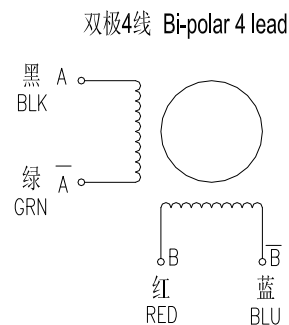


NEMA8 (□20mm) 2相 1.8°-8HY 2 Phase

接线图 Wiring Diagram



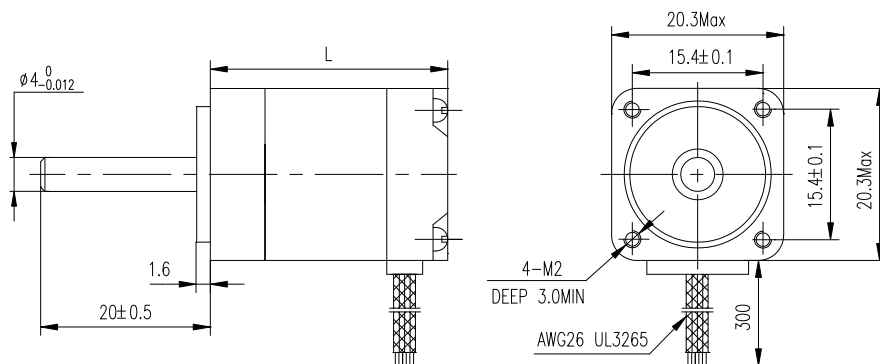
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 8HY2402 | 0.2 | 23 | 7.2 | 4 | 1.4 | 28 | 2.5 | 50 | 1.8 |
| 8HY2406 | 0.6 | 3.2 | 0.9 | | | | | | |
| 8HY3402 | 0.2 | 25 | 8.4 | 4 | 1.8 | 34 | 3.2 | 70 | |
| 8HY3406 | 0.6 | 4.5 | 1.2 | | | | | | |
| 8HY4402 | 0.2 | 32 | 8.8 | 4 | 2.6 | 40 | 4.5 | 82 | |
| 8HY4406 | 0.6 | 5.8 | 1.6 | | | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit=mm)

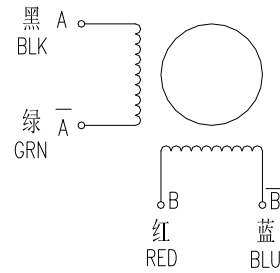


NEMA11(□28mm)2 相 1.8° -11HY 2 Phase

接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



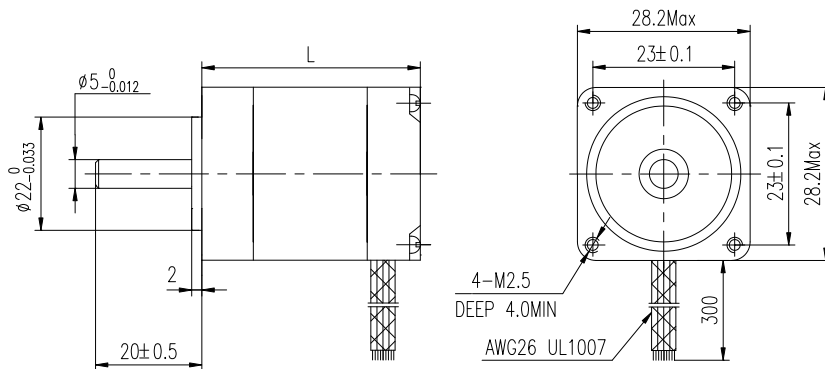
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 11HY2401 | 0.67 | 4.2 | 2.2 | 4 | 4.5 | 28 | 6 | 105 | 1.8 |
| 11HY2402 | 0.35 | 12 | 5.8 | | | | | | |
| 11HY3401 | 0.67 | 5.5 | 3.2 | 4 | 6.0 | 33 | 8 | 110 | |
| 11HY3402 | 0.35 | 15 | 9.2 | | | | | | |
| 11HY4401 | 0.67 | 7.0 | 6.0 | 4 | 8.0 | 41 | 11 | 140 | |
| 11HY4402 | 0.35 | 20 | 15 | | | | | | |
| 11HY5401 | 0.67 | 9.0 | 7.2 | 4 | 10 | 50 | 13 | 180 | |
| 11HY5402 | 0.35 | 24 | 18.5 | | | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit=mm)

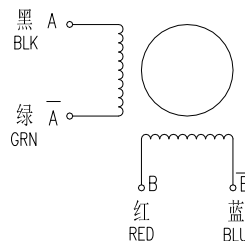


NEMA14(□35mm)2相 0.9°-14HM 2 Phase

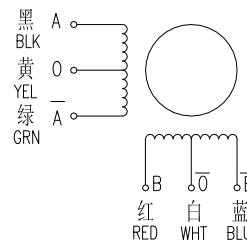


接线图 Wiring Diagram

双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



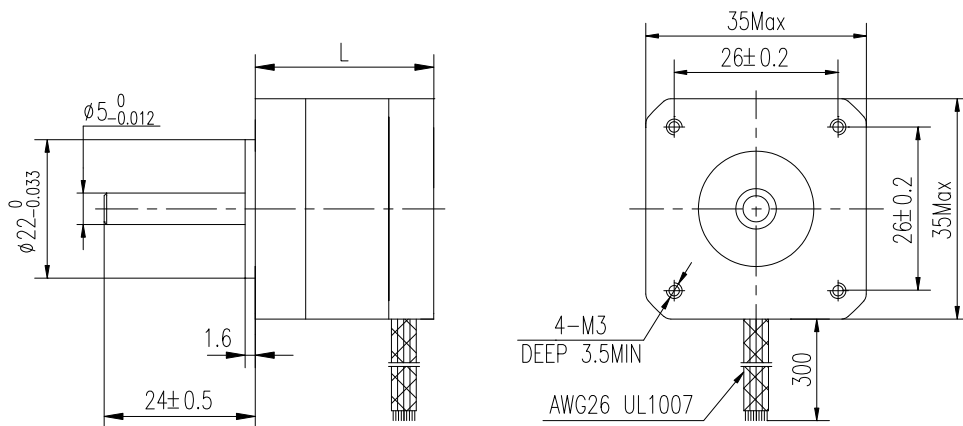
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 14HM0404 | 0.4 | 22 | 16 | 4 | 5 | 20 | 10 | 95 | 0.9 |
| 14HM2401 | 0.8 | 4.5 | 4.2 | 4 | 9 | 28 | 12 | 130 | |
| 14HM2402 | 0.55 | 10 | 9.5 | 4 | 9 | | | | |
| 14HM3401 | 0.8 | 6 | 10 | 4 | 14 | 34 | 18 | 190 | |
| 14HM3630 | 0.4 | 30 | 18 | 6 | 10 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

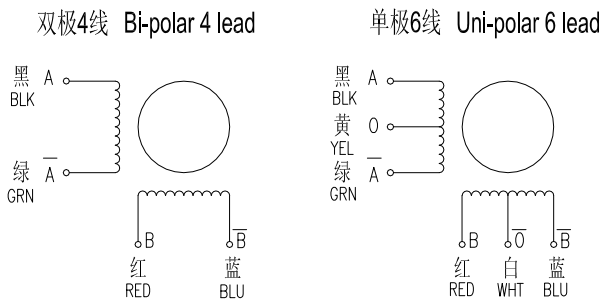
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:m)



NEMA14(□35mm)2 相 1.8° -14HY 2 Phase

接线图 Wiring Diagram



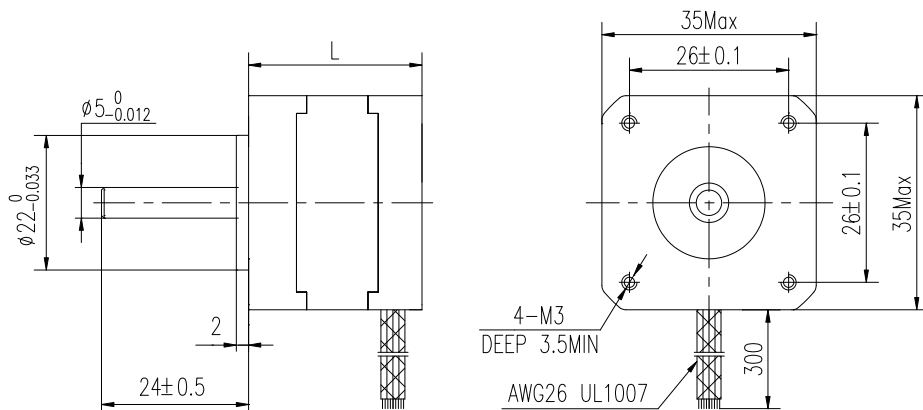
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 14HY0404 | 0.4 | 22 | 16 | 4 | 5 | 20 | 9 | 90 | 1.8 |
| 14HY2402 | 0.8 | 5.5 | 7 | 4 | 12 | 28 | 11 | 120 | |
| 14HY3402 | 0.8 | 6.5 | 11 | 4 | 18 | 34 | 13 | 160 | |
| 14HY3630 | 0.4 | 30 | 22 | 6 | 12 | | | | |
| 14HY4402 | 0.8 | 10.5 | 13 | 4 | 22 | 42 | 22 | 200 | |
| 14HY5418 | 1.8 | 2.5 | 5 | 4 | 30 | 52 | 26 | 230 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

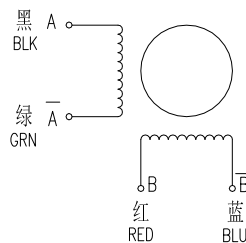


NEMA16(□39mm)2相 0.9°-16HM 2 Phase

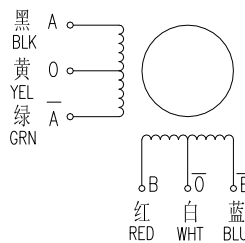
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



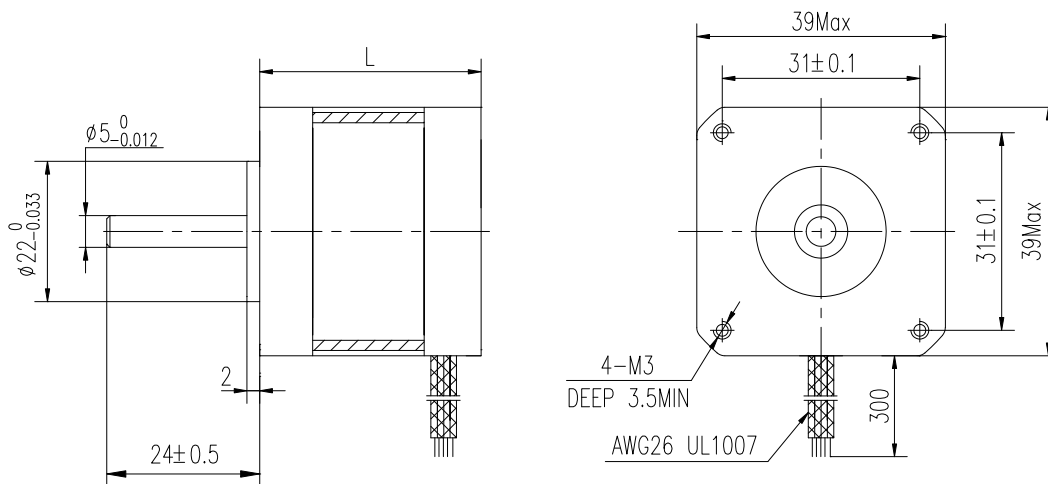
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 16HM0401 | 0.42 | 18 | 16 | 4 | 7 | 20 | 15 | 100 | 0.9 |
| 16HM2410 | 0.6 | 8 | 16 | 4 | 12 | 28 | 18 | 120 | |
| 16HM3401 | 0.6 | 9 | 15 | 4 | 16 | 34 | 23 | 160 | |
| 16HM3402 | 1.2 | 2.5 | 3.6 | | | | | | |
| 16HM4401 | 0.6 | 10 | 20 | 4 | 22 | 38 | 30 | 210 | |
| 16HM4630 | 0.4 | 30 | 26 | 6 | 18 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

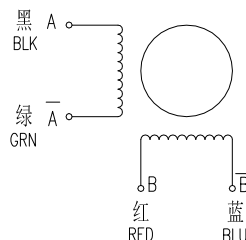


NEMA16(□39mm)2 相 1.8° -16HY 2 Phase

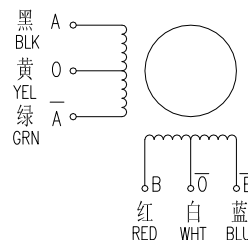
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



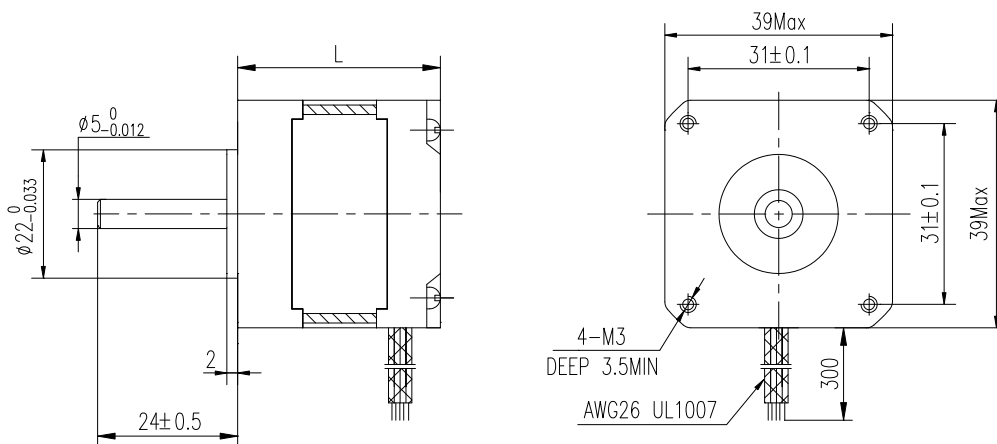
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 16HY0401 | 0.42 | 18 | 12 | 4 | 8 | 20 | 12 | 100 | 1.8 |
| 16HY2410 | 0.6 | 9 | 10 | 4 | 14 | 26 | 14 | 120 | |
| 16HY3401 | 0.6 | 12 | 13 | 4 | 18 | 34 | 19 | 160 | |
| 16HY3402 | 1.2 | 3 | 3 | | | | | | |
| 16HY4402 | 1.2 | 3.8 | 6.5 | 4 | 24 | 40 | 24 | 210 | |
| 16HY4630 | 0.4 | 30 | 20 | 6 | 18 | | | | |
| 16HY8405 | 0.5 | 22 | 24 | 4 | 35 | 48 | 28 | 250 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

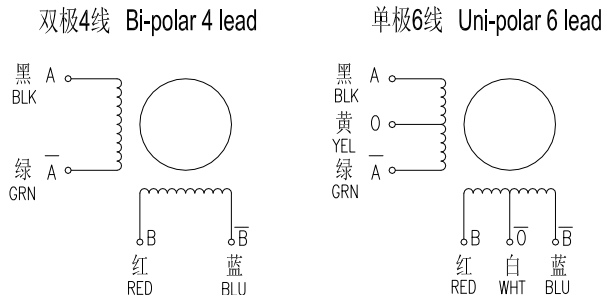
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA17(□42mm)2 相 3.6° -17HE 2 Phase

接线图 Wiring Diagram



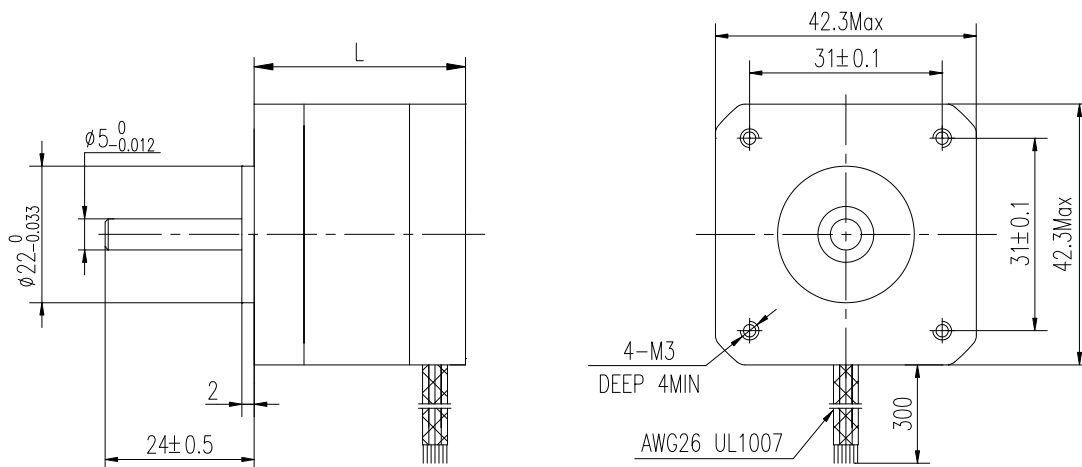
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 17HE3452 | 0.52 | 11 | 12 | 4 | 12 | 34 | 34 | 220 | 3.6 |
| 17HE3616 | 0.16 | 75 | 28 | 6 | 8 | | | | |
| 17HE3606 | 0.6 | 10.5 | 5 | 6 | 9.5 | | | | |
| 17HE4650 | 0.25 | 45 | 22 | 6 | 40 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

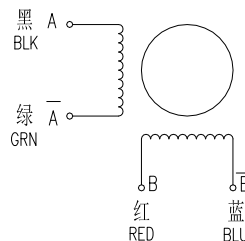


NEMA17(□42mm)2 相 0.9° -17HM 2 Phase

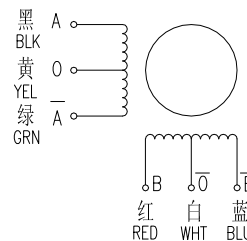


接线图 Wiring Diagram

双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



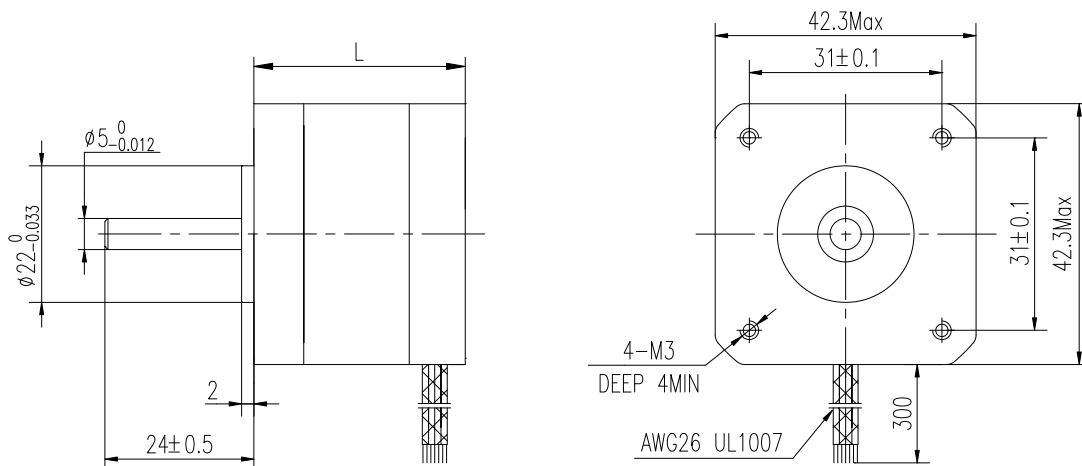
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 17HM0403 | 0.3 | 25 | 33 | 4 | 8 | 20 | 24 | 120 | 0.9 |
| 17HM2410 | 0.42 | 8 | 13 | 4 | 10 | 28 | 30 | 140 | |
| 17HM3401 | 1.3 | 2.4 | 4.0 | 4 | 22 | 34 | 34 | 220 | |
| 17HM4401 | 1.7 | 1.5 | 3.8 | 4 | 36 | 40 | 54 | 280 | |
| 17HM4630 | 0.4 | 30 | 30 | 6 | 26 | | | | |
| 17HM8401 | 1.7 | 1.8 | 4.0 | 4 | 42 | 48 | 68 | 350 | |
| 17HM8630 | 0.4 | 30 | 28 | 6 | 32 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

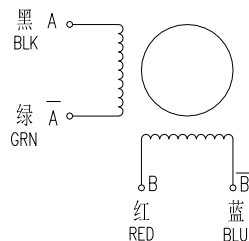


NEMA17(□42mm)2相 1.8°-17HS 2 Phase

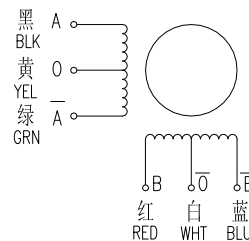


接线图 Wiring Diagram

双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



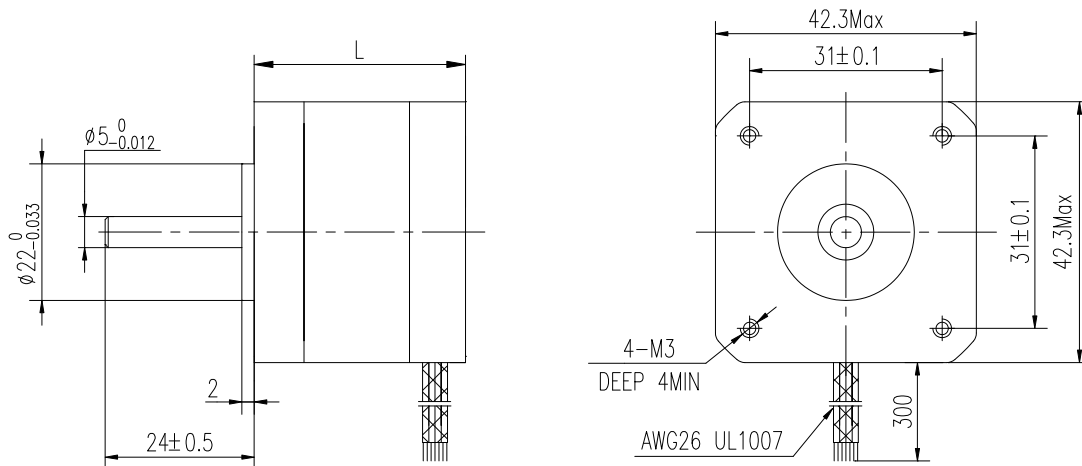
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 17HS0410 | 0.8 | 3.8 | 4.5 | 4 | 10 | 20 | 24 | 120 | 1.8 |
| 17HS2408 | 0.6 | 8 | 10 | 4 | 12 | 28 | 30 | 150 | |
| 17HS3401 | 1.3 | 2.4 | 3.5 | 4 | 28 | 34 | 34 | 220 | |
| 17HS4401 | 1.7 | 1.5 | 2.8 | 4 | 40 | 40 | 54 | 280 | |
| 17HS8401 | 1.7 | 1.8 | 3.2 | 4 | 50 | 48 | 68 | 350 | |
| 17HS8630 | 0.4 | 30 | 28 | 6 | 34 | | | | |
| 17HS9403 | 2.3 | 1.4 | 2.5 | 4 | 70 | 60 | 80 | 480 | |
| 17HS6403 | 2.3 | 1.5 | 2.2 | 4 | 80 | 63 | 85 | 500 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

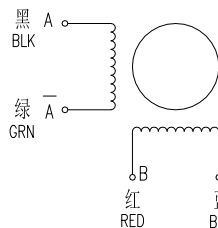


NEMA23(□57mm)2相 0.9°-23HM 2 Phase

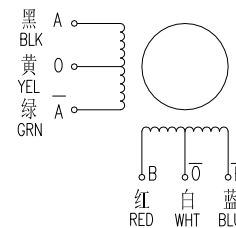
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



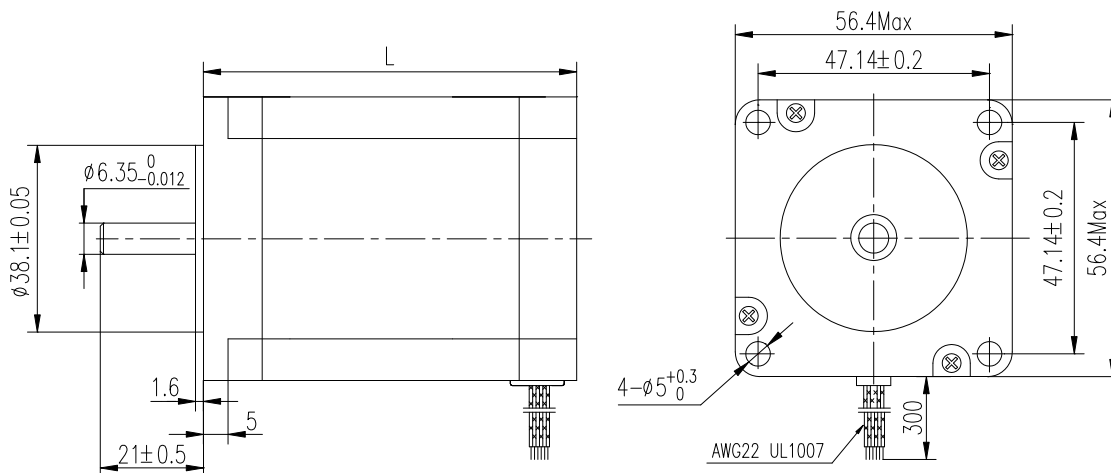
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|--|-------------------------------|-----------------------------|
| 23HM0408 | 2.0 | 1.2 | 3.0 | 4 | 0.32 | 41 | 150 | 0.47 | 0.9 |
| 23HM4425 | 2.5 | 1.0 | 3.0 | 4 | 0.62 | 45 | 190 | 0.52 | |
| 23HM5425 | 2.5 | 1.1 | 3.8 | 4 | 0.75 | 51 | 230 | 0.59 | |
| 23HM6430 | 3.0 | 0.7 | 2.8 | 4 | 1.0 | 56 | 280 | 0.68 | |
| 23HM7404 | 4.2 | 0.45 | 1.5 | 4 | 1.1 | 64 | 380 | 0.85 | |
| 23HM8404 | 4.2 | 0.55 | 2.2 | 4 | 1.5 | 76 | 440 | 1.05 | |
| 23HM8604 | 3.0 | 1.1 | 2.0 | 6 | 1.0 | | | | |
| 23HM1404 | 4.2 | 0.75 | 3.0 | 4 | 1.8 | 100 | 680 | 1.25 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

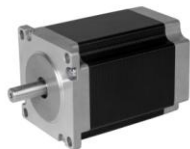
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

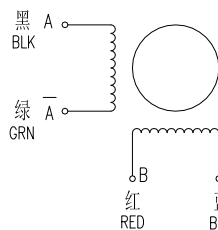


NEMA23(□57mm)2相 1.8°-23HS 2 Phase

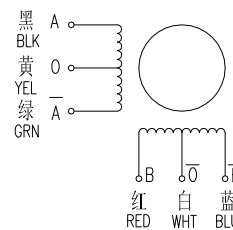
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



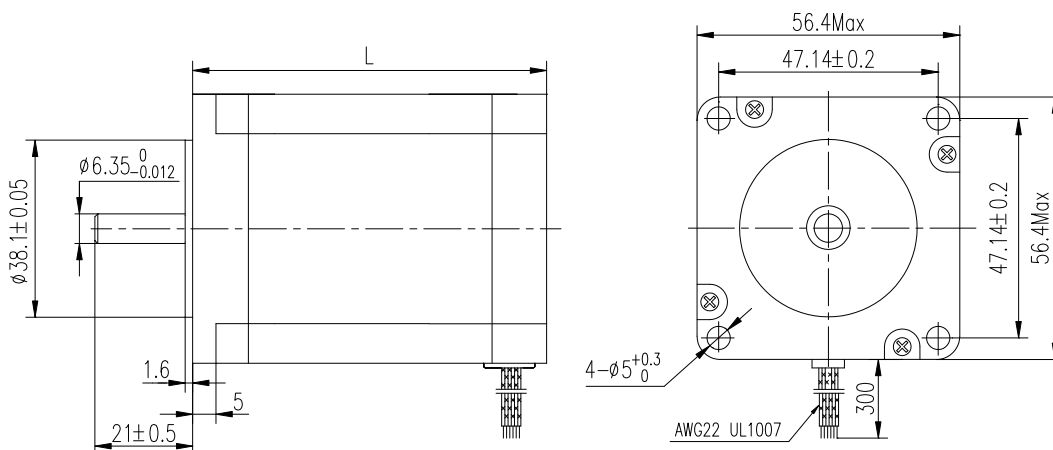
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|--|-------------------------------|-----------------------------|
| 23HS0405 | 0.62 | 12 | 28 | 4 | 0.55 | 41 | 150 | 0.47 | 1.8 |
| 23HS4425 | 2.5 | 1.0 | 2.2 | 4 | 0.8 | 45 | 190 | 0.52 | |
| 23HS5425 | 2.5 | 1.1 | 3.2 | 4 | 1.0 | 51 | 230 | 0.59 | |
| 23HS6430 | 3.0 | 0.7 | 2.4 | 4 | 1.1 | 56 | 280 | 0.68 | |
| 23HS7404 | 4.2 | 0.45 | 1.2 | 4 | 1.5 | 64 | 380 | 0.85 | |
| 23HS8404 | 4.2 | 0.55 | 1.8 | 4 | 1.8 | 76 | 440 | 1.05 | |
| 23HS8604 | 3.0 | 1.1 | 1.8 | 6 | 1.3 | | | | |
| 23HS1404 | 4.2 | 0.75 | 3.0 | 4 | 2.5 | 100 | 680 | 1.25 | |
| 23HS2404 | 4.2 | 0.8 | 3.8 | 4 | 2.8 | 112 | 800 | 1.4 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

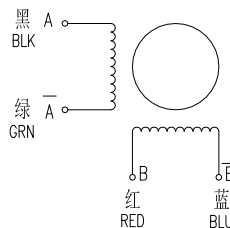


NEMA23(○57mm)2 相 1.8° -23HY 2 Phase

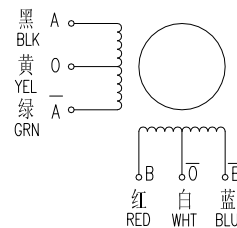
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



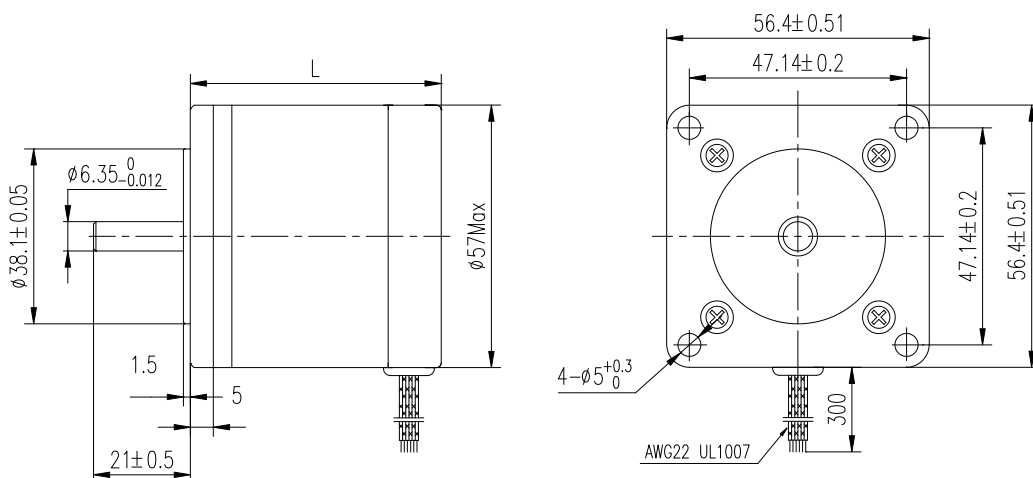
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|--|-------------------------------|-----------------------------|
| 23HY4607 | 0.38 | 32 | 28 | 6 | 0.3 | 41 | 60 | 0.45 | 1.8 |
| 23HY5481 | 1.4 | 2.5 | 6.2 | 4 | 0.62 | 51 | 118 | 0.6 | |
| 23HY5627 | 1.4 | 2.6 | 3.2 | 6 | 0.45 | | | | |
| 23HY6496 | 2.5 | 1.2 | 3.0 | 4 | 0.8 | 56 | 145 | 0.65 | |
| 23HY6669 | 1.2 | 5.0 | 6.8 | 6 | 0.6 | | | | |
| 23HY7406 | 4.2 | 0.5 | 1.4 | 4 | 1.1 | 76 | 230 | 0.8 | |
| 23HY7671 | 1.6 | 3.2 | 4.5 | 6 | 0.8 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

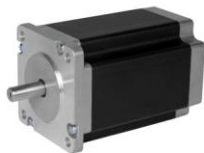
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

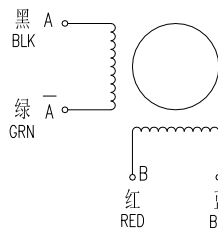


NEMA24(□60mm)2相 1.8°-24HS 2 Phase

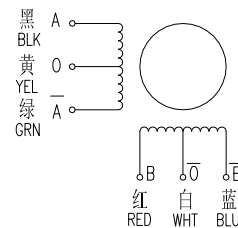
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead



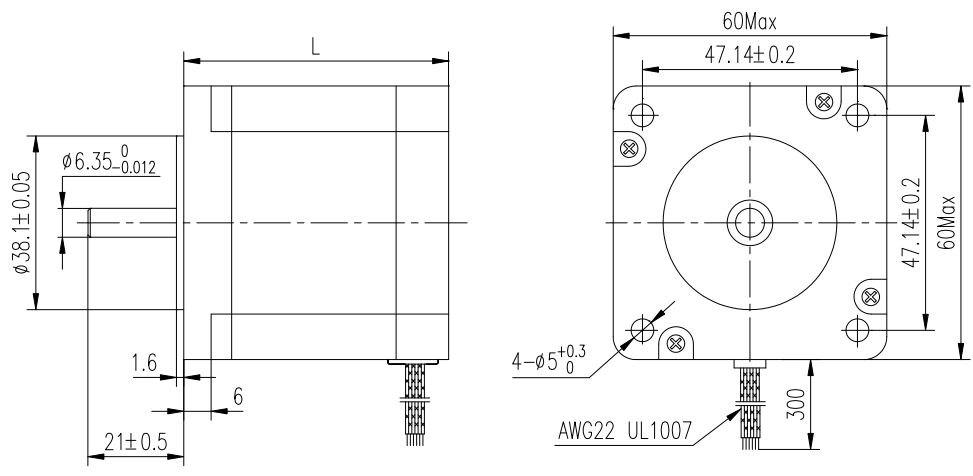
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|--|-------------------------------|-----------------------------|
| 24HS0408 | 2.0 | 1.2 | 2.5 | 4 | 0.65 | 41 | 180 | 0.5 | 1.8 |
| 24HS4425 | 2.5 | 1.0 | 2.2 | 4 | 0.85 | 45 | 200 | 0.55 | |
| 24HS5425 | 2.5 | 1.2 | 3.2 | 4 | 1.0 | 51 | 250 | 0.58 | |
| 24HS6430 | 3.0 | 0.8 | 2.4 | 4 | 1.5 | 56 | 350 | 0.7 | |
| 24HS7404 | 4.2 | 0.5 | 1.2 | 4 | 1.8 | 64 | 450 | 0.85 | |
| 24HS8404 | 4.2 | 0.6 | 1.8 | 4 | 2.2 | 76 | 550 | 1.15 | |
| 24HS8630 | 3.0 | 1.2 | 1.8 | 6 | 1.5 | | | | |
| 24HS1404 | 4.2 | 0.8 | 3.0 | 4 | 2.8 | 90 | 780 | 1.4 | |
| 24HS2404 | 4.2 | 0.9 | 3.5 | 4 | 3.2 | 100 | 850 | 1.55 | |
| 24HS3450 | 5.0 | 0.6 | 2.5 | 4 | 3.6 | 112 | 950 | 1.7 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

