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LINEAR ACTUATORS

HYBRID & PERMANENT STEPPING MOTOR



CHINA / 1ST PRINT / 22th / OCT / 2014



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For details, please contact our sales team.

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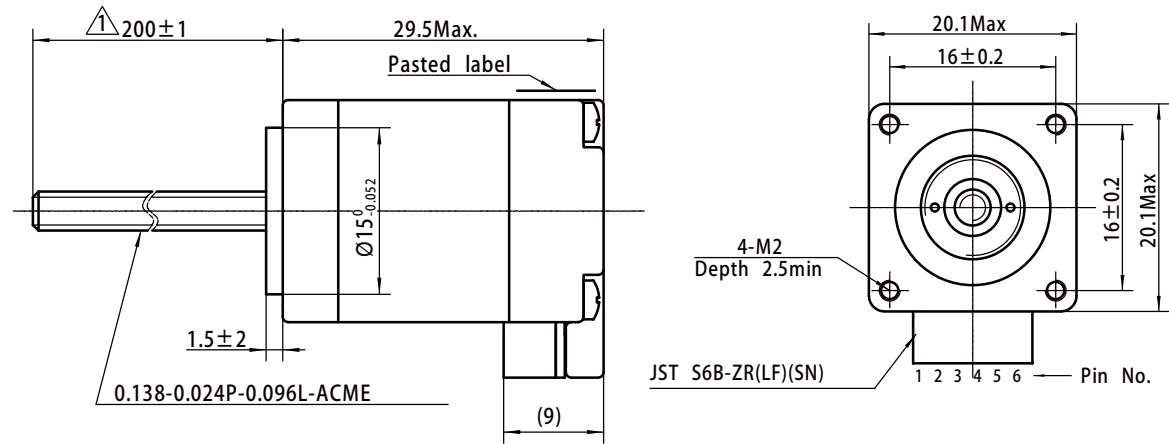
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HYBRID LINEAR

NEMA 8 2-phase DC 1.8 ° -LE08HY series

EXTERNAL

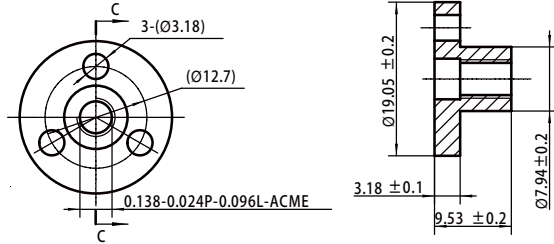
Dimensions (unit:mm)



Electrical Specification

phase	2
Rated voltage	4.5v DC
Rated current	0.5Amp
Phase resistance	9 ohm
Phase inductance	2mH
Rotor inertia	2g.cm ²
Weight	0.05kg
Insulation class	B(130° C)

Nut

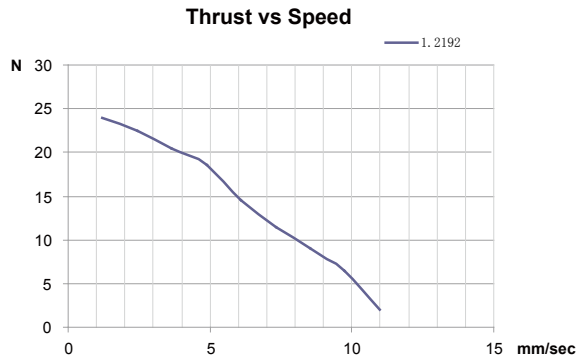
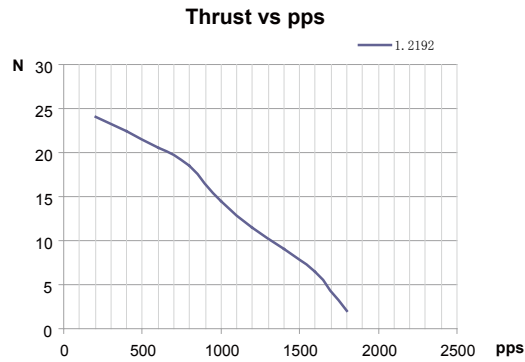


Spindle Specification

Lead(mm)	precision(mm)/step
1.2192	0.006096

Thrust Curve

Voltage:24v
Current:0.5amp

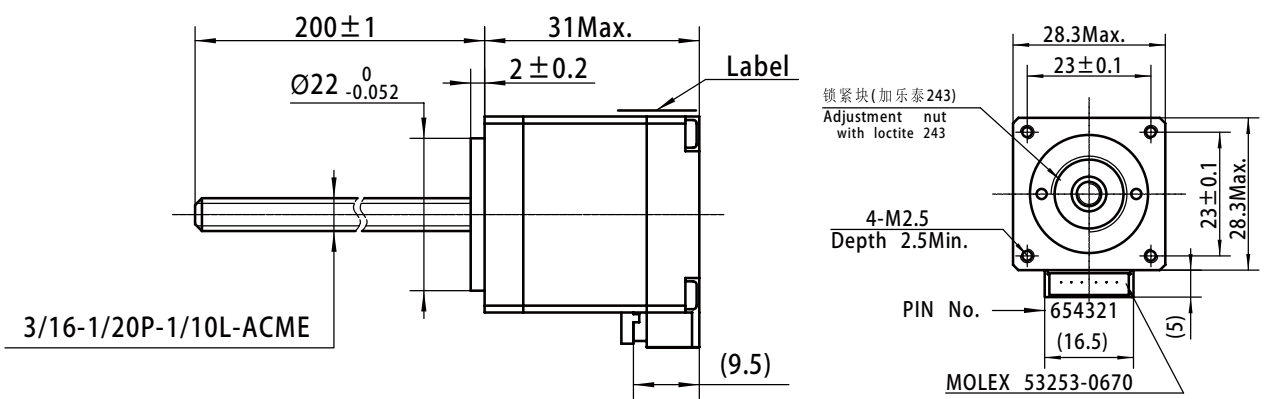


HYBRID LINEAR

NEMA 11 2-phase DC 1.8 ° -LE11HS series

EXTERNAL

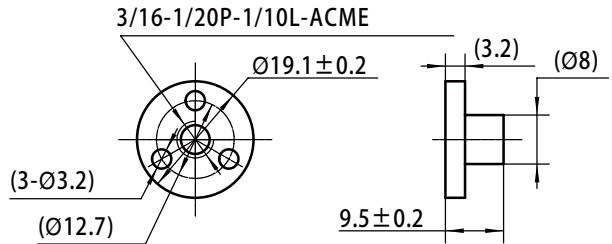
Dimensions (unit:mm)



Electrical Specification

phase	2
Rated voltage	6v DC
Rated current	0.5Amp
Phase resistance	12 ohm
Phase inductance	9mH
Rotor inertia	9g.cm ²
Weight	0.1kg
Insulation class	B(130° C)

Nut

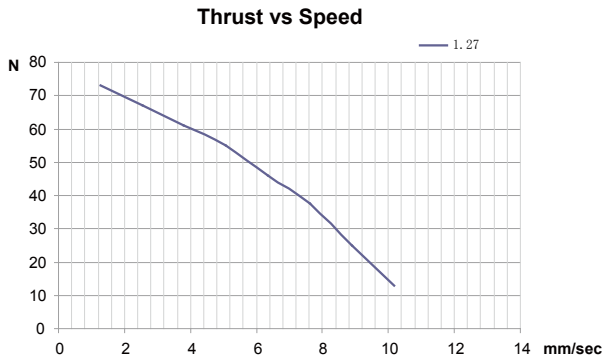
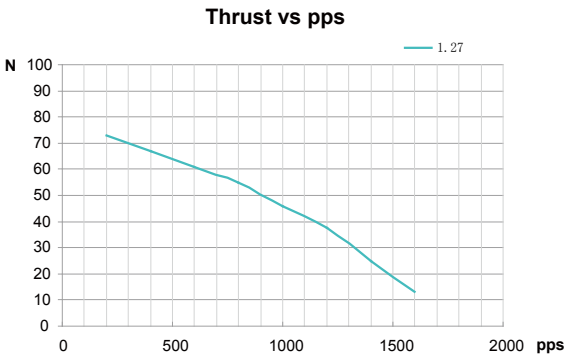


Spindle Specification

Lead(mm)	precision(mm)/step
1.27	0.00635

Thrust Curve

Voltage:24v
Current:0.5amp

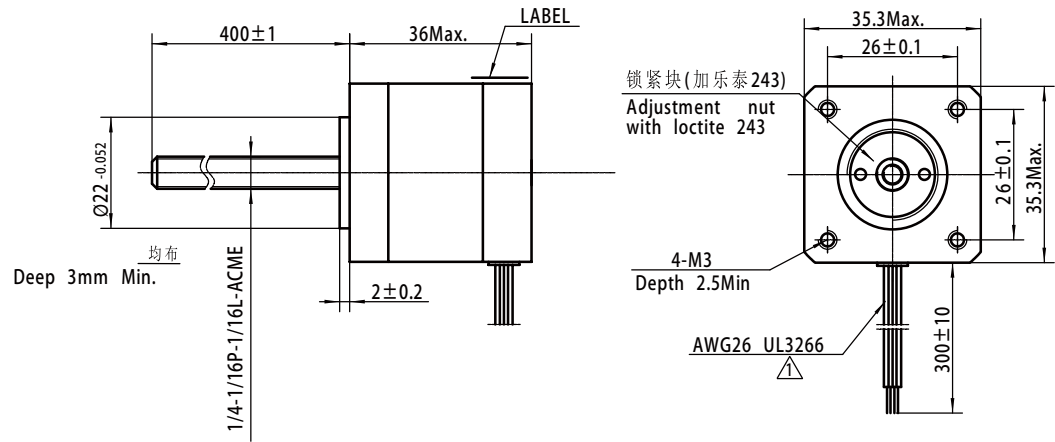


HYBRID LINEAR

NEMA 14 2-phase DC 1.8 ° -LE14HS series

EXTERNAL

Dimensions (unit:mm)



