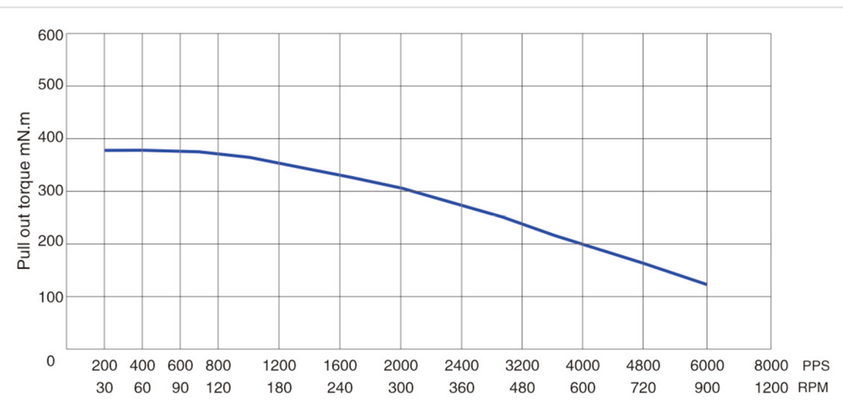
距频特性曲线-17HS34



距频特性曲线-17HS40



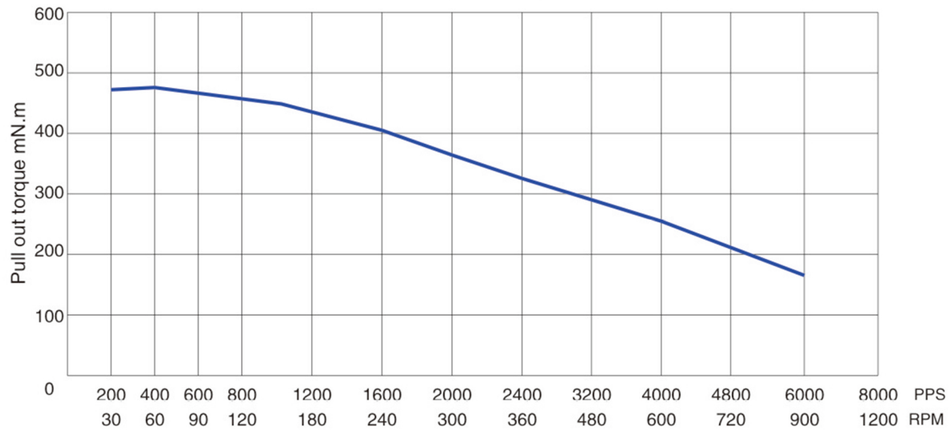
距频特性曲线-17HS48



42mm法兰常规电机

Hybrid Stepping Motor-Nema17

距频特性曲线-17HS60



57mm法兰常规电机

Hybrid Stepping Motor-Nema23

Nema23步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。
主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

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◎ Feature

- NEMA 23 Series Flange 57系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	23HS45	23HS54	23HS56	23HS76	23HS82	23HS100
相电阻 Phase resistance ohm±10%	1.63	0.62	1.1	0.5	0.55	0.8
相电感 Phase inductance mH± 20%	4.2	2.5	3.2	1.7	2.3	3
额定电流 Rated current A	2	3	3	4	4	4.5
保持转矩 Holding torque N.m	0.7	1.2	1.3	1.6	2.1	2.5
机身 L(max)mm	45	54	56	76	82	100
电机重量 Motor weight g	500	600	620	1000	1000	1500
转动惯量 Rotary inertia g.cm^2	155	260	280	460	520	660
定位转矩 Positioning torque mN.m	25	40	45	70	78	100

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

23HS4501-HE1000

23HS45=机身高度45mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

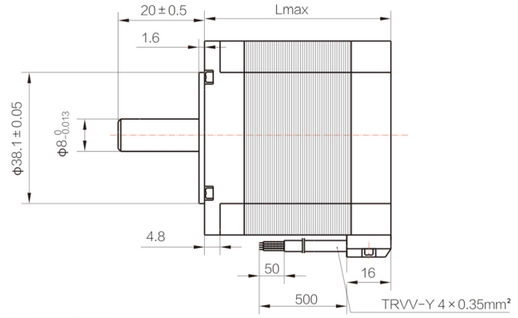
可选配件 ACCESSORIES

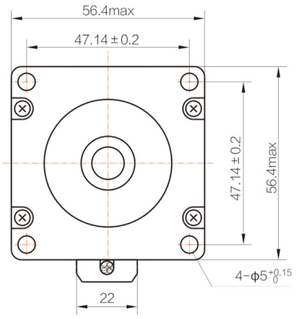
- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