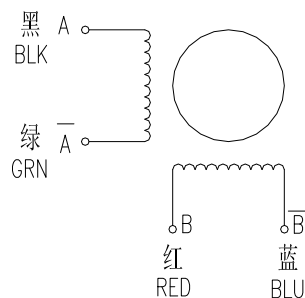


NEMA26 (O26mm) 2相 1.8°-26HY 2 Phase

接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



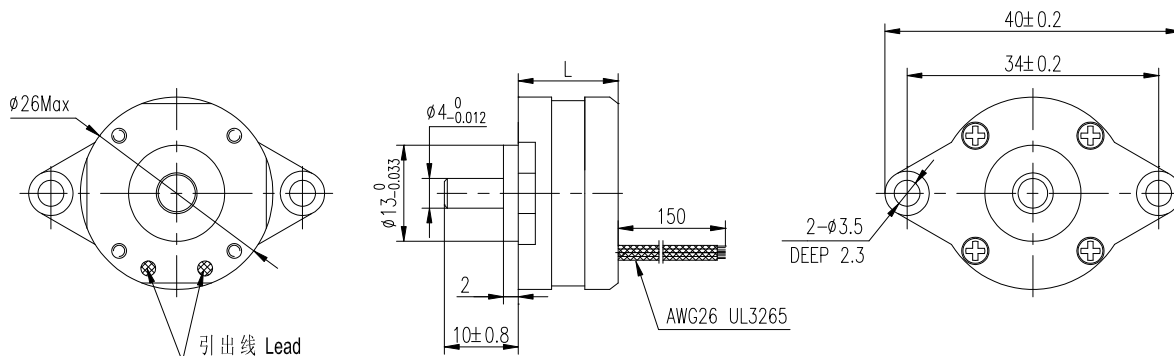
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 26HY0418 | 0.3 | 18 | 3.2 | 4 | 1.2 | 13.5 | 2.5 | 50 | 1.8 |
| 26HY1403 | 0.3 | 24 | 3.5 | 4 | 1.5 | 15 | 3.2 | 65 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

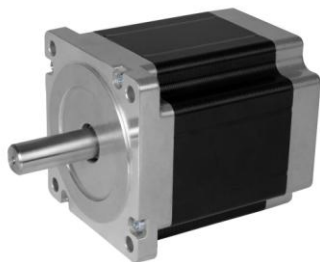
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit=mm)

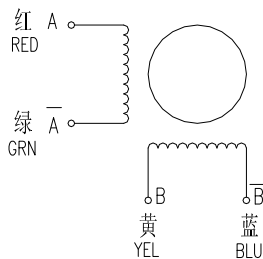


NEMA34(□86mm)2相 0.9° -34HM 2 Phase

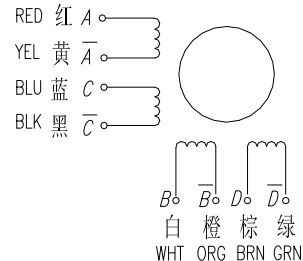
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极8线 Uni-polar 8 lead



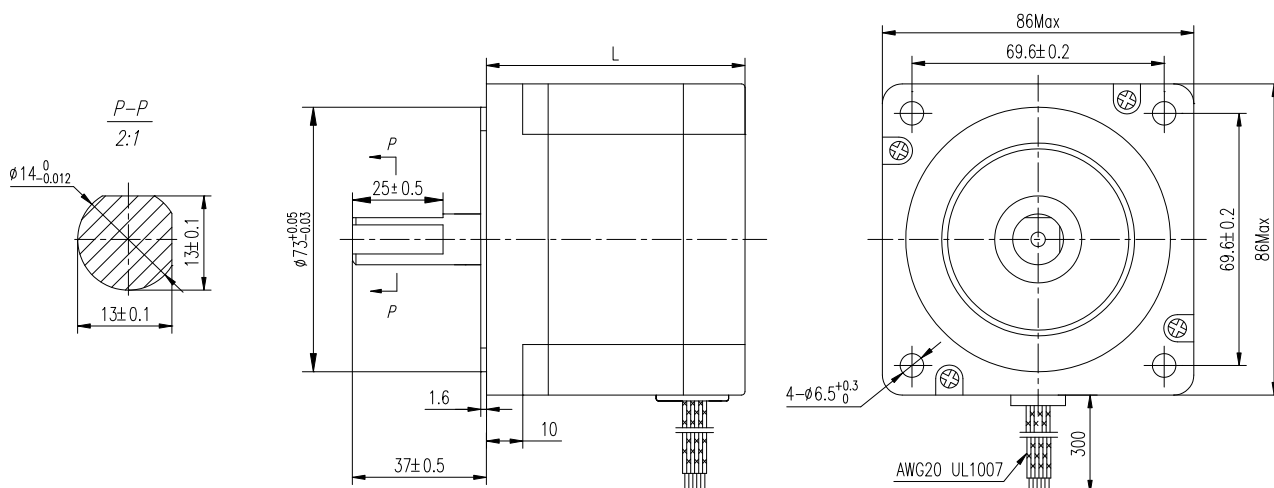
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 34HM6803 | 2.7 | 1.1 | 3.5 | 8 | 2.0 | 66 | 0.85 | 2.0 | 0.9 |
| 34HM8801 | 4.0 | 0.7 | 4.0 | 8 | 2.7 | 78 | 1.05 | 2.5 | |
| 34HM9802 | 5.0 | 0.6 | 3.2 | 8 | 4.2 | 98 | 1.55 | 3.0 | |
| 34HM4802 | 5.0 | 0.65 | 3.8 | 8 | 5.2 | 114 | 1.8 | 3.5 | |
| 34HM2403 | 4.0 | 1.2 | 12.5 | 4 | 8 | 126 | 2.2 | 3.9 | |
| 34HM2802 | 5.0 | 0.75 | 4.5 | 8 | 5.5 | | | | |
| 34HM5402 | 7 | 0.4 | 6.2 | 4 | 10.5 | 150 | 2.5 | 4.2 | |
| 34HM5802 | 5 | 0.8 | 6.2 | 8 | 7.5 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

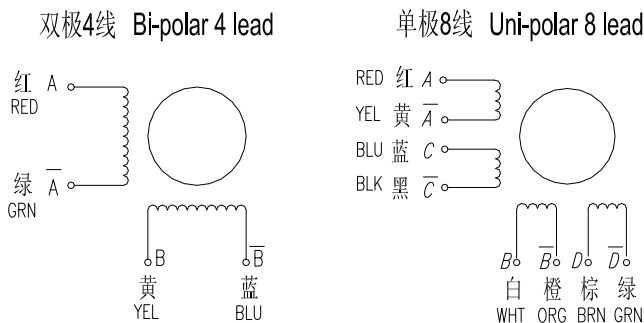
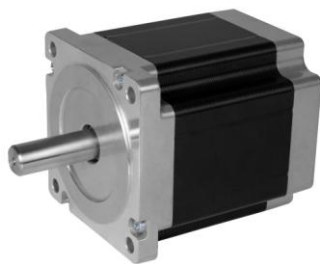
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA34(□86mm)2 相 1.8° -34HS 2 Phase

接线图 Wiring Diagram



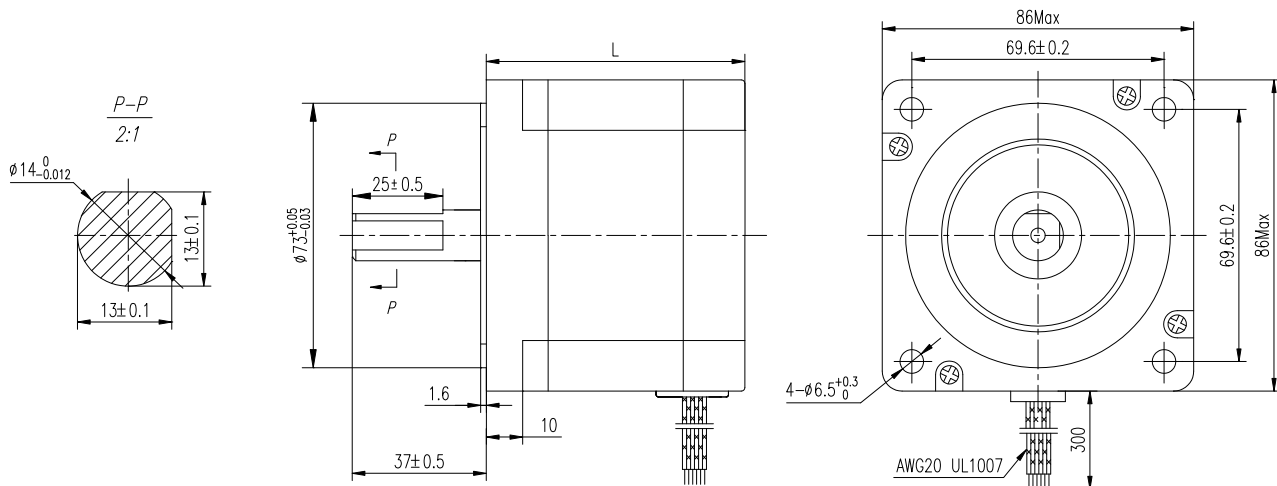
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 34HS6803 | 2.7 | 1.1 | 3.5 | 8 | 2.2 | 66 | 0.85 | 2.0 | 1.8 |
| 34HS8801 | 4.0 | 0.7 | 3.0 | 8 | 3.0 | 78 | 1.05 | 2.5 | |
| 34HS9802 | 5.0 | 0.6 | 2.4 | 8 | 4.9 | 98 | 1.55 | 3.0 | |
| 34HS4801 | 4.0 | 1.1 | 5.5 | 8 | 5.8 | 114 | 1.8 | 3.5 | |
| 34HS2401 | 5.6 | 0.6 | 5.8 | 4 | 8.9 | 126 | 2.2 | 3.9 | |
| 34HS2802 | 5.0 | 0.75 | 3.4 | 8 | 6.4 | | | | |
| 34HS5402 | 7 | 0.4 | 5.2 | 4 | 12 | 150 | 2.5 | 4.2 | |
| 34HS5802 | 5 | 0.8 | 5.2 | 8 | 8.5 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

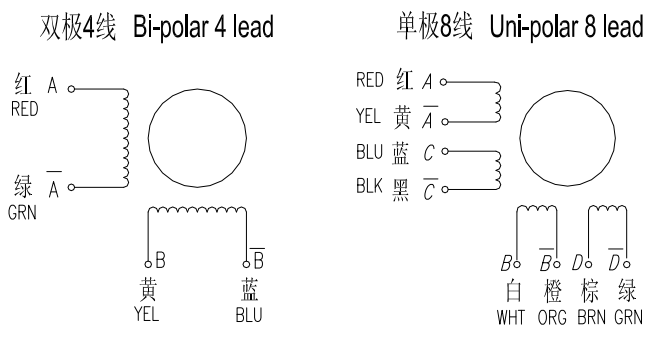
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA34(○86mm)2 相 1.8° -34HY 2 Phase

接线图 Wiring Diagram



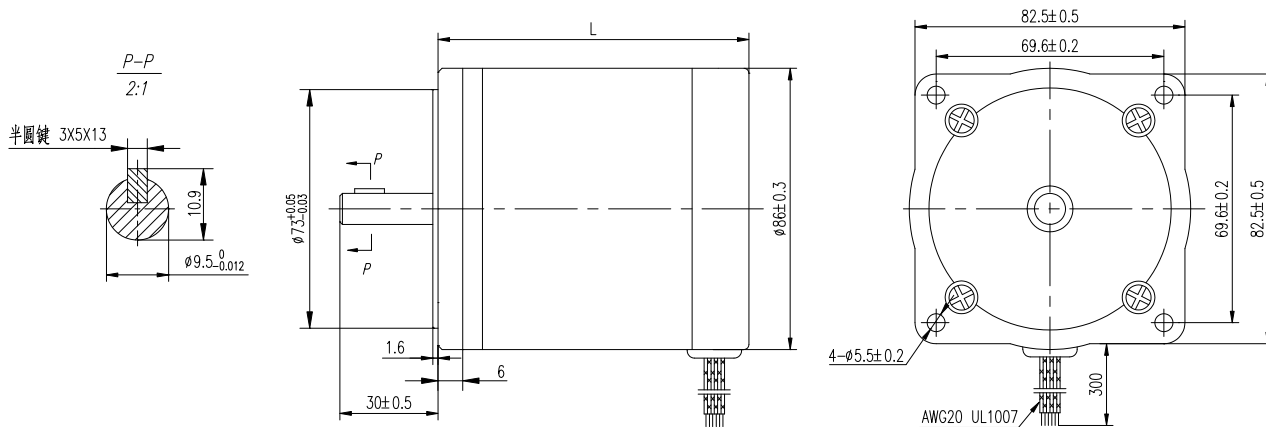
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 34HY6404 | 3.0 | 0.85 | 7.2 | 4 | 2.5 | 63 | 0.64 | 1.6 | 1.8 |
| 34HY6801 | 4.0 | 0.6 | 2 | 8 | 1.8 | | | | |
| 34HY9403 | 4.0 | 0.8 | 9 | 4 | 4.5 | 92 | 1.3 | 2.6 | |
| 34HY9801 | 4.0 | 0.89 | 3.8 | 8 | 3.2 | | | | |
| 34HY1401 | 5.6 | 0.55 | 5.6 | 4 | 6.3 | 122 | 1.9 | 3.8 | |
| 34HY1801 | 4 | 1.4 | 5.6 | 8 | 4.5 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

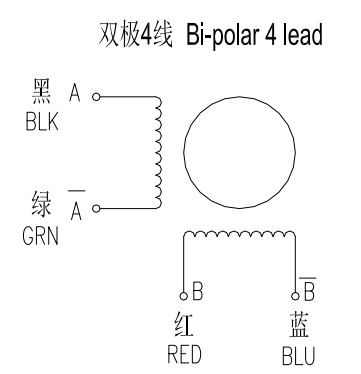
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA36 (O36mm) 2相 0.9°-36HM 2 Phase

接线图 Wiring Diagram



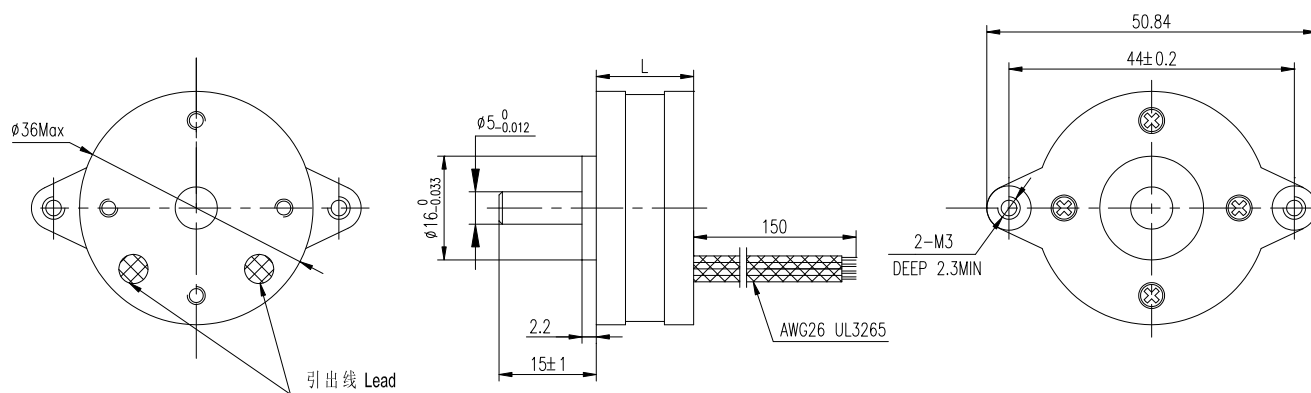
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 36HM0403 | 0.3 | 19 | 8.5 | 4 | 3.2 | 13.5 | 3 | 40 | 0.9 |
| 36HM1403 | 0.3 | 16.8 | 9 | 4 | 4.2 | 15.2 | 4 | 55 | |
| 36HM2445 | 0.45 | 14 | 12 | 4 | 9 | 20 | 6 | 95 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

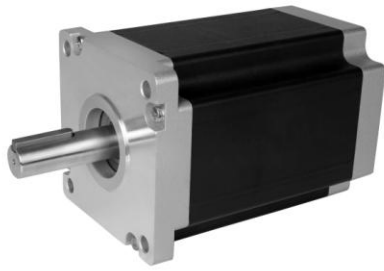
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit=mm)

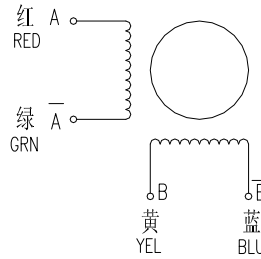


NEMA43(□110mm)2相 1.8°-43HS 2 Phase

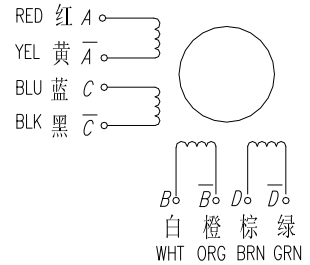
接线图 Wiring Diagram



双极4线 Bi-polar 4 lead



单极8线 Uni-polar 8 lead



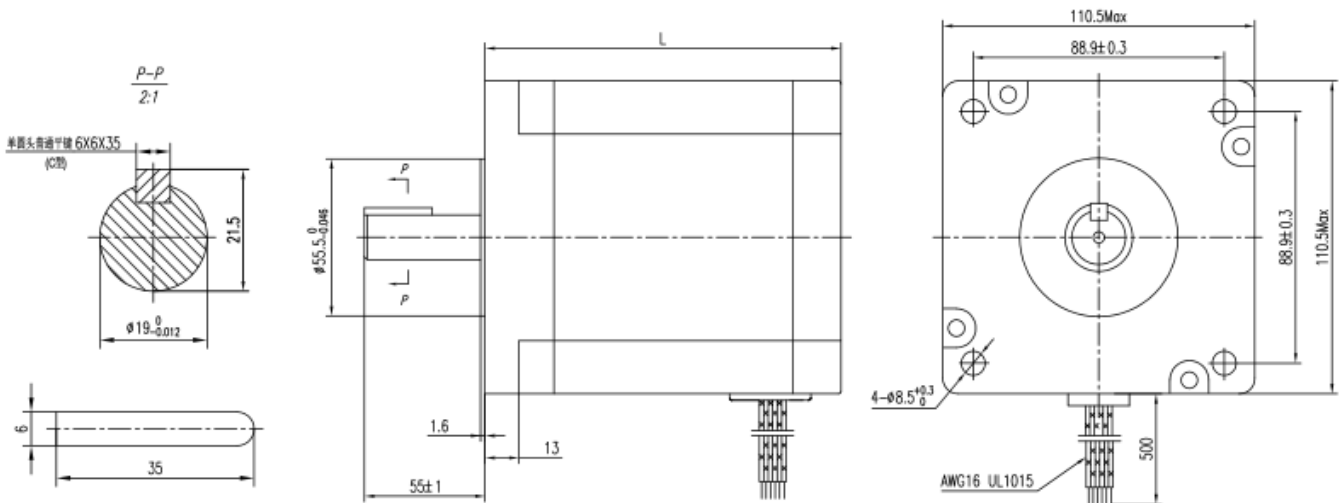
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 43HS0460 | 6.0 | 0.5 | 6 | 4 | 11 | 100 | 4.0 | 5.0 | 1.8 |
| 43HS1460 | 6.0 | 0.47 | 7.0 | 4 | 14 | 117 | 6.0 | 5.8 | |
| 43HS2460 | 6.0 | 0.66 | 10.5 | 4 | 16.5 | 126 | 9.0 | 6.8 | |
| 43HS5460 | 6.0 | 0.8 | 13.5 | 4 | 21 | 150 | 11 | 8.4 | |
| 43HS5871 | 7.1 | 0.66 | 4.5 | 8 | 15 | | | | |
| 43HS6460 | 6.0 | 0.87 | 16 | 4 | 23 | 165 | 13 | 9.3 | |
| 43HS8460 | 6.0 | 1.1 | 22 | 4 | 28 | 200 | 17 | 13 | |
| 43HS8480 | 8.0 | 0.62 | 13.5 | | | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

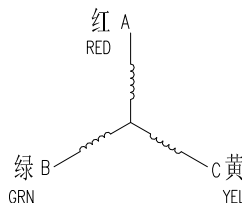


NEMA17(□42mm)3 相 3.75° -17HR 3 Phase

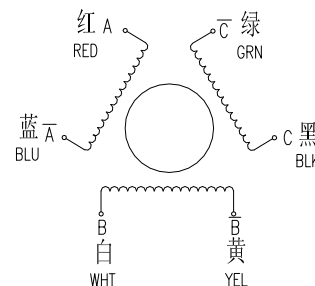
接线图 Wiring Diagram



3线 3 Lead



6线 6 Lead



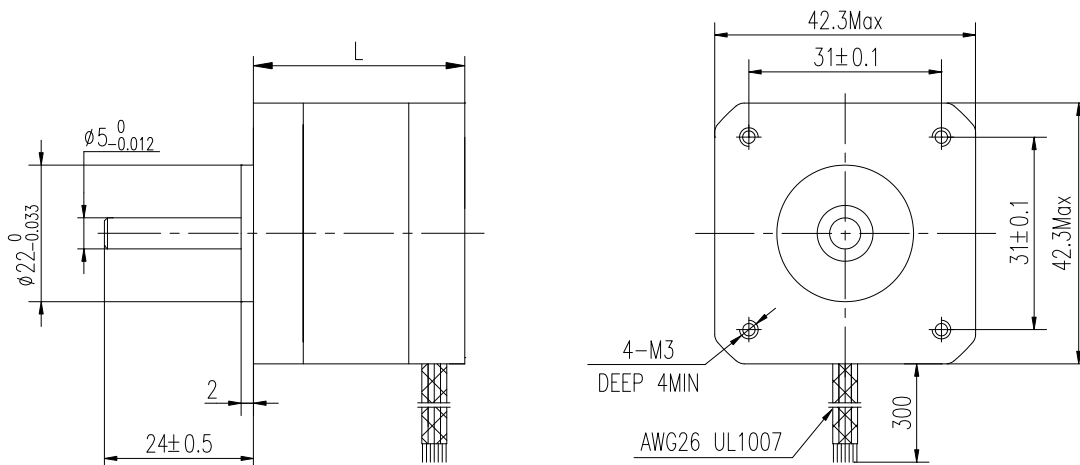
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 17HR3315Y | 1.5 | 1.8 | 4 | 3 | 15 | 34 | 34 | 220 | 3.75 |
| 17HR4315Y | 1.5 | 2.5 | 5.5 | 3 | 20 | 40 | 54 | 280 | |
| 17HR8315Y | 1.5 | 3.6 | 7 | 3 | 30 | 48 | 68 | 350 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

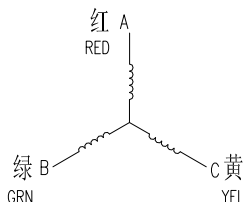


NEMA17(□42mm)3 相 1.2° -17HT 3 Phase

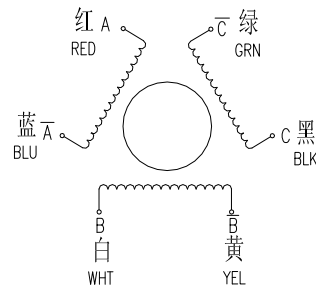
接线图 Wiring Diagram



3线 3 Lead



6线 6 Lead



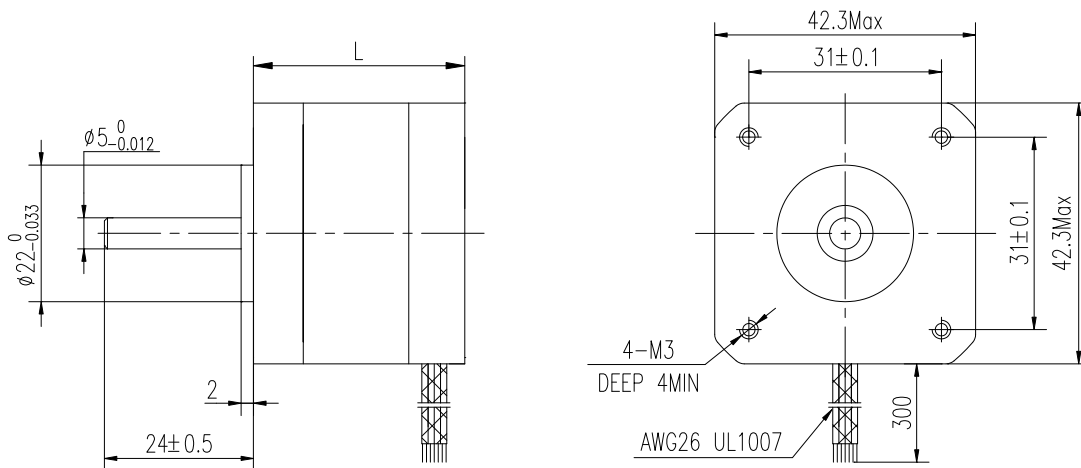
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 17HT34330Y | 3.0 | 0.65 | 0.2 | 3 | 10 | 34 | 34 | 220 | 1.2 |
| 17HT4330Y | 3.0 | 0.79 | 0.35 | 3 | 17 | 40 | 54 | 280 | |
| 17HT8330Y | 3.0 | 0.98 | 0.43 | 3 | 21 | 48 | 68 | 350 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

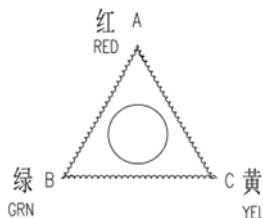


NEMA23(□57mm)3 相 1.2° -23HT 3 Phase

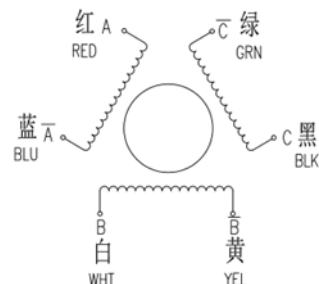
接线图 Wiring Diagram



3线 3 Lead



6线 6 Lead



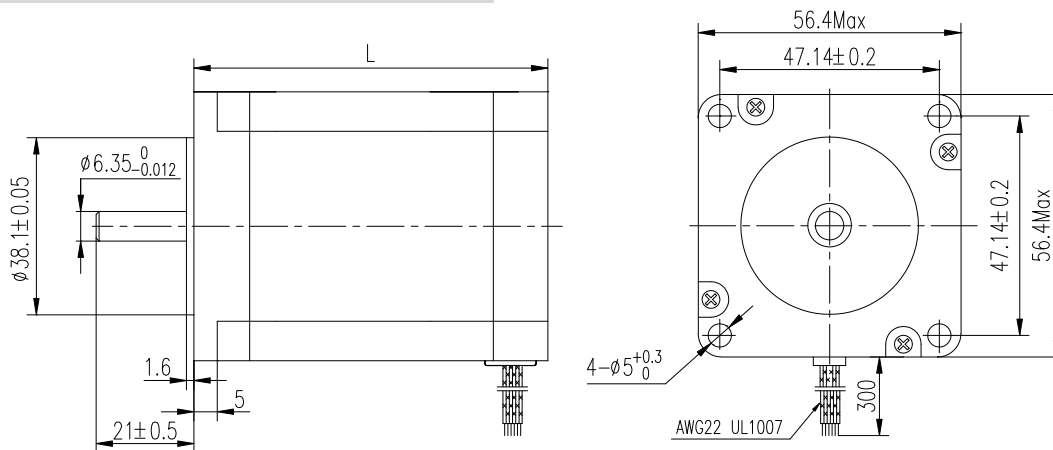
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N..m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 23HT6335 | 3.5 | 0.6 | 1.7 | 3 | 0.8 | 57 | 0.3 | 0.7 | 1.2 |
| 23HT8631 | 5.2 | 0.8 | 2 | 6 | 1.5 | 80 | 0.5 | 1.1 | |
| 23HT1365 | 6.5 | 0.45 | 1.7 | 3 | 2.0 | 105 | 0.7 | 1.3 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

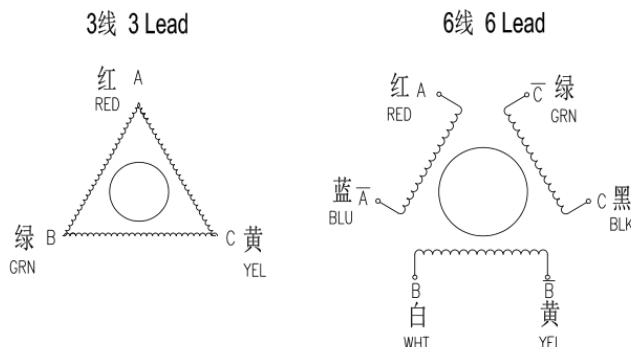
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA24(□60mm)3 相 1.2° -24HT 3 Phase

接线图 Wiring Diagram



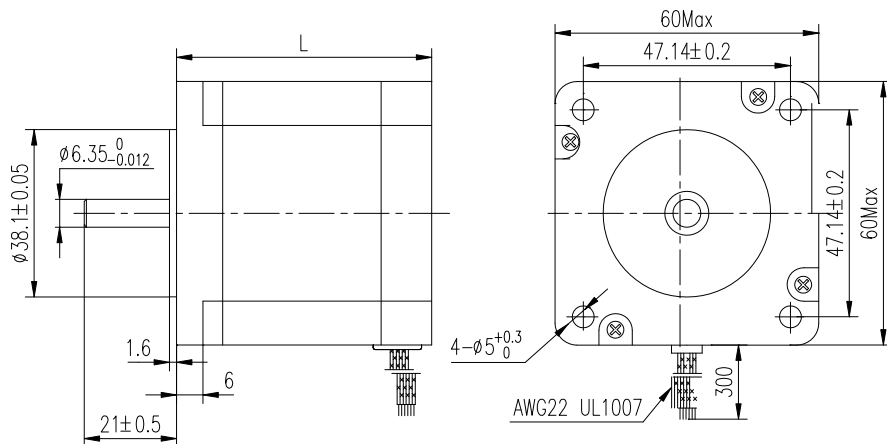
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N..m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 24HT6335 | 3.5 | 0.95 | 1.8 | 3 | 0.8 | 56 | 0.28 | 0.58 | 1.2 |
| 24HT7346 | 4.6 | 0.7 | 1.2 | 3 | 1.1 | 64 | 0.38 | 0.85 | |
| 24HT7627 | 4.6 | 1.0 | 1.2 | 6 | 1.1 | | | | |
| 24HT8346 | 4.6 | 0.8 | 1.5 | 3 | 1.3 | 76 | 0.44 | 1.15 | |
| 24HT1365 | 6.5 | 0.45 | 1 | 3 | 1.6 | 90 | 0.58 | 1.4 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

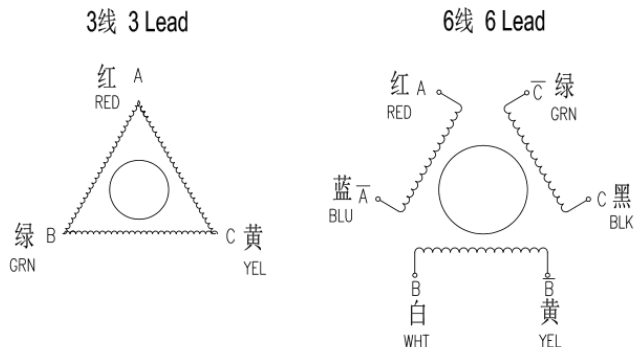
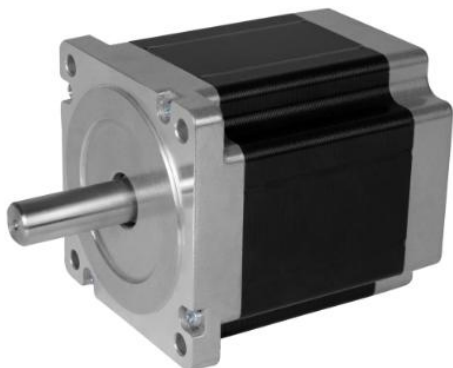
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA34(□86mm)3 相 1.2° -34HT 3 Phase

接线图 Wiring Diagram



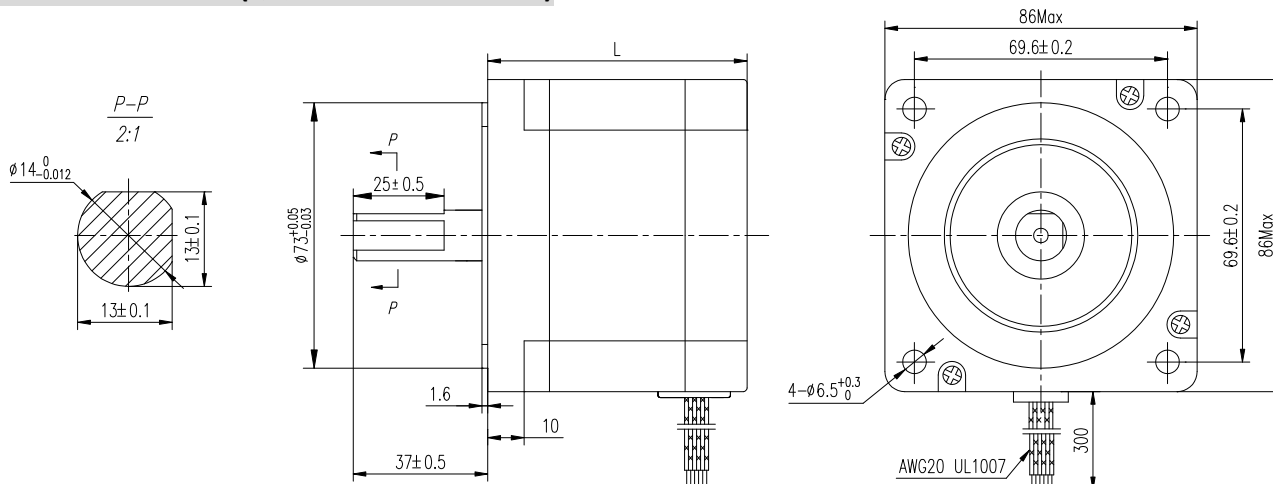
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 34HT6368 | 6.8 | 0.3 | 0.65 | 3 | 1.5 | 66 | 0.85 | 2.0 | 1.2 |
| 34HT8345 | 4.5 | 0.75 | 3.0 | 3 | 2.5 | 78 | 1.05 | 2.5 | |
| 34HT9627 | 4.6 | 2.1 | 3.9 | 6 | 3.6 | 98 | 1.55 | 3.0 | |
| 34HT4368 | 6.8 | 0.55 | 2.1 | 3 | 4.5 | 114 | 1.8 | 3.5 | |
| 34HT2368 | 6.8 | 0.65 | 2.6 | 3 | 5.5 | 126 | 2.2 | 3.9 | |
| 34HT5368 | 6.8 | 0.7 | 3.5 | 3 | 6.5 | 150 | 2.5 | 4.2 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

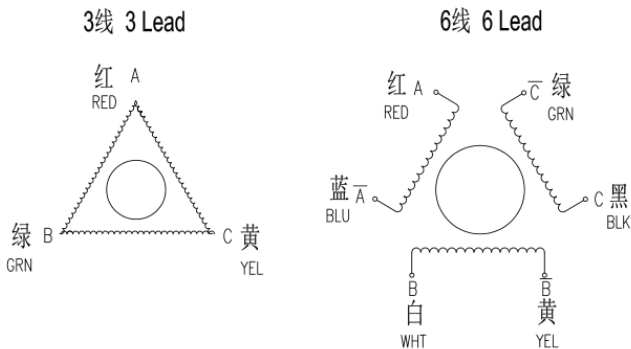
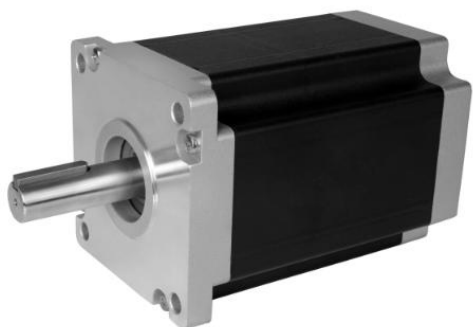
*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA43(□110mm)3 相 1.2° -43HT 3 Phase