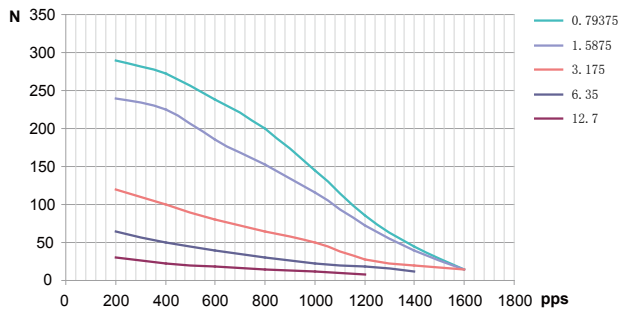
Electrical Specification

phase	2
Rated voltage	2.5v DC
Rated current	1.25Amp
Phase resistance	2 ohm
Phase inductance	2.8mH
Rotor inertia	20g.cm ²
Weight	0.21kg
Insulation class	B(130°C)

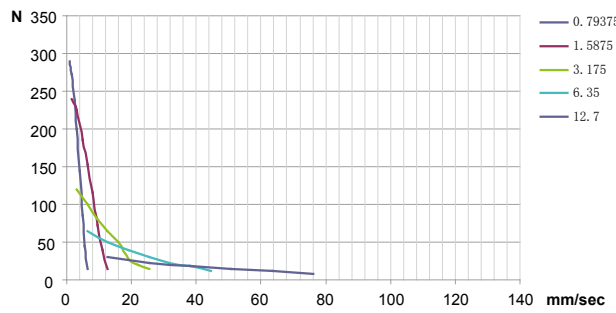
Thrust Curve

Voltage:24v
Current:1.25amp

Thrust vs pps



Thrust vs Speed

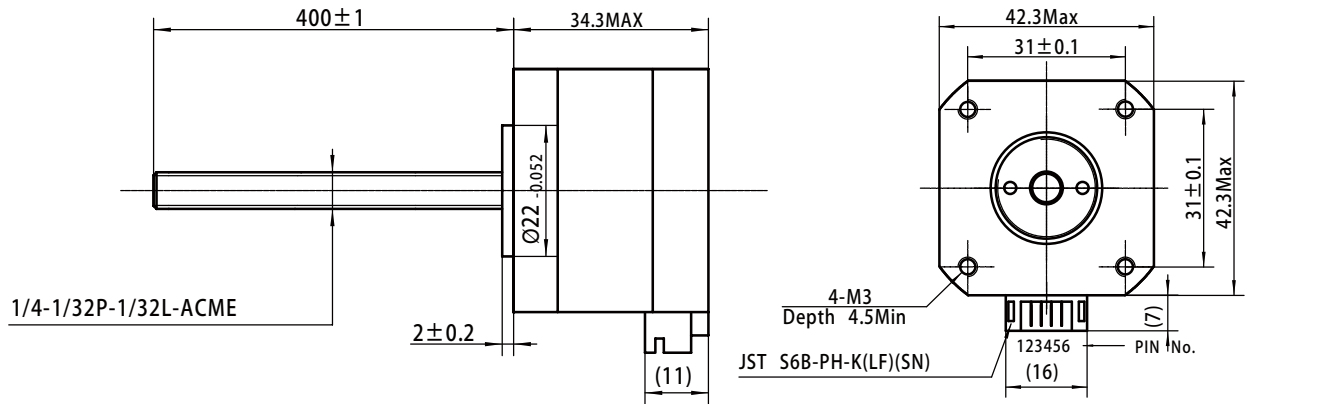


HYBRID LINEAR

NEMA 17 2-phase DC 1.8 ° -LE17HD series

EXTERNAL

Dimensions (unit:mm)



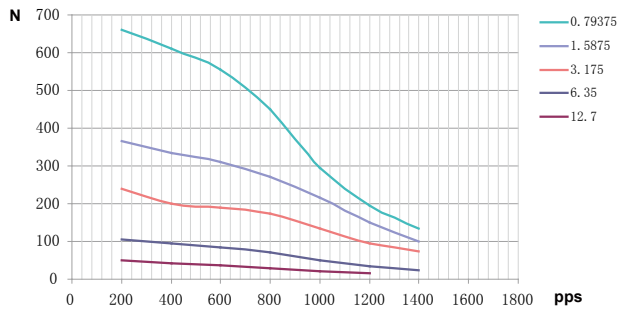
Electrical Specification

phase	2
Rated voltage	5.18v DC
Rated current	0.7Amp
Phase resistance	7.4 ohm
Phase inductance	10mH
Rotor inertia	38g.cm ²
Weight	0.25kg
Insulation class	B(130°C)

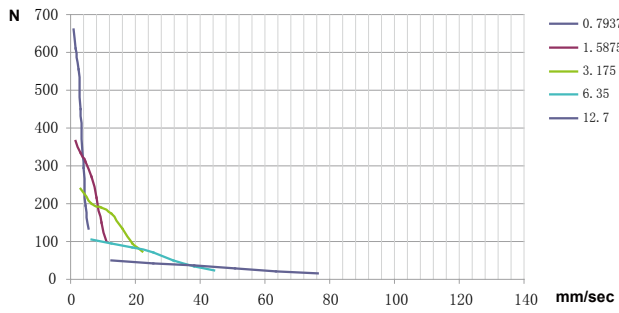
Thrust Curve

Voltage:24v
Current:0.7amp

Thrust vs pps



Thrust vs Speed

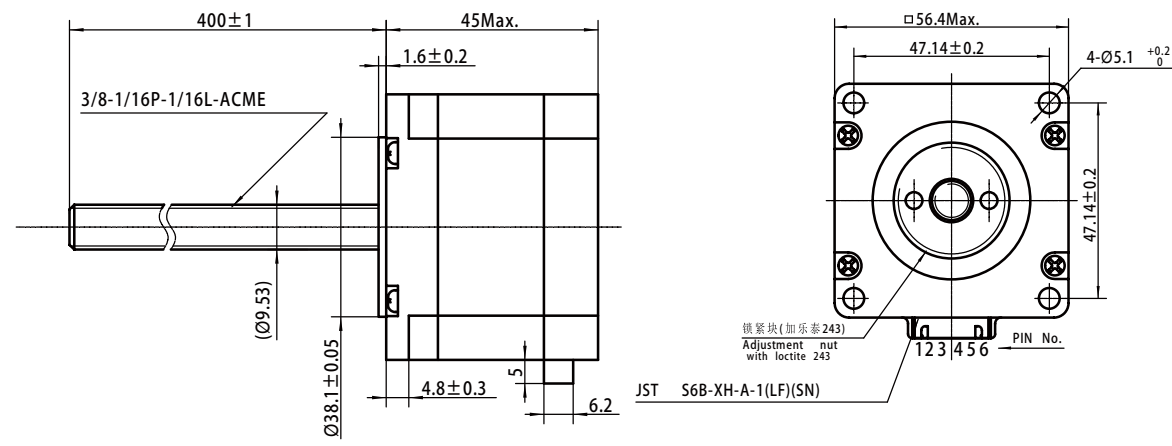


HYBRID LINEAR

NEMA 23 2-phase DC 1.8 ° -LE23HS series

EXTERNAL

■ Dimensions (unit:mm)

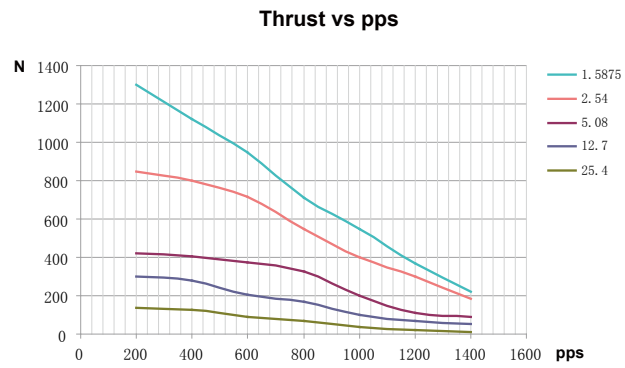


■ Electrical Specification

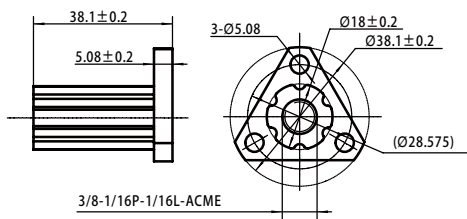
Phase	2
Rated voltage	3.4v DC
Rated current	2Amp
Phase resistance	1.7ohm
Phase inductance	3.8mH
Rotor inertia	180g.cm ²
Weight	0.48kg
Insulation class	B(130° C)

■ Thrust Curve

Voltage:24v
Current:2amp

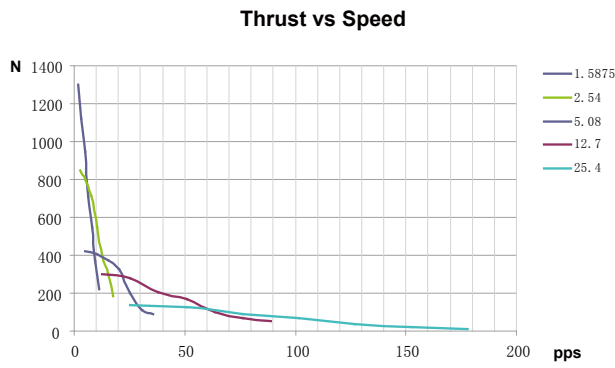


■ Nut



■ Spindle Specification

Lead(mm)	precision(mm)/step
1.5875	0.79375
2.54	0.0127
5.08	0.0254
12.7	0.0635
25.4	0.127