57mm法兰常规电机

Hybrid Stepping Motor-Nema23

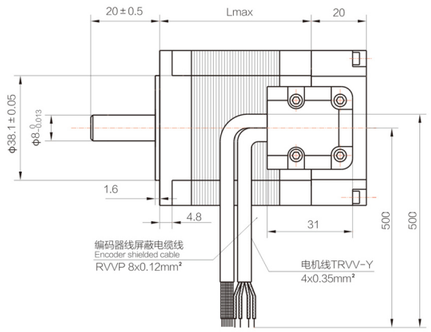
无编码器 Without Encoder

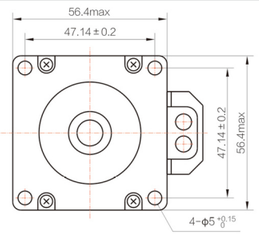




出轴长度可定制The length of output shaft can be customized.

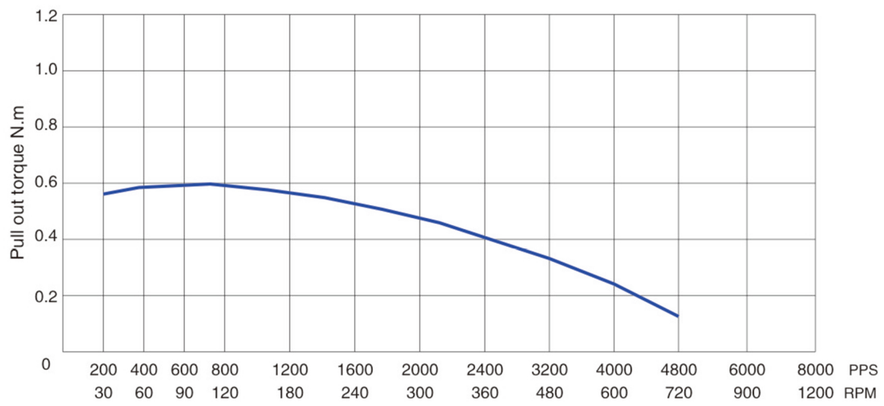
集成编码器 With Encoder





出轴长度可定制The length of output shaft can be customized.