接线图 Wiring Diagram



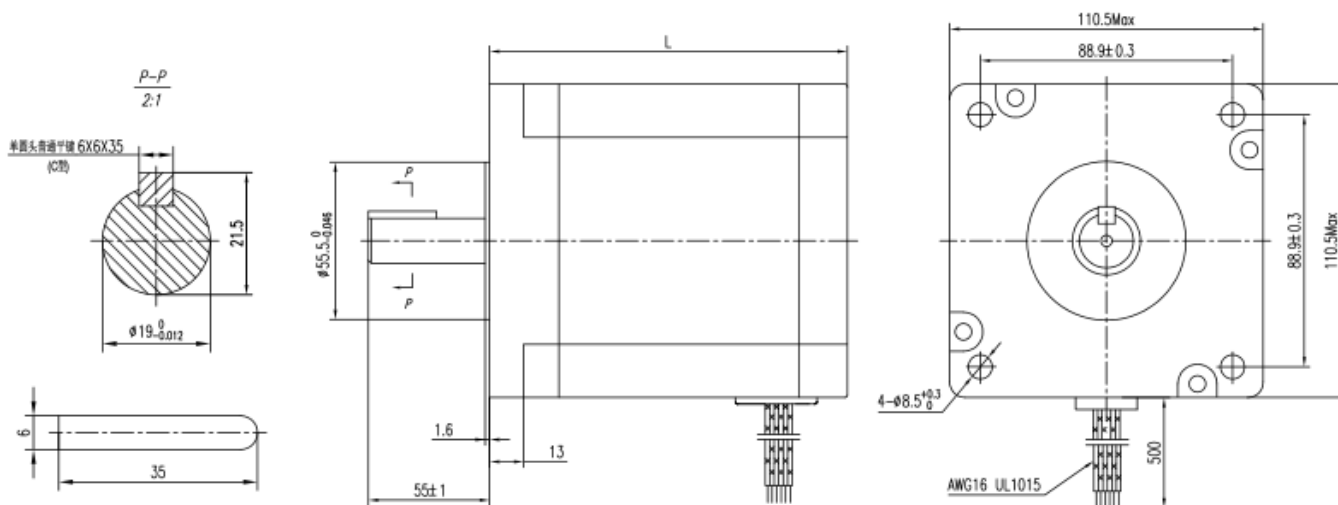
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 43HT0360 | 6.0 | 0.65 | 3.7 | 3 | 7 | 100 | 4 | 5.0 | 1.2 |
| 34HT1360 | 6.0 | 0.75 | 5.2 | 3 | 8.5 | 117 | 6 | 5.8 | |
| 43HT2360 | 6.0 | 0.85 | 5.5 | 3 | 9 | 126 | 9 | 6.8 | |
| 43HT5360 | 6.0 | 0.95 | 7.5 | 3 | 12 | 150 | 11 | 8.4 | |
| 43HT6360 | 6.0 | 1.1 | 9 | 3 | 13 | 165 | 13 | 9.3 | |
| 43HT8360 | 6.0 | 1.45 | 12.5 | 3 | 18 | 200 | 17 | 13 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

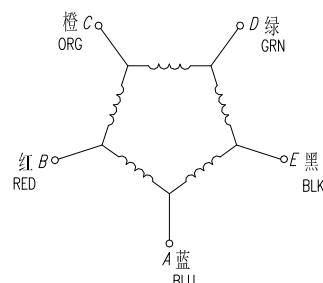


NEMA16(□39mm)5 相 0.36° -16HI 5 Phase

接线图 Wiring Diagram



5线 5 Lead



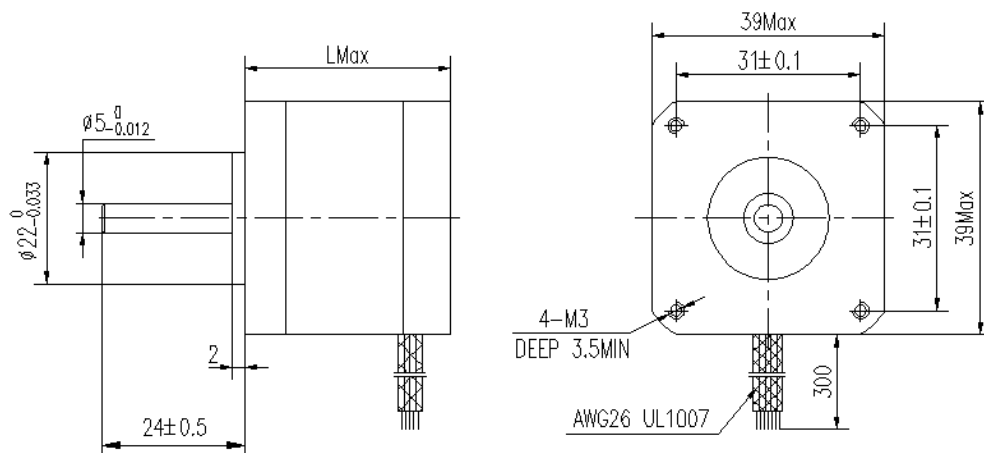
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (g.cm ²) | 重量 Motor Weight (g) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|--|------------------------------|-----------------------------|
| 16HI3508 | 0.75 | 18 | 1.8 | 5 | 7.5 | 31 | 14 | 140 | 0.36 |
| 16HI4508 | 0.75 | 2.5 | 2.5 | 5 | 13.5 | 40 | 25 | 200 | |
| 16HI51010 | 1.0 | 2.0 | 1.6 | 10 | 22 | 44 | 28 | 220 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

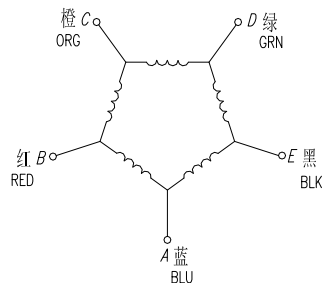


NEMA24(□60mm)5相 0.72°-24HF 5 Phase

接线图 Wiring Diagram



5线 5 Lead



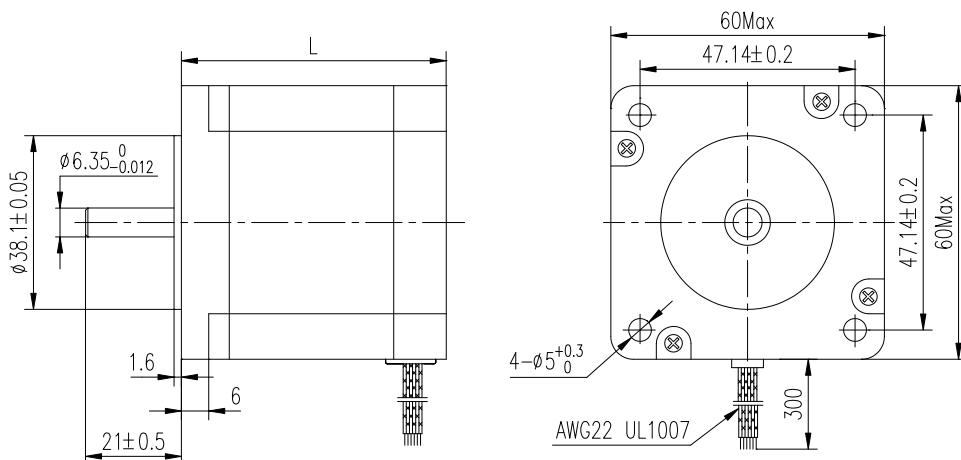
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 24HF6515 | 1.5 | 1.3 | 3 | 5 | 0.8 | 56 | 0.28 | 0.58 | 0.72 |
| 24HF7508 | 0.75 | 3.6 | 9.2 | 5 | 1.0 | 64 | 0.38 | 0.45 | |
| 24HF8505 | 0.75 | 5.0 | 13.5 | 5 | 1.3 | 76 | 0.44 | 1.15 | |
| 24HF1515 | 1.5 | 1.2 | 3.8 | 5 | 1.6 | 90 | 0.58 | 1.4 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)

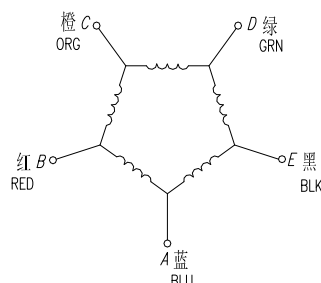


NEMA34(□86mm)5 相 0.72° -34HF 5 Phase

接线图 Wiring Diagram



5线 5 Lead



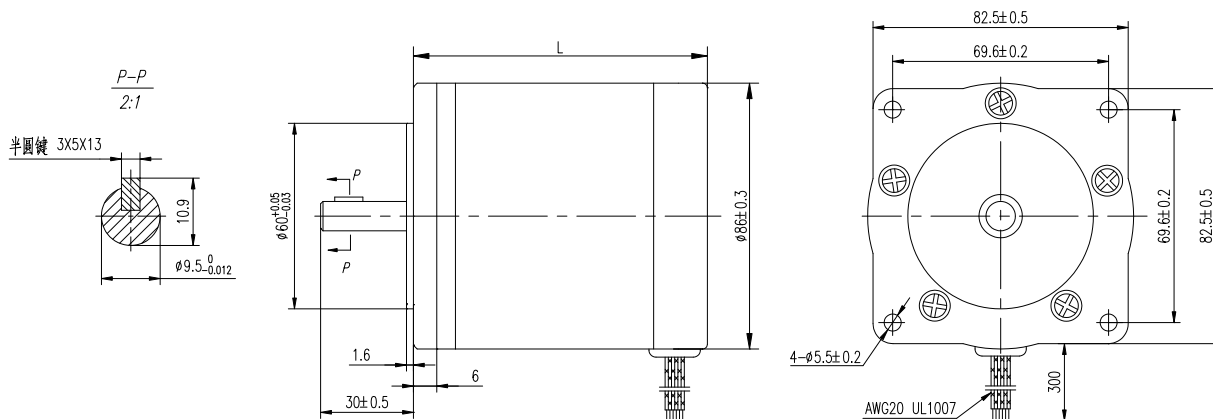
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 转动惯量 Rotor Inertia (Kg.cm ²) | 重量 Motor Weight (Kg) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|---|-------------------------------|-----------------------------|
| 34HF6508 | 0.75 | 5.5 | 24 | 5 | 1.8 | 63 | 0.64 | 1.6 | 0.72 |
| 34HF9515 | 1.5 | 1.9 | 11 | 5 | 3.2 | 92 | 1.3 | 2.6 | |
| 34HF1515 | 1.5 | 2.2 | 12 | 5 | 4.5 | 122 | 1.9 | 3.8 | |

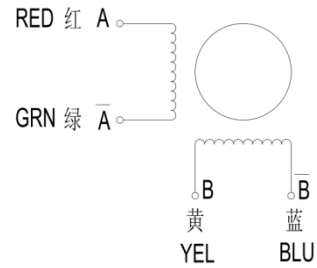
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



NEMA11 (□28mm) 2相 1.8° -2Phase1.8°



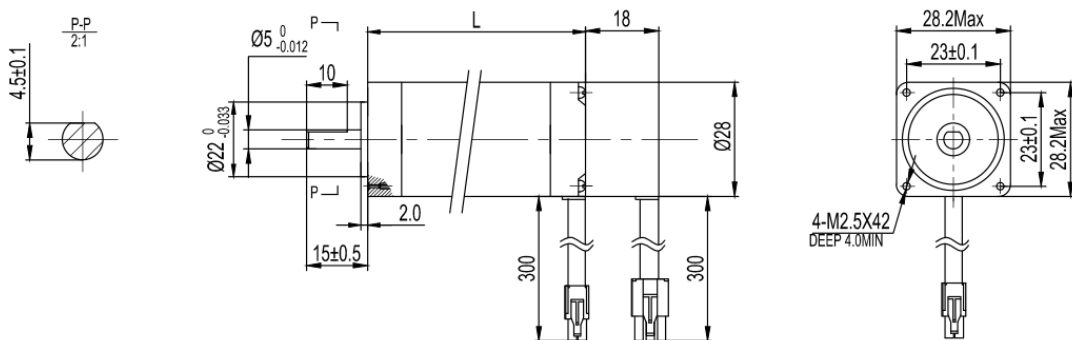
● **技术数据 (Electrical Specifications) :**

| 电机型号 | MODEL | 11SSM3410EC | 11SSM8410EC |
|--------|-------------------|-------------|-------------|
| 相数 | | 2 | 2 |
| 额定电压 | VDC | 2.5 | 3.3 |
| 相电流 | A | 1.0 | 1.0 |
| 相电阻 | Ω | 2.5 | 3.3 |
| 相电感 | mH | 1.8 | 4.0 |
| 保持转矩 | N.cm | 7 | 14 |
| 转动惯量 | g.cm ² | 8.5 | 18.5 |
| 电机重量 | g | 120 | 198 |
| 机身长度 | L(mm) | 33 | 51 |
| 编码器线数 | CPR | 2500/1000 | |
| 配驱动器型号 | | CSM11310 | CSM11810 |

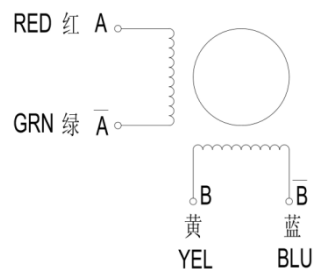
*以上仅为代表性产品，派生产产品可根据客户要求制作。

*Note: We can manufacture products according to customer's requirements.

● **电机外形尺寸 Motor Dimension(mm)**



NEMA16 (□40mm) 2相 1.8° -2Phase1.8°



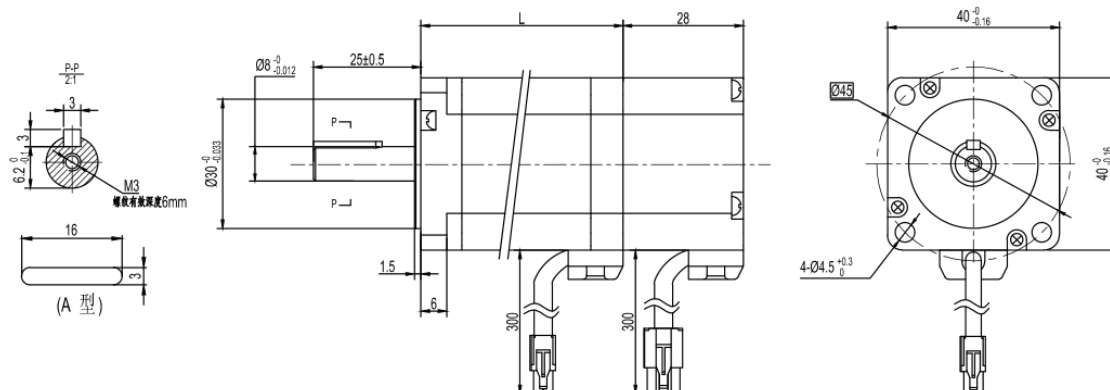
● 技术数据 (Electrical Specifications) :

| 电机型号 | MODEL | 16SSM3402EC | 16SSM8402EC | 16SSM6402EC |
|--------|-------------------|-------------|-------------|-------------|
| 相数 | | 2 | 2 | 2 |
| 额定电压 | VDC | 2.6 | 4.16 | 4.94 |
| 相电流 | A | 1.3 | 1.3 | 1.3 |
| 相电阻 | Ω | 2.0 | 3.2 | 3.8 |
| 相电感 | mH | 3.0 | 5.5 | 7.0 |
| 保持转矩 | N.m | 0.25 | 0.4 | 0.65 |
| 转动惯量 | g.cm ² | 35 | 77 | 115 |
| 电机重量 | g | 170 | 420 | 530 |
| 机身长度 | L(mm) | 34 | 48 | 63 |
| 编码器线数 | CPR | 2500/1000 | | |
| 配驱动器型号 | | CSM16313 | CSM16813 | CSM16613 |

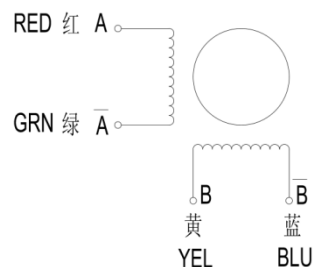
*以上仅为代表性产品，派生产产品可根据客户要求制作。

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



NEMA17 (□42mm) 2相 1.8° -2Phase1.8°



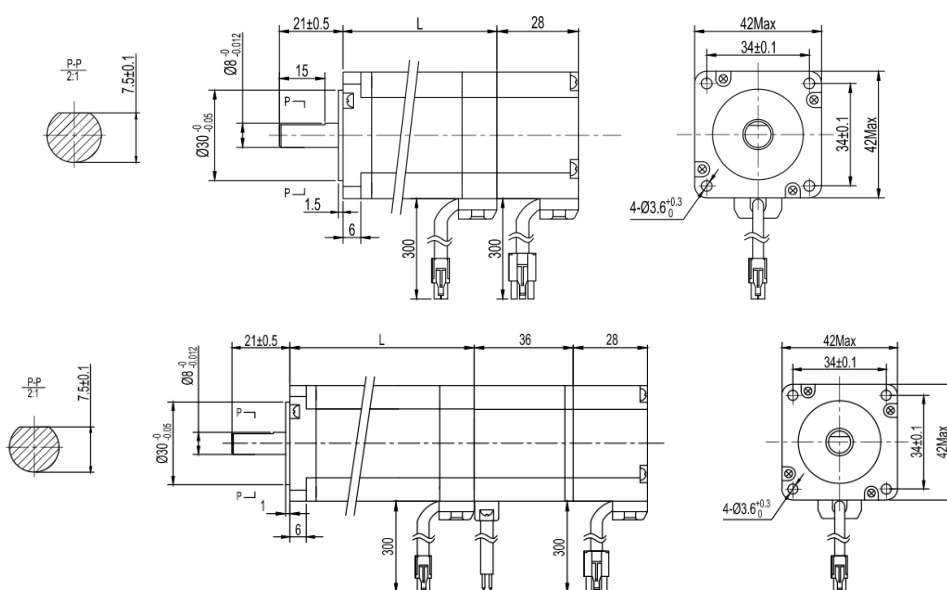
● **技术数据 (Electrical Specifications) :**

| 电机型号 | MODEL | 17SSM3402EC | 17SSM3403EC | 17SSM8402EC | 17SSM8403EC | 17SSM6402EC | 17SSM6403EC |
|--------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 相数 | | 2 | 2 | 2 | 2 | 2 | 2 |
| 额定电压 | VDC | 2.6 | 1.61 | 4.16 | 2.3 | 4.94 | 3.22 |
| 相电流 | A | 1.3 | 2.3 | 1.3 | 2.3 | 1.3 | 2.3 |
| 相电阻 | Ω | 2.0 | 0.7 | 3.2 | 1.0 | 3.8 | 1.4 |
| 相电感 | mH | 3.5 | 2.3 | 6.6 | 1.9 | 12.6 | 3.1 |
| 保持转矩 | N.m | 0.3 | 0.3 | 0.5 | 0.5 | 0.8 | 0.8 |
| 转动惯量 | g.cm ² | 35 | 35 | 77 | 77 | 115 | 115 |
| 电机重量 | g | 220 | 220 | 530 | 530 | 670 | 670 |
| 机身长度 | L(mm) | 37 | 37 | 51 | 51 | 67 | 67 |
| 编码器线数 | CPR | 2500/1000 | | | | | |
| 配驱动器型号 | | CSM17313 | | CSM17813 | | CSM17613 | |

*以上仅为代表性产品，派生产产品可根据客户要求制作。

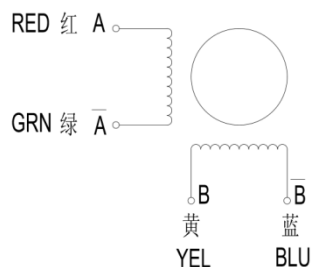
*Note: We can manufacture products according to customer's requirements.

● **电机外形尺寸 Motor Dimension(mm)**



*此为断电制动器长度

NEMA23 (□57mm) 2相 1.8° -2Phase1.8°



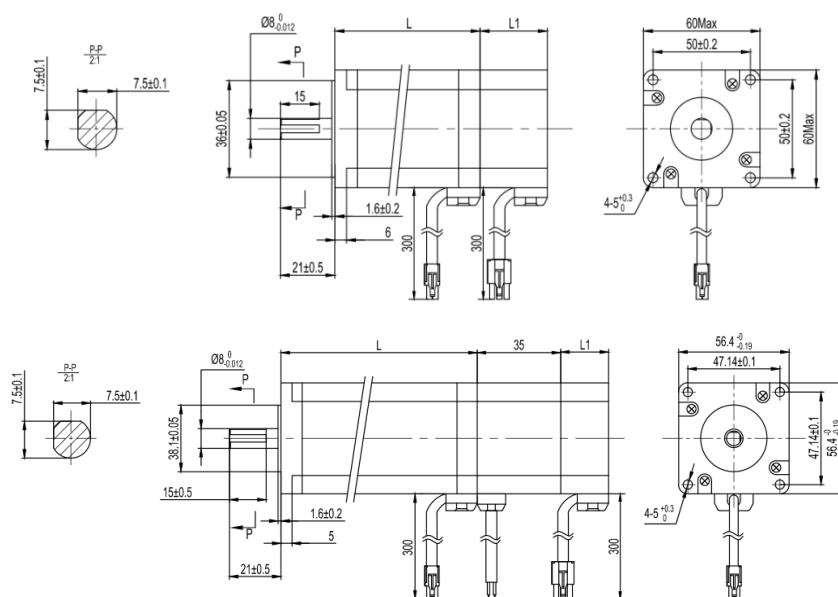
● 技术数据 (Electrical Specifications)

| 电机型号 | MODEL | 23SSM4430EC | 23SSM4404EC | 23SSM6430EC | 23SSM6404EC | 23SSM80430EC | 23SSM80404EC |
|--------|-------------------|-------------|-------------|-------------|-------------|--------------|--------------|
| 相数 | | 2 | 2 | 2 | 2 | 2 | 2 |
| 额定电压 | VDC | 1.5 | 1.68 | 2.4 | 1.68 | 3.6 | 2.94 |
| 相电流 | A | 3.0 | 4.2 | 3.0 | 4.2 | 3.0 | 4.2 |
| 相电阻 | Ω | 0.5 | 0.3 | 0.8 | 0.4 | 1.2 | 0.7 |
| 相电感 | mH | 1.2 | 0.6 | 2.4 | 1.2 | 4.0 | 2.0 |
| 保持转矩 | N.m | 0.7 | 0.7 | 1.1 | 1.1 | 2.2 | 2.2 |
| 转动惯量 | g.cm ² | 120 | 120 | 200 | 200 | 480 | 480 |
| 电机重量 | Kg | 0.5 | 0.5 | 0.98 | 0.98 | 1.4 | 1.4 |
| 机身长度 | L (mm) | 44 | 44 | 54 | 54 | 80 | 80 |
| 编码器 | 2500 CPR | L1=26mm | | | | | |
| 编码器 | 1000 CPR | L1=18mm | | | | | |
| 配驱动器型号 | | CSM23430 | | CSM23630 | | CSM238030 | |

*以上仅为代表性产品，派生产产品可根据客户要求制作。

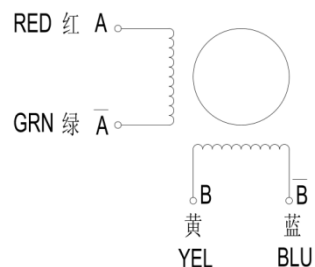
*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



*此为断电制动器长度

NEMA24 (□60mm) 2相 1.8° -2Phase1.8°



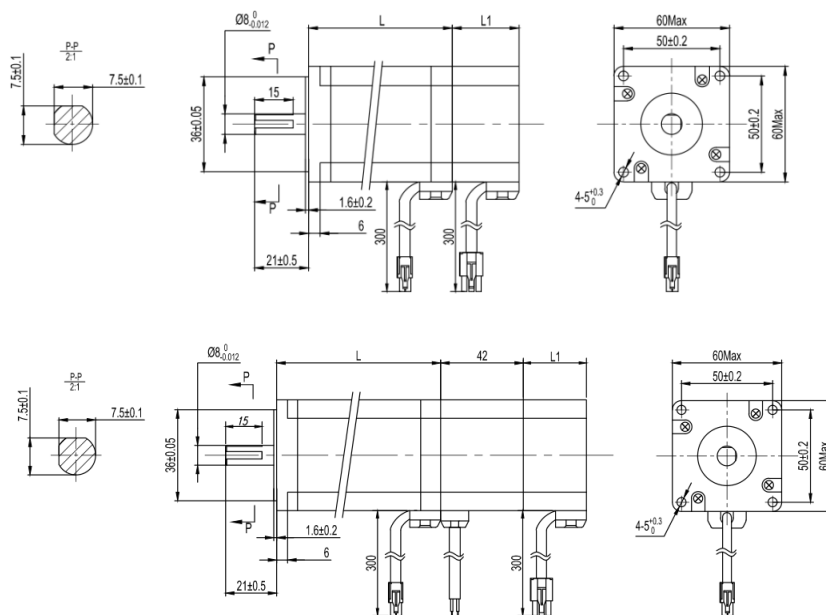
● **技术数据 (Electrical Specifications) :**

| 电机型号 | MODEL | 24SSM4430EC | 24SM4442EC | 24SSM6430EC | 24SSM6442EC | 24SSM1430EC | 24SSM1404EC |
|--------|-------------------|-------------|------------|-------------|-------------|-------------|-------------|
| 相数 | | 2 | 2 | 2 | 2 | 2 | 2 |
| 额定电压 | VDC | 1.8 | 1.68 | 2.4 | 2.1 | 3.0 | 3.15 |
| 相电流 | A | 3.0 | 4.2 | 3.0 | 4.2 | 3.0 | 4.2 |
| 相电阻 | Ω | 0.6 | 0.4 | 0.8 | 0.5 | 1.0 | 0.75 |
| 相电感 | mH | 1.3 | 0.7 | 2.0 | 1.4 | 4.2 | 2.8 |
| 保持转矩 | N.m | 0.9 | 0.9 | 1.6 | 1.6 | 3.0 | 3.0 |
| 转动惯量 | g.cm ² | 140 | 140 | 320 | 320 | 800 | 800 |
| 电机重量 | Kg | 0.85 | 0.85 | 0.93 | 0.93 | 1.5 | 1.5 |
| 机身长度 | L(mm) | 44 | 44 | 54 | 54 | 90 | 90 |
| 编码器 | 2500 CPR | L1=26mm | | | | | |
| 编码器 | 1000 CPR | L1=18mm | | | | | |
| 配驱动器型号 | | CSM24442 | | CSM24642 | | CSM24142 | |

*以上仅为代表性，派生产产品可根据客户要求制作。

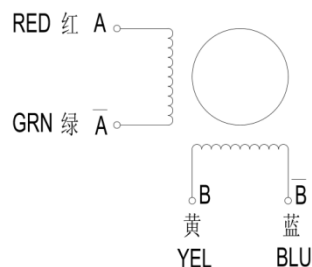
*Note: We can manufacture products according to customer's requirements.

● **电机外形尺寸 Motor Dimension(mm)**



*此为断电制动器长度

NEMA34 (□86mm) 2相 1.8° -2Phase1.8°



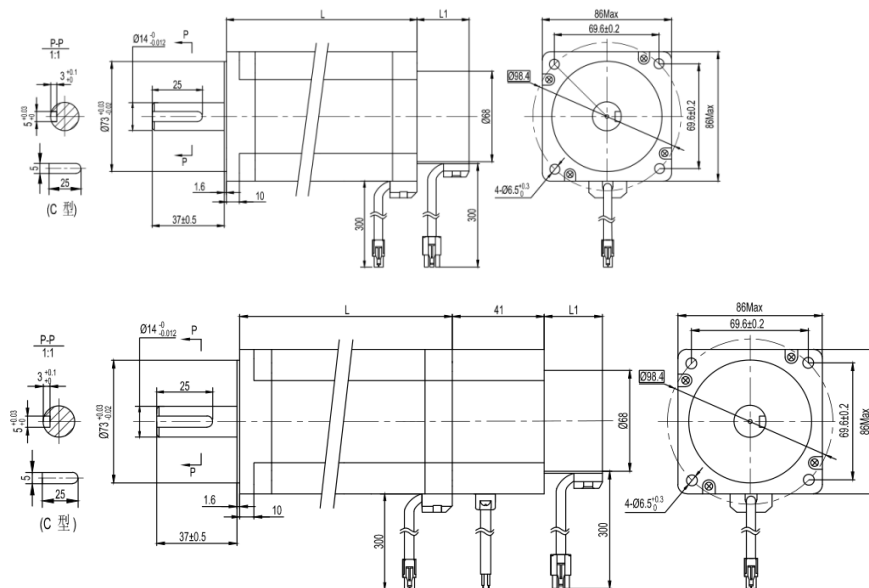
● 技术数据 (Electrical Specifications) :

| 电机型号 | MODEL | 34SSM8401EC | 34SSM8402EC | 34SSM4401EC | 34SSM4402EC | 34SSM5401EC | 34SSM5402EC |
|--------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 相数 | | 2 | 2 | 2 | 2 | 2 | 2 |
| 额定电压 | VDC | 1.68 | 1.96 | 2.52 | 2.66 | 3.64 | 3.15 |
| 相电流 | A | 5.6 | 7.0 | 5.6 | 7.0 | 5.6 | 7.0 |
| 相电阻 | Ω | 0.3 | 0.28 | 0.45 | 0.38 | 0.65 | 0.45 |
| 相电感 | mH | 3.0 | 1.8 | 5.5 | 3.2 | 8.4 | 5.2 |
| 保持转矩 | N.m | 4.2 | 4.2 | 8 | 8 | 12 | 12 |
| 转动惯量 | g.cm ² | 1400 | 1400 | 2700 | 2700 | 4000 | 4000 |
| 电机重量 | Kg | 2.4 | 2.4 | 3.72 | 3.72 | 4.5 | 4.5 |
| 机身长度 | L(mm) | 78 | 78 | 114 | 114 | 150 | 150 |
| 编码器 2500 CPR | | L1=26mm | | | | | |
| 编码器 1000 CPR | | L1=18mm | | | | | |
| 配驱动器型号 | | CSM34856 | | CSM34456 | | CSM34556 | |

*以上仅为代表性产品，派生产产品可根据客户要求制作。

*Note: We can manufacture products according to customer's requirements.