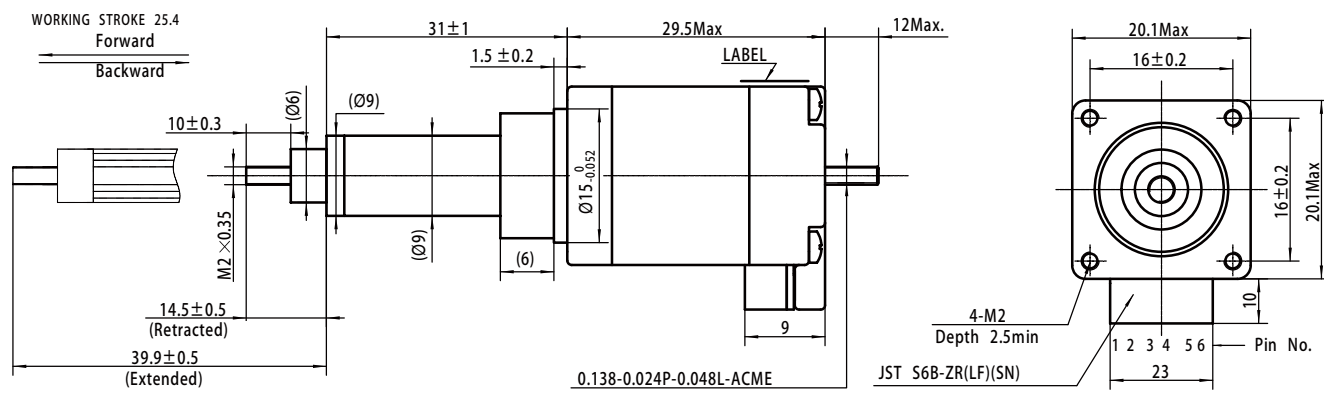


HYBRID LINEAR

NEMA 8 2-phase DC 1.8 ° -LC08HY series

CAPTIVE

■ Dimensions (unit:mm)

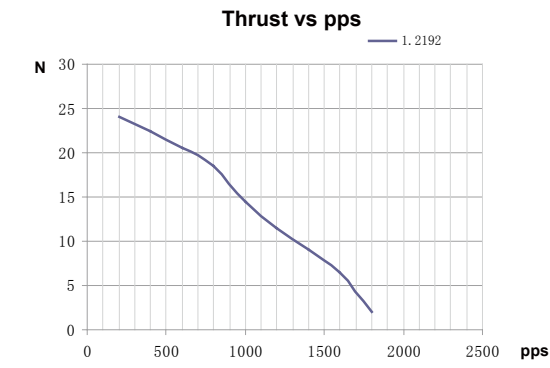


■ Electrical Specification

Phase	2
Rated voltage	4.5v DC
Rated current	0.5Amp
Phase resistance	9 ohm
Phase inductance	2mH
Rotor inertia	2g.cm ²
Weight	0.05kg
Insulation class	B(130° C)

■ Thrust Curve

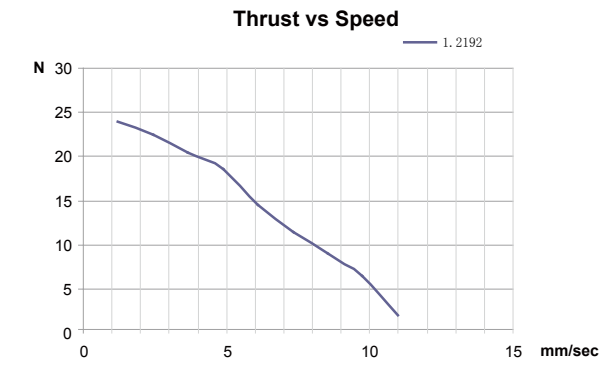
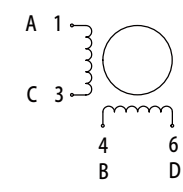
Voltage:24v
Current:0.5amp



■ Spindle Specification

Lead(mm)	precision(mm)/step
1.2192	0.006096

■ Wiring Diagram

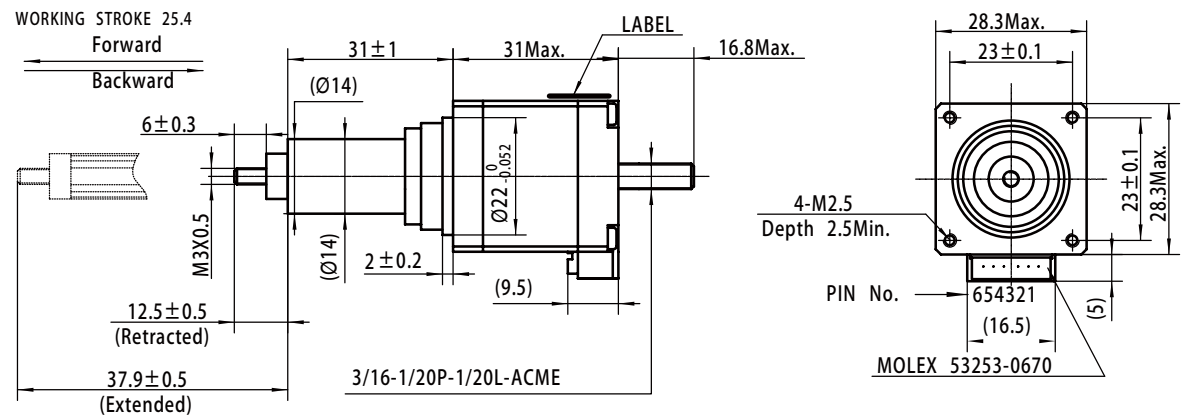


HYBRID LINEAR

NEMA 11 2-phase DC 1.8 ° -LC11HS series

CAPTIVE

■ Dimensions (unit:mm)



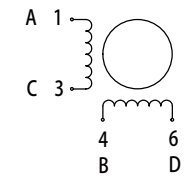
■ Electrical Specification

phase	2
Rated voltage	6v DC
Rated current	0.5Amp
Phase resistance	12 ohm
Phase inductance	9mH
Rotor inertia	9g.cm ²
Weight	0.1kg
Insulation class	B(130° C)

■ Spindle Specification

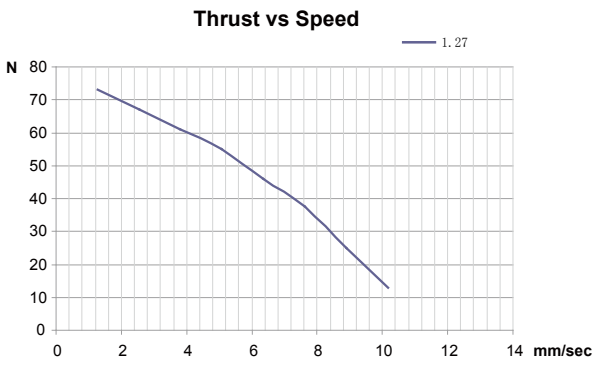
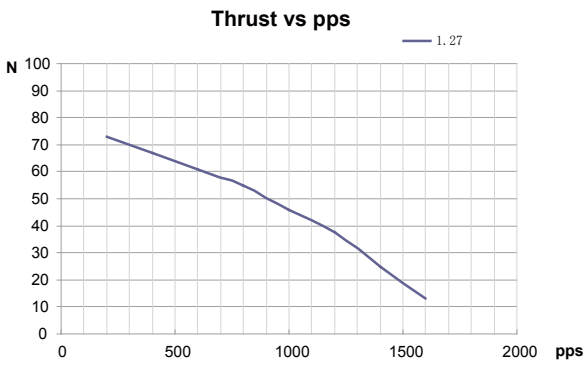
Lead(mm)	precision(mm)/step
1.27	0.00635