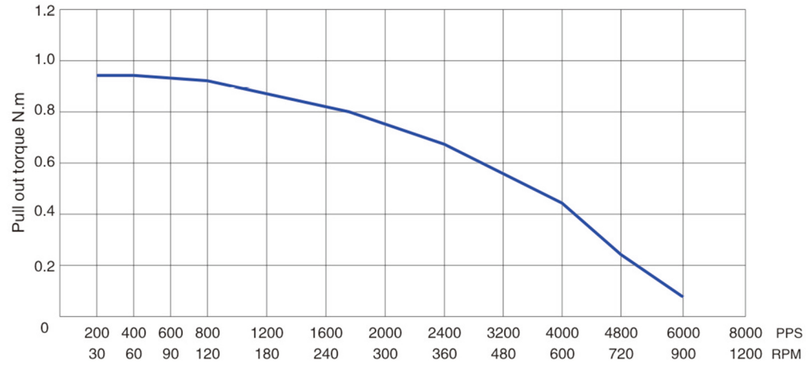
距频特性曲线-23HS45



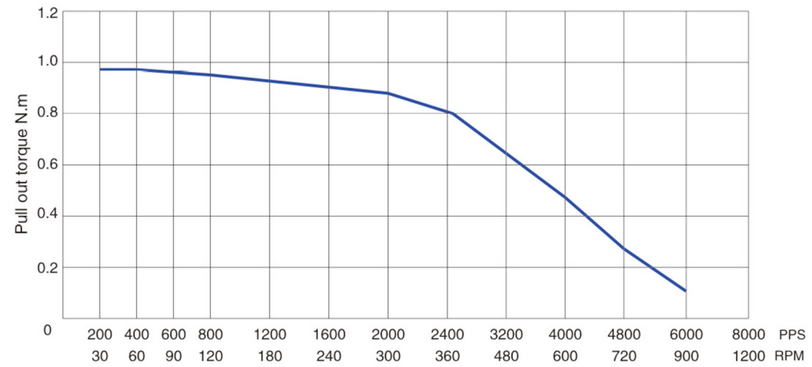
57mm法兰常规电机

Hybrid Stepping Motor-Nema23

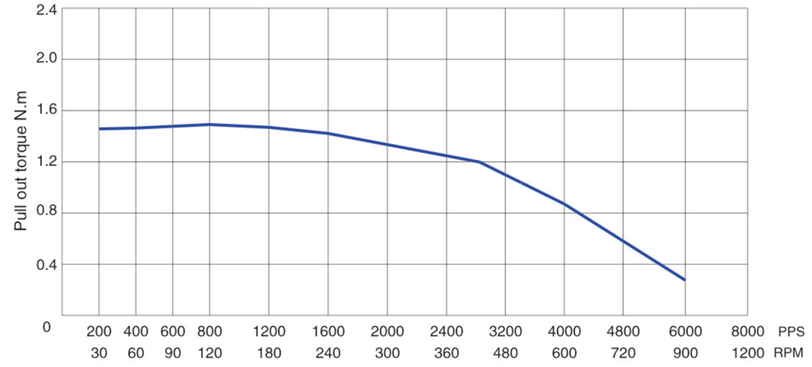
距频特性曲线-23HS54



距频特性曲线-23HS56



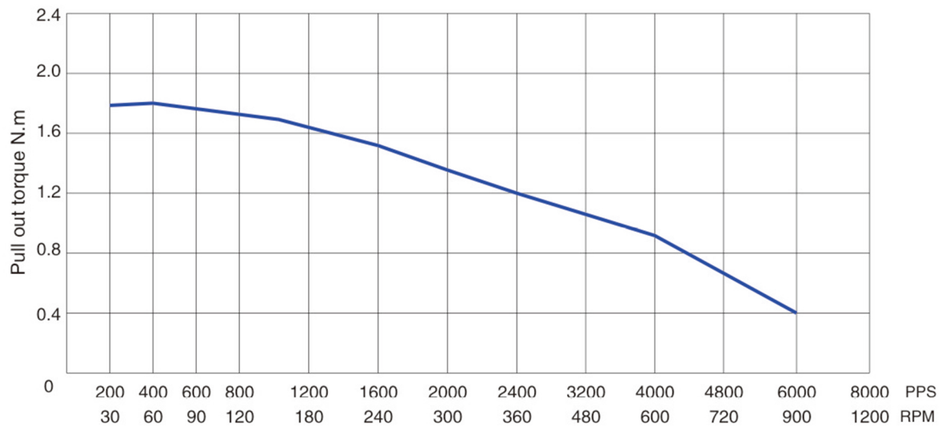
距频特性曲线-23HS76



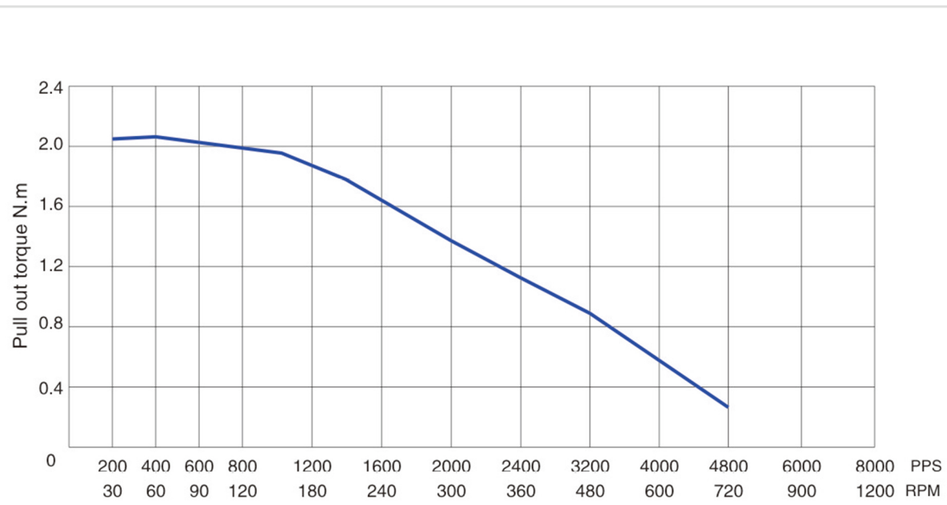
57mm法兰常规电机

Hybrid Stepping Motor-Nema23

距频特性曲线-23HS82



距频特性曲线-23HS100



86mm法兰常规电机

Hybrid Stepping Motor-Nema34

Nema34步进电机，该系列所有电机支持选装HE系列增量编码器、BE系列多圈绝对值编码器，支持编码器反馈的全闭环控制。所有电机提供丰富的总线驱动器规格。
主机支持各类PLC，电脑PC，嵌入式系统等。详细信息请浏览网站或与我们联系。