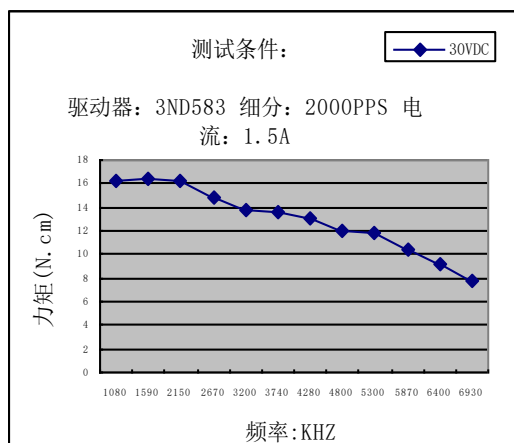
● 电机外形尺寸 Motor Dimension(mm)



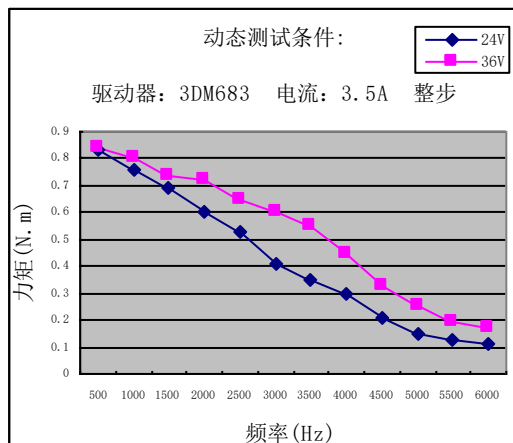
*此为断电制动器长度

动态图

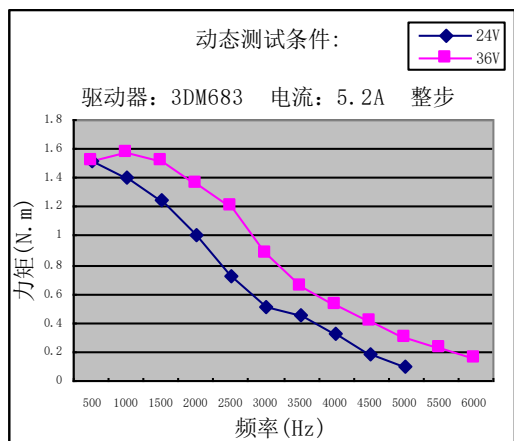
17HR8315



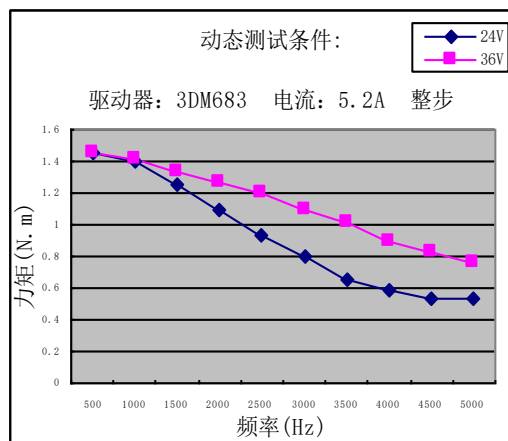
23HT6335



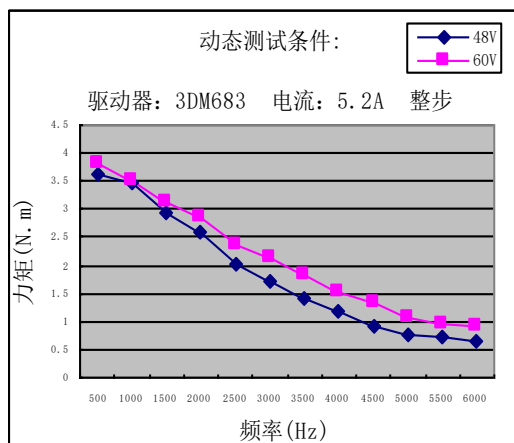
23HT8352



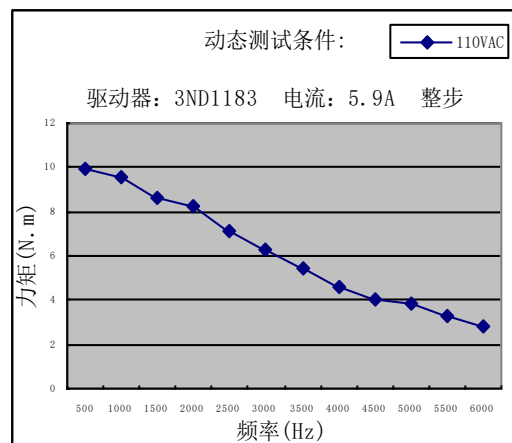
24HT8346



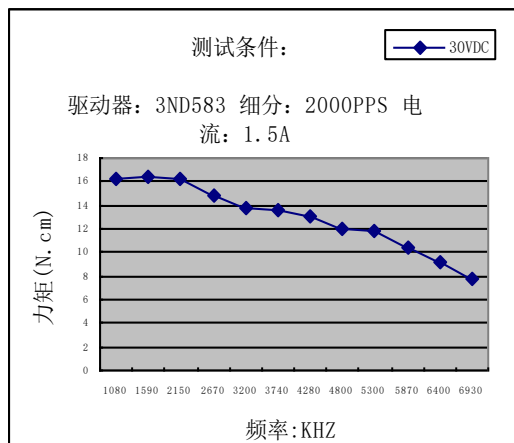
34HT9345



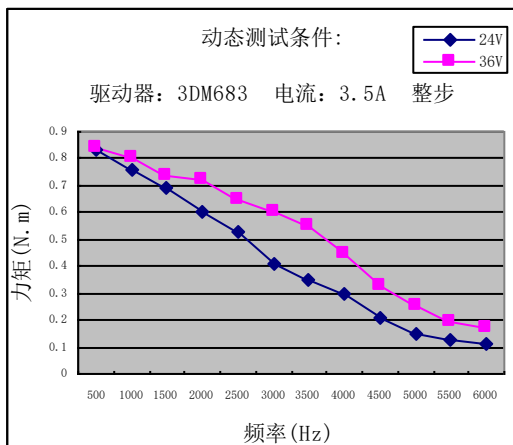
43HT5360



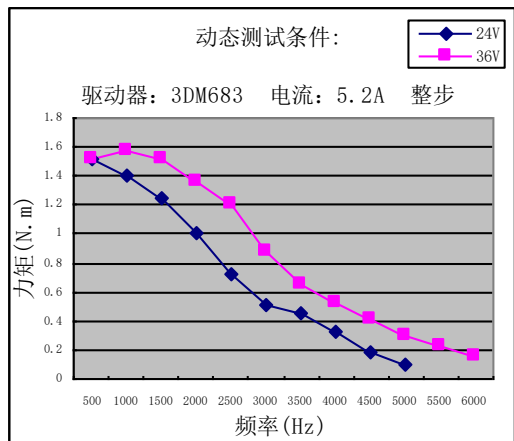
17HR8315



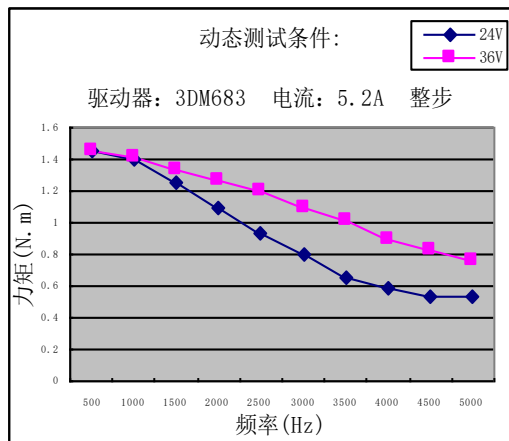
23HT6335



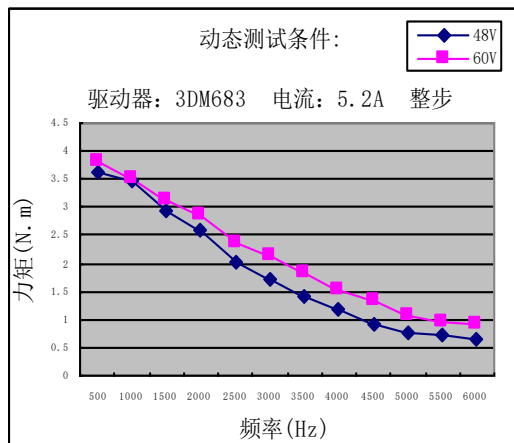
23HT8352



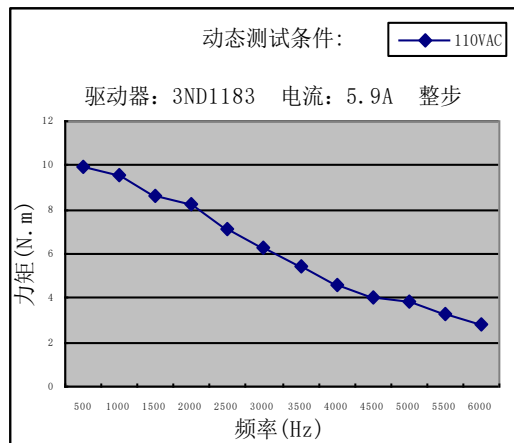
24HT8346



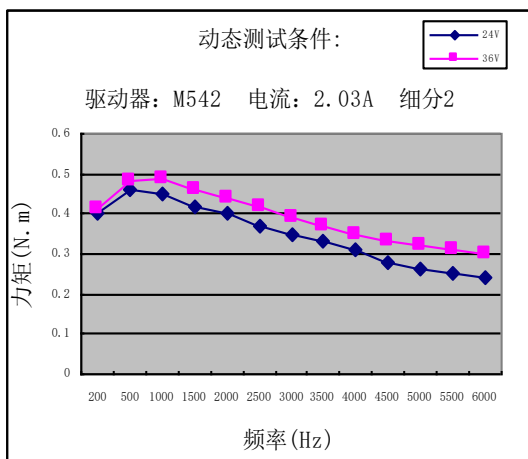
34HT9345



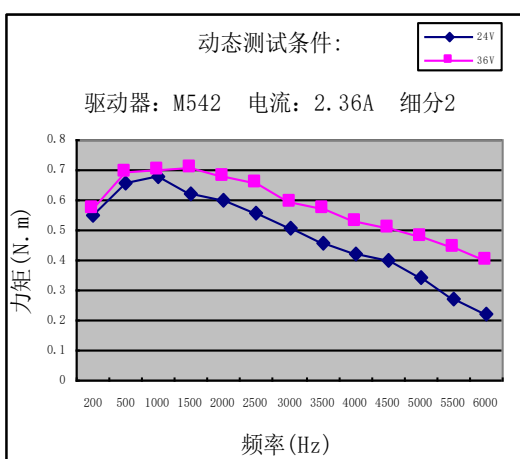
43HT5360



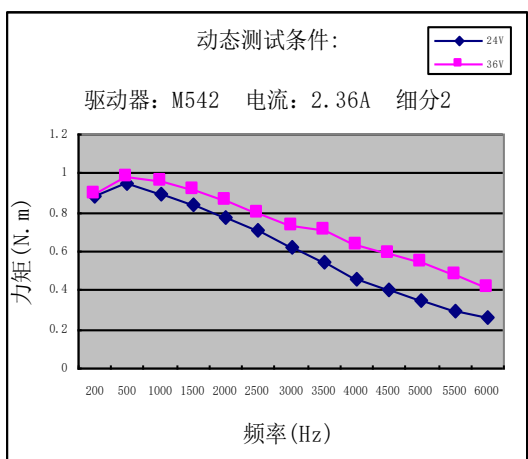
24HS0408



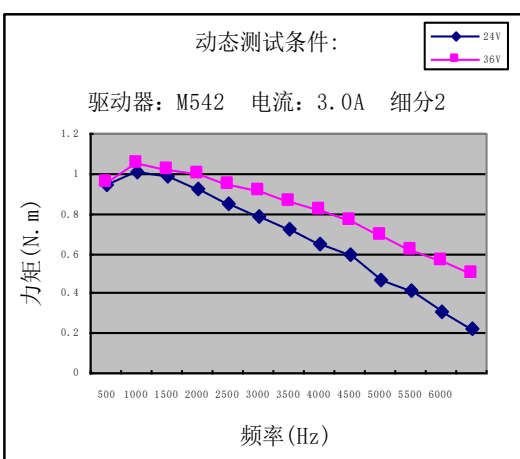
24HS4425



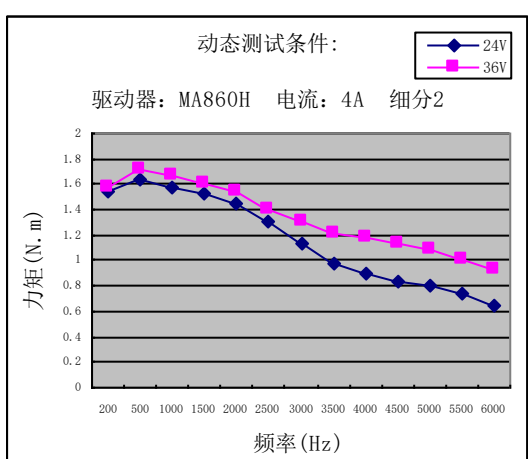
24HS5425



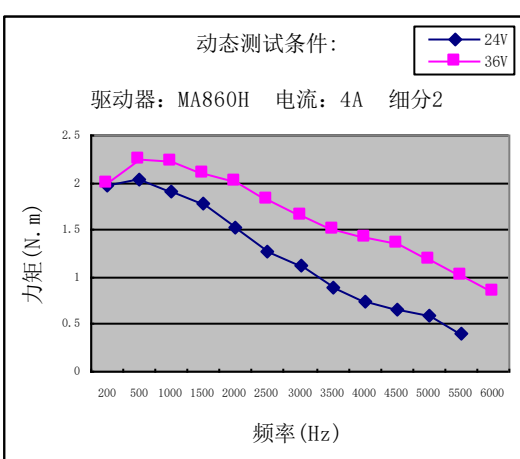
24HS6430



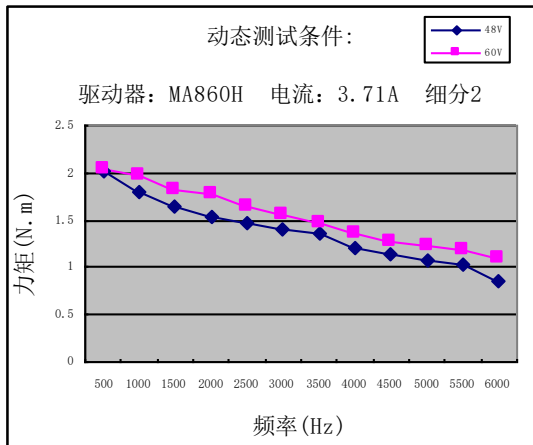
24HS8404



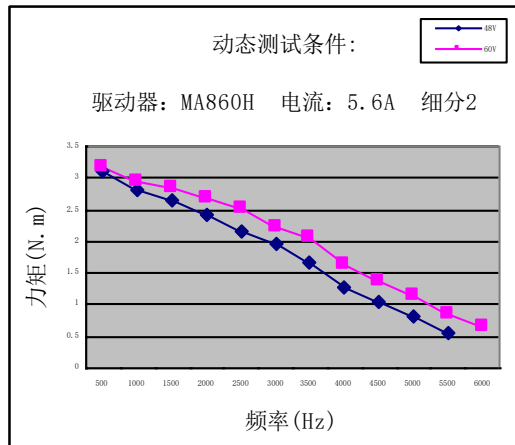
24HS1404



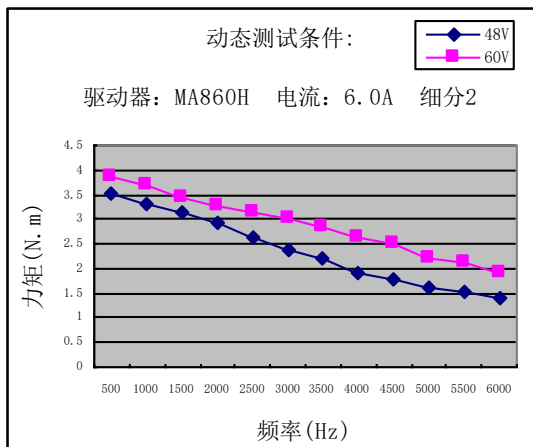
34HS6403



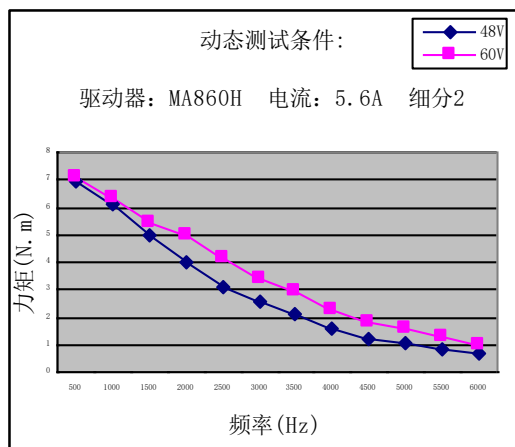
34HS8401



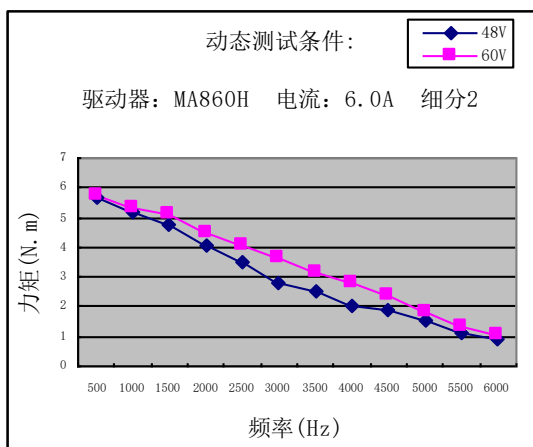
34HS9402



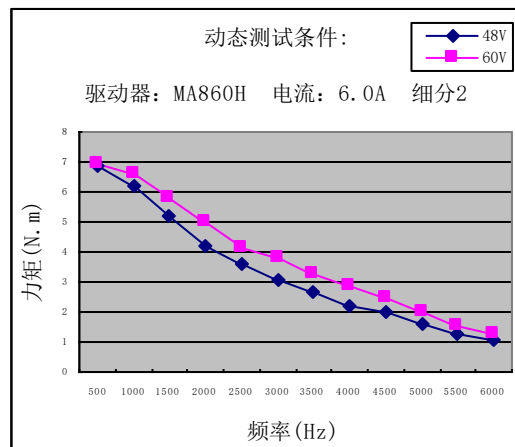
34HS2401



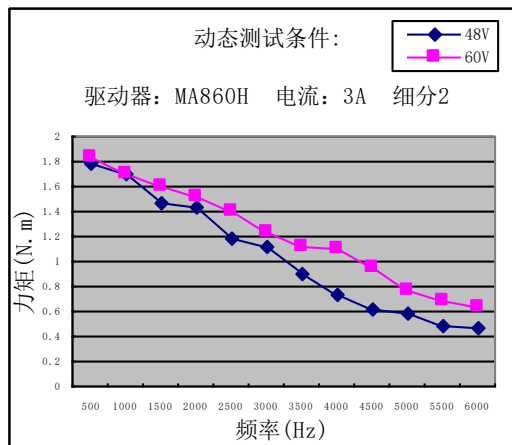
34HS2402



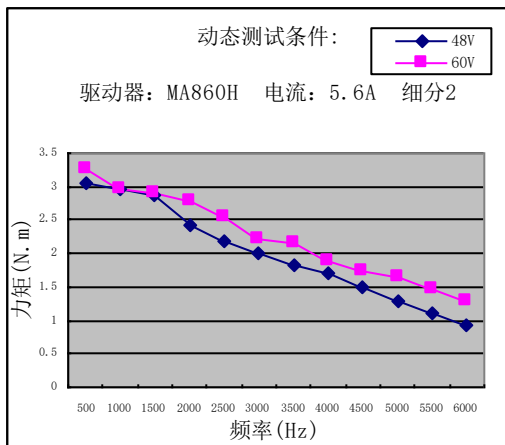
34HS5402



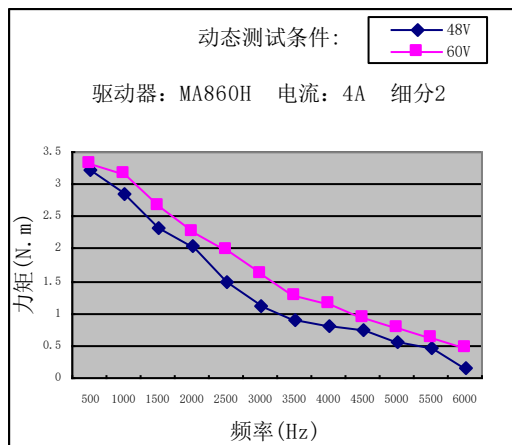
34HY6404



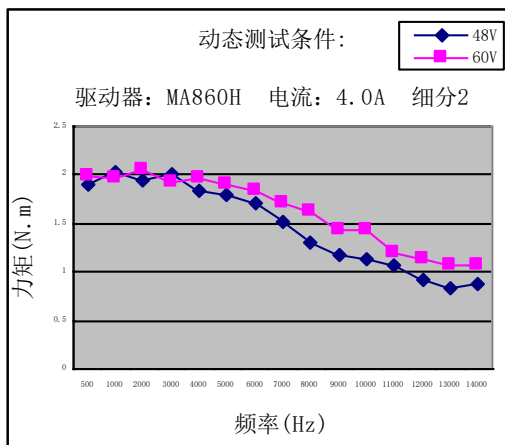
34HY8401



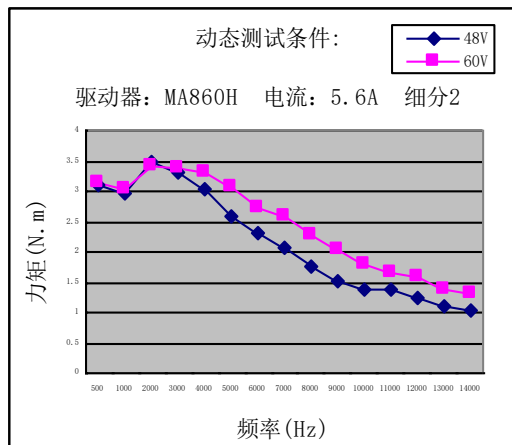
34HY9403



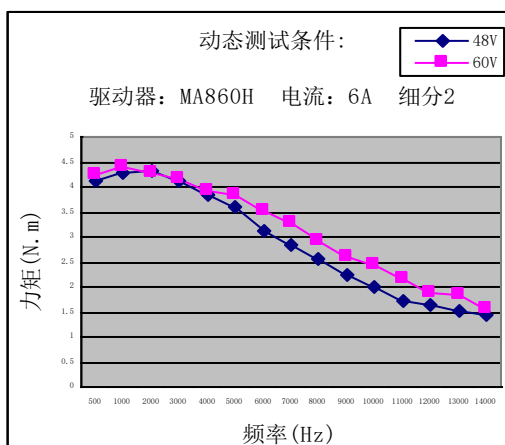
34HM6403



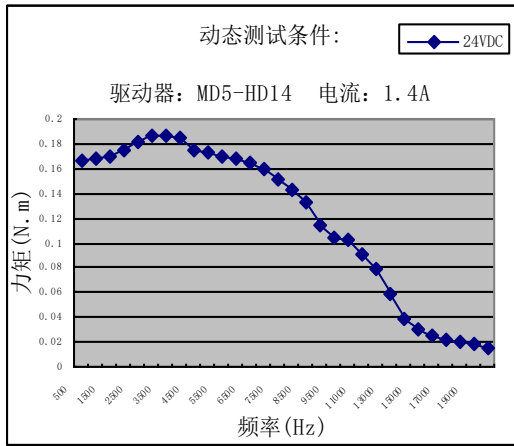
34HM8401



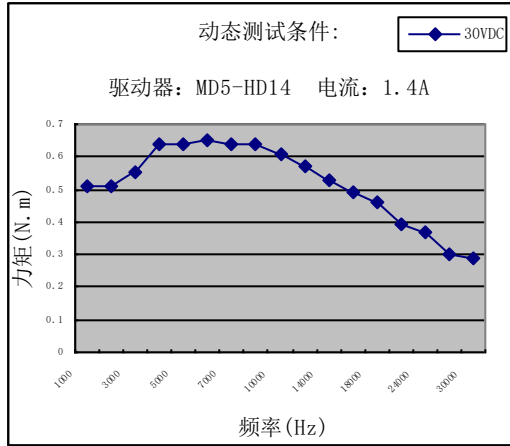
34HM9402



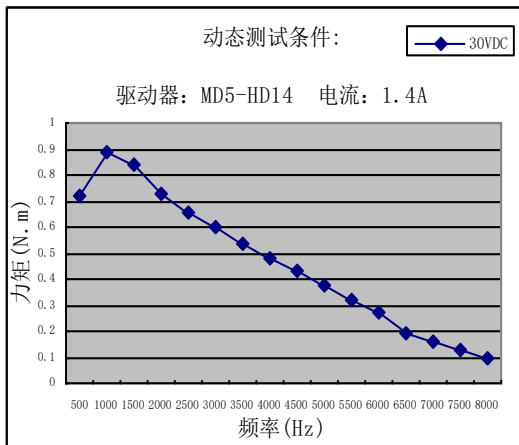
16HI51010



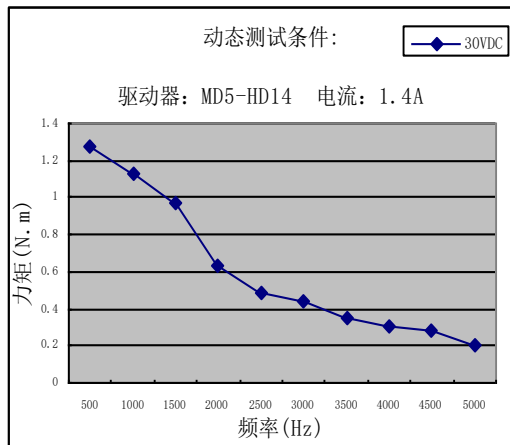
24HF6515



24HF1515



34HF6515



方型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA17(□42mm)2 相 1.8° -17HS 2 Phase

型号说明 Type Instruction

17HS4402N- BG 10



↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:BG-方型齿轮箱
 Gear box: **BG**-Square Gear Box

电机型号: 性能参考标准 17HS4402N 系列混合式步进电机
 Type:Performance plase refer to 17HS4402N

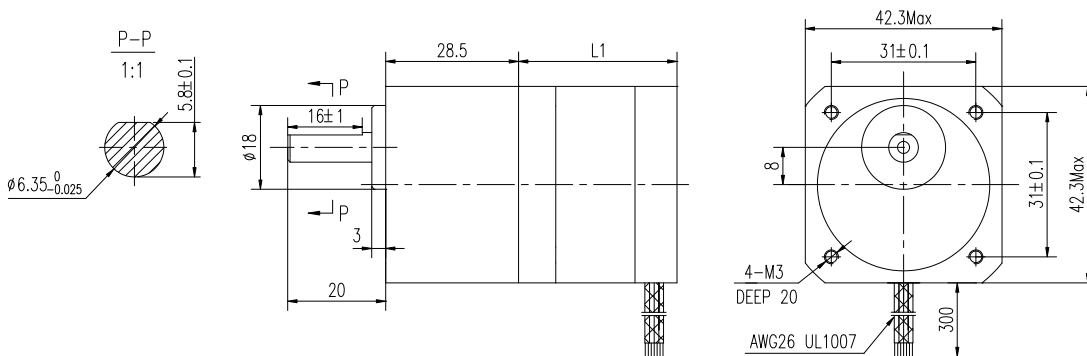
齿轮箱技术数据 Gearbox Electrical Specifications

| 减速级数 Reducer Series | 1 级 | | 2 级 |
|---------------------|-----|----|-----|
| 减速比 Reduction Ratio | 5 | 10 | 18 |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



方型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA23(□57mm)2 相 1.8° -23HS 2 Phase



型号说明 Type Instruction

23HS8430- BG 10

减速比: 10-1:10 20:1:20
Reduction Ratio:1:10 1:20

齿轮箱:BG-方型齿轮箱
Gear box: BG-Square Gear Box

电机型号: 性能参考标准 23HS8430 系列混合式步进电机
Type:Performance plase refer to 23HS8430

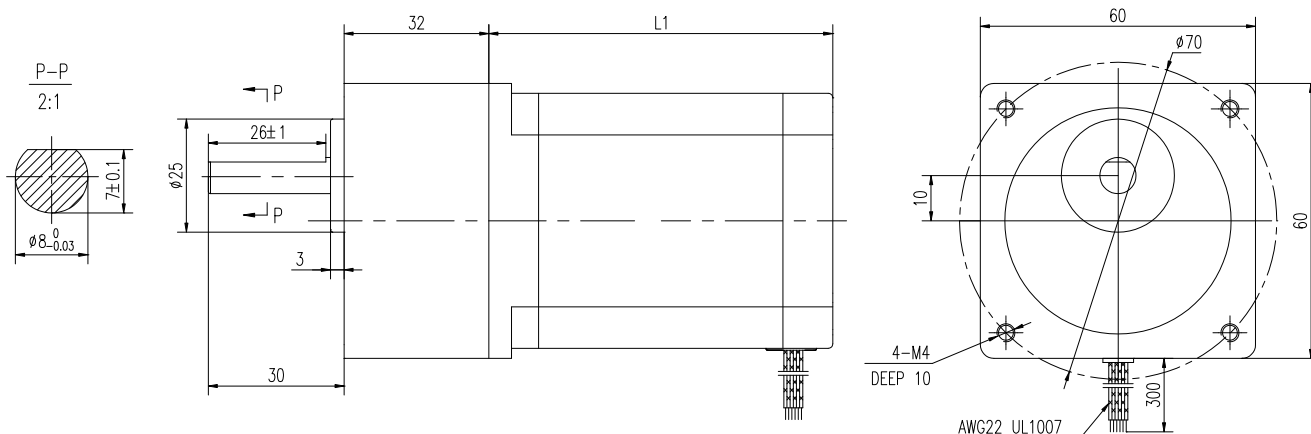
齿轮箱技术数据 Gearbox Electrical Specifications

| | | |
|---------------------|-----|----|
| 减速级数 Reducer Series | 1 级 | |
| 减速比 Reduction Ratio | 5 | 10 |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



方型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA34(□86mm)2 相 1.8° -34HS 2 Phase

型号说明 Type Instruction

34HS6801- BG 10



↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio: 1:10 1:20

↓
 齿轮箱: BG-方型齿轮箱
 Gear box: BG-Square Gear Box

↓
 电机型号: 性能参考标准 34HS6801 系列混合式步进电机
 Type: Performance plase refer to 34HS6801

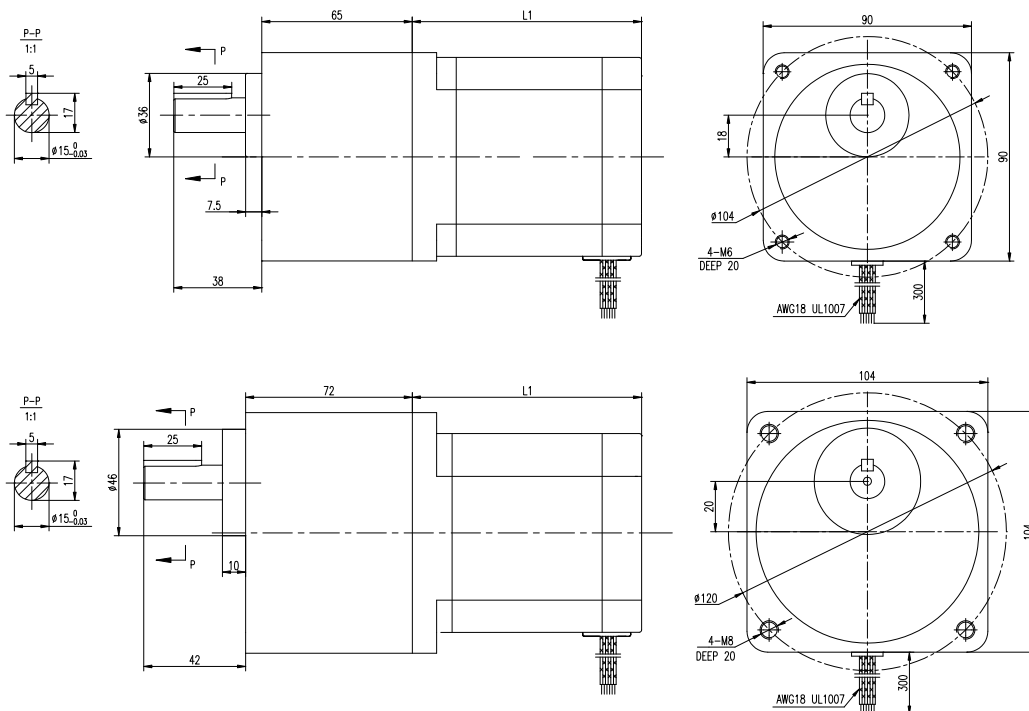
齿轮箱技术数据 Gearbox Electrical Specifications

| | | | |
|---------|---------------------|------|----|
| 90 齿轮箱 | 减速级数 Reducer Series | 1 级 | |
| | 减速比 Reduction Ratio | 5 | 10 |
| 104 齿轮箱 | 减速级数 Reducer Series | 2 级 | |
| | 减速比 Reduction Ratio | 12.5 | 20 |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



圆型减速混合式步进电机

CIRCLE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA20(○20mm)2 相 1.8° -8HY 2 Phase

型号说明 Type Instruction

8HY3402- PG 10



↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:PG-圆型齿轮箱
 Gear box: PG-circle Gear Box

↓
 电机型号:性能参考标准 8HY3402 系列混合式步进电机
 Type:Performance plase refer to 8HY3402

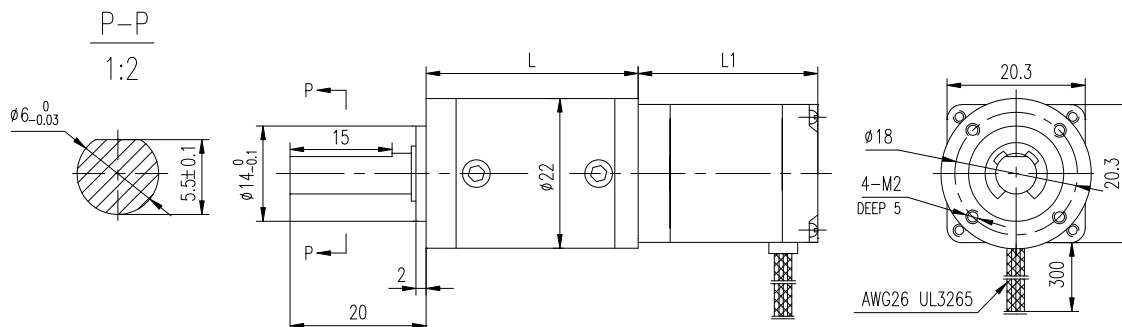
齿轮箱技术数据 Gearbox Electrical Specifications

| | | | | | | |
|------------------------------|--------|------|------|----|--------|-----|
| 减速级数 Reducer Series | 1 级 | | 2 级 | | 3 级 | |
| 传动效率 Transmission efficiency | 90% | | 81% | | 73% | |
| 最大径向负载 Max radial load | 20N | | 20N | | 20N | |
| 最大轴向负载 Max axial load | 10N | | 10N | | 10N | |
| 额定承受扭矩 Transmission torque | 0.6N.m | | 1N.m | | 1.6N.m | |
| 减速比 Reduction Ratio | 3.71 | 5.18 | 14 | 19 | 51 | 100 |
| 减速箱长度 L | 24.5 | | 33 | | 41.5 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



圆型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA28(○28mm)2 相 1.8° -11HY 2 Phase

型号说明 Type Instruction

11HY4402- PG 10

↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:PG-圆型齿轮箱
 Gear box: PG-circle Gear Box

↓
 电机型号: 性能参考标准 11HY4402 系列混合式步进电机
 Type:Performance plase refer to 11HY4402



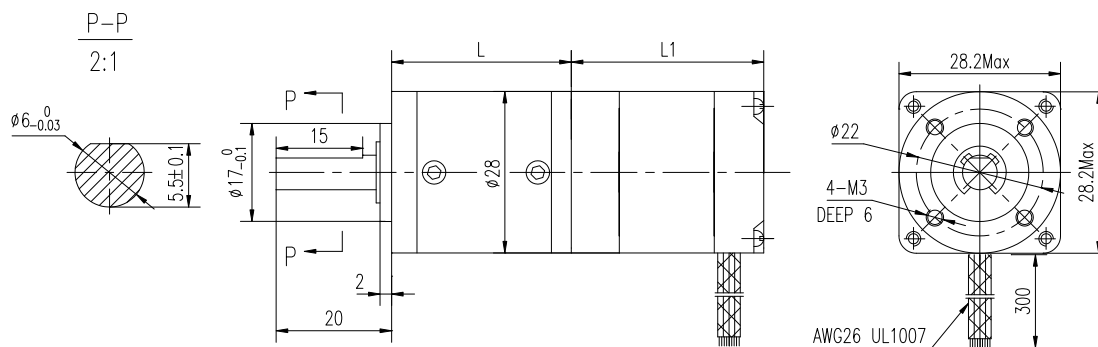
齿轮箱技术数据 Gearbox Electrical Specifications

| | | | | | | |
|------------------------------|--------|------|------|----|--------|-----|
| 减速级数 Reducer Series | 1 级 | | 2 级 | | 3 级 | |
| 传动效率 Transmission efficiency | 90% | | 81% | | 73% | |
| 最大径向负载 Max radial load | 35N | | 35N | | 35N | |
| 最大轴向负载 Max axial load | 25N | | 25N | | 25N | |
| 额定承受扭矩 Transmission torque | 1.2N.m | | 2N.m | | 3.2N.m | |
| 减速比 Reduction Ratio | 3.71 | 5.18 | 14 | 19 | 51 | 100 |
| 减速箱长度 L | 31 | | 40.5 | | 49 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



圆型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA35(○35mm)2 相 1.8° -14HY 2 Phase



型号说明 Type Instruction

14HY3402- PN 10

↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:PN-圆型齿轮箱
 Gear box: PN-circle Gear Box

↓
 电机型号: 性能参考标准 14HY3402 系列混合式步进电机
 Type:Performance phase refer to 14HY3402

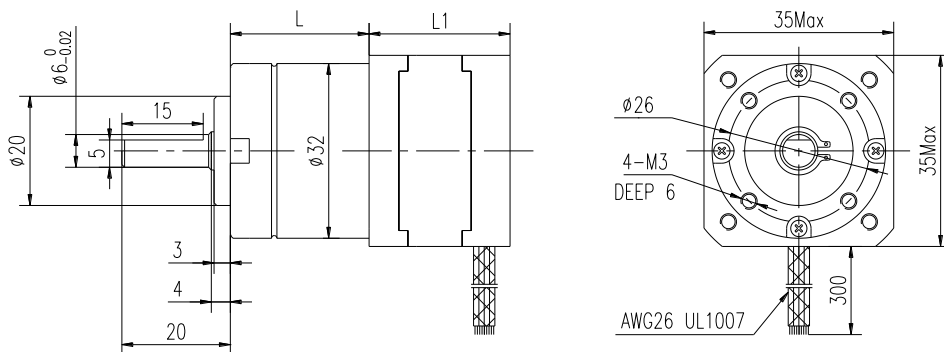
齿轮箱技术数据 Gearbox Electrical Specifications

| | | | | | | |
|------------------------------|------|------|--------|----|------|----|
| 减速级数 Reducer Series | 1 级 | | 2 级 | | 3 级 | |
| 传动效率 Transmission efficiency | 90% | | 81% | | 73% | |
| 最大径向负载 Max radial load | 140N | | 140N | | 140N | |
| 最大轴向负载 Max axial load | 50N | | 50N | | 50N | |
| 额定承受扭矩 Transmission torque | 1N.m | | 2.2N.m | | 4N.m | |
| 减速比 Reduction Ratio | 3.7 | 5.18 | 14 | 19 | 51 | 78 |
| 减速箱长度 L | 25.6 | | 35.9 | | 46.2 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



圆型减速混合式步进电机

SQUARE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA42(○42mm)2 相 1.8° -17HS 2 Phase

型号说明 Type Instruction

17HS4402- PN 10

↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:PN-圆型齿轮箱
 Gear box: PN-circle Gear Box