■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.5amp

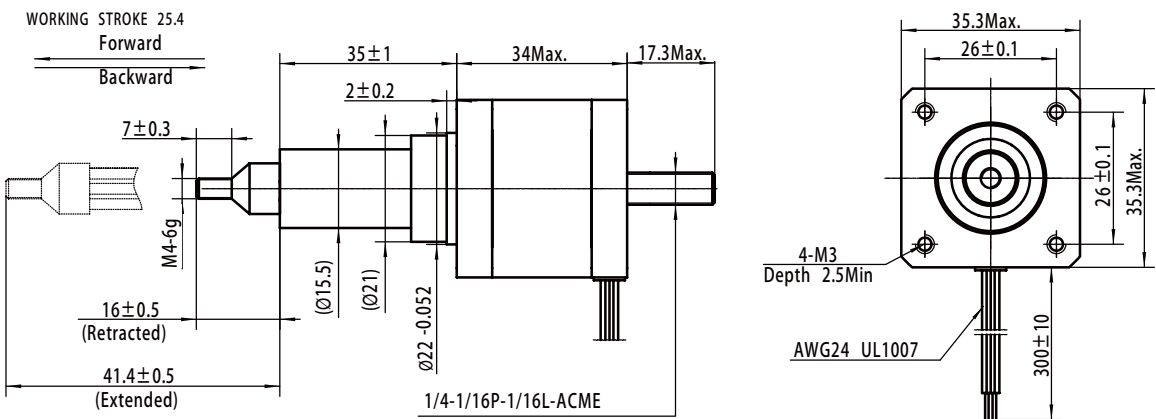


HYBRID LINEAR

NEMA 14 2-phase DC 1.8 ° -LC14HS series

CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

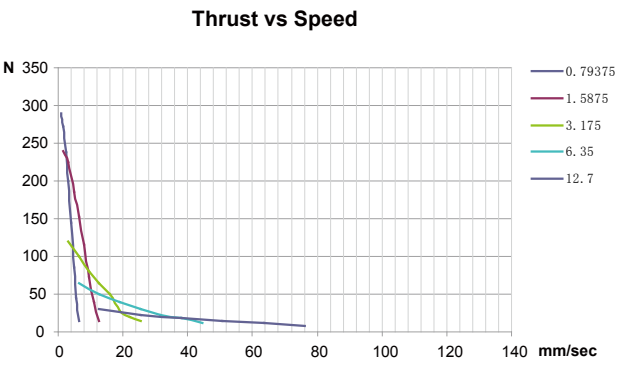
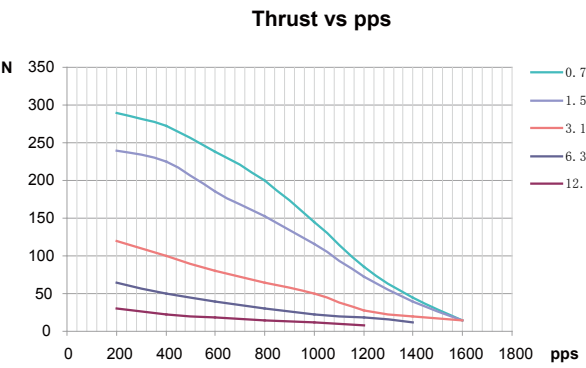
phase	2
Rated voltage	2.5v DC
Rated current	1.25Amp
Phase resistance	2 ohm
Phase inductance	2.8mH
Rotor inertia	20g.cm ²
Weight	0.21kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
0.79375	0.00396875
1.5875	0.0079375
3.175	0.015875
6.35	0.03175
12.7	0.0635

■ Thrust Curve

Voltage:24v
Current:1.25amp

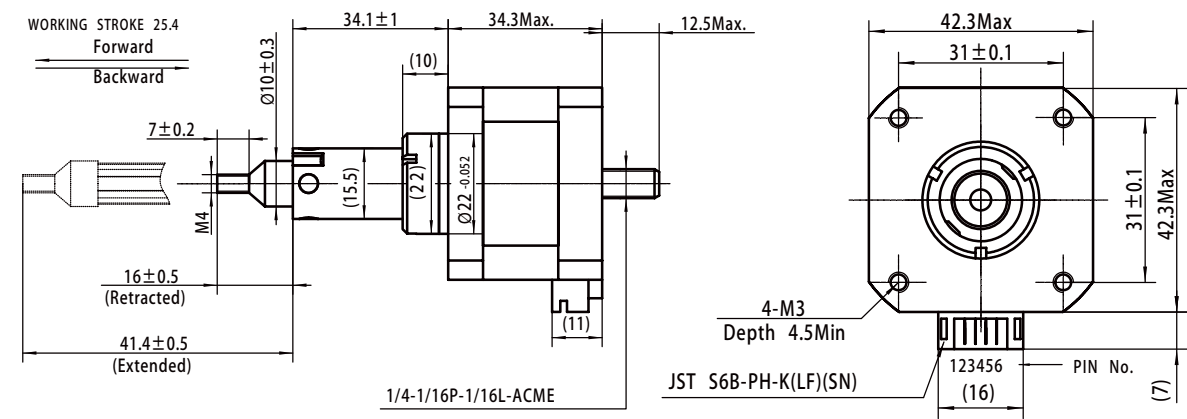


HYBRID LINEAR

NEMA 17 2-phase DC 1.8 ° -LC17HD series

CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

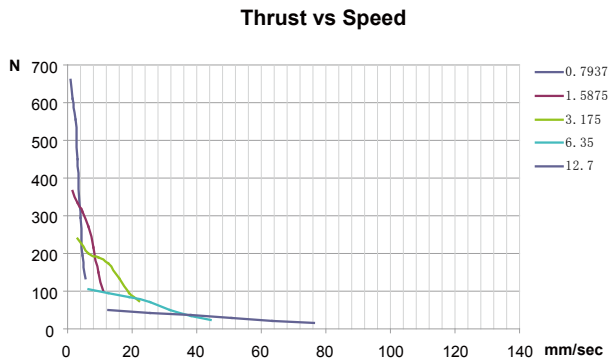
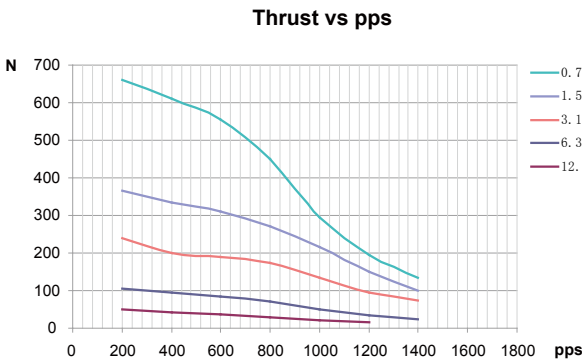
phase	2
Rated voltage	5.18v DC
Rated current	0.7Amp
Phase resistance	7.4 ohm
Phase inductance	10mH
Rotor inertia	38g.cm ²
Weight	0.25kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
0.79375	0.00396875
1.5875	0.0079375
3.175	0.015875
6.35	0.03175
12.7	0.0635

■ Thrust Curve

Voltage:24v
Current:0.7amp

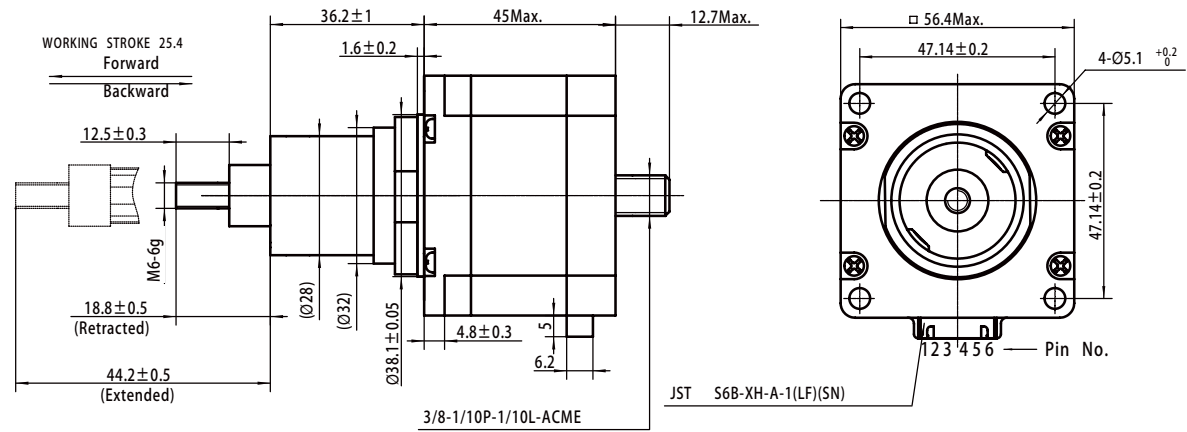


HYBRID LINEAR

NEMA 23 2-phase DC 1.8 ° -LC23HS series

CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

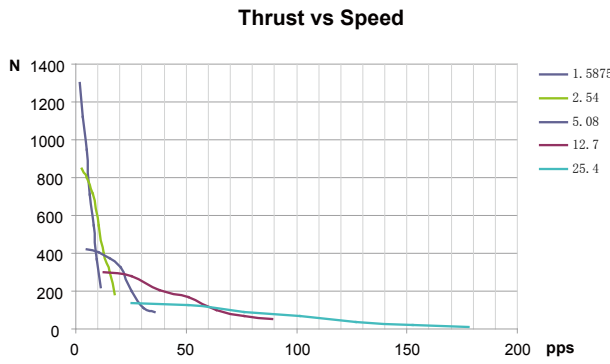
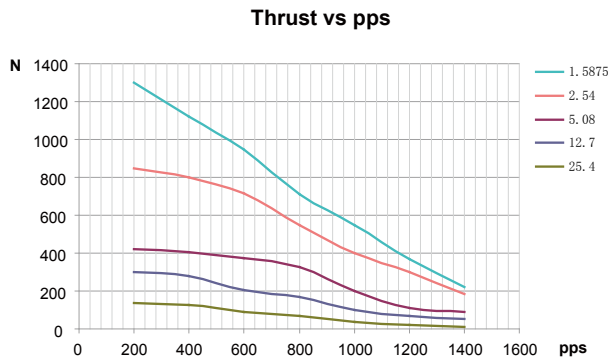
phase	2
Rated voltage	3.4v DC
Rated current	2Amp
Phase resistance	1.7ohm
Phase inductance	3.8mH
Rotor inertia	180g.cm ²
Weight	0.48kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
1.5875	0.79375
2.54	0.0127
5.08	0.0254
12.7	0.0635
25.4	0.127