All motors in this series support optional installation of HE-series incremental encoders and BE-series multi-turn absolute encoders, enabling full closed-loop control with encoder feedback. All motors are available with a wide range of fieldbus drive specifications(Such as EtherCAT,CANopen,EtherNet/IP,Modbus etc.). The host system is compatible with various PLCs, PCs, embedded systems, and more. For detailed information, please visit our website or contact us.



◎ Feature

- NEMA 34 Series Flange 86系列法兰
- Encoder Compatible / Supports Encoder Integration 可配套编码器
- Extended Service Life and Enhanced Precision 更长的寿命和更高的精度
- Available in Different Lengths 提供不同长度
- Motor Controllers/Drivers Available 电机控制器/驱动器可用

◎ VERSIONS

系列代码 Series models	34HS76	34HS98	34HS112	34HS128	34HS150
相电阻 Phase resistance ohm±10%	0.5	0.4	0.6	0.6	0.9
相电感 Phase inductance mH± 20%	3.7	4	5	5.5	11
额定电流 Rated current A	4	6	5	6	5
保持转矩 Holding torque N.m	3.5	7	7.6	10	13
机身 L(max)mm	76	98	112	128	150
电机重量 Motor weight g	1400	2700	3500	4200	5300
转动惯量 Rotary inertia g.cm^2	1400	1700	2700	2800	3600
定位转矩 Positioning torque N.m	0.14	0.19	0.23	0.24	0.32

* 衍生品可以与我们沟通 Derivatives can communicate with us

订货代号 ORDER IDENTIFIER

34HS7601-HE1000

34HS76=机身高度76mm（Length）

01（04）=出线方式，01代表插件，04代表直接出线
01（04）=Motor outlet mode:01 stands for plug-in and 04 stands for lead

E1000=编码器（可选增量/多圈编码器）
E1000=Encoder（Optional ABI/Multi-turn encoder）

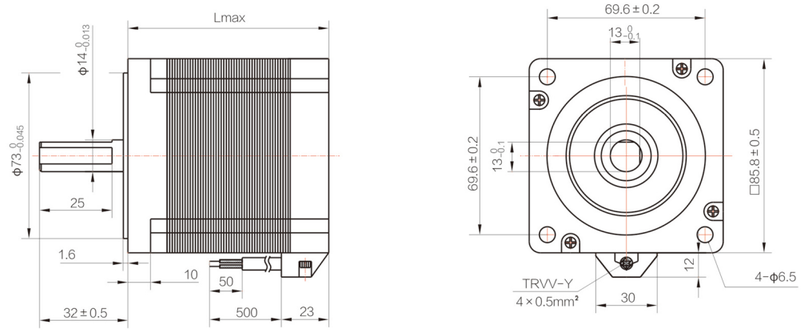
可选配件 ACCESSORIES

- Encoder 高精度编码器
- Motor Controllers/Drives 电机驱动控制器
- 编码器/控制器 规格多样，具体信息请与我们联络。 Multiple encoders Drives supported, please contactus.