↓
 电机型号: 性能参考标准 17HS4402 系列混合式步进电机
 Type:Performance plase refer to 17HS4402



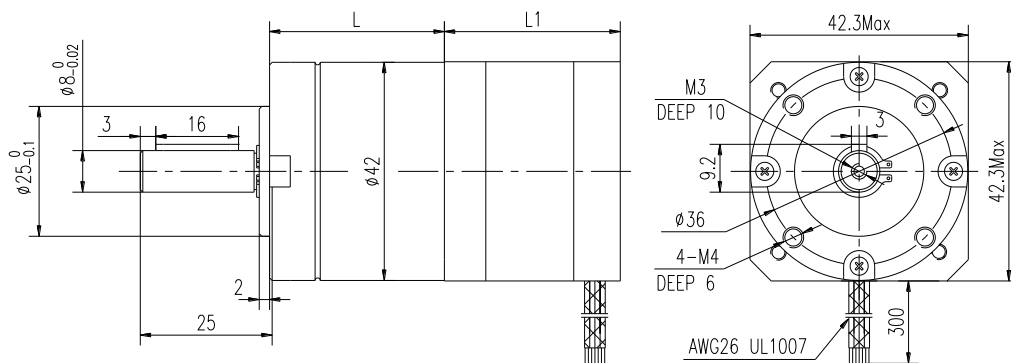
齿轮箱技术数据 Gearbox Electrical Specifications

| 减速级数 Reducer Series | 1 级 | | 2 级 | | 3 级 | |
|------------------------------|------|------|--------|----|-------|----|
| 传动效率 Transmission efficiency | 90% | | 81% | | 73% | |
| 最大径向负载 Max radial load | 300N | | 300N | | 300N | |
| 最大轴向负载 Max axial load | 110N | | 110N | | 110N | |
| 额定承受扭矩 Transmission torque | 3N.m | | 7.5N.m | | 15N.m | |
| 减速比 Reduction Ratio | 3.65 | 5.36 | 14 | 19 | 67 | 81 |
| 减速箱长度 L | 33.8 | | 47.4 | | 61 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



圆型减速混合式步进电机

CIRCLE GEAR BOX SERIES HYBRID STEPPING MOTOR

NEMA34(○86mm)2 相 1.8° -34HS 2 Phase

型号说明 Type Instruction

34HS8403- PN 10

↓
 减速比: 10-1:10 20:1:20
 Reduction Ratio:1:10 1:20

↓
 齿轮箱:PN-圆型齿轮箱
 Gear box: PN-circle Gear Box

电机型号: 性能参考标准 34HS8403 系列混合式步进电机
 Type:Performance plase refer to 34HS8403



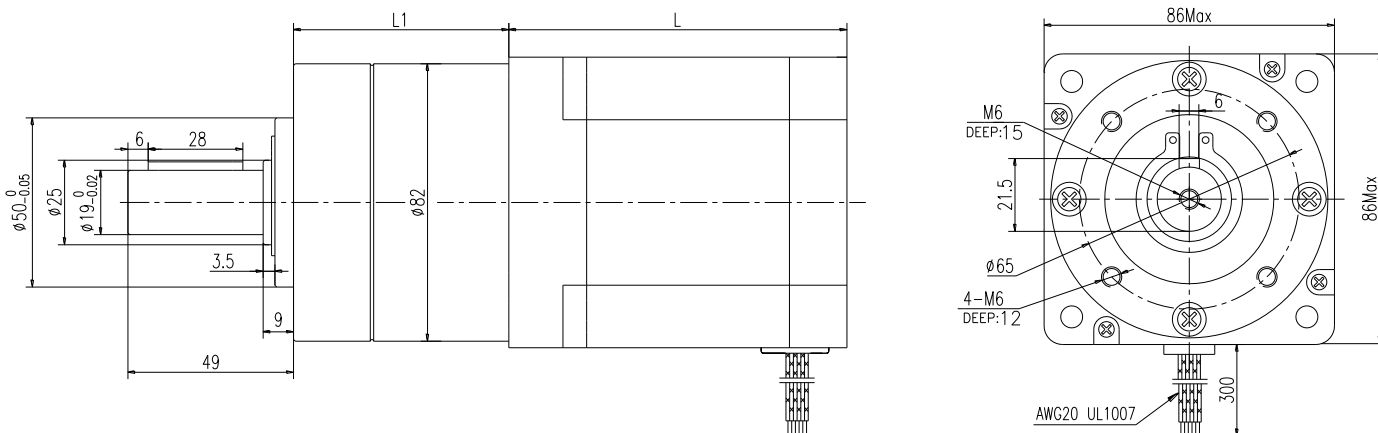
齿轮箱技术数据 Gearbox Electrical Specifications

| | | | | | | | |
|------------------------------|--|-------|------|-------|----|--------|----|
| 减速级数 Reducer Series | | 1 级 | | 2 级 | | 3 级 | |
| 传动效率 Transmission efficiency | | 90% | | 81% | | 73% | |
| 最大径向负载 Max radial load | | 1000N | | 1000N | | 1000N | |
| 最大轴向负载 Max axial load | | 200N | | 200N | | 200N | |
| 额定承受扭矩 Transmission torque | | 20N.m | | 60N.m | | 120N.m | |
| 减速比 Reduction Ratio | | 3.65 | 8.63 | 14 | 45 | 67 | 81 |
| 减速箱长度 L | | 63.7 | | 80.5 | | 103.2 | |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

外形图 Dimensions(单位: mm unit:mm)



直线步进电机命名规则



例如:

17HS8402N-150E631: 表示2相1.8度42电机48机身长02参数

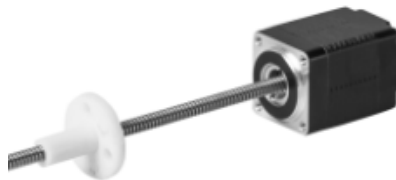
6.35直径单头外部驱动式丝杆,丝杆出轴长150mm

可选导程及编码说明:

| 可选编码 | 机座号 | | 8HY | 11HY | | 14HY | | 17HS | | 23HS | |
|------|----------------|----------|-------------------|--------------------|--------------------|-------------------|-----------------|-------------------|-----------------|-----------------|--------------------|
| | 丝杆直径 步长(mm) | 步长(in) | | 步长(mm) | 步长(in) | 步长(mm) | 步长(in) | 步长(mm) | 步长(in) | 步长(mm) | 步长(in) |
| | | | ∅3.5 (#0.138") | ∅4.76 (#0.187") | ∅5.54 (#0.218") | ∅6.35 (#0.25") | ∅8 (#0.315") | ∅6.35 (#0.25") | ∅8 (#0.315") | ∅8 (#0.315") | ∅9.53 (#0.375") |
| 351 | 0.005 | 0.00019 | ● | | | | | | | | |
| 471 | 0.0063 | 0.00025 | | ● | | | | | | | |
| 554 | 0.024 | 0.00095 | | | ● | | | | | | |
| 631 | 0.0079 | 0.00031 | | | | ● | | ● | | | |
| 632 | 0.0158 | 0.00062 | | | | ● | | ● | | | |
| 634 | 0.0315 | 0.00125 | | | | ● | | ● | | | |
| 081 | 0.01 | 0.000393 | | | | | ● | | ● | ● | |
| 082 | 0.02 | 0.000786 | | | | | ● | | ● | ● | |
| 084 | 0.04 | 0.00157 | | | | | ● | | ● | ● | |
| 951 | 0.0127 | 0.0005 | | | | | | | | | ● |
| 952 | 0.0254 | 0.001 | | | | | | | | | ● |
| 954 | 0.058 | 0.002 | | | | | | | | | ● |

NEMA8 (□20mm) 直线步进电机-2相 1.8°-8HY 2 Phase

NEMA 8 (□20mm) 混合式步进电机是目前最小的混合式直线步进电机。是我们对已有的微型电机产品所做的补充。是一个在有限空间实现精密传动的有效方案。



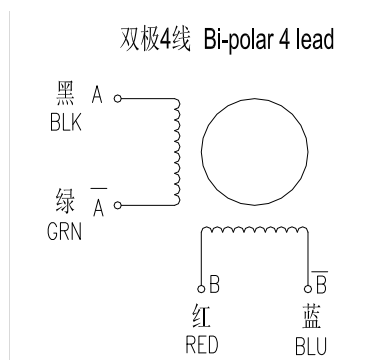
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|-----------------------------|
| 8HY2402 | 0.2 | 23 | 7.2 | 4 | 1.4 | 28 | 1.8 |
| 8HY3402 | 0.2 | 25 | 8.4 | 4 | 1.8 | 34 | |
| 8HY4402 | 0.2 | 32 | 8.8 | 4 | 2.6 | 40 | |
| 8HY4406 | 0.6 | 5.8 | 1.6 | | | | |

*以上仅为代表性产品，派生产品可根据客户要求制作，选型时请与我司联系

*Note: We can manufacture products according to customer's requirements, please contact us when you choose the motor type.

接线图 Wiring Diagram



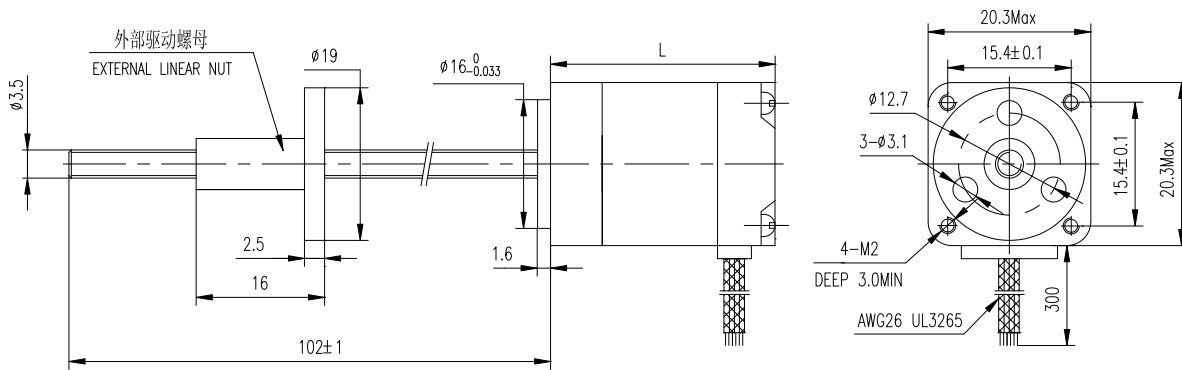
丝杆说明 Screw Specification

| 编码 Code | 直径 Diameter | 步长 Linear travel Per step | 导程 Lead |
|------------|----------------|---------------------------------|------------|
| 351 | Φ 3.5 | 0.005 | 1 |

出轴长度可根据客户要求定制。
The shaft length can be custom-made.

外形图 Dimensions(单位: mm unit=mm)

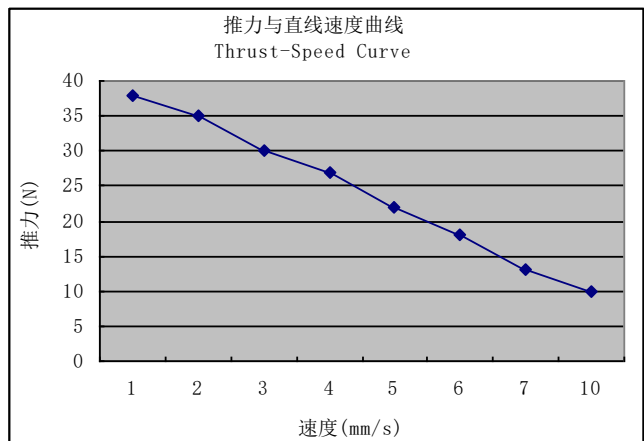
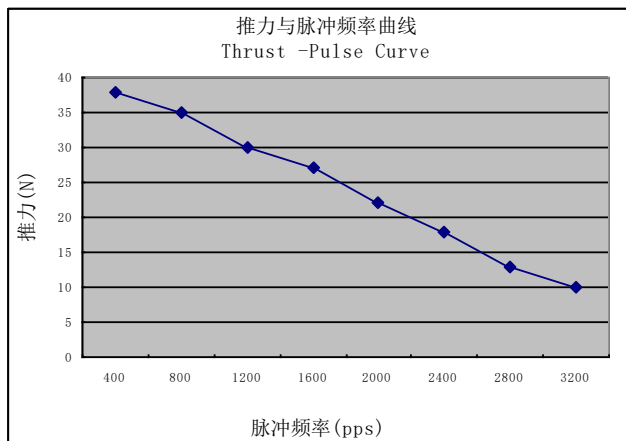
外部驱动式 External



动态推力曲线 Dynamic Thrust Curve

驱动方式: 整步 Drive Mode: Full Step

编码: 351 Code:351



NEMA11 (□28mm) 直线步进电机-2 相 1.8° -11HY 2 Phase

NEMA 11 (□28mm) 混合式步进电机体积小、性能高，适用于安装空间有限的场所。



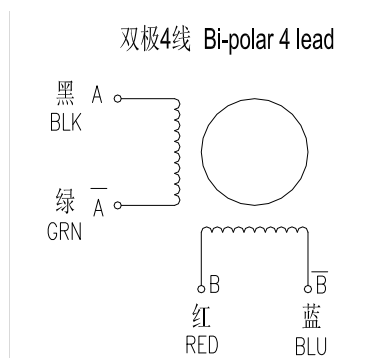
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身長 L Motor Length L (mm) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|-----------------------------|
| 11HY2402 | 0.35 | 12 | 5.8 | 4 | 4.5 | 28 | 1.8 |
| 11HY3402 | 0.35 | 15 | 9.2 | 4 | 6 | 33 | |
| 11HY4401 | 0.67 | 7.0 | 6.0 | 4 | 8 | 41 | |
| 11HY5401 | 0.67 | 9.0 | 7.2 | 4 | 10 | 50 | |

*以上仅为代表性产品，派生产品可根据客户要求制作，选型时请与我司联系

*Note: We can manufacture products according to customer's requirements, please contact us when you choose the motor type.

接线图 Wiring Diagram



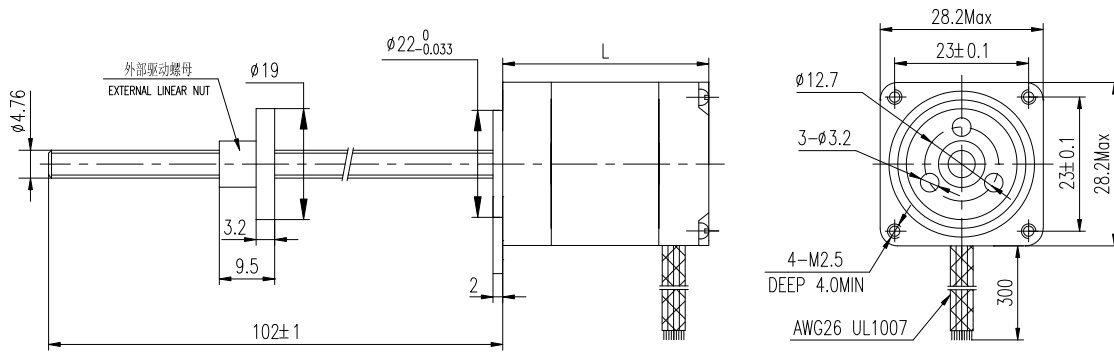
丝杆说明 Screw Specification

| 编码 Code | 直径 Diameter | 步长 Linear travel per step | 导程 Lead |
|------------|----------------|---------------------------------|------------|
| 471 | Φ 4.76 | 0.0063 | 1.27 |
| 554 | Φ 5.54 | 0.024 | 4.8 |

出轴长度可根据客户要求定制。
The shaft length can be custom-made.

外形图 Dimensions(单位: mm unit=mm)

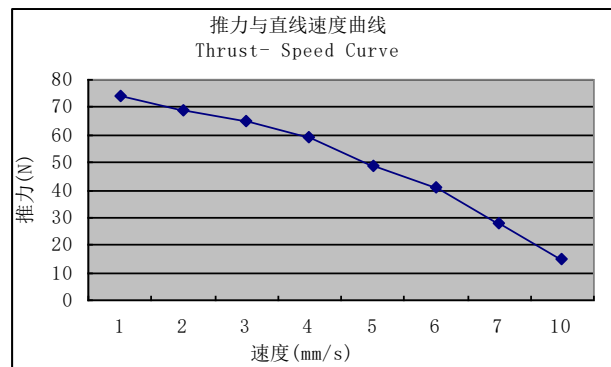
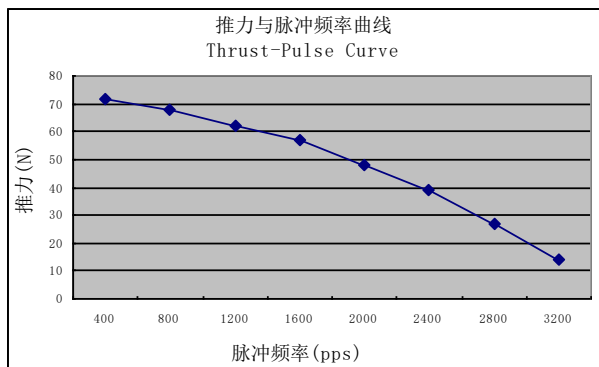
外部驱动式 External



动态推力曲线 Dynamic Thrust Curve

驱动方式: 整步 Drive Mode: Full Step

编码: 471 Code: 471

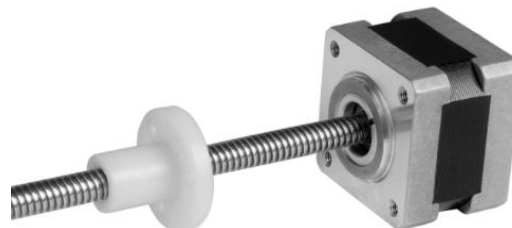


NEMA14 (□35mm) 直线步进电机-2 相 1.8° -14HY 2 Phase

NEMA 14 (□35mm) 混合式步进电机体积小、

性能高，寿命长等优点。

结构：外部驱动式、贯通轴式两种结构可选择。



技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身长 L Motor Length L (mm) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|-----------------------------|
| 14HY2402 | 0.8 | 5.5 | 7 | 4 | 12 | 28 | 1.8 |
| 14HY3402 | 0.8 | 6.5 | 11 | 4 | 18 | 34 | |
| 14HY3630 | 0.3 | 30 | 22 | 6 | 12 | | |
| 14HY4402 | 0.8 | 10.5 | 13 | 4 | 22 | 42 | |

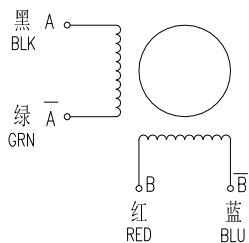
*以上仅为代表性产品，派生产品可根据客户要求制作，选型时请与我司联系

*Note: We can manufacture products according to customer's requirements, please contact us when you choose the motor type.

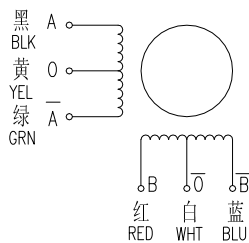
接线图 Wiring Diagram

丝杆说明 Screw Specification

双极4线 Bi-polar 4 lead



单极6线 Uni-polar 6 lead

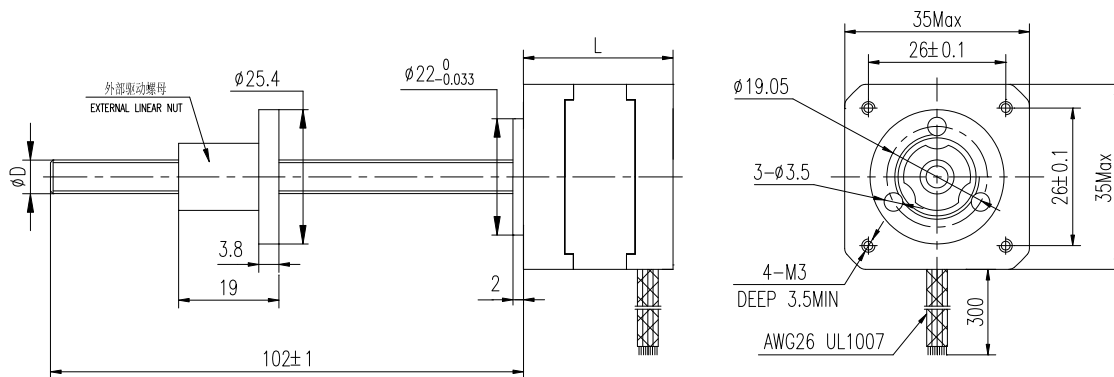


| 编码 Code | 直径 (D) Diameter ΦD | 步长 Linear travel per step | 导程 Step |
|------------|--------------------------|---------------------------------|------------|
| 631 | Φ 6.35 | 0.0079 | 1.59 |
| 632 | | 0.0158 | 3.17 |
| 634 | | 0.0315 | 6.35 |
| 081 | Φ 8 | 0.01 | 2 |
| 082 | | 0.02 | 4 |
| 084 | | 0.04 | 8 |

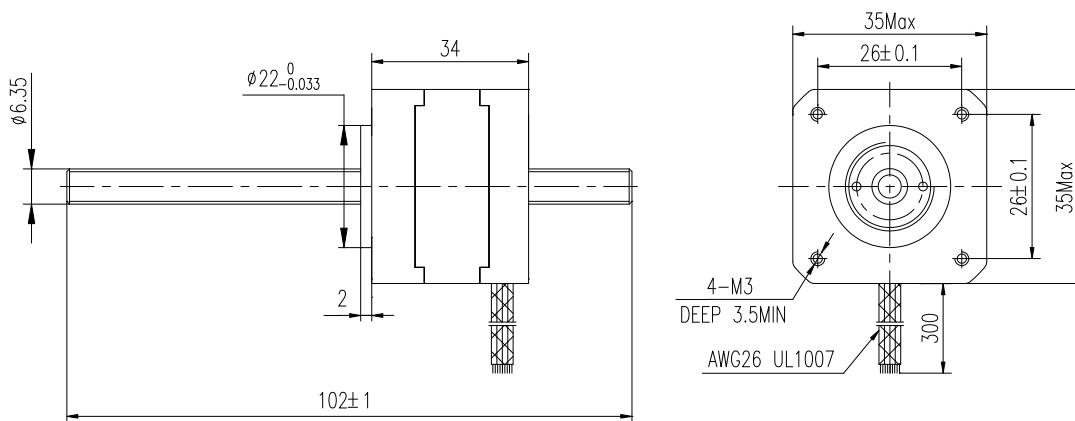
出轴长度可根据客户要求定制。
The shaft length can be custom-made.

外形图 Dimensions(单位: mm unit=mm)

外部驱动式 External



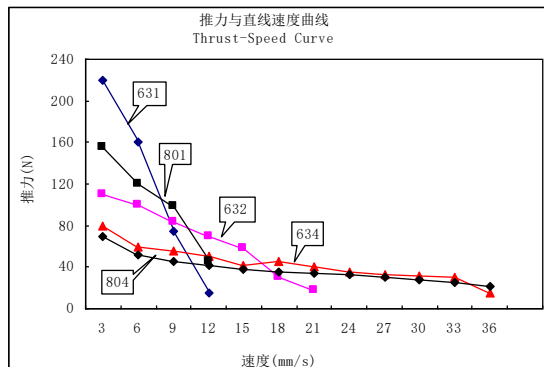
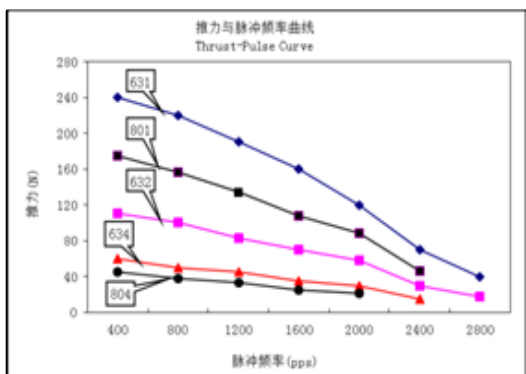
贯通轴式 Non-Captive type



动态推力曲线 Dynamic Thrust Curve

驱动方式: 整步 Drive Mode: Full Step

编码: 631、632、634、801、804 Code: 631、632、634、801、804



NEMA17 (□42mm) 直线步进电机-2 相 1.8° -17HS 2 Phase

NEMA 17 (□42mm) 混合式步进电机是最适用的小型直线电机。性能好，寿命长。
 结构：外部驱动式、贯通轴式两种结构可选择。



技术数据 Electrical Specifications:

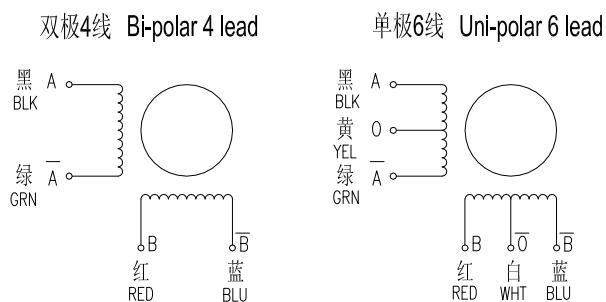
| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.cm) | 机身长 L Motor Length L (mm) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|------------------------------------|------------------------------------|-----------------------------|
| 17HS3401 | 1.3 | 2.4 | 3.5 | 4 | 28 | 34 | 1.8 |
| 17HS4401 | 1.7 | 1.5 | 2.8 | 4 | 40 | 40 | |
| 17HS8401 | 1.7 | 1.8 | 3.2 | 4 | 50 | 48 | |
| 17HS8630 | 0.4 | 30 | 28 | 6 | 34 | | |

*以上仅为代表性产品，派生产品可根据客户要求制作，选型时请与我司联系

*Note: We can manufacture products according to customer's requirements, please contact us when you choose the motor type.

接线图 Wiring Diagram

丝杆说明 Screw Specification

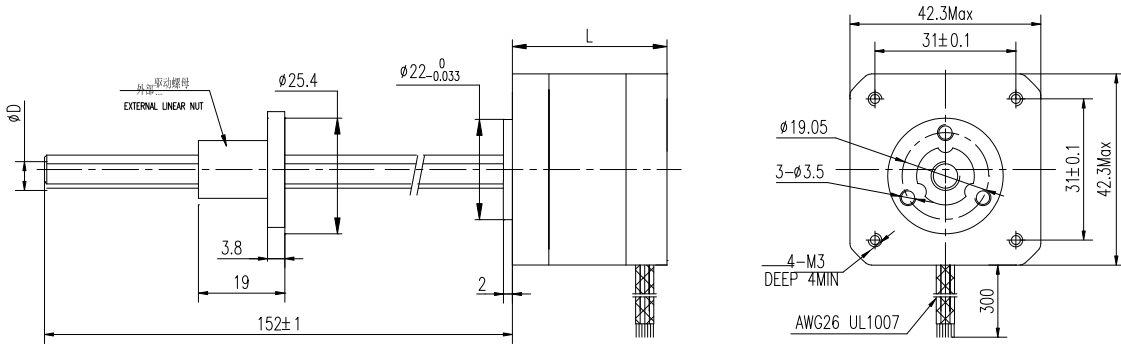


| 编码 Code | 直径 (D) Diameter ΦD | 步长 Linear travel per step | 导程 Step |
|------------|--------------------------|---------------------------------|------------|
| 631 | Φ 6.35 | 0.0079 | 1.59 |
| 632 | | 0.0158 | 3.17 |
| 634 | | 0.0315 | 6.35 |
| 081 | Φ 8 | 0.01 | 2 |
| 082 | | 0.02 | 4 |
| 084 | | 0.04 | 8 |

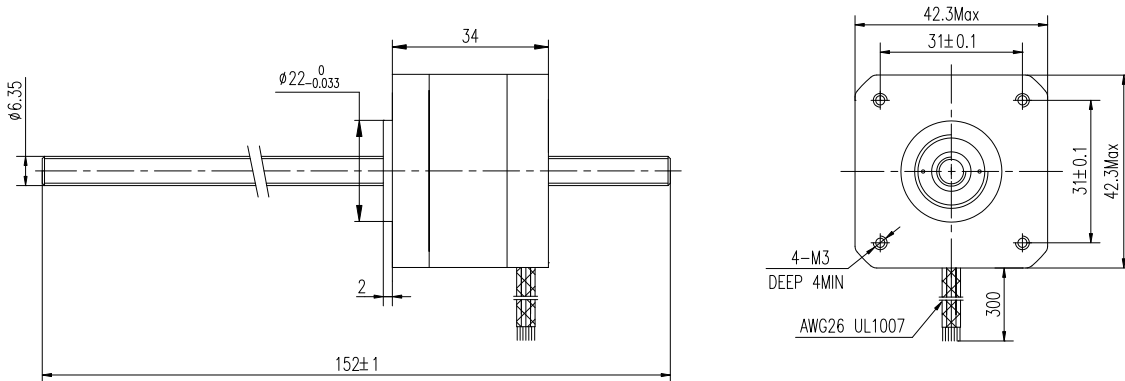
出轴长度可根据客户要求定制。
 The shaft length can be custom-made.

外形图 Dimensions(单位: mm unit=mm)

外部驱动式 External



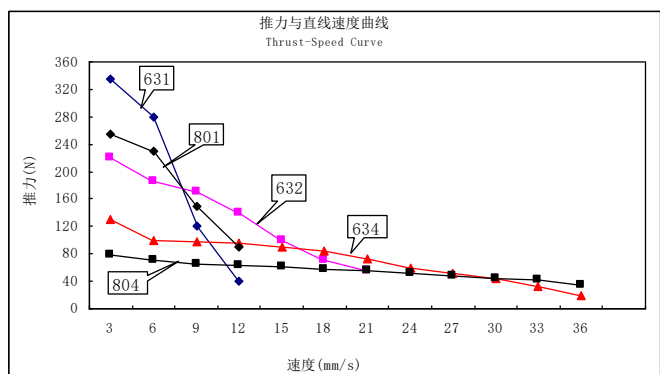
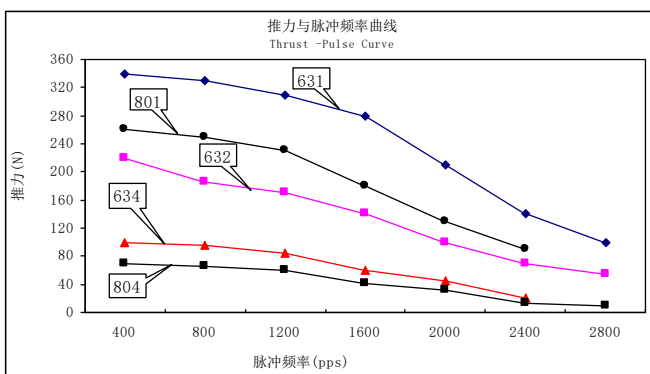
贯通轴式 Non-Captive type



动态推力曲线 Dynamic Thrust Curve

驱动方式: 整步 Drive Mode: Full Step

编码: 631、632、634、801、804 Code: 631、632、634、801、804



NEMA23 (□57mm) 直线步进电机-2 相 1.8° -23HS 2 Phase

NEMA 23 (□57mm) 混合式步进电机是一款高性能、长寿命及推力可达 80Kg 线性步进电机。

结构：外部驱动式、贯通轴式两种结构可选择。



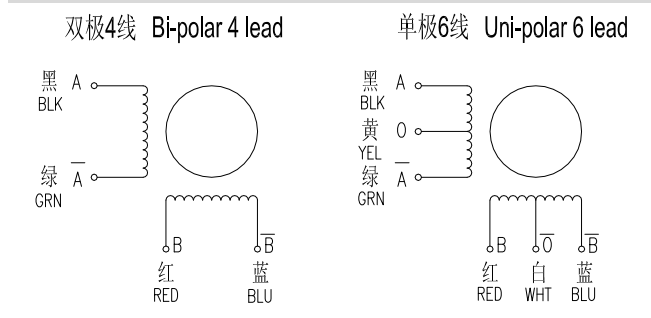
技术数据 Electrical Specifications:

| 型号 Series Model | 电流 Rated Current (A) | 电阻 Phase Resistance (Ω) | 电感 Phase Inductance (mH) | 引线数 Lead Wire (No.) | 静力矩 Holding Torque (N.m) | 机身長 L Motor Length L (mm) | 步距角 Step Angle (°) |
|-----------------------|-------------------------------|----------------------------------|-----------------------------------|------------------------------|-----------------------------------|------------------------------------|-----------------------------|
| 23HS4425 | 2.5 | 1.0 | 2.2 | 4 | 0.8 | 45 | 1.8 |
| 23HS5425 | 2.5 | 1.1 | 3.2 | 4 | 1.0 | 51 | |
| 23HS6430 | 3.0 | 0.7 | 2.4 | 4 | 1.1 | 56 | |
| 23HS8404 | 4.2 | 0.55 | 1.8 | 4 | 1.8 | 76 | |

*以上仅为代表性产品，派生产品可根据客户要求制作，选型时请与我司联系

*Note: We can manufacture products according to customer's requirements, please contact us when you choose the motor type.

接线图 Wiring Diagram



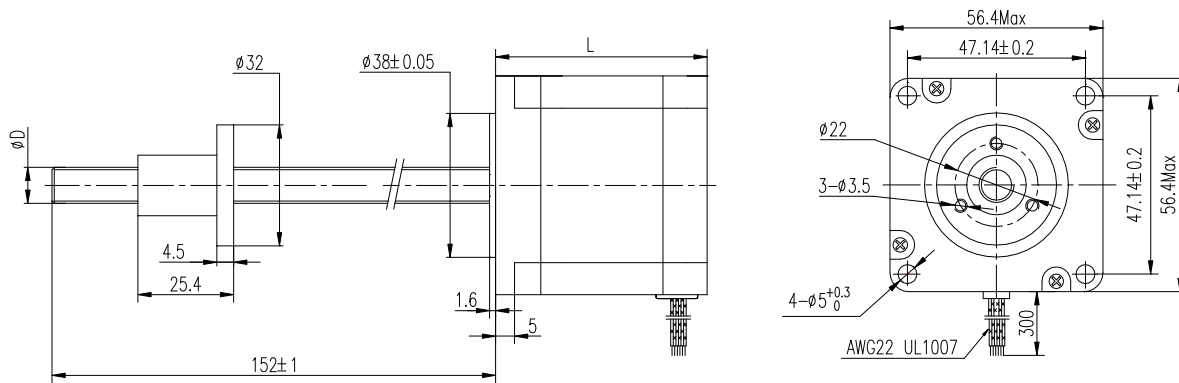
丝杆说明 Screw Specification

| 编码 Code | 直径 (D) Diameter ΦD | 步长 Linear travel per step | 导程 Lead |
|------------|--------------------------|---------------------------------|------------|
| 081 | Φ 8 | 0.01 | 2 |
| 082 | | 0.02 | 4 |
| 084 | | 0.04 | 8 |
| 951 | Φ 9.53 | 0.0127 | 2.54 |
| 952 | | 0.0254 | 5.08 |
| 954 | | 0.0508 | 10.16 |

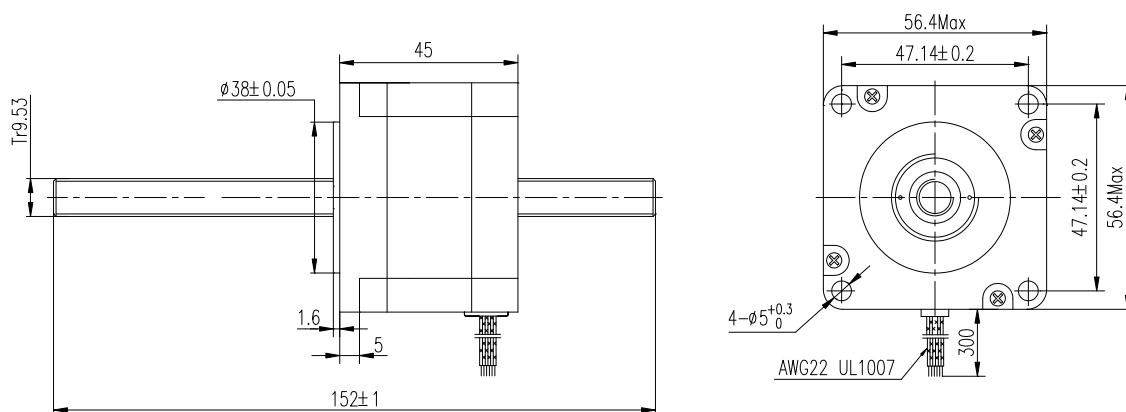
出轴长度可根据客户要求定制。
The shaft length can be custom-made.