■ Thrust Curve

Voltage:24v
Current:2amp

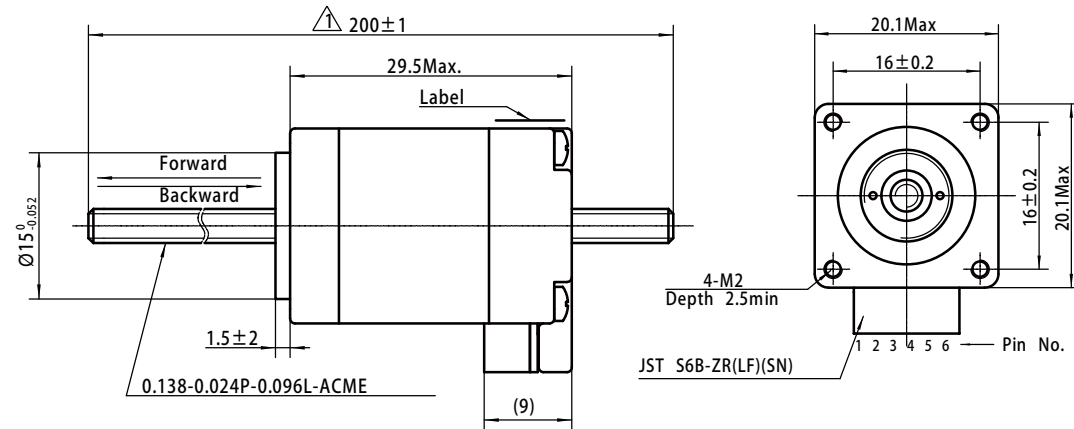


HYBRID LINEAR

NEMA 8 2-phase DC 1.8 ° -LN08HY series

NON-CAPTIVE

■ **Dimensions (unit:mm)**



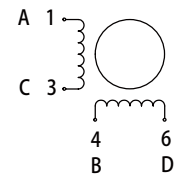
■ Electrical Specification

phase	2
Rated voltage	4.5v DC
Rated current	0.5Amp
Phase resistance	9 ohm
Phase inductance	2mH
Rotor inertia	2g.cm ²
Weight	0.05kg
Insulation class	B(130° C)

■ Spindle Specification

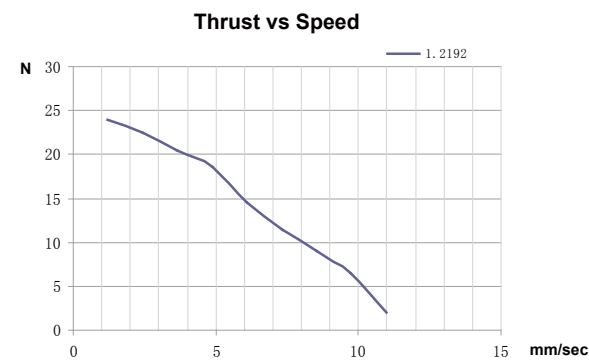
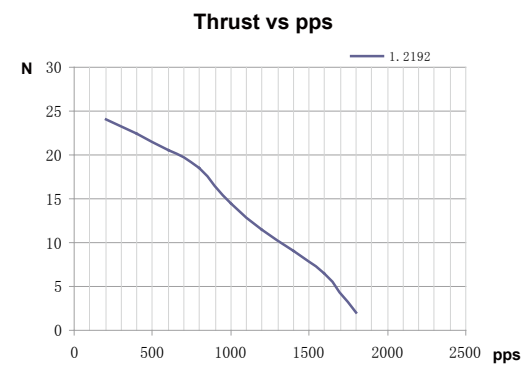
Lead(mm)	precision(mm)/step
1.2192	0.006096

■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.5amp

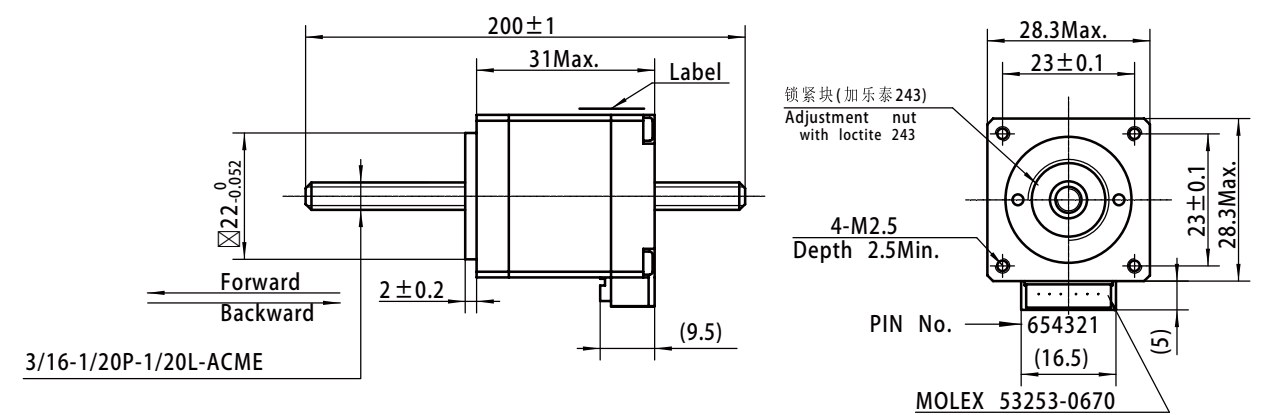


HYBRID LINEAR

NEMA 11 2-phase DC 1.8 ° -LN11HS series

NON-CAPTIVE

■ **Dimensions (unit:mm)**



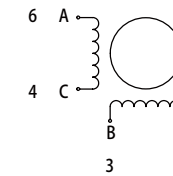
■ Electrical Specification

phase	2
Rated voltage	6v DC
Rated current	0.5Amp
Phase resistance	12 ohm
Phase inductance	9mH
Rotor inertia	9g.cm ²
Weight	0.1kg
Insulation class	B(130° C)

■ Spindle Specification

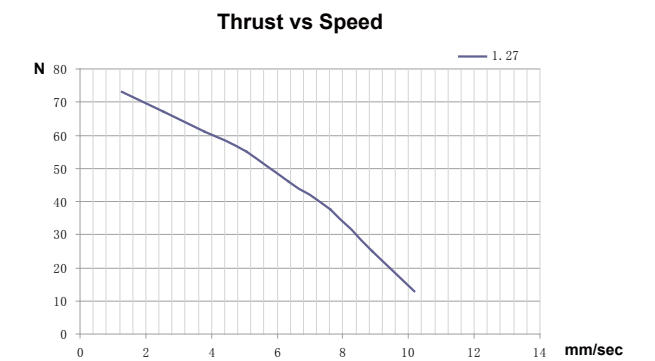
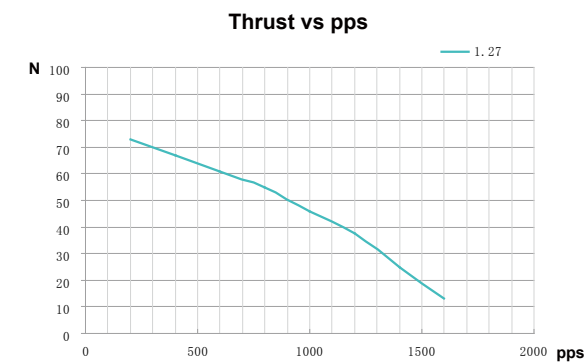
Lead(mm)	precision(mm)/step
1.27	0.00635

■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.5amp

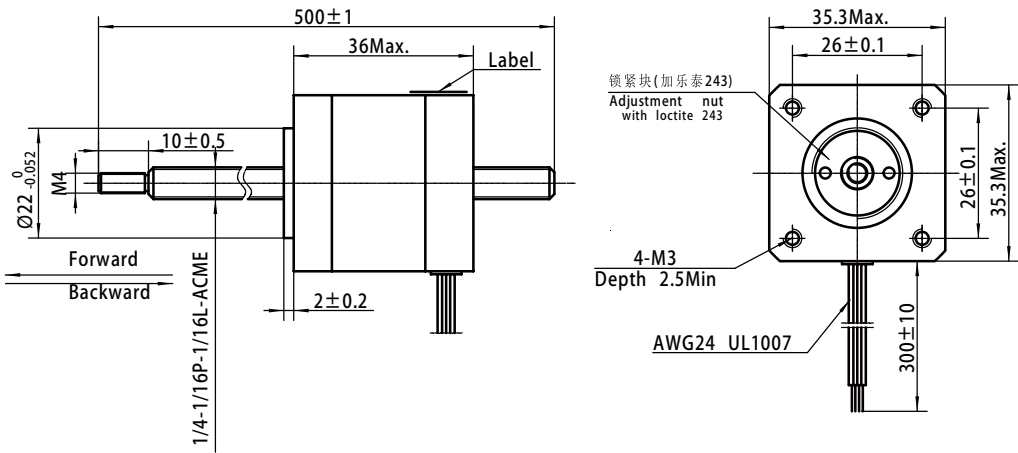


HYBRID LINEAR

NEMA 14 2-phase DC 1.8 ° -LN14HS series

NON-CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

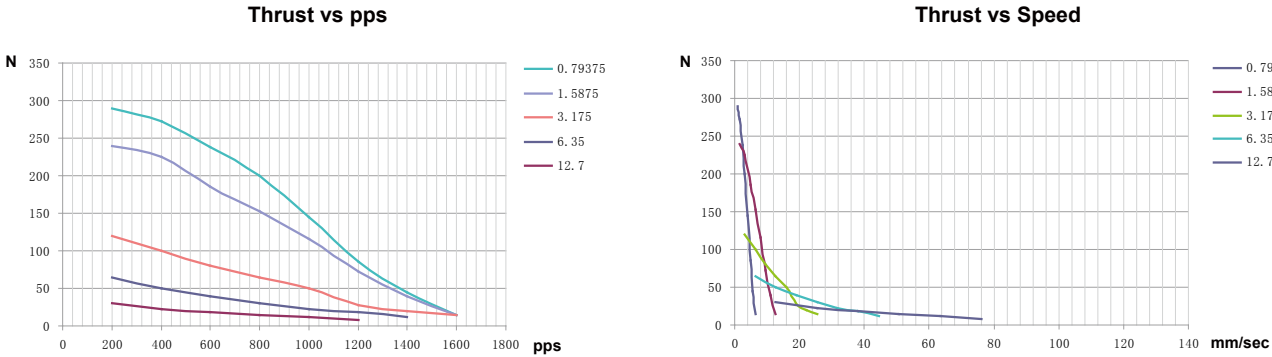
phase	2
Rated voltage	2.5v DC
Rated current	1.25Amp
Phase resistance	2 ohm
Phase inductance	2.8mH
Rotor inertia	20g.cm ²
Weight	0.21kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
0.79375	0.00396875
1.5875	0.0079375
3.175	0.015875
6.35	0.03175
12.7	0.0635