86mm法兰常规电机

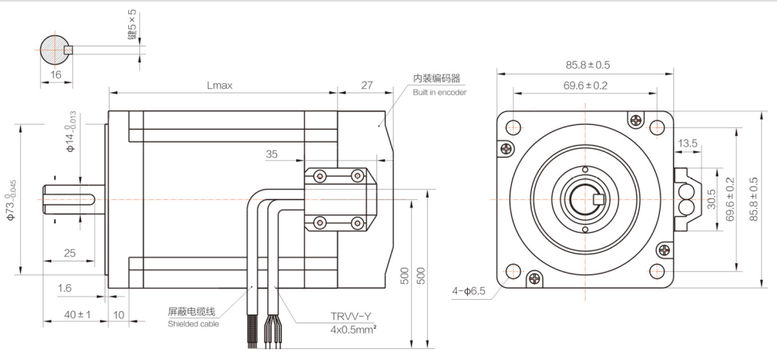
Hybrid Stepping Motor-Nema34

无编码器 Without Encoder



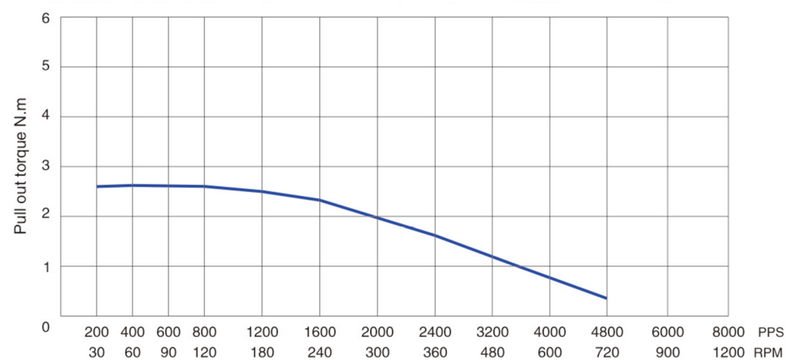
出轴长度可定制The length of output shaft can be customized.

集成编码器 With Encoder



出轴长度可定制The length of output shaft can be customized.

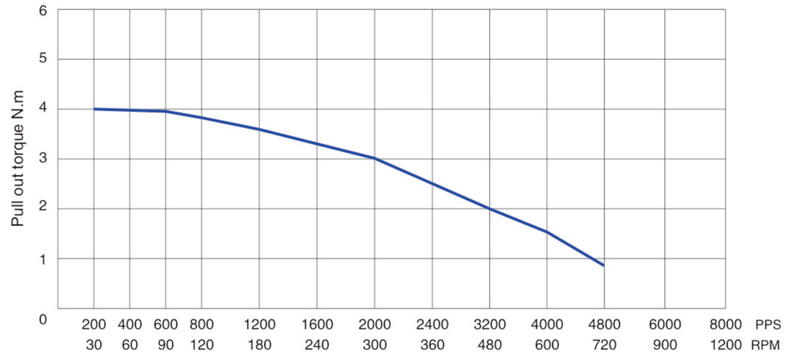
距频特性曲线-34HS76



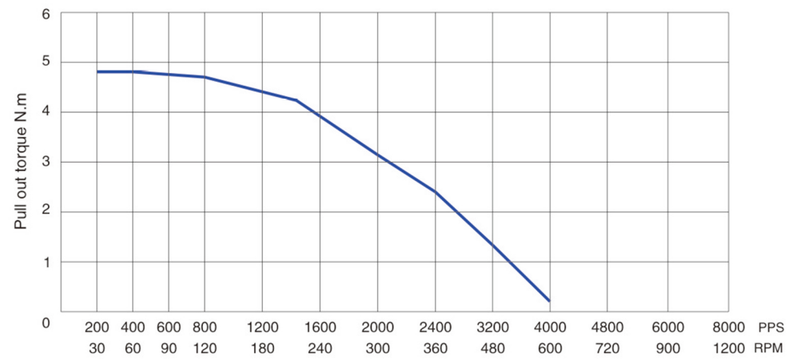
86mm法兰常规电机

Hybrid Stepping Motor-Nema34

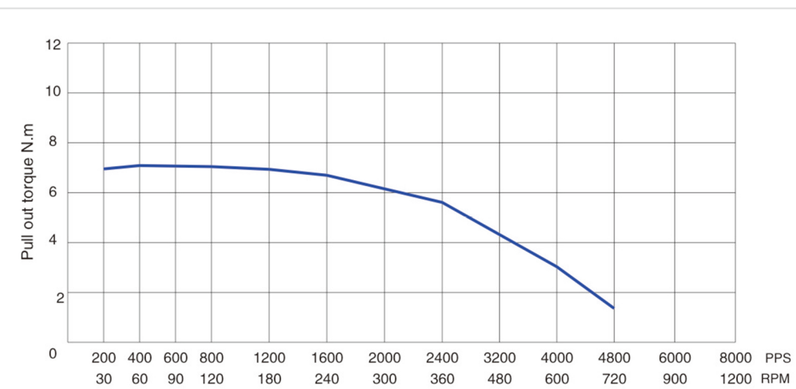
距频特性曲线-34HS98



距频特性曲线-34HS112



距频特性曲线-34HS128



86mm法兰常规电机

Hybrid Stepping Motor-Nema34

距频特性曲线-34HS150