外形图 Dimensions(单位: mm unit=mm)

外部驱动式 External



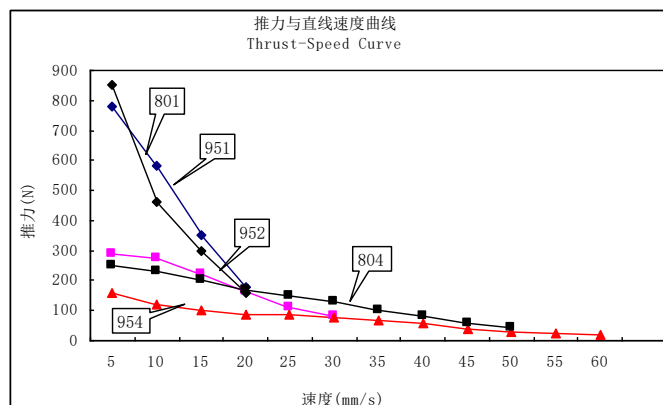
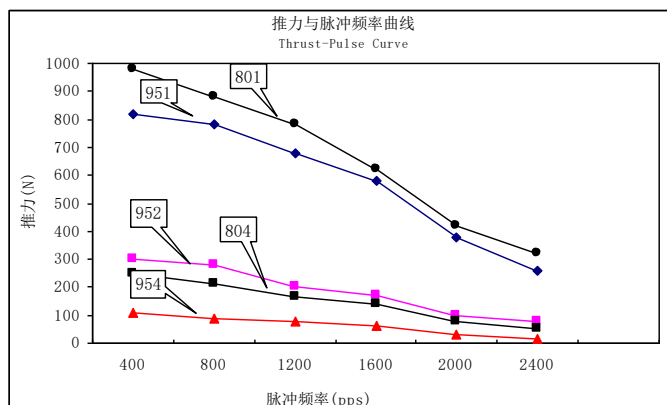
通轴式 Non-Captive type



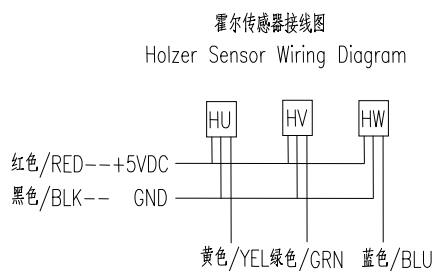
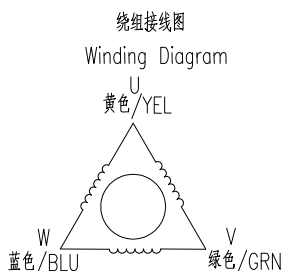
动态推力曲线 Dynamic Thrust Curve

驱动方式: 整步 Drive Mode: Full Step

编码: 801、804、951、952、954 Code: 801、804、951、952、954



17WSTE (□42mm) 方形直流无刷电机



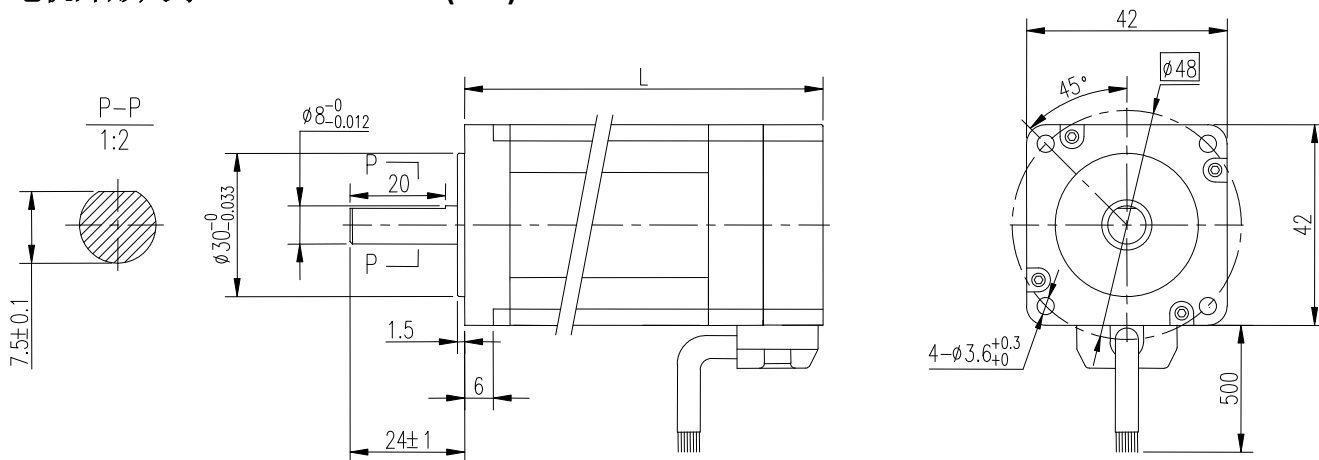
● 技术数据 (Electrical Specifications)

| 电机型号 Motor Model | | 17WSTE483030 | 17WSTE486030 | 17WSTE489030 |
|--|--|--------------|--------------|--------------|
| 相数 Number of Phase | | 3 | 3 | 3 |
| 极数 Number of Poles | | 8 | 8 | 8 |
| 额定电压 Rated Voltage(VDC) | | 48 | 48 | 48 |
| 额定转速 Rated Speed(Rpm) | | 3000 | 3000 | 3000 |
| 额定转矩 Rated Torque(N.m) | | 0.1 | 0.2 | 0.3 |
| 额定功率 Rated Power(W) | | 31 | 63 | 94 |
| 额定电流 Rated Current(A) | | 0.87 | 1.74 | 2.61 |
| 峰值电流 Peak Current(A) | | 2.6 | 5.2 | 7.8 |
| 峰值转矩 Peak Torque(N.M) | | 0.3 | 0.6 | 0.9 |
| 转子惯量 Rotor Inertia(kg.cm ²) | | 0.039 | 0.045 | 0.052 |
| 转矩常数 Torque Constant(N.m/A) | | 0.115 | 0.115 | 0.115 |
| 反电势常数 Torque Constant(V/krpm) | | 12 | 12 | 12 |
| 线间电阻 Line-Line Resistance(Ω) | | 1.9 | 1.4 | 0.8 |
| 线间电感 Line-Line Inductance(mH) | | 1.5 | 1.1 | 0.6 |
| 机身长度 Length(mm) | | 60 | 80 | 100 |
| 电机重量 Weight(kg) | | 0.4 | 0.9 | 1.0 |

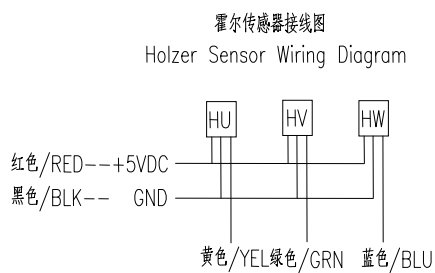
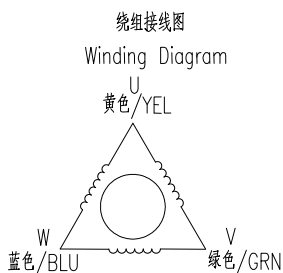
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



17WLNS-BG (□42mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| | | |
|---------|--------------------|--------------|
| 电机型号 | Motor Model | 17WLNS240815 |
| 额定电压 | Rated Voltage(VDC) | 24 |
| 额定转速 | Rated Speed(Rpm) | 1500 |
| 额定转矩 | Rated Torque(N.m) | 0.05 |
| 额定功率 | Rated Power(W) | 8 |
| 机身长度 L1 | Length(mm) | 47 |

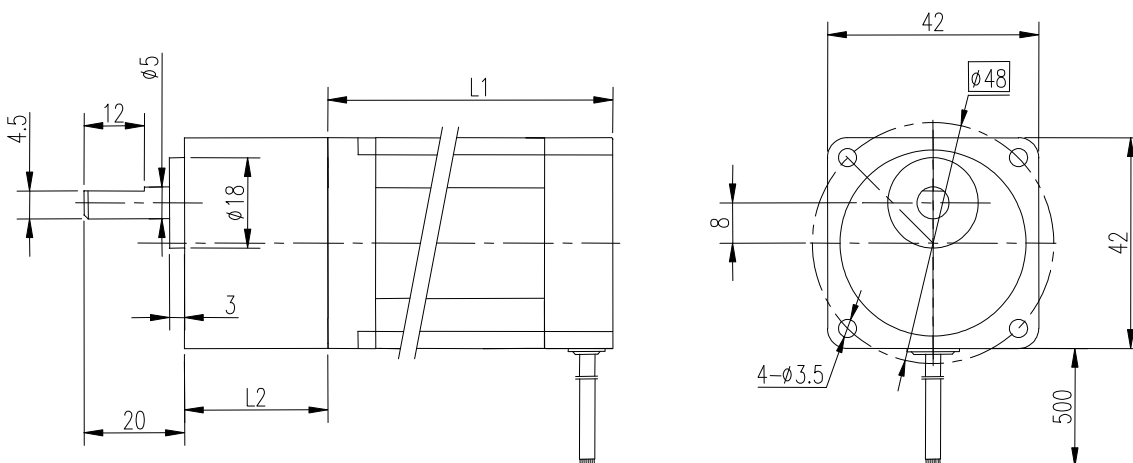
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

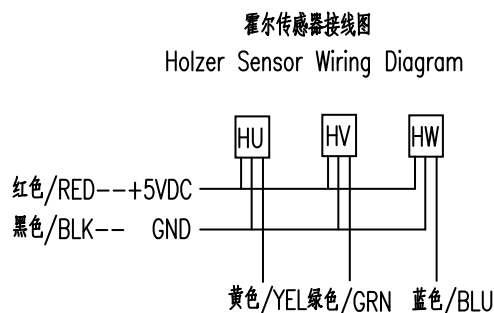
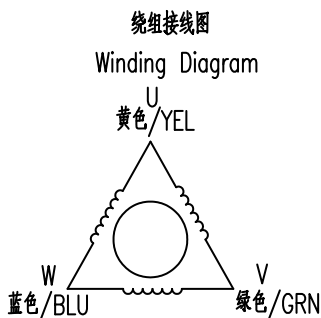
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| | | | | | | | | | | | | |
|-------|-----------------|------|---|-----|---|------|----|----|----|----|----|----|
| 减速级数 | Reducer Series | 1 | | | | 2 | | | 3 | | | |
| 减速比 | Reduction Ratio | 3 | 5 | 7.5 | 9 | 12.5 | 15 | 18 | 25 | 30 | 50 | 60 |
| 长度 L2 | Length(mm) | 28.5 | | | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



23WSTE (□57mm) 方形直流无刷电机



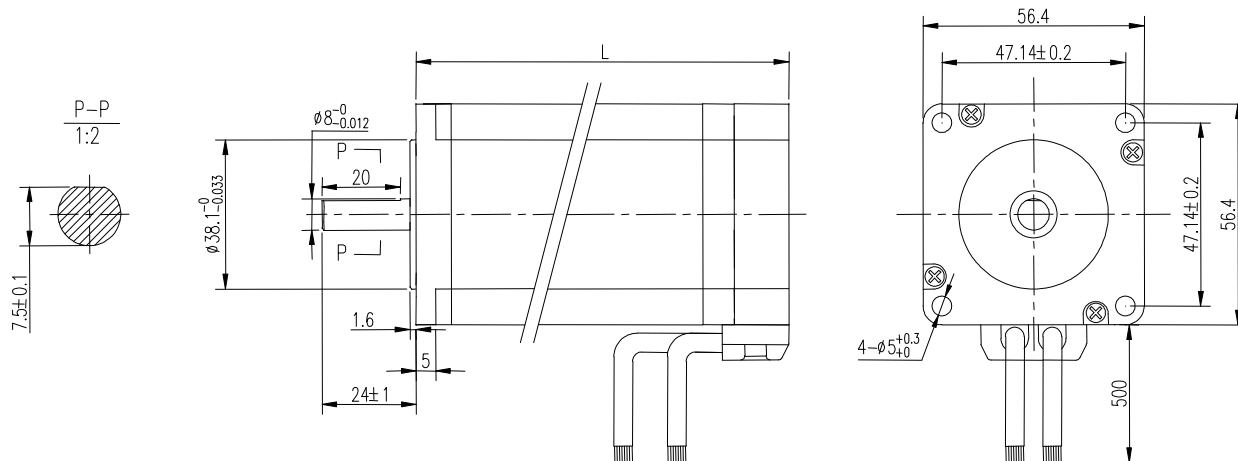
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 23WSTE486030 | 23WSTE481230 | 23WSTE481830 |
|-------|------------------------------------|--------------|--------------|--------------|
| 相数 | Number of Phase | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VDC) | 48 | 48 | 48 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.2 | 0.4 | 0.6 |
| 额定功率 | Rated Power(W) | 63 | 125 | 188 |
| 额定电流 | Rated Current(A) | 1.6 | 3.3 | 5.0 |
| 峰值电流 | Peak Current(A) | 4.8 | 9.9 | 15.0 |
| 峰值转矩 | Peak Torque(N.M) | 0.6 | 1.2 | 1.8 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.42 | 0.63 | 0.91 |
| 转矩常数 | Torque Constant(N.m/A) | 0.125 | 0.121 | 0.12 |
| 反电势常数 | Torque Constant(V/krpm) | 13.08 | 12.71 | 12.56 |
| 线间电阻 | Line-Line Resistance(Ω) | 1.11 | 0.93 | 0.52 |
| 线间电感 | Line-Line Inductance(mH) | 0.91 | 0.65 | 0.43 |
| 机身长度 | Length(mm) | 58 | 78 | 98 |
| 电机重量 | Weight(kg) | 1.0 | 1.4 | 1.8 |

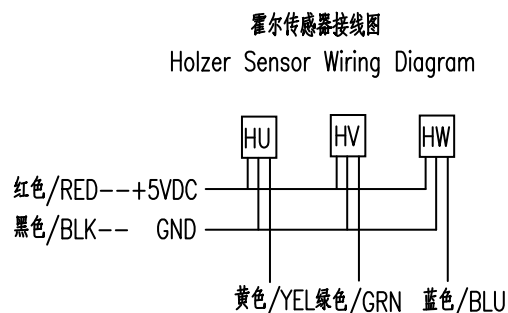
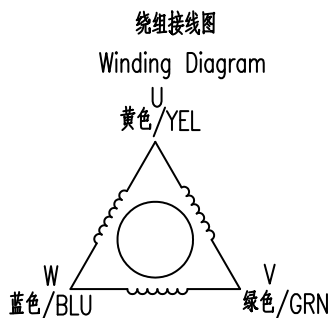
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



23WSTE-BG60 (□57mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 Motor Model | 23WSTE241515 | |
|----------------------------|--------------|--|
| 额定电压 Rated Voltage(VDC) | 24 | |
| 额定转速 Rated Speed(Rpm) | 1500 | |
| 额定转矩 Rated Torque(N.m) | 0.1 | |
| 额定功率 Rated Power(W) | 15 | |
| 机身长度 L1 Length(mm) | 48 | |

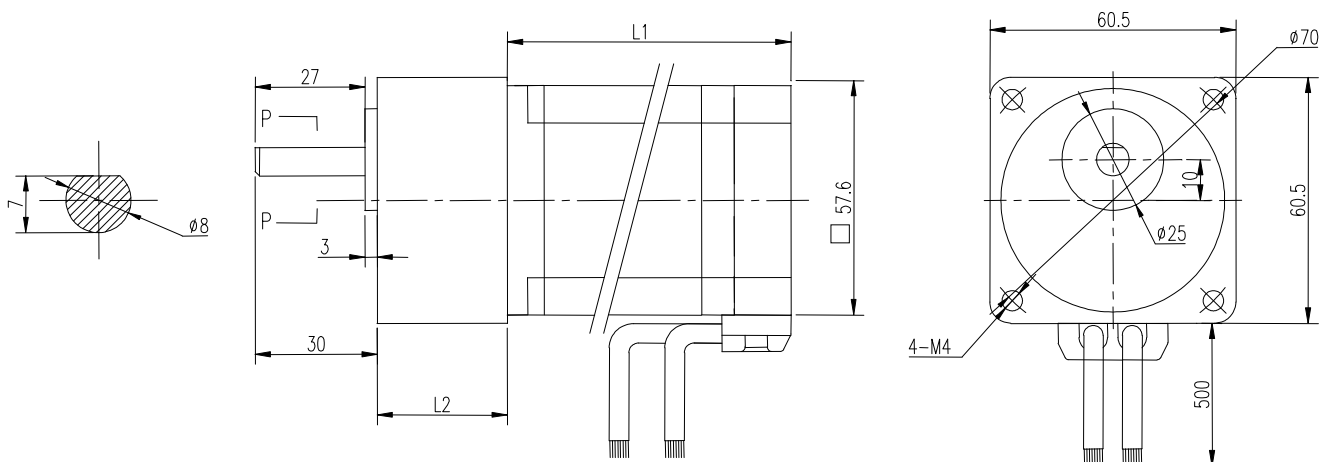
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

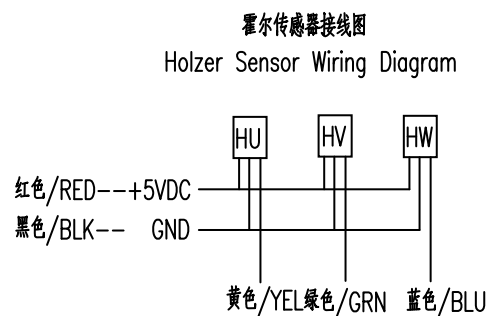
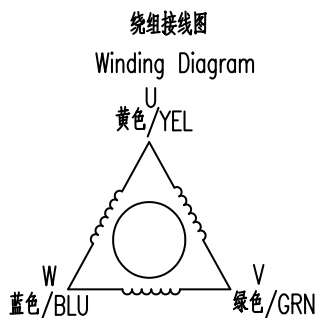
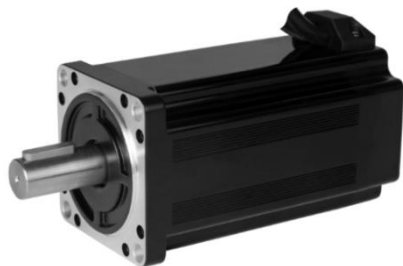
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 Reducer Series | 1 | | | | | | | 2 | | | | 3 | | | | |
|------------------------|----|---|-----|---|----|----|----|----|----|----|----|----|----|-----|-----|--|
| 减速比 Reduction Ratio | 3 | 5 | 7.5 | 9 | 10 | 18 | 20 | 30 | 40 | 50 | 60 | 75 | 90 | 100 | 150 | |
| 长度 L2 Length(mm) | 32 | | | | | | | 42 | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



24BSTE/24SSTE (□60mm) 方形直流无刷电机



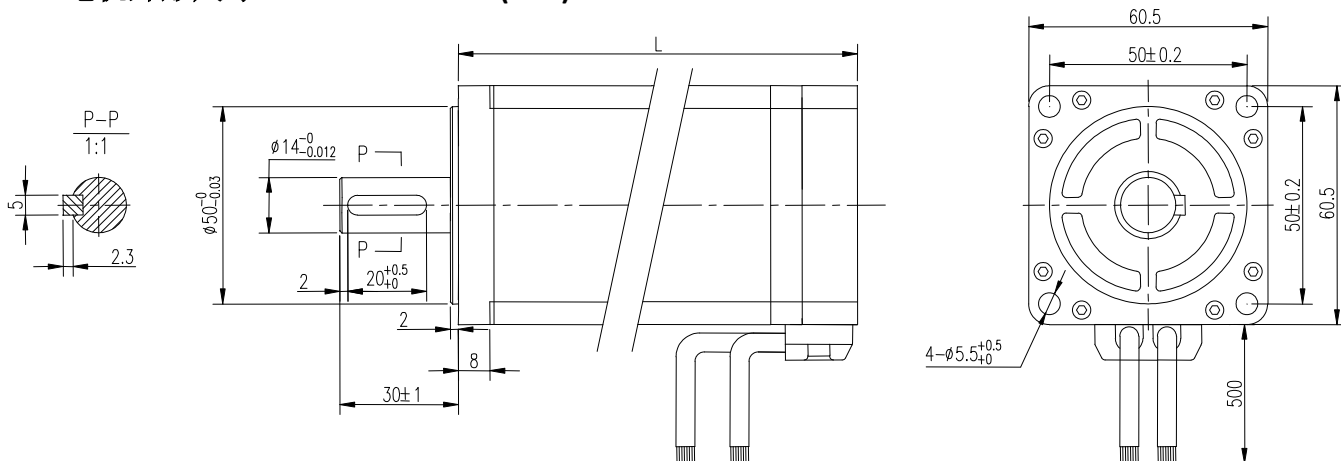
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 24BSTE481230 | 24BSTE482530 | 24SSTE484030 | 24SSTE2202030 | 24SSTE2204030 |
|------|------------------------------------|--------------|--------------|--------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 48 | 48 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.4 | 0.8 | 1.27 | 0.64 | 1.27 |
| 额定功率 | Rated Power(W) | 125 | 250 | 400 | 200 | 400 |
| 额定电流 | Rated Current(A) | 4 | 7.5 | 11 | 1.45 | 2.9 |
| 峰值电流 | Peak Current(A) | 12 | 22.5 | 33 | 4.35 | 8.7 |
| 峰值转矩 | Peak Torque(N.M) | 1.2 | 2.4 | 3.81 | 1.92 | 3.81 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.75 | 0.95 | 0.95 | 0.75 | 0.95 |
| 转矩常数 | Torque Constant(N.m/A) | 0.11 | 0.11 | 0.11 | 0.44 | 0.44 |
| 反电势常 | Torque Constant(V/krpm) | 10.47 | 11.17 | 10.47 | 29 | 29 |
| 线间电阻 | Line-Line Resistance(Ω) | 1.5 | 0.6 | 0.5 | 10 | 2.2 |
| 线间电感 | Line-Line Inductance(mH) | 1.3 | 0.65 | 0.4 | 11 | 5.5 |
| 机身长度 | Length(mm) | 77.5 | 108 | 108 | 81.5 | 108 |
| 电机重量 | Weight(kg) | 0.88 | 1.37 | 1.4 | 0.9 | 1.4 |

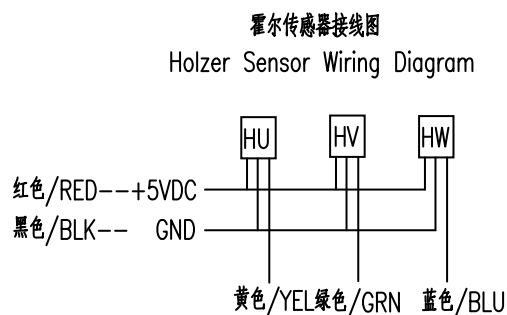
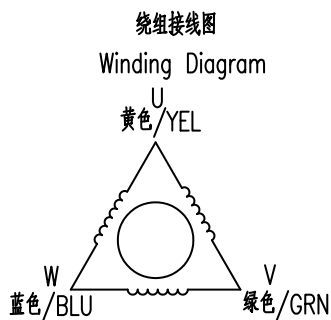
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



24BLTE-BG60 (□60mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 24BLTE242015 |
|---------|--------------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 24 |
| 额定转速 | Rated Speed(Rpm) | 1500 |
| 额定转矩 | Rated Torque(N.m) | 0.125 |
| 额定功率 | Rated Power(W) | 20 |
| 机身长度 L1 | Length(mm) | 58 |

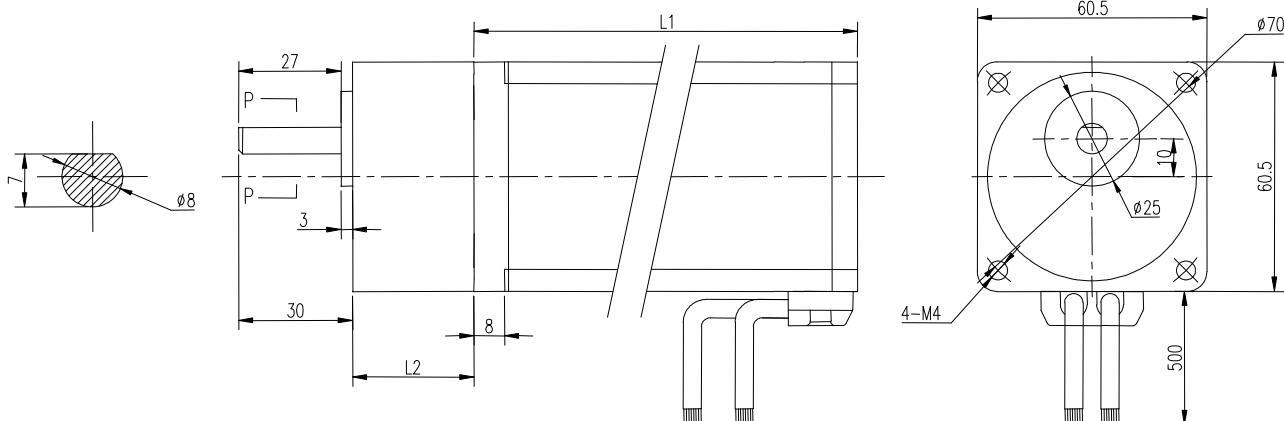
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

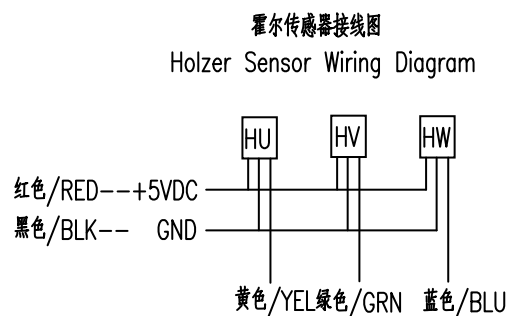
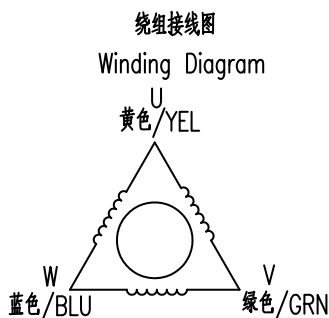
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | | | 2 | | | | 3 | | | | | |
|-------|-----------------|----|---|-----|---|----|----|----|----|----|----|----|----|----|-----|-----|--|
| 减速比 | Reduction Ratio | 3 | 5 | 7.5 | 9 | 10 | 18 | 20 | 30 | 40 | 50 | 60 | 75 | 90 | 100 | 150 | |
| 长度 L2 | Length(mm) | 32 | | | | | | 42 | | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



28BSTE (□70mm) 方形直流无刷电机



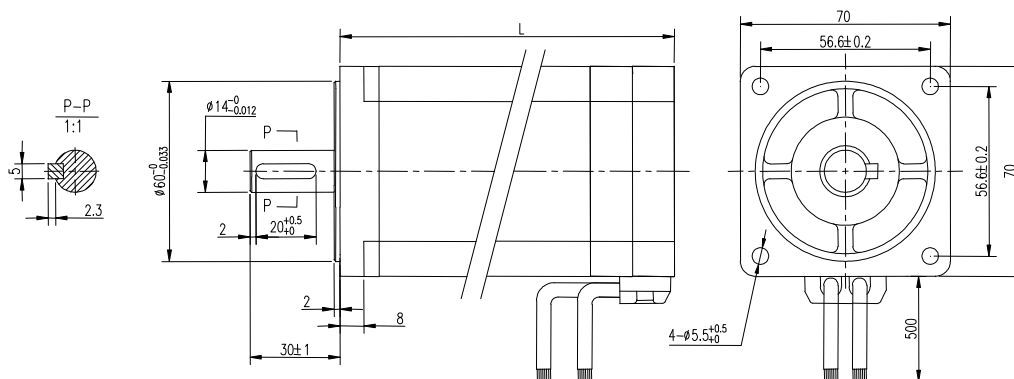
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 28BSTE481530 | 28BSTE2201530 | 28BSTE483130 | 28BSTE2203130 |
|-------|------------------------------------|--------------|---------------|--------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 220 | 48 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.5 | 0.5 | 1.0 | 1.0 |
| 额定功率 | Rated Power(W) | 157 | 157 | 314 | 314 |
| 额定电流 | Rated Current(A) | 4.1 | 1.2 | 8.5 | 2.5 |
| 峰值电流 | Peak Current(A) | 12.3 | 3.6 | 25.4 | 7.5 |
| 峰值转矩 | Peak Torque(N.M) | 1.5 | 1.5 | 3.0 | 3.0 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.86 | 0.86 | 1.12 | 1.12 |
| 转矩常数 | Torque Constant(N.m/A) | 0.122 | 0.42 | 0.117 | 0.4 |
| 反电势常数 | Torque Constant(V/krpm) | 12.76 | 43.62 | 12.31 | 41.88 |
| 线间电阻 | Line-Line Resistance(Ω) | 0.93 | 24 | 0.45 | 14.2 |
| 线间电感 | Line-Line Inductance(mH) | 0.85 | 48 | 0.42 | 23 |
| 机身长度 | Length(mm) | 88 | 88 | 118 | 118 |
| 电机重量 | Weight(kg) | 1.34 | 1.34 | 1.98 | 1.98 |

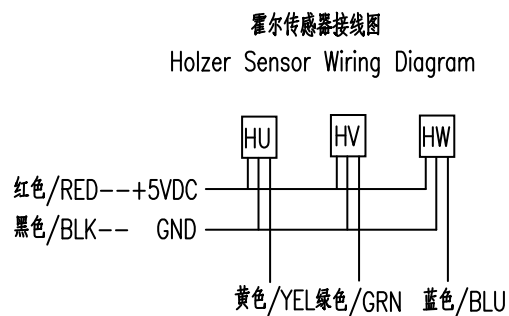
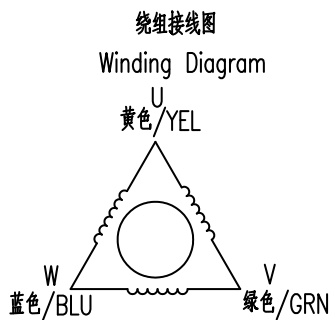
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



28BSTE-BG70 (□70mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| | | |
|---------|--------------------|--------------|
| 电机型号 | Motor Model | 28BSTE244015 |
| 额定电压 | Rated Voltage(VDC) | 24 |
| 额定转速 | Rated Speed(Rpm) | 1500 |
| 额定转矩 | Rated Torque(N.m) | 0.25 |
| 额定功率 | Rated Power(W) | 40 |
| 机身长度 L1 | Length(mm) | 73 |

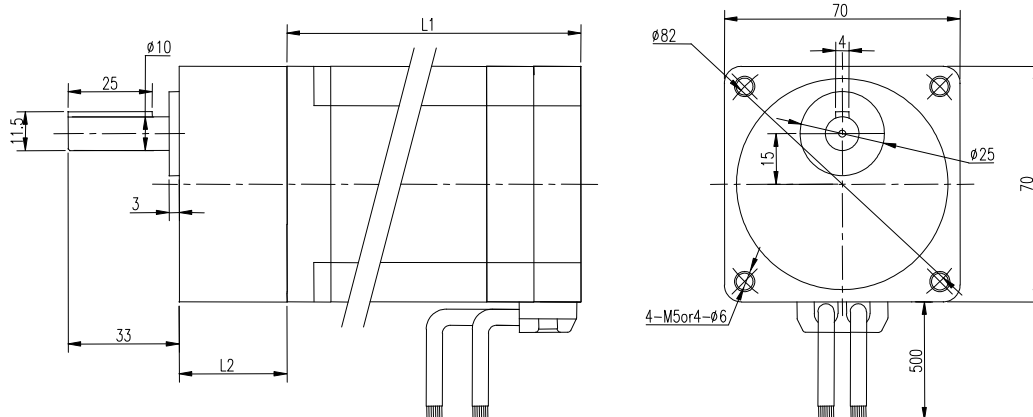
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

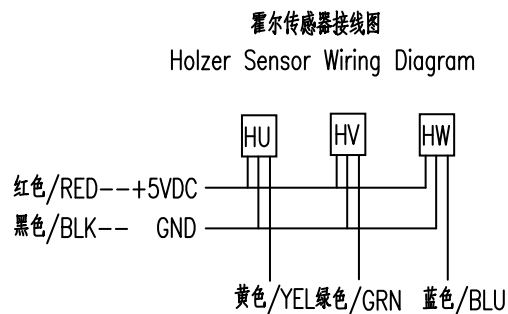
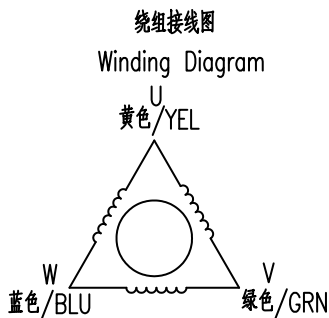
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| | | | | | | | | | | | | | | | | |
|-------|-----------------|----|---|-----|----|----|----|----|----|----|----|----|----|-----|-----|--|
| 减速级数 | Reducer Series | 1 | | | | | 2 | | | | 3 | | | | | |
| 减速比 | Reduction Ratio | 3 | 5 | 7.5 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 75 | 90 | 100 | 150 | |
| 长度 L2 | Length(mm) | 32 | | | | | 42 | | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



32SSTE (□80mm) 方形直流无刷电机



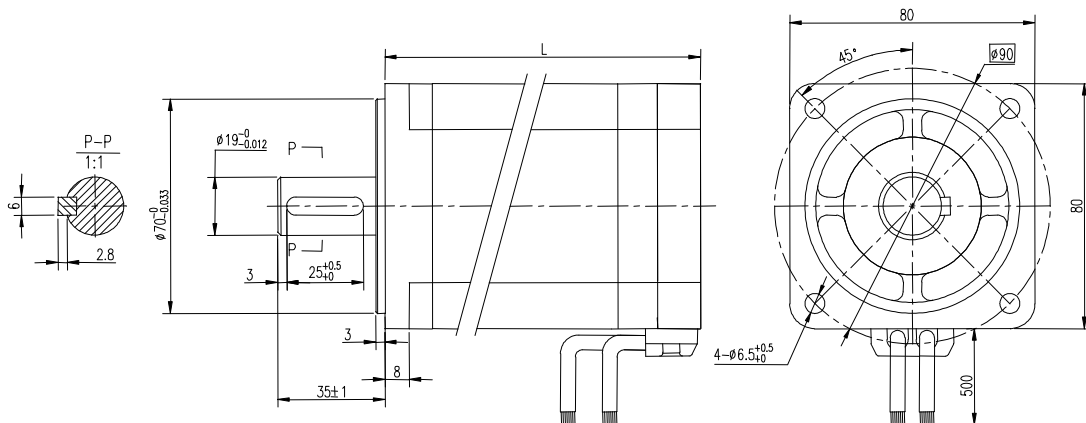
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 32SSTE485030 | 32SSTE2205030 | 32SSTE2207530 |
|-------|------------------------------------|--------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 1.6 | 1.6 | 2.39 |
| 额定功率 | Rated Power(W) | 500 | 500 | 750 |
| 额定电流 | Rated Current(A) | 14 | 3.3 | 5.0 |
| 峰值电流 | Peak Current(A) | 42 | 10 | 15.0 |
| 峰值转矩 | Peak Torque(N.M) | 4.8 | 4.8 | 7.1 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 1.6 | 1.6 | 2.1 |
| 转矩常数 | Torque Constant(N.m/A) | 0.11 | 0.51 | 0.51 |
| 反电势常数 | Torque Constant(V/krpm) | 10.47 | 40 | 42 |
| 线间电阻 | Line-Line Resistance(Ω) | 1 | 3 | 2.2 |
| 线间电感 | Line-Line Inductance(mH) | 0.9 | 6 | 9 |
| 机身长度 | Length(mm) | 109 | 109 | 129 |
| 电机重量 | Weight(kg) | 2.04 | 2.2 | 3.2 |