■ Thrust Curve

Voltage:24v
Current:1.25amp

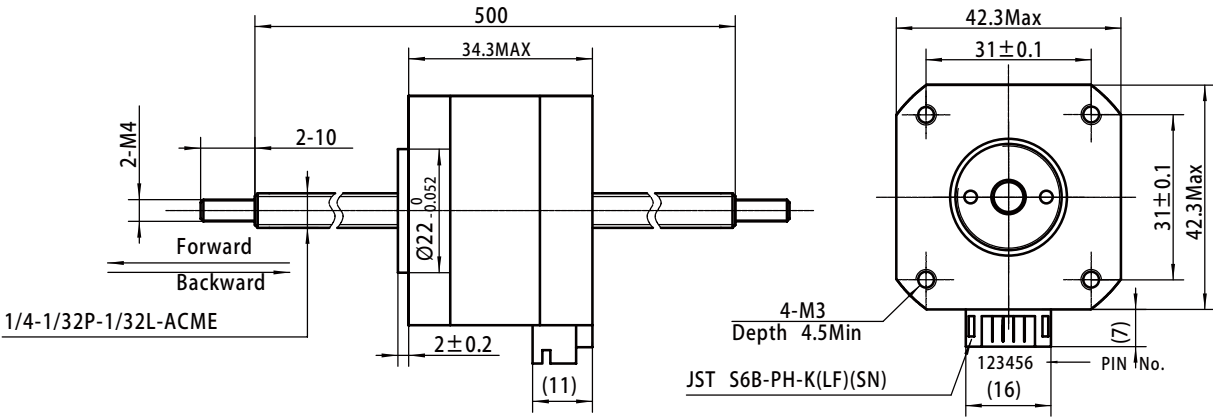


HYBRID LINEAR

NEMA 17 2-phase DC 1.8 ° -LN17HD series

NON-CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

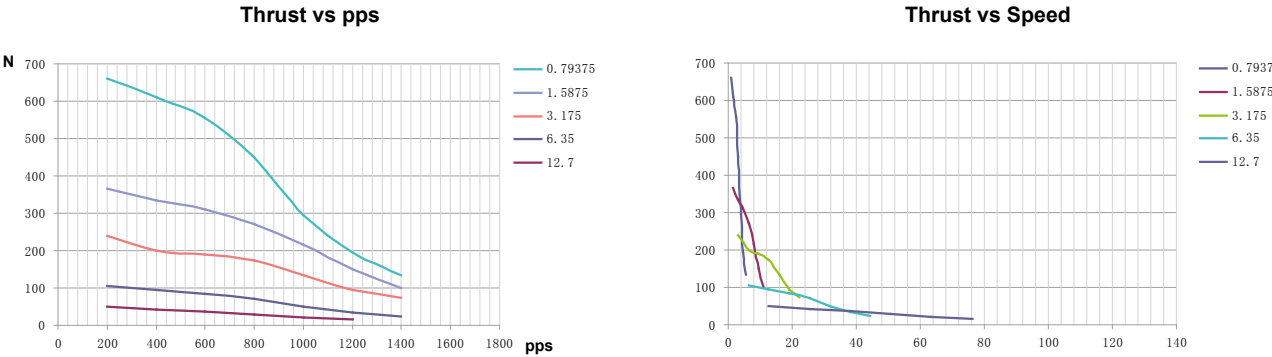
phase	2
Rated voltage	5.18v DC
Rated current	0.7Amp
Phase resistance	7.4 ohm
Phase inductance	10mH
Rotor inertia	38g.cm ²
Weight	0.25kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
0.79375	0.00396875
1.5875	0.0079375
3.175	0.015875
6.35	0.03175
12.7	0.0635

■ Thrust Curve

Voltage:24v
Current:0.7amp

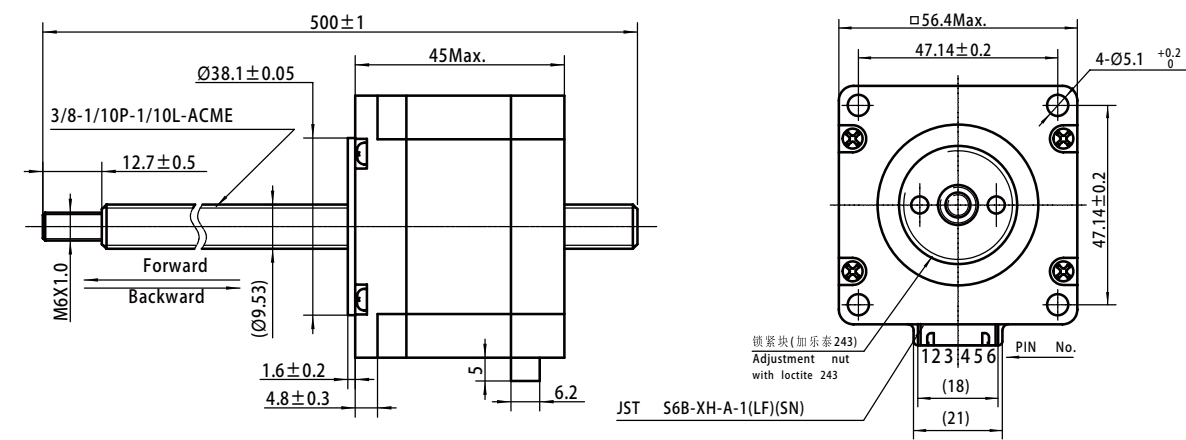


HYBRID LINEAR

NEMA 23 2-phase DC 1.8 ° -LN23HS series

NON-CAPTIVE

■ Dimensions (unit:mm)



■ Electrical Specification

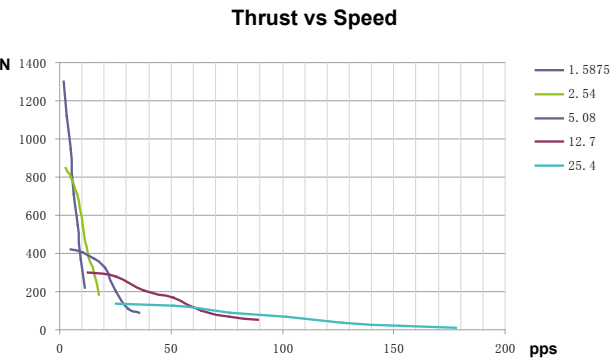
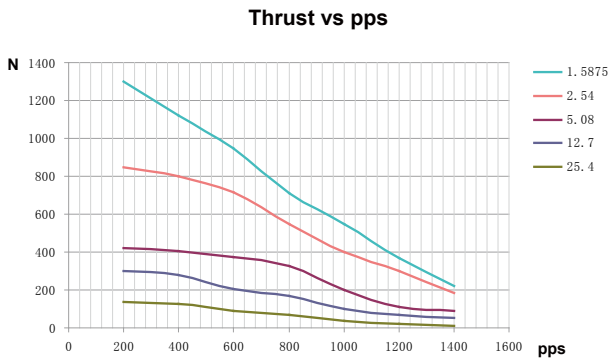
phase	2
Rated voltage	3.4v DC
Rated current	2Amp
Phase resistance	1.7ohm
Phase inductance	3.8mH
Rotor inertia	180g.cm ²
Weight	0.48kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
1.5875	0.79375
2.54	0.0127
5.08	0.0254
12.7	0.0635
25.4	0.127

■ Thrust Curve

Voltage:24v
Current:2amp

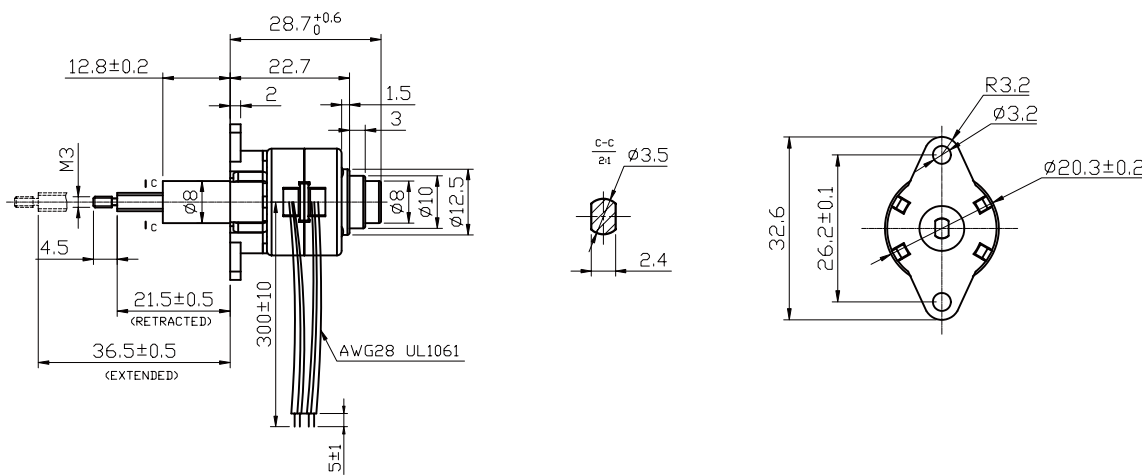


PM LINEAR

NEMA 8 2-phase DC 15 ° -LC20L series

CAPTIVE

■ Dimensions (unit:mm)



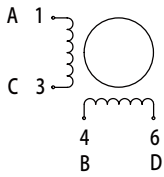
■ Electrical Specification

phase	2
Rated voltage	4.9v DC
Rated current	0.4Amp
Phase resistance	14 ohm
Phase inductance	6.4mH
Rotor inertia	1g.cm ²
Weight	0.032kg
Insulation class	B(130° C)

■ Spindle Specification

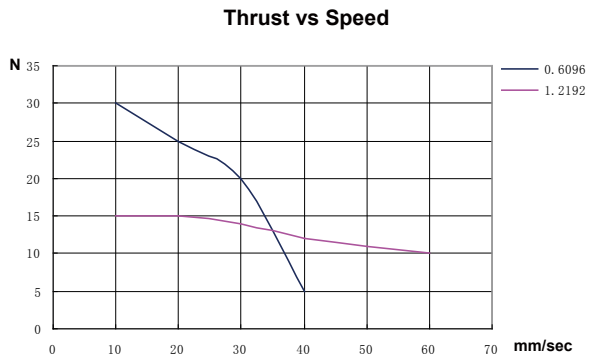
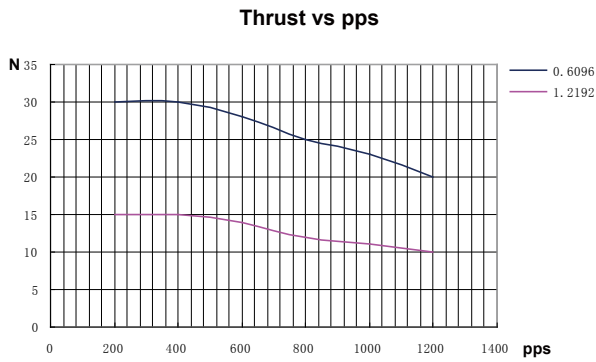
Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

■ Wiring Diagram



■ Thrust Curve

Voltage:12v
Current:0.4amp

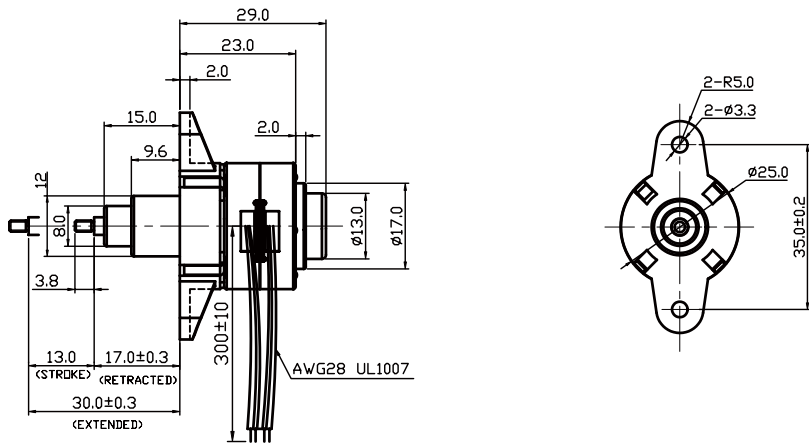


PM LINEAR

NEMA 10 2-phase DC 15 ° -LC25L series

CAPTIVE

■ Dimensions (unit:mm)



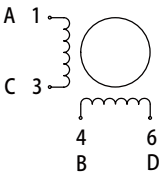
■ Electrical Specification

phase	2
Rated voltage	4.0v DC
Rated current	0.5Amp
Phase resistance	8ohm
Phase inductance	6.3mH
Rotor inertia	3g.cm ²
Weight	0.06kg
Insulation class	B(130° C)

■ Spindle Specification

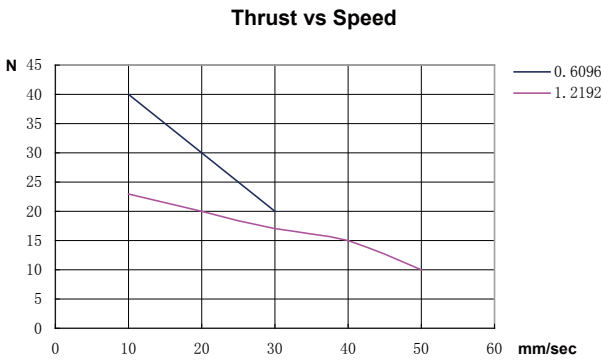
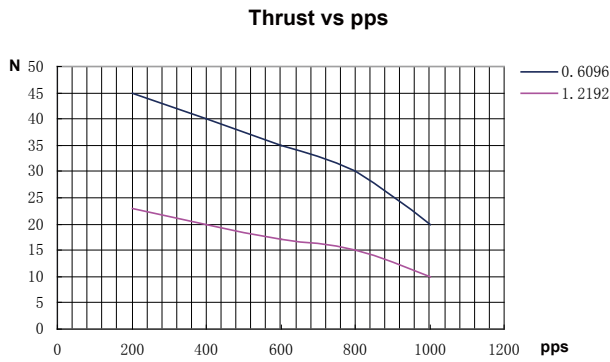
Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.4amp

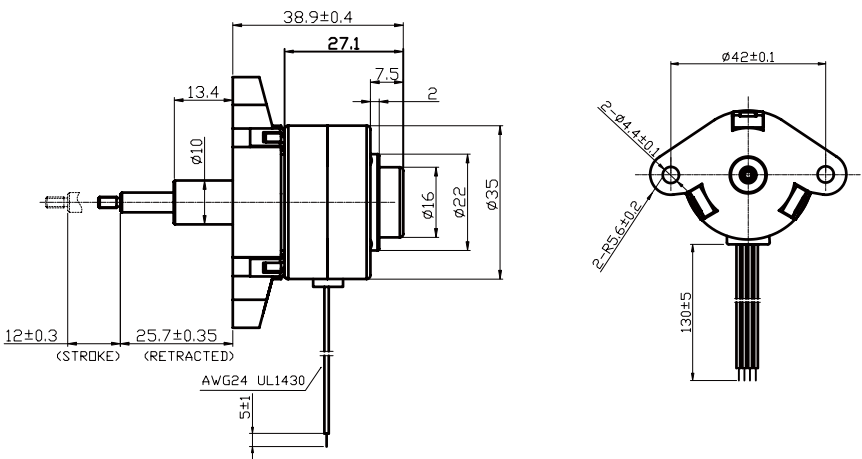


PM LINEAR

NEMA 14 2-phase DC 15 ° -LC35L series

CAPTIVE

■ Dimensions (unit:mm)



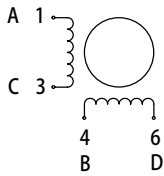
■ Electrical Specification

phase	2
Rated voltage	3.85v DC
Rated current	0.5Amp
Phase resistance	7.7ohm
Phase inductance	9.4 mH
Rotor inertia	5g.cm ²
Weight	0.12kg
Insulation class	B(130° C)

■ Spindle Specification

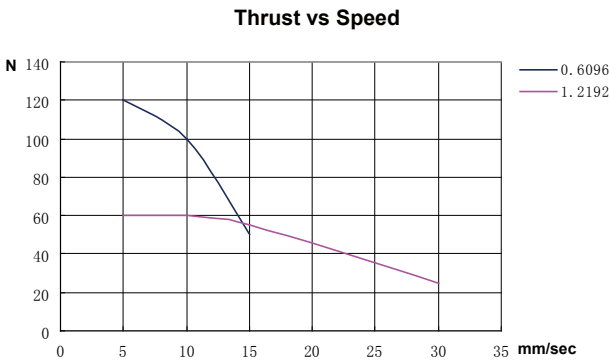
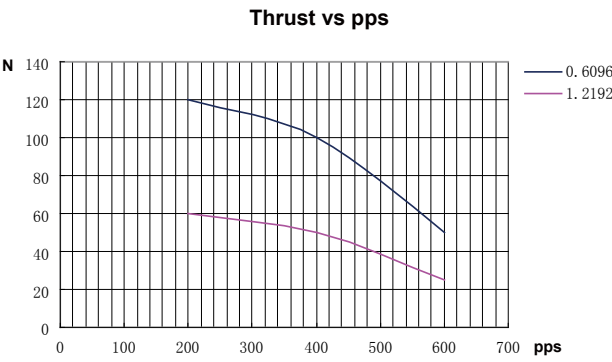
Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