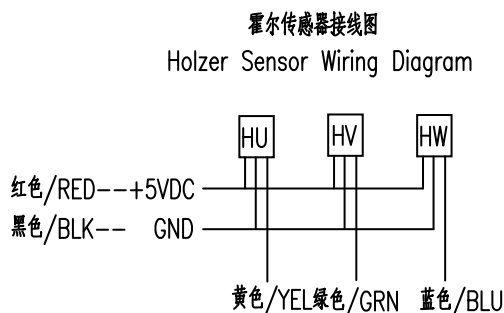
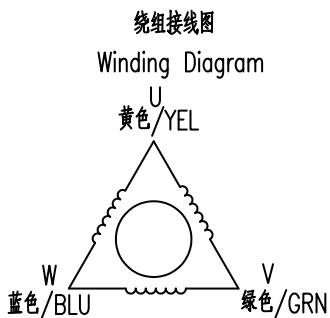
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



32BSTE-BG80 (□80mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 32BSTE245015 |
|---------|--------------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 24 |
| 额定转速 | Rated Speed(Rpm) | 1500 |
| 额定转矩 | Rated Torque(N.m) | 0.32 |
| 额定功率 | Rated Power(W) | 50 |
| 机身长度 L1 | Length(mm) | 78 |

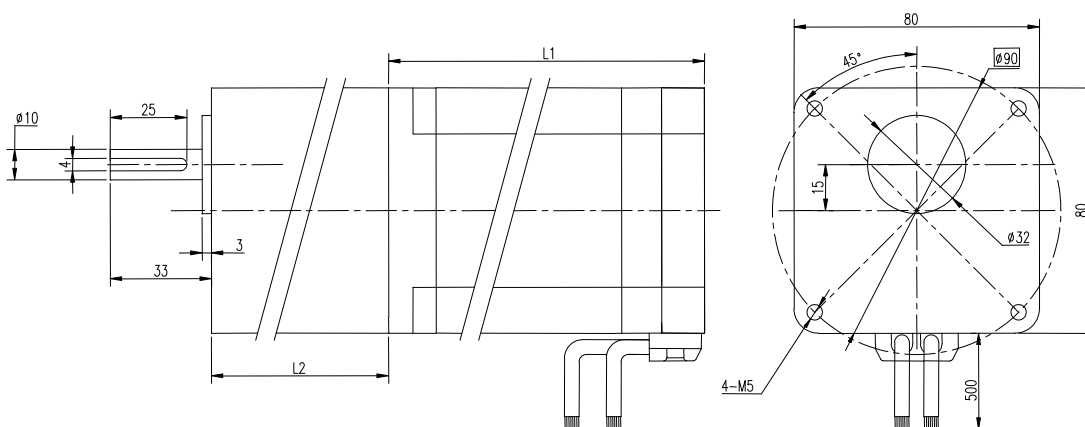
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

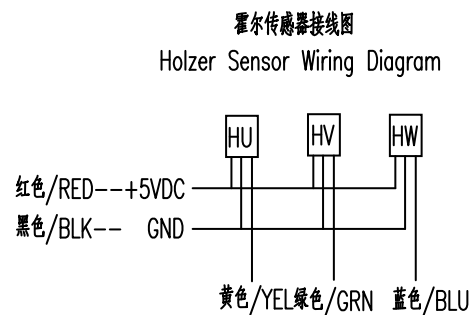
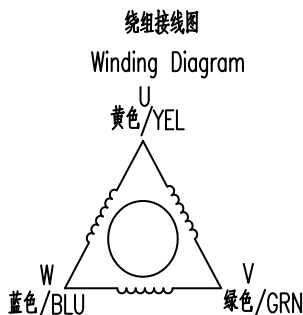
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | | | 2 | | | 3 | | | | | |
|-------|-----------------|----|---|-----|----|----|----|------|----|----|----|----|----|-----|-----|--|
| 减速比 | Reduction Ratio | 3 | 5 | 7.5 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 75 | 90 | 100 | 150 | |
| 长度 L2 | Length(mm) | 32 | | | | | | 43.5 | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



34WSTE (□86mm) 方形直流无刷电机



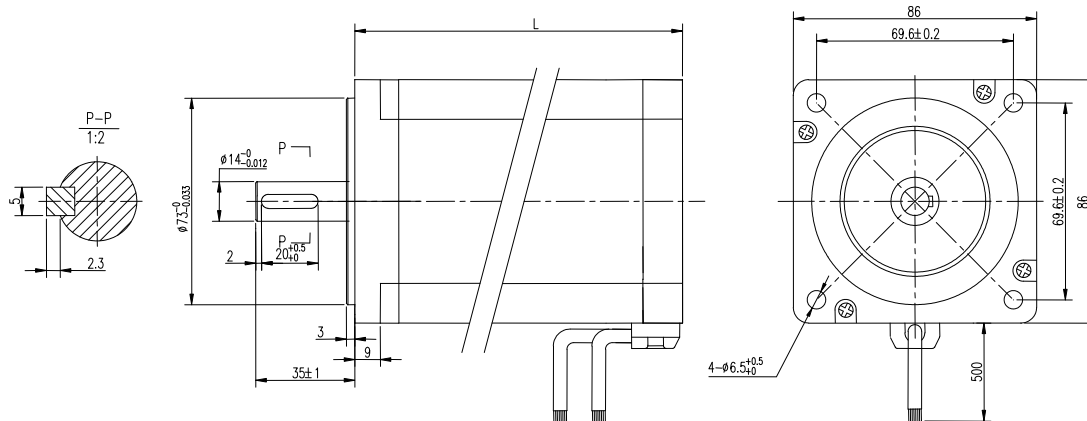
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 34WSTE482230 | 34WSTE2204430 | 34WSTE2206630 |
|-------|------------------------------------|--------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.7 | 1.4 | 2.1 |
| 额定功率 | Rated Power(W) | 220 | 440 | 660 |
| 额定电流 | Rated Current(A) | 5.8 | 1.9 | 2.9 |
| 峰值电流 | Peak Current(A) | 17.4 | 5.7 | 8.7 |
| 峰值转矩 | Peak Torque(N.M) | 2.1 | 4.2 | 6.3 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 1.6 | 2.1 | 2.6 |
| 转矩常数 | Torque Constant(N.m/A) | 0.12 | 0.736 | 0.736 |
| 反电势常数 | Torque Constant(V/krpm) | 12.6 | 77.1 | 77.2 |
| 线间电阻 | Line-Line Resistance(Ω) | 0.6 | 7 | 9 |
| 线间电感 | Line-Line Inductance(mH) | 0.5 | 4 | 6 |
| 机身长度 | Length(mm) | 63.5 | 90.5 | 117.5 |
| 电机重量 | Weight(kg) | 1.8 | 2.5 | 3.8 |

*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

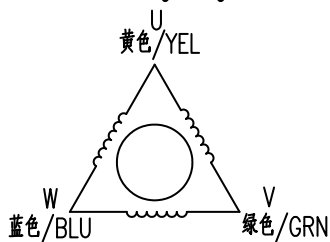
● 电机外形尺寸 Motor Dimension(mm)



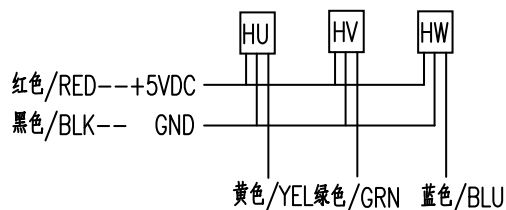
34WSTE-BG90 (□86mm) 方形直流无刷齿轮箱电机



绕组接线图
Winding Diagram



霍尔传感器接线图
Holzer Sensor Wiring Diagram



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 34WSTE481115 | 34WSTE482215 |
|---------|--------------------|--------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 48 | 48 |
| 额定转速 | Rated Speed(Rpm) | 1500 | 1500 |
| 额定转矩 | Rated Torque(N.m) | 0.7 | 1.4 |
| 额定功率 | Rated Power(W) | 110 | 220 |
| 机身长度 L1 | Length(mm) | 68 | 95 |

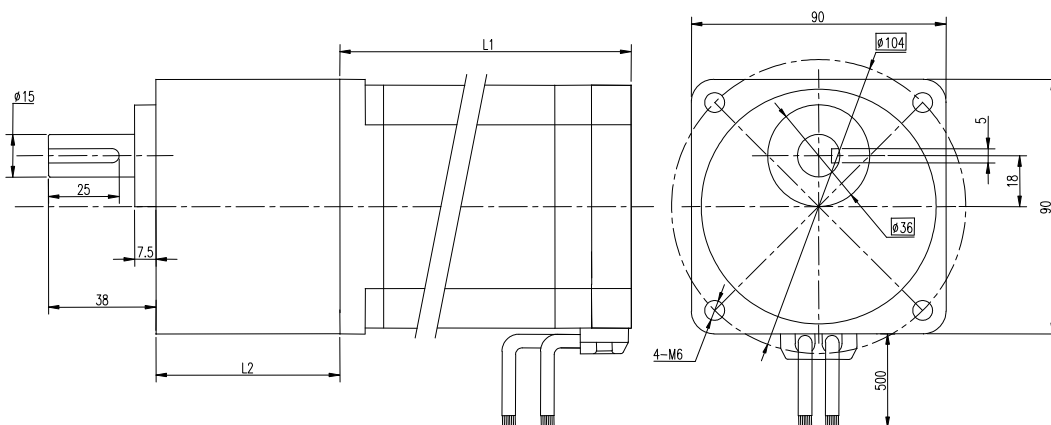
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

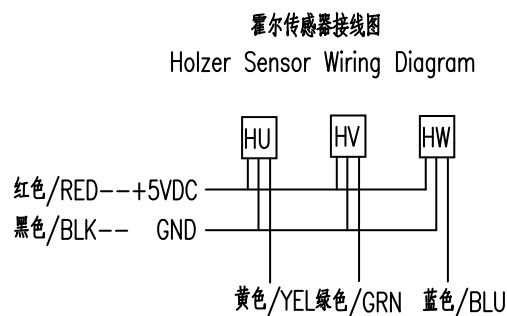
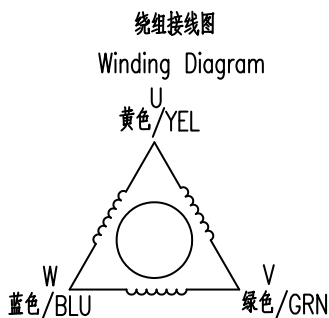
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | | | 2 | | | 3 | | | | | | |
|-------|-----------------|----|---|-----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 减速比 | Reduction Ratio | 3 | 5 | 7.5 | 10 | 15 | 18 | 20 | 30 | 36 | 40 | 50 | 60 | 75 | 90 | 100 | 150 |
| 长度 L2 | Length(mm) | 42 | | | | | | 60 | | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



34WSTE-BG104 (□86mm) 方形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 Motor Model | | 34WSTE481115 | 34WSTE482215 |
|----------------------------|--|--------------|--------------|
| 额定电压 Rated Voltage(VDC) | | 48 | 48 |
| 额定转速 Rated Speed(Rpm) | | 1500 | 1500 |
| 额定转矩 Rated Torque(N.m) | | 0.7 | 1.4 |
| 额定功率 Rated Power(W) | | 110 | 220 |
| 机身长度 L1 Length(mm) | | 68 | 95 |

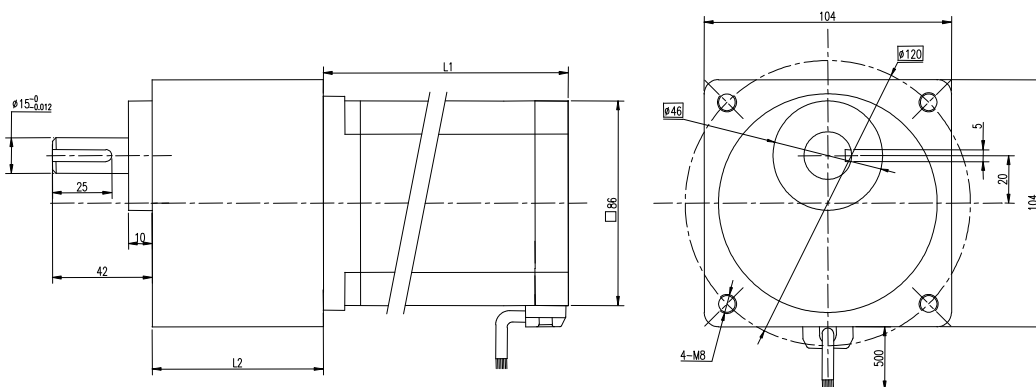
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

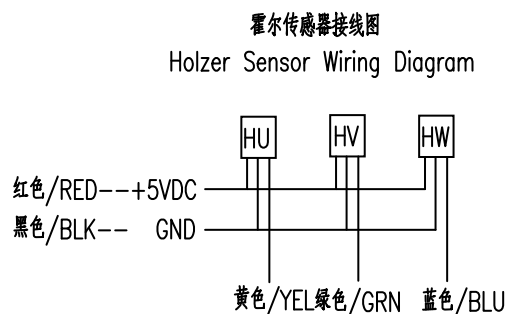
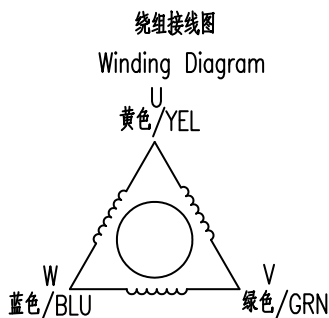
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速比 Reduction Ratio | 1 | | | | 2 | | | 3 | | | | | | | | |
|------------------------|----|---|-----|---|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 减速级数 Reducer Series | 3 | 5 | 7.5 | 9 | 10 | 15 | 18 | 20 | 30 | 40 | 50 | 60 | 75 | 90 | 100 | 150 |
| 长度 L2 Length(mm) | 72 | | | | | | | | | | | | | | | |

● 电机外形尺寸 Motor Dimension(mm)



43MSEE (□110mm) 方形直流无刷电机



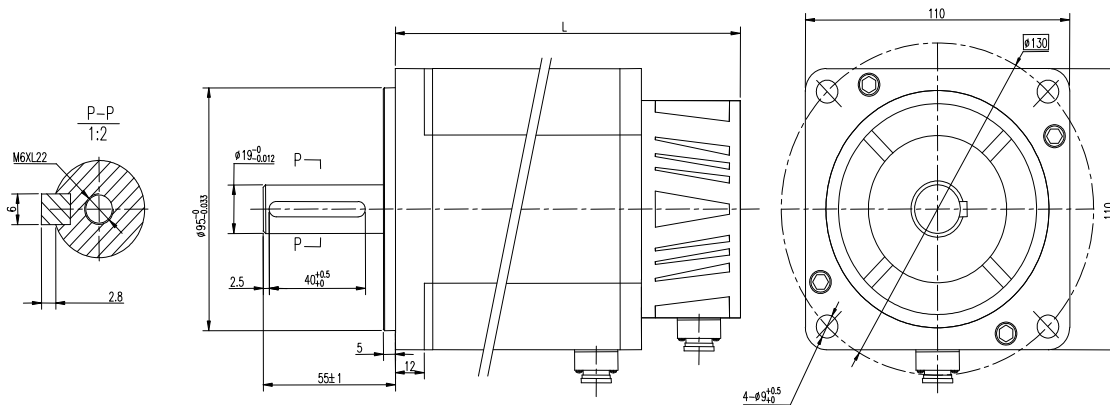
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 43MSEE2206030 | 43MSEE2208020 | 43MSEE22012030 | 43MSEE22012020 | 43MSEE22018030 |
|-------|------------------------------------|---------------|---------------|----------------|----------------|----------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 | 8 | 8 | 8 |
| 额定电压 | Rated Voltage(VAC) | 220 | 220 | 220 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 2000 | 3000 | 2000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 2 | 4 | 4 | 6 | 6 |
| 额定功率 | Rated Power(W) | 600 | 800 | 1200 | 1200 | 1800 |
| 额定电流 | Rated Current(A) | 2.5 | 3.5 | 5 | 4.5 | 6 |
| 峰值电流 | Peak Current(A) | 7.5 | 10.5 | 15 | 13 | 18 |
| 峰值转矩 | Peak Torque(N.M) | 6 | 12 | 12 | 18 | 18 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 3.1 | 5.4 | 5.4 | 7.6 | 7.6 |
| 转矩常数 | Torque Constant(N.m/A) | 0.8 | 1.2 | 0.8 | 1.4 | 1.0 |
| 反电势常数 | Torque Constant(V/krpm) | 56 | 79 | 54 | 82 | 60 |
| 线间电阻 | Line-Line Resistance(Ω) | 3.6 | 2.4 | 1.09 | 1.5 | 0.81 |
| 线间电感 | Line-Line Inductance(mH) | 8.32 | 7.3 | 3.3 | 4.7 | 2.59 |
| 机身长度 | Length(mm) | 148 | 178 | 178 | 208 | 208 |
| 电机重量 | Weight(kg) | 4.5 | 5.5 | 5.5 | 6.7 | 6.7 |

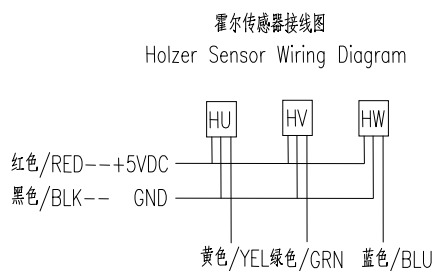
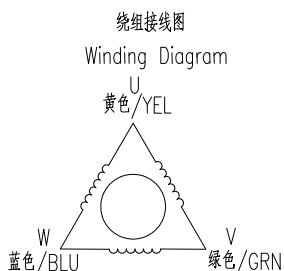
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



17WSSF (□42mm) 高速直流无刷电机



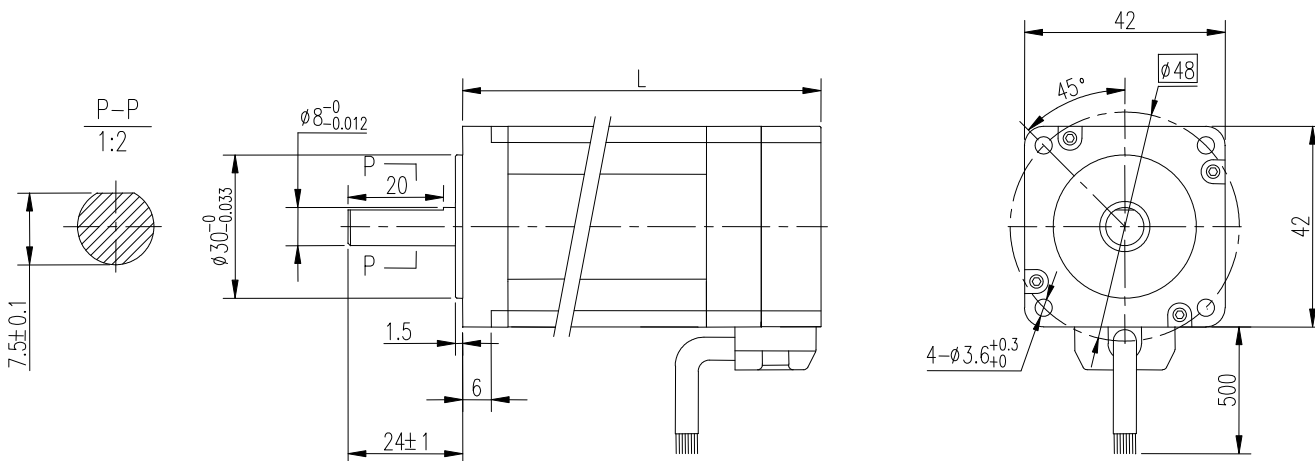
技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 17WSSF243060 | 17WSSF246060 |
|-------|------------------------------------|--------------|--------------|
| 相数 | Number of Phase | 3 | 3 |
| 极数 | Number of Poles | 8 | 8 |
| 额定电压 | Rated Voltage(VDC) | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 6000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.05 | 0.1 |
| 额定功率 | Rated Power(W) | 31 | 63 |
| 额定电流 | Rated Current(A) | 1.8 | 3.6 |
| 峰值电流 | Peak Current(A) | 5.4 | 10.8 |
| 峰值转矩 | Peak Torque(N.M) | 0.15 | 0.3 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.039 | 0.045 |
| 转矩常数 | Torque Constant(N.m/A) | 0.027 | 0.027 |
| 反电势常数 | Torque Constant(V/krpm) | 2.9 | 2.9 |
| 线间电阻 | Line-Line Resistance(Ω) | 1.1 | 0.8 |
| 线间电感 | Line-Line Inductance(mH) | 0.8 | 0.6 |
| 机身长度 | Length(mm) | 60 | 80 |
| 电机重量 | Weight(kg) | 0.4 | 0.9 |

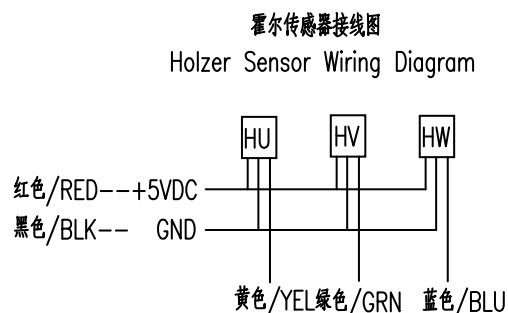
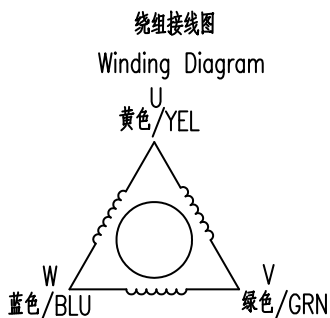
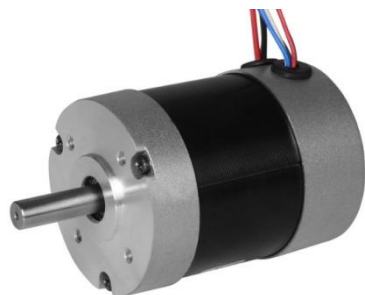
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



57WSSF (O57mm) 高速直流无刷电机



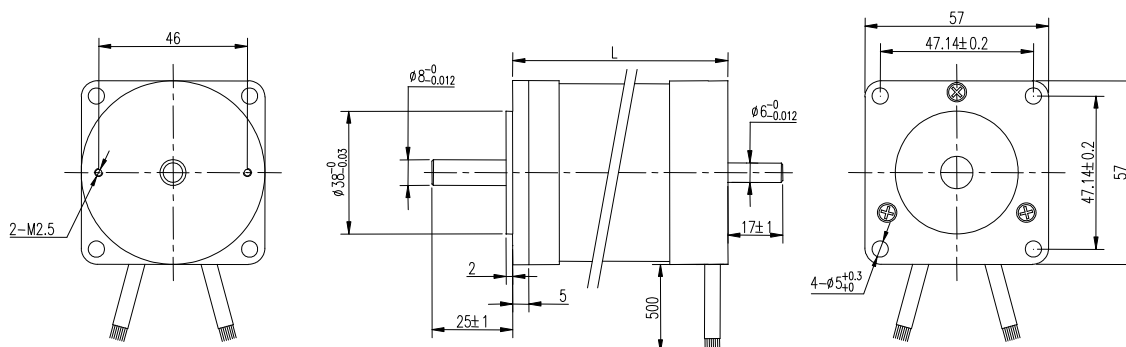
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 57WSSF489040 | 57WSSF489260 | 57WSSF481840 | 57WSSF481860 | 57WSSF482740 | 57WSSF482760 |
|-------|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 4 | 4 | 4 | 4 | 4 | 4 |
| 额定电压 | Rated Voltage(VDC) | 48 | 48 | 48 | 48 | 48 | 48 |
| 额定转速 | Rated Speed(Rpm) | 4000 | 6000 | 4000 | 6000 | 4000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.22 | 0.15 | 0.44 | 0.3 | 0.66 | 0.44 |
| 额定功率 | Rated Power(W) | 92 | 92 | 184 | 184 | 276 | 276 |
| 额定电流 | Rated Current(A) | 2.5 | 2.5 | 5.1 | 5.1 | 7.6 | 7.6 |
| 峰值电流 | Peak Current(A) | 7.7 | 7.7 | 15.3 | 15.3 | 22.8 | 22.8 |
| 峰值转矩 | Peak Torque(N.m) | 0.66 | 0.45 | 1.32 | 0.9 | 1.98 | 1.32 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 1.19 | 1.19 | 1.73 | 1.73 | 1.73 | 0.23 |
| 转矩常数 | Torque Constant(N.m/A) | 0.08 | 0.06 | 0.08 | 0.063 | 0.08 | 0.063 |
| 反电势常数 | Torque Constant(V/krpm) | 9.2 | 6.6 | 9.2 | 6.6 | 9.2 | 6.6 |
| 线间电阻 | Line-Line Resistance(Ω) | 0.75 | 0.64 | 0.55 | 0.45 | 0.41 | 0.33 |
| 线间电感 | Line-Line Inductance(mH) | 2.2 | 2 | 2.1 | 1.5 | 1.1 | 0.95 |
| 机身长度 | Length(mm) | 55 | 55 | 75 | 75 | 95 | 95 |
| 电机重量 | Weight(Kg) | 0.72 | 0.72 | 0.95 | 0.95 | 1.2 | 1.2 |

*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

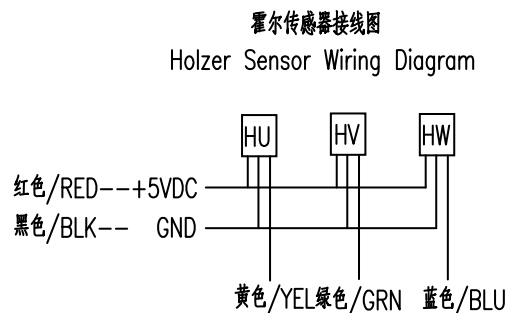
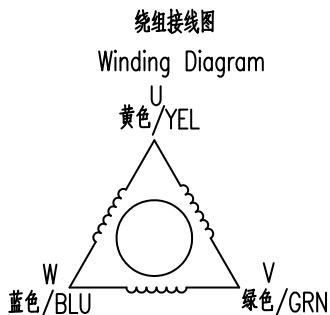
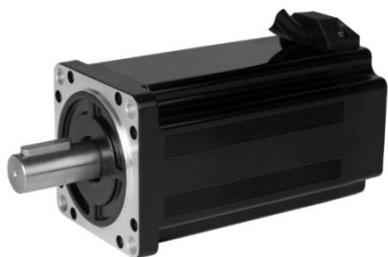
● 电机外形尺寸 Motor Dimension(mm)



备注:

1. 图片为圆形安装方式,
2. 图纸为方形安装方式, 有两种安装方式!

24SSSF (□60mm) 高速直流无刷电机



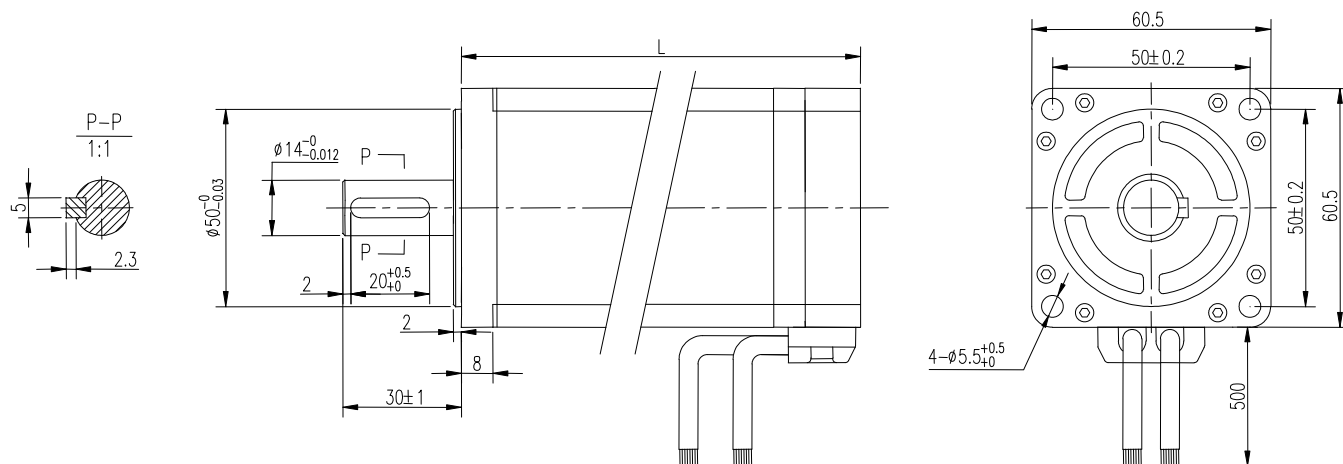
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 24SSSF2202060 | 24SSSF2202080 | 24SSSF2204060 | 24SSSF2204080 |
|-------|------------------------------------|---------------|---------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 4 | 4 | 4 | 4 |
| 额定电压 | Rated Voltage(VDC/VAC) | 220 | 220 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 6000 | 8000 | 6000 | 8000 |
| 额定转矩 | Rated Torque(N.m) | 0.32 | 0.23 | 0.64 | 0.47 |
| 额定功率 | Rated Power(W) | 200 | 200 | 400 | 400 |
| 额定电流 | Rated Current(A) | 1.5 | 1.5 | 3.0 | 3.0 |
| 峰值电流 | Peak Current(A) | 4.5 | 4.5 | 9.0 | 9.0 |
| 峰值转矩 | Peak Torque(N.M) | 0.96 | 0.69 | 1.92 | 1.41 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.75 | 0.75 | 0.95 | 0.95 |
| 转矩常数 | Torque Constant(N.m/A) | 0.22 | 0.16 | 0.22 | 0.16 |
| 反电势常数 | Torque Constant(V/krpm) | 23 | 16.7 | 23 | 16.7 |
| 线间电阻 | Line-Line Resistance(Ω) | 10 | 8 | 6 | 4 |
| 线间电感 | Line-Line Inductance(mH) | 11 | 9 | 7 | 5 |
| 机身长度 | Length(mm) | 93 | 93 | 129 | 129 |
| 电机重量 | Weight(kg) | 0.9 | 0.9 | 1.4 | 1.4 |

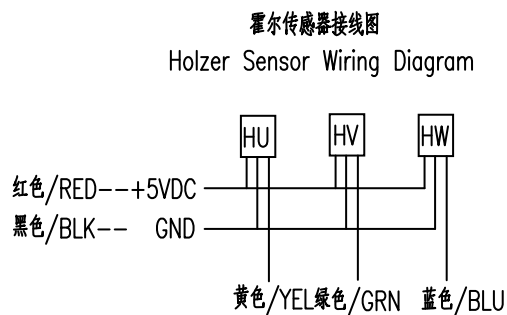
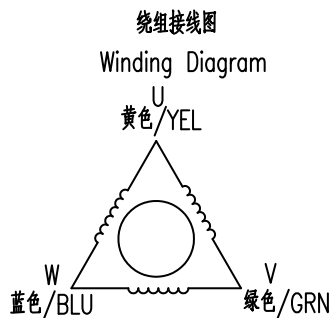
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



32SSSF (□80mm) 高速直流无刷电机



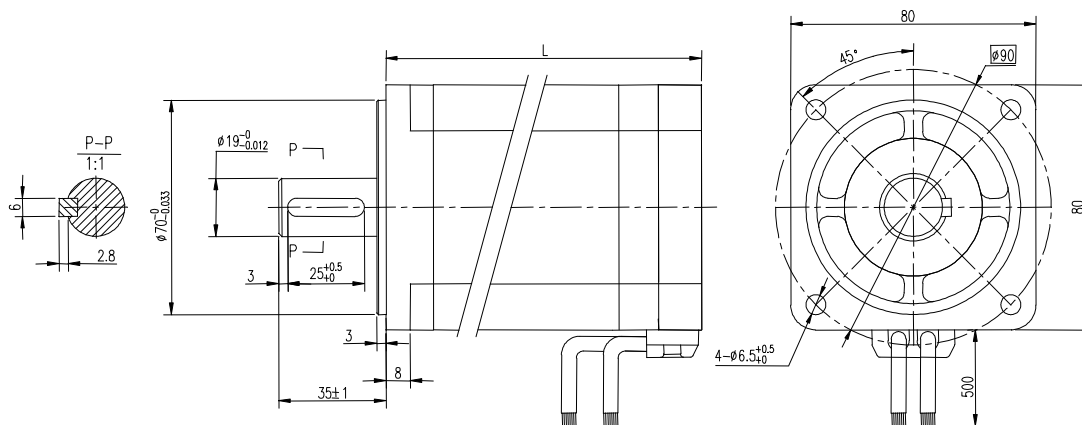
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 32SSSF2205060 | 32SSSF2205080 | 32SSSF2208060 | 32SSSF2208080 |
|-------|------------------------------------|---------------|---------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 4 | 4 | 4 | 4 |
| 额定电压 | Rated Voltage(VDC/VAC) | 220 | 220 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 6000 | 8000 | 6000 | 8000 |
| 额定转矩 | Rated Torque(N.m) | 0.8 | 0.6 | 1.27 | 0.96 |
| 额定功率 | Rated Power(W) | 500 | 500 | 800 | 800 |
| 额定电流 | Rated Current(A) | 3.5 | 3.5 | 5.6 | 5.6 |
| 峰值电流 | Peak Current(A) | 10.5 | 10.5 | 16.8 | 16.8 |
| 峰值转矩 | Peak Torque(N.M) | 2.4 | 1.8 | 3.81 | 2.88 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 1.6 | 1.6 | 2.1 | 2.1 |
| 转矩常数 | Torque Constant(N.m/A) | 0.228 | 0.171 | 0.226 | 0.17 |
| 反电势常数 | Torque Constant(V/krpm) | 23.9 | 17.9 | 23.6 | 17.5 |
| 线间电阻 | Line-Line Resistance(Ω) | 3 | 3 | 2.2 | 2.2 |
| 线间电感 | Line-Line Inductance(mH) | 6 | 6 | 9 | 9 |
| 机身长度 | Length(mm) | 120 | 120 | 147 | 147 |
| 电机重量 | Weight(kg) | 2.2 | 2.2 | 3.2 | 3.2 |

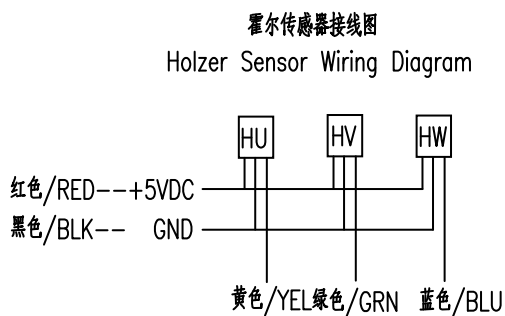
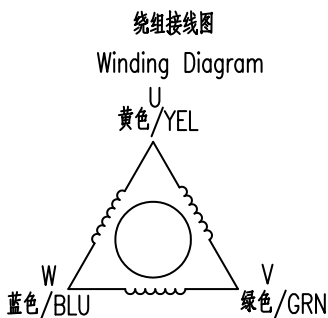
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