■ Wiring Diagram



■ Thrust Curve

Voltage:12v
Current:0.5amp

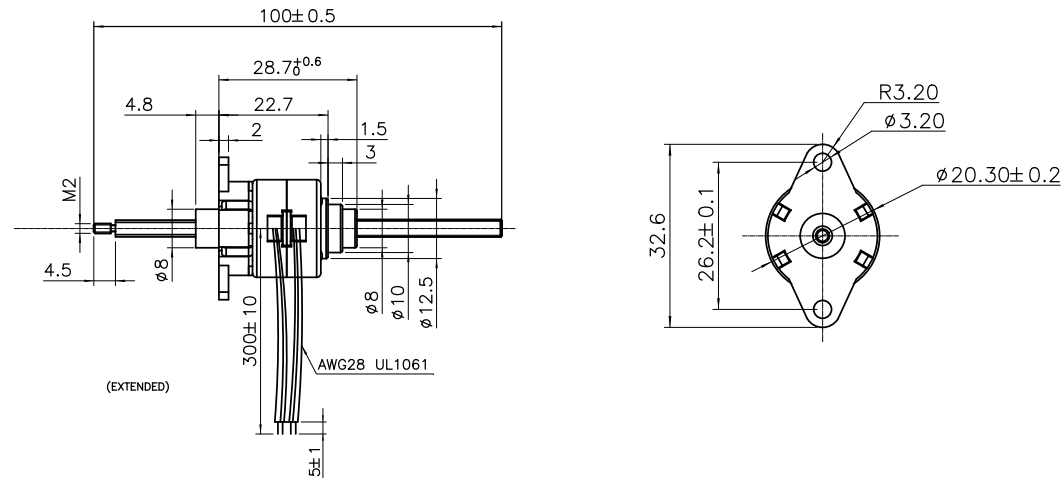


PM LINEAR

NEMA 8 2-phase DC 15 ° -LN20L series

NON-CAPTIVE

■ **Dimensions (unit:mm)**



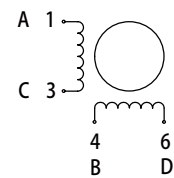
■ Electrical Specification

phase	2
Rated voltage	4.9v DC
Rated current	0.4Amp
Phase resistance	14 ohm
Phase inductance	6.4mH
Rotor inertia	1g.cm ²
Weight	0.032kg
Insulation class	B(130° C)

■ Spindle Specification

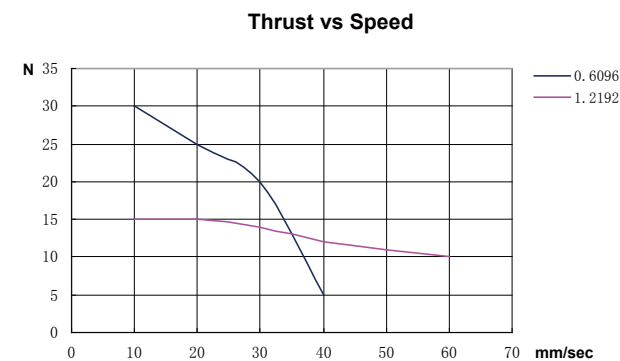
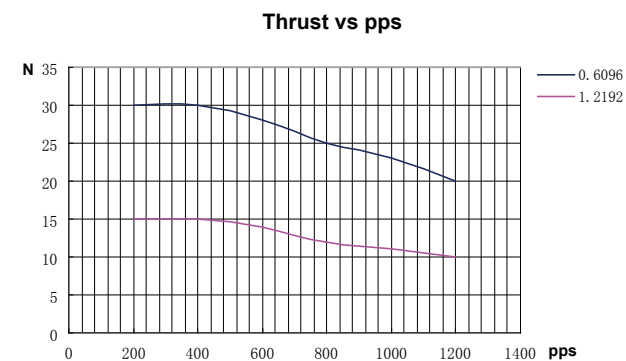
Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.4amp

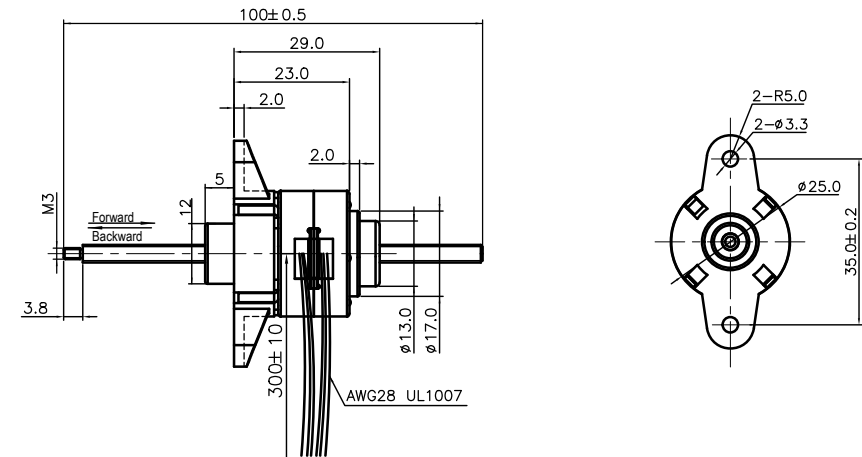


PM LINEAR

NEMA 10 2-phase DC 15 ° -LN25L series

NON-CAPTIVE

■ **Dimensions (unit:mm)**



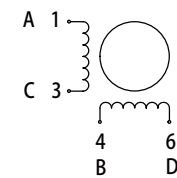
■ Electrical Specification

phase	2
Rated voltage	4.0v DC
Rated current	0.5Amp
Phase resistance	8ohm
Phase inductance	6.3mH
Rotor inertia	3g.cm ²
Weight	0.06kg
Insulation class	B(130° C)

■ Spindle Specification

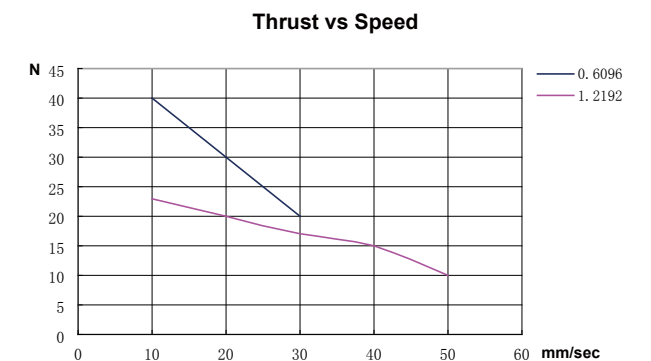
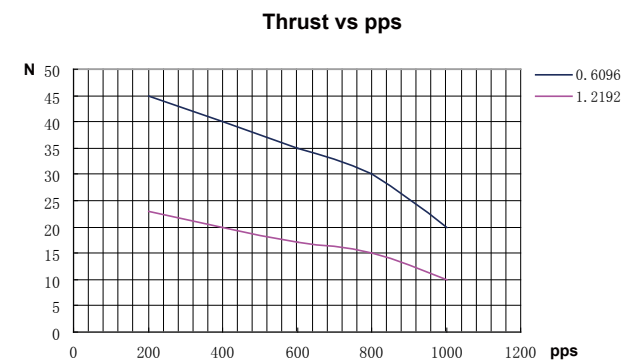
Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

■ Wiring Diagram



■ Thrust Curve

Voltage:12v
Current:0.4amp

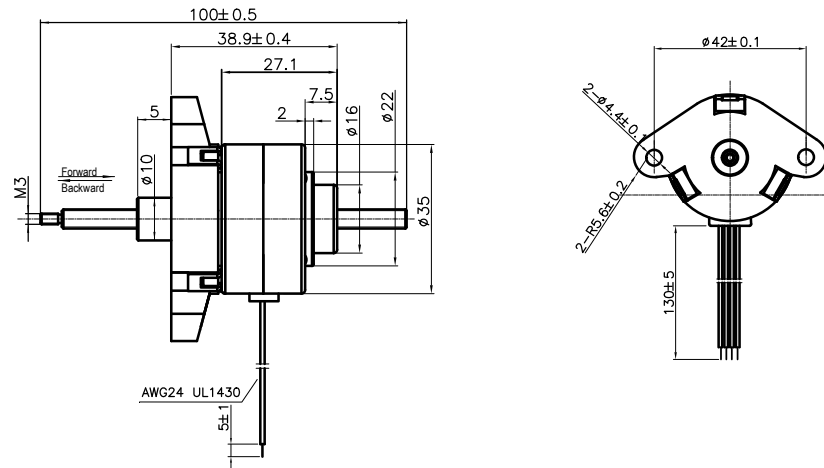


PM LINEAR

NEMA 14 2-phase DC 15 ° -LN35L series

NON-CAPTIVE

■ **Dimensions (unit:mm)**



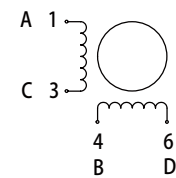
■ Electrical Specification

phase	2
Rated voltage	3.85v DC
Rated current	0.5Amp
Phase resistance	7.7ohm
Phase inductance	9.4 mH
Rotor inertia	5g.cm ²
Weight	0.12kg
Insulation class	B(130° C)

■ Spindle Specification

Lead(mm)	precision(mm)/step
0.6096	0.0254
1.2192	0.0508

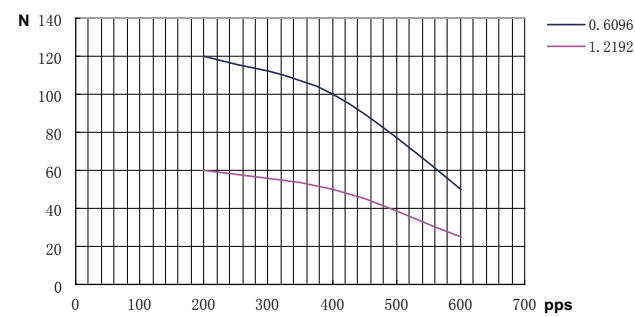
■ Wiring Diagram



■ Thrust Curve

Voltage:24v
Current:0.5amp

Thrust vs pps



Thrust vs Speed