32BLSF/32BLSE (O32mm) 圆形直流无刷电机



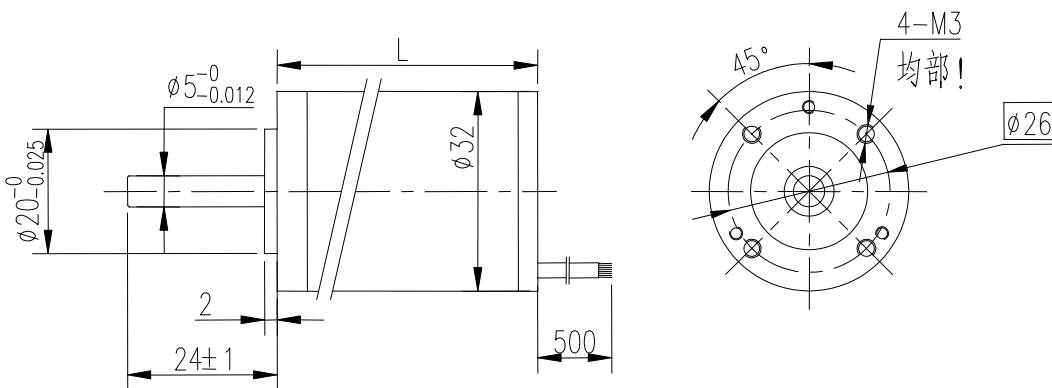
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 32BLSE24063 | 32BLSF24066 | 32BLSE24123 | 32BLSF24126 | 32BLSE24183 | 32BLSF24186 |
|-------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 相数 | Number of Phase | 0 | 0 | 0 | 0 | 0 | 0 |
| 极数 | Number of Poles | 3 | 3 | 3 | 3 | 3 | 3 |
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 6000 | 3000 | 6000 | 3000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.02 | 0.01 | 0.04 | 0.02 | 0.06 | 0.03 |
| 额定功率 | Rated Power(W) | 6 | 6 | 12 | 12 | 18 | 18 |
| 额定电流 | Rated Current(A) | 0.38 | 0.38 | 0.76 | 0.76 | 1.14 | 1.14 |
| 峰值电流 | Peak Current(A) | 1.14 | 1.14 | 2.28 | 2.28 | 3.42 | 3.42 |
| 峰值转矩 | Peak Torque(N.M) | 0.06 | 0.03 | 0.12 | 0.06 | 0.18 | 0.09 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.05 | 0.05 | 0.25 | 0.25 | 0.45 | 0.45 |
| 转矩常数 | Torque Constant(N.m/A) | 0.052 | 0.008 | 0.052 | 0.008 | 0.052 | 0.008 |
| 反电势常数 | Torque Constant(V/krpm) | 5.51 | 0.83 | 5.51 | 0.83 | 5.51 | 0.83 |
| 线间电阻 | Line-Line Resistance(Ω) | 7 | 3.5 | 5 | 2.5 | 4 | 2 |
| 线间电感 | Line-Line Inductance(mH) | 5 | 2.5 | 3 | 1.8 | 2 | 1.1 |
| 机身长度 | Length(mm) | 54.5 | 54.5 | 74.5 | 74.5 | 94.5 | 94.5 |
| 电机重量 | Weight(kg) | 0.18 | 0.18 | 0.38 | 0.38 | 0.58 | 0.58 |

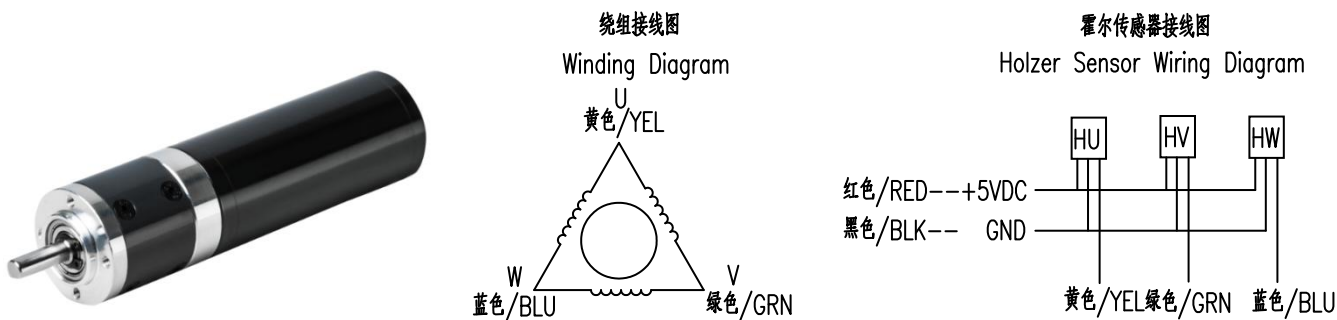
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



32BLSE-IG (O32mm) 圆形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 32BLSE240630 | 32BLSE241230 | 32BLSE241830 |
|---------|--------------------|--------------|--------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.02 | 0.04 | 0.06 |
| 额定功率 | Rated Power(W) | 6 | 12 | 18 |
| 机身长度 L1 | Length(mm) | 58 | 78 | 98 |

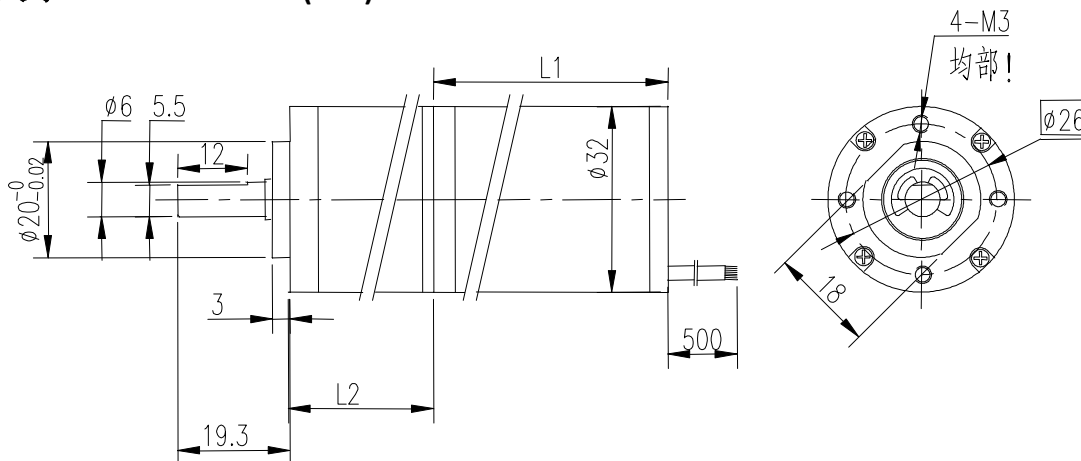
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

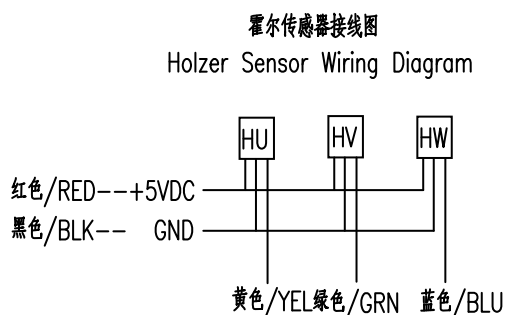
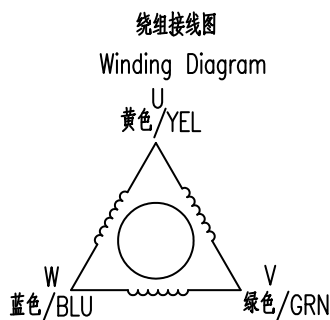
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | 2 | | | 3 | | | 4 | |
|--------|-------------------------|--------|---|--------|----|----|--------|----|-----|--------|-----|
| 传动效率 | Transmission efficiency | 80% | | 70% | | | 60% | | | 50% | |
| 最大径向负载 | Max radial load | 35N | | 35N | | | 35N | | | 35N | |
| 最大轴向负载 | Max axial load | 25N | | 25N | | | 25N | | | 25N | |
| 额定承受扭矩 | Transmission torque | 0.2N.m | | 0.4N.m | | | 0.8N.m | | | 1.2N.m | |
| 减速比 | Reduction Ratio | 4 | 5 | 14 | 27 | 35 | 51 | 71 | 100 | 189 | 516 |
| 长度 L2 | Length(mm) | 20.6 | | 27 | | | 33.4 | | | 39.8 | |

● 电机外形尺寸 Motor Dimension(mm)



42BSSF/42BSSE (∅42mm) 圆形直流无刷电机



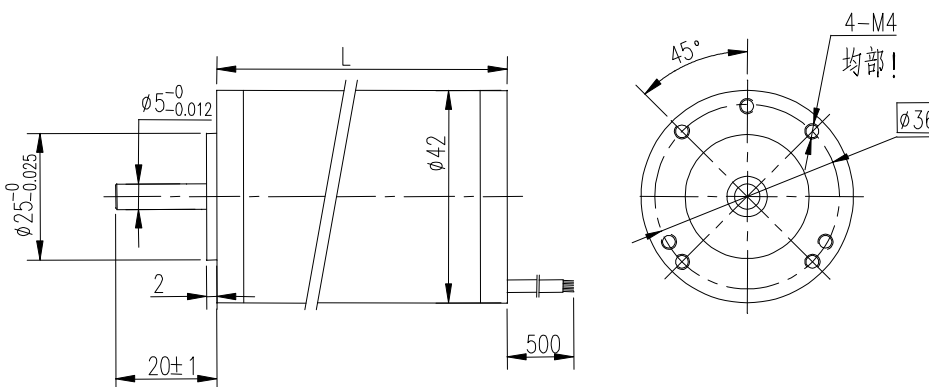
● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 42BSSE242830 | 42BSSF242860 | 42BSSE245630 | 42BSSF245660 | 42BSSE248430 | 42BSSF2484660 |
|-------|------------------------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 4 | 8 | 4 | 8 | 4 |
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 6000 | 3000 | 6000 | 3000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.09 | 0.045 | 0.18 | 0.09 | 0.27 | 0.135 |
| 额定功率 | Rated Power(W) | 28 | 28 | 56 | 56 | 84 | 84 |
| 额定电流 | Rated Current(A) | 1.7 | 1.7 | 3.4 | 3.4 | 5.4 | 5.4 |
| 峰值电流 | Peak Current(A) | 5.1 | 5.1 | 10.2 | 10.2 | 16 | 16 |
| 峰值转矩 | Peak Torque(N.M) | 0.27 | 0.135 | 0.54 | 0.27 | 0.81 | 0.405 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.25 | 0.25 | 0.35 | 0.35 | 0.45 | 0.45 |
| 转矩常数 | Torque Constant(N.m/A) | 0.05 | 0.026 | 0.05 | 0.026 | 0.05 | 0.026 |
| 反电势常数 | Torque Constant(V/krpm) | 5.23 | 2.77 | 5.23 | 2.77 | 5.23 | 2.77 |
| 线间电阻 | Line-Line Resistance(Ω) | 6 | 3 | 4 | 2 | 3 | 1.5 |
| 线间电感 | Line-Line Inductance(mH) | 4 | 2 | 3 | 1.5 | 2 | 1 |
| 机身长度 | Length(mm) | 52 | 52 | 72 | 72 | 92 | 92 |
| 电机重量 | Weight(kg) | 0.28 | 0.28 | 0.48 | 0.48 | 0.68 | 0.68 |

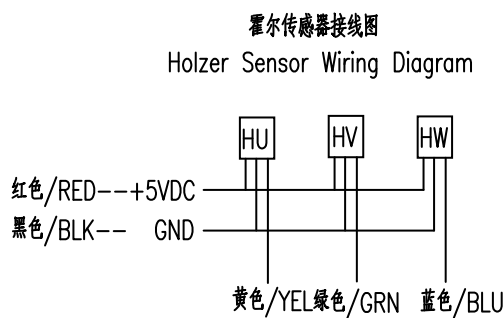
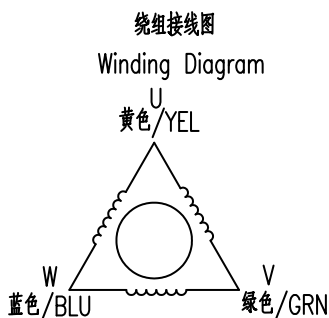
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



42BSSE-IG (O42mm) 圆形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 42BSSE242830 | 42BLSE245630 | 42BLSE248430 |
|---------|--------------------|--------------|--------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.09 | 0.18 | 0.27 |
| 额定功率 | Rated Power(W) | 28 | 56 | 84 |
| 机身长度 L1 | Length(mm) | 60 | 80 | 100 |

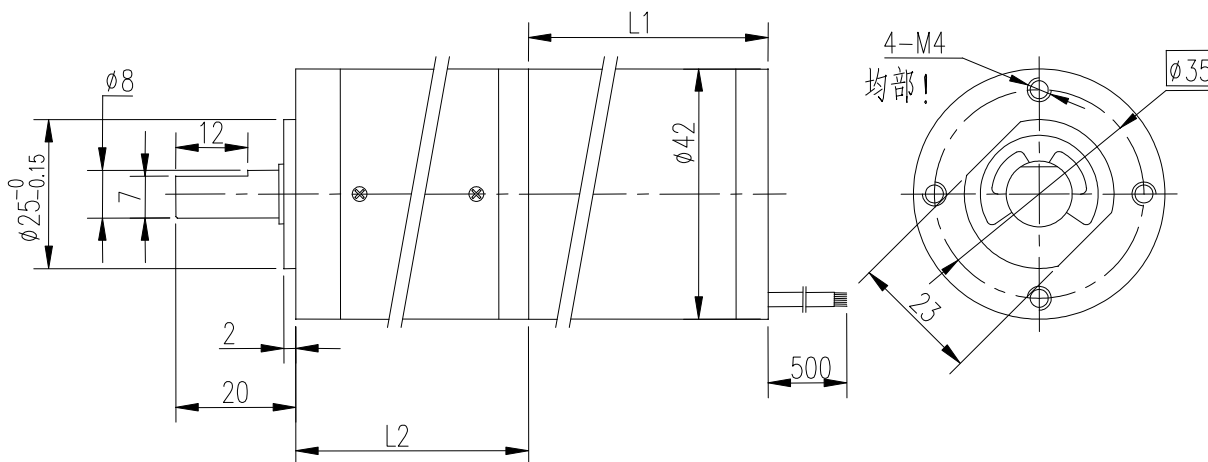
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

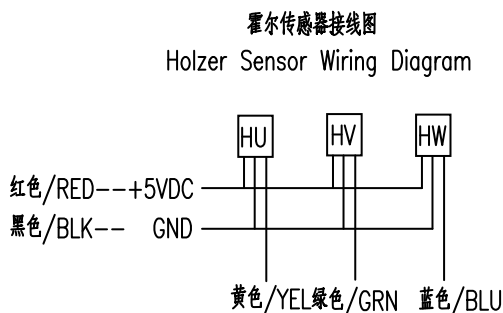
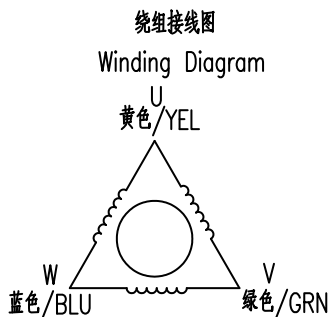
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | 2 | | | 3 | | 4 | |
|--------|-------------------------|--------|--------|----|----|--------|-----|--------|-----|
| 传动效率 | Transmission efficiency | 80% | 70% | | | 60% | | 50% | |
| 最大径向负载 | Max radial load | 80N | 80N | | | 80N | | 80N | |
| 最大轴向负载 | Max axial load | 30N | 30N | | | 30N | | 30N | |
| 额定承受扭矩 | Transmission torque | 0.3N.m | 0.8N.m | | | 1.8N.m | | 2.5N.m | |
| 减速比 | Reduction Ratio | 4 | 14 | 17 | 24 | 49 | 104 | 212 | 720 |
| 长度 L2 | Length(mm) | 32.5 | 39.2 | | | 45.9 | | 52.6 | |

● 电机外形尺寸 Motor Dimension(mm)



52BSSF/52BSSE (O52mm) 圆形直流无刷电机



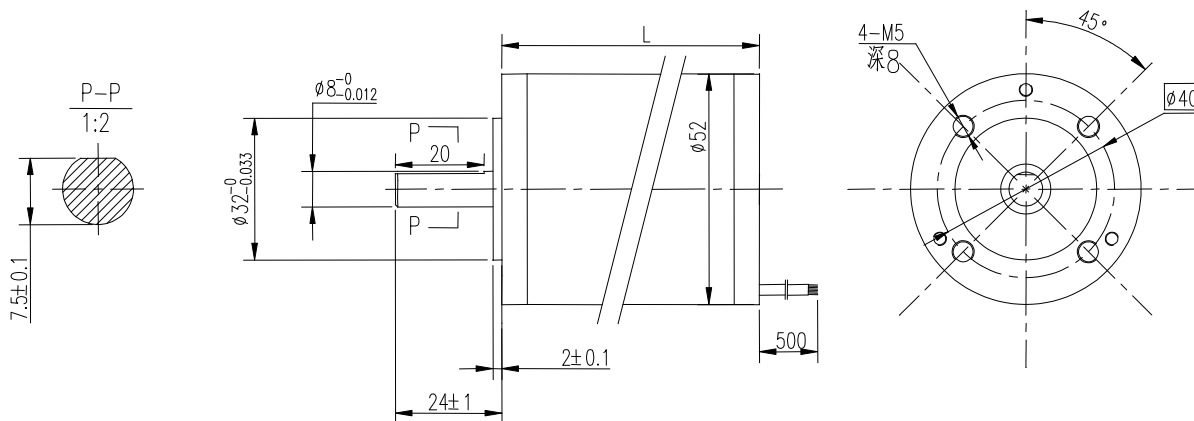
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 52BSSE243030 | 52BSSF243060 | 52BSSE246030 | 52BSSF246060 | 52BLSE249030 | 52BSSF249060 |
|-------|------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 4 | 8 | 4 | 8 | 4 |
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 6000 | 3000 | 6000 | 3000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.1 | 0.05 | 0.2 | 0.1 | 0.3 | 0.15 |
| 额定功率 | Rated Power(W) | 31 | 31 | 63 | 63 | 94 | 94 |
| 额定电流 | Rated Current(A) | 1.8 | 1.8 | 3.6 | 3.6 | 5.4 | 5.4 |
| 峰值电流 | Peak Current(A) | 5.4 | 5.4 | 10.8 | 10.8 | 16 | 16 |
| 峰值转矩 | Peak Torque(N.M) | 0.3 | 0.15 | 0.6 | 0.3 | 0.9 | 0.45 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.55 | 0.55 | 0.75 | 0.75 | 0.95 | 0.95 |
| 转矩常数 | Torque Constant(N.m/A) | 0.055 | 0.027 | 0.055 | 0.027 | 0.055 | 0.027 |
| 反电势常数 | Torque Constant(V/krpm) | 5.82 | 2.9 | 5.81 | 2.9 | 5.81 | 2.8 |
| 线间电阻 | Line-Line Resistance(Ω) | 3 | 1.5 | 1.5 | 0.8 | 0.6 | 0.3 |
| 线间电感 | Line-Line Inductance(mH) | 2.5 | 1.3 | 1.3 | 0.6 | 0.65 | 0.32 |
| 机身长度 | Length(mm) | 58.5 | 58.5 | 78.5 | 78.5 | 98.5 | 98.5 |
| 电机重量 | Weight(kg) | 0.38 | 0.38 | 0.88 | 0.88 | 1.37 | 1.37 |

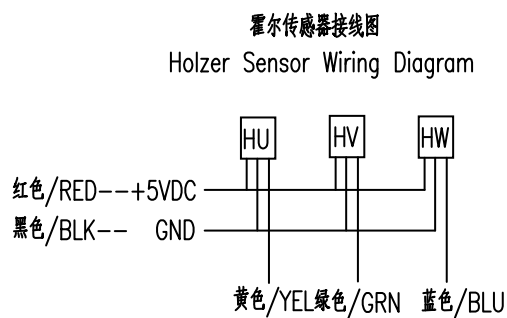
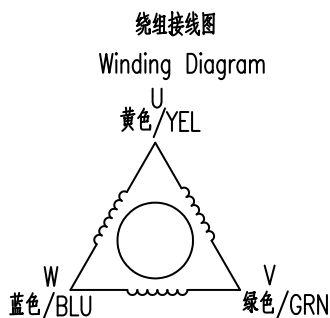
*以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



52BSSE-PN (O52mm) 圆形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 52BSSE243030 | 52BSSE246030 | 52BSSE249030 |
|---------|--------------------|--------------|--------------|--------------|
| 额定电压 | Rated Voltage(VDC) | 24 | 24 | 24 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.1 | 0.2 | 0.3 |
| 额定功率 | Rated Power(W) | 31 | 63 | 94 |
| 机身长度 L1 | Length(mm) | 64 | 84 | 104 |

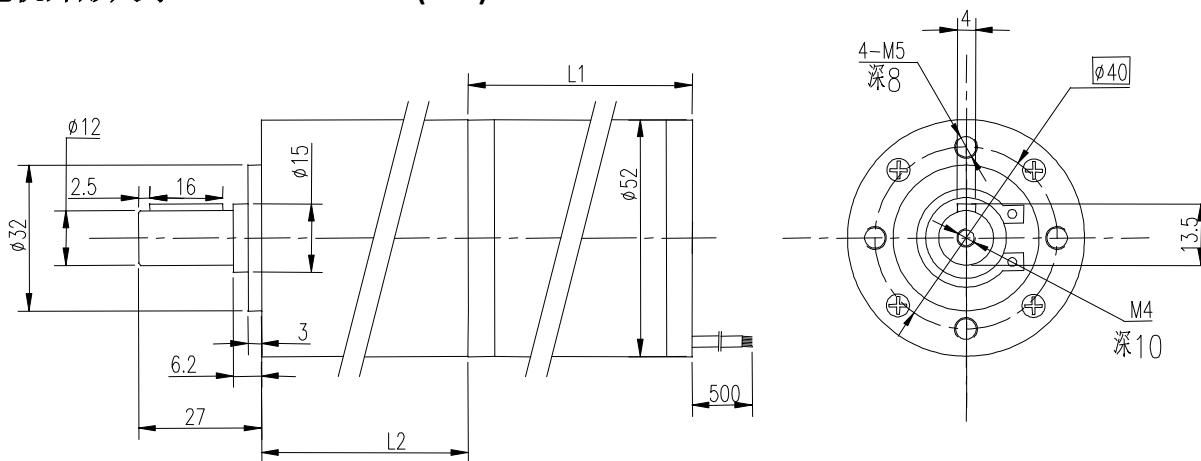
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

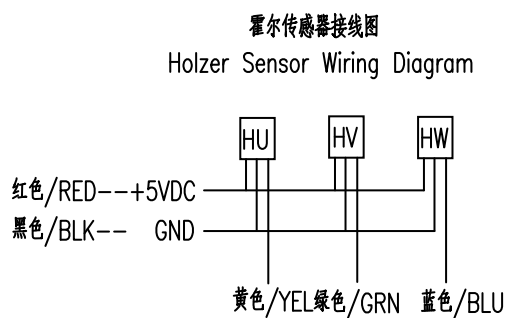
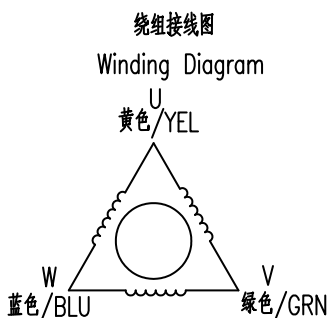
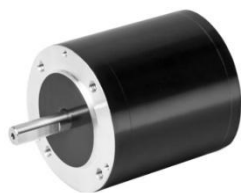
● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | 2 | | 3 | |
|--------|-------------------------|------|------|------|------|-------|------|-------|-------|
| 传动效率 | Transmission efficiency | 90% | | | | 81% | | 73% | |
| 最大径向负载 | Max radial load | 450N | | | | 450N | | 450N | |
| 最大轴向负载 | Max axial load | 150N | | | | 150N | | 150N | |
| 额定承受扭矩 | Transmission torque | 4N.m | | | | 12N.m | | 25N.m | |
| 减速比 | Reduction Ratio | 3.65 | 5.36 | 6.55 | 8.63 | 13.5 | 58.2 | 102.8 | 127.7 |
| 长度 L2 | Length(mm) | 38.6 | | | | 54.2 | | 69.8 | |

● 电机外形尺寸 Motor Dimension(mm)



62BSTE/62SSSF (O62mm) 圆形直流无刷电机



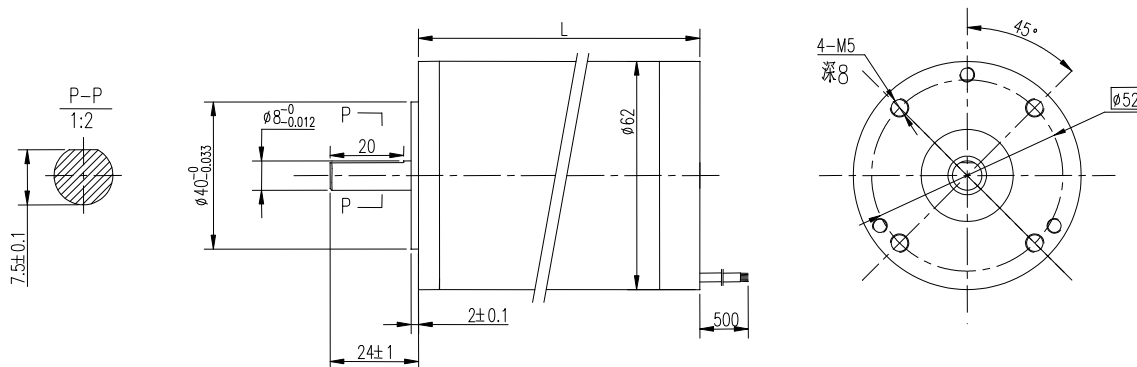
● 技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 62BSTE481230 | 62SSSF2202060 | 62BSTE482530 | 62SSSF2204060 |
|-------|------------------------------------|--------------|---------------|--------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 4 | 8 | 4 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 220 | 48 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 6000 | 3000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.4 | 0.32 | 0.8 | 0.64 |
| 额定功率 | Rated Power(W) | 125 | 200 | 250 | 400 |
| 额定电流 | Rated Current(A) | 4 | 1.5 | 7.5 | 3.0 |
| 峰值电流 | Peak Current(A) | 12 | 4.5 | 22.5 | 9.0 |
| 峰值转矩 | Peak Torque(N.M) | 1.2 | 0.96 | 2.4 | 1.92 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 0.75 | 0.75 | 0.95 | 0.95 |
| 转矩常数 | Torque Constant(N.m/A) | 0.1 | 0.22 | 0.107 | 0.22 |
| 反电势常数 | Torque Constant(V/krpm) | 10.47 | 23 | 11.17 | 23 |
| 线间电阻 | Line-Line Resistance(Ω) | 1.5 | 10 | 0.6 | 6 |
| 线间电感 | Line-Line Inductance(mH) | 1.3 | 11 | 0.65 | 7 |
| 机身长度 | Length(mm) | 68 | 87 | 98 | 123 |
| 电机重量 | Weight(kg) | 0.88 | 0.9 | 1.37 | 1.4 |

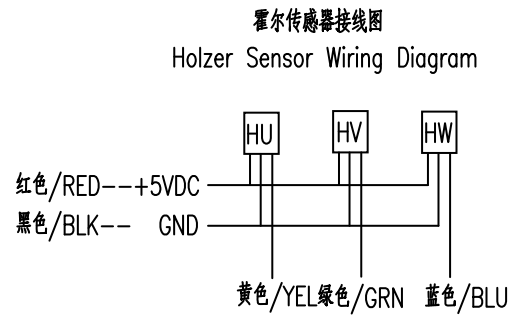
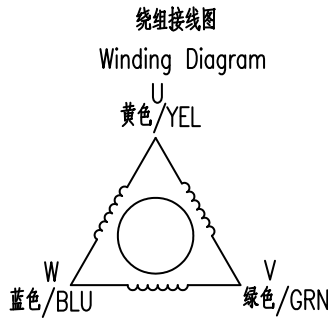
*以上仅为代表性，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



62BSTE-PN (∅62mm) 圆形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 62BSTE481230 | 62BSTE482530 |
|---------|------------------------|--------------|--------------|
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 48 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.4 | 0.8 |
| 额定功率 | Rated Power(W) | 125 | 250 |
| 机身长度 L1 | Length(mm) | 71 | 101 |

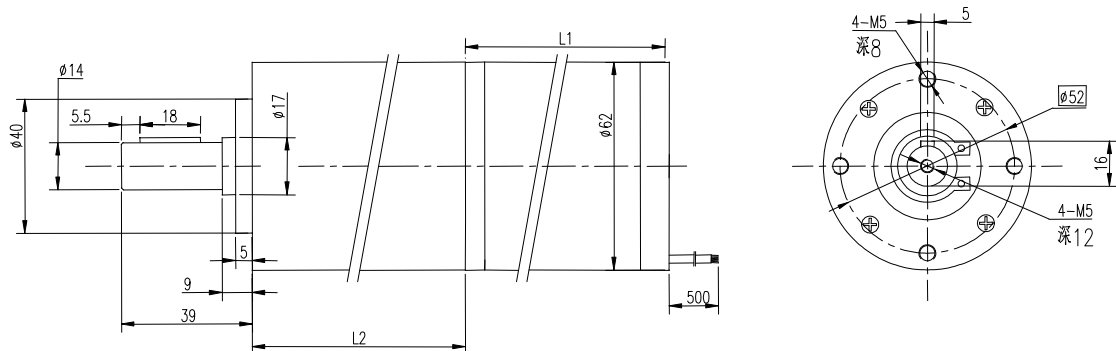
*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | 2 | | 3 | |
|--------|-------------------------|------|------|------|------|-------|------|-------|-------|
| 传动效率 | Transmission efficiency | 90% | | | | 81% | | 73% | |
| 最大径向负载 | Max radial load | 520N | | | | 520N | | 520N | |
| 最大轴向负载 | Max axial load | 150N | | | | 150N | | 150N | |
| 额定承受扭矩 | Transmission torque | 8N.m | | | | 25N.m | | 50N.m | |
| 减速比 | Reduction Ratio | 3.65 | 5.36 | 6.55 | 8.63 | 13.53 | 44.7 | 67.1 | 102.8 |
| 长度 L2 | Length(mm) | 45.1 | | | | 62.7 | | 80.3 | |

● 电机外形尺寸 Motor Dimension(mm)

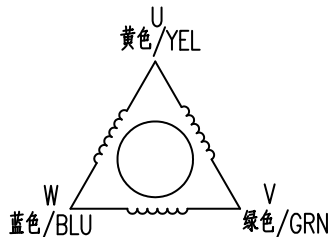


82BSTE/82SSSF (Ø82mm) 圆形直流无刷电机



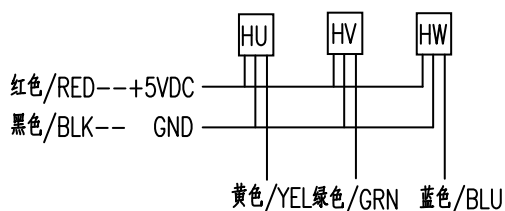
绕组接线图

Winding Diagram



霍尔传感器接线图

Holzer Sensor Wiring Diagram



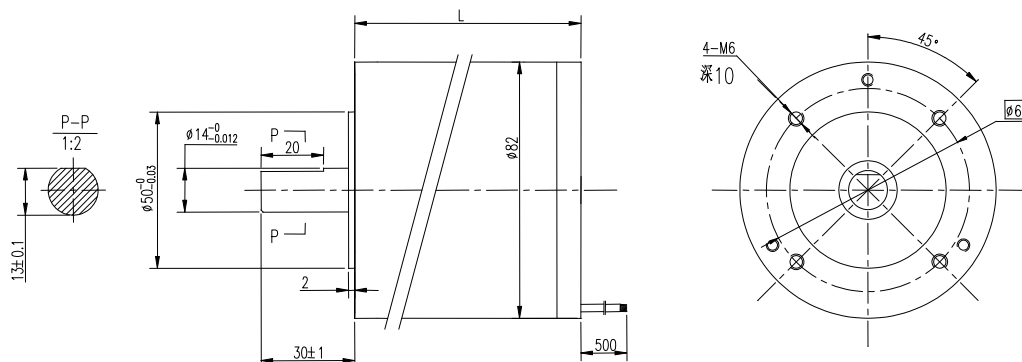
● 电机技术数据 (Electrical Specifications)

| 电机型号 | Motor Model | 82BSTE481830 | 82SSSF2205060 | 82SSSF2208060 |
|-------|------------------------------------|--------------|---------------|---------------|
| 相数 | Number of Phase | 3 | 3 | 3 |
| 极数 | Number of Poles | 8 | 4 | 4 |
| 额定电压 | Rated Voltage(VDC/VAC) | 48 | 220 | 220 |
| 额定转速 | Rated Speed(Rpm) | 3000 | 6000 | 6000 |
| 额定转矩 | Rated Torque(N.m) | 0.6 | 0.8 | 1.27 |
| 额定功率 | Rated Power(W) | 188 | 500 | 800 |
| 额定电流 | Rated Current(A) | 5.0 | 3.5 | 5.6 |
| 峰值电流 | Peak Current(A) | 15.0 | 10.5 | 16.8 |
| 峰值转矩 | Peak Torque(N.M) | 1.8 | 2.4 | 3.81 |
| 转子惯量 | Rotor Inertia(kg.cm ²) | 1.2 | 1.6 | 2.1 |
| 转矩常数 | Torque Constant(N.m/A) | 0.12 | 0.228 | 0.226 |
| 反电势常数 | Torque Constant(V/krpm) | 12.564 | 23.9 | 23.6 |
| 线间电阻 | Line-Line Resistance(Ω) | 0.5 | 3 | 2.2 |
| 线间电感 | Line-Line Inductance(mH) | 0.4 | 6 | 9 |
| 机身长度 | Length(mm) | 68 | 108 | 135 |
| 电机重量 | Weight(kg) | 1.86 | 2.2 | 3.2 |

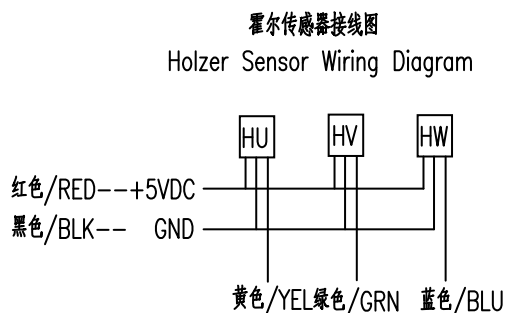
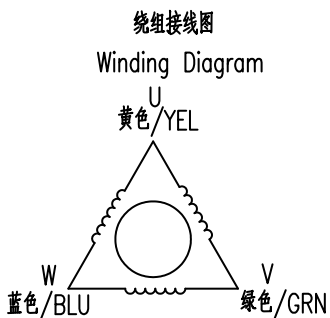
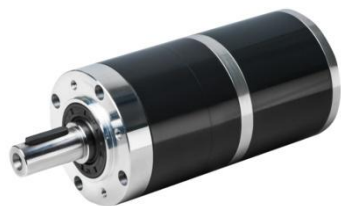
以上仅为代表性产品，派生产产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 电机外形尺寸 Motor Dimension(mm)



82BSTE-PN (Ø82mm) 圆形直流无刷齿轮箱电机



● 电机技术数据 (Motor Electrical Specifications)

| 电机型号 | Motor Model | 82BSTE481830 |
|---------|------------------------|--------------|
| 额定电压 | Rated Voltage(VDC/VAC) | 48 |
| 额定转速 | Rated Speed(Rpm) | 3000 |
| 额定转矩 | Rated Torque(N.m) | 0.6 |
| 额定功率 | Rated Power(W) | 188 |
| 机身长度 L1 | Length(mm) | 75 |

*以上仅为代表性产品，派生产品可根据客户要求制作

*Note: We can manufacture products according to customer's requirements.

● 齿轮箱技术数据 (Gearbox Electrical Specifications)

| 减速级数 | Reducer Series | 1 | | | | 2 | | 3 | |
|--------|-------------------------|-------|------|------|------|-------|------|--------|-------|
| 传动效率 | Transmission efficiency | 90% | | | | 81% | | 73% | |
| 最大径向负载 | Max radial load | 1000N | | | | 1000N | | 1000N | |
| 最大轴向负载 | Max axial load | 200N | | | | 200N | | 200N | |
| 额定承受扭矩 | Transmission torque | 20N.m | | | | 60N.m | | 120N.m | |
| 减速比 | Reduction Ratio | 3.65 | 5.36 | 6.55 | 8.63 | 13.53 | 58.2 | 102.8 | 145.4 |
| 长度 L2 | Length(mm) | 58.3 | | | | 80.5 | | 103.2 | |

● 电机外形尺寸 Motor Dimension(mm)

