Exciting Sequence.VS.Direction of Rotation

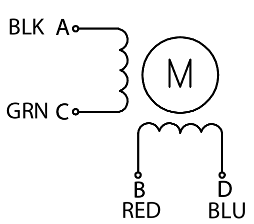
STEP	1	2	3	4
1	+	+	−	−
2	−	+	+	−
3	−	−	+	+
4	+	−	−	+

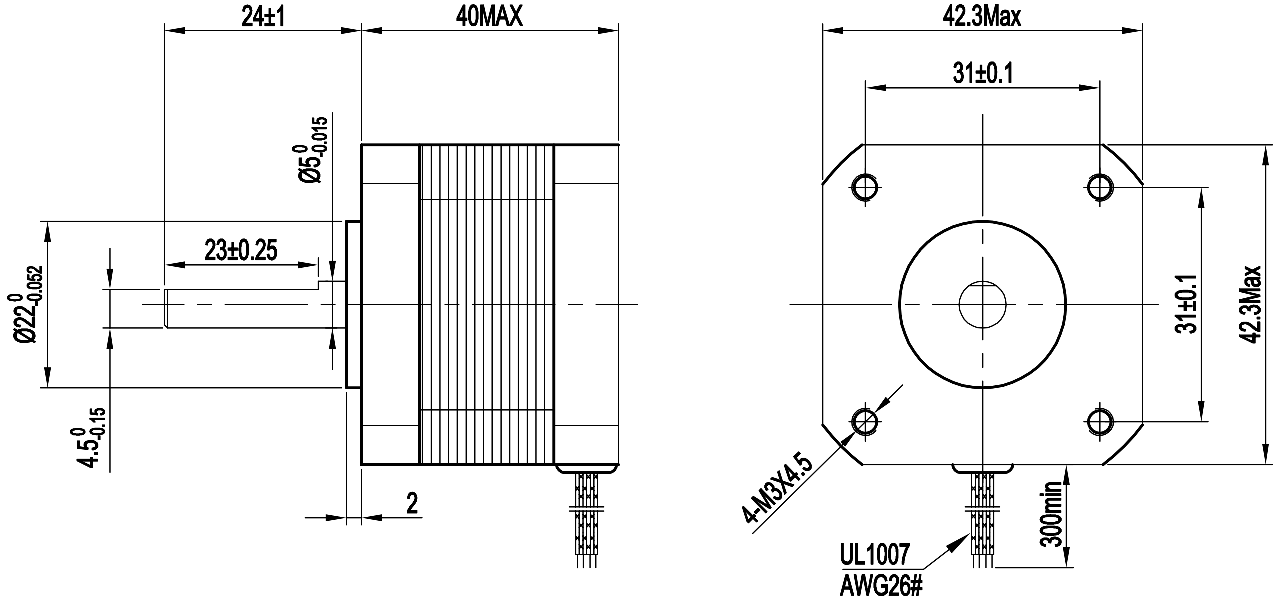
CW ↓ CCW ↑

Exciting sequcnce as the table specified
will produce clockwise rotation
when viewed from mounting end。

Case by two phase on

WIRING DIAGRAM





(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	2
Step angle:	1.8°
Rated Voltage:	3.7V
Rated Current/Phase:	1.7A
Resistance/Phase:	2.2Ω ±10% (20℃)
Inductance/Phase:	3.8mH±20%
Insulation Resistance:	100MΩMin (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	(CW)
Holding Torque:	0.35N.M
Insulation Class:	B
Motor Weight:	0.3Kg

Unit: mm	C	
	B	
	A	
FIRST ANGLE METHOD	REV	REVISION RECORD / DATE

Hybird Stepping Motor

1:1

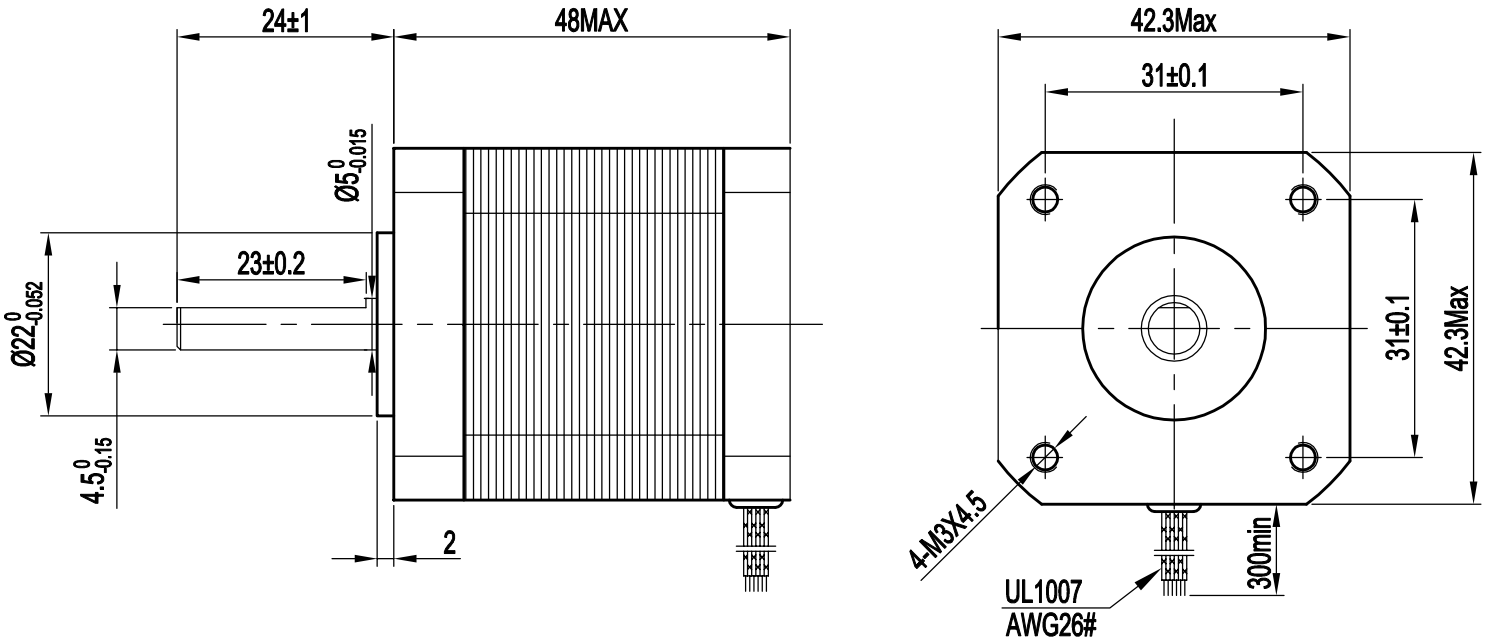
NEMA 17-40-001

Specification

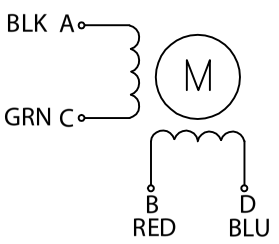
www.winman.com.tr

NEMA 17-48-001

Dimensions:
(unit=mm)



Wiring Diagram:



Electrical Specifications:

Phase	2		COMMENT
Step Angle	1.8	°/STEP	
Rated Voltage	5.2	V	
Current	1.7	A/PHASE	
Resistance	3.1±10%	Ω/PHASE	
Inductance	5.0±10%	mH/PHASE	
Holding Torque	5.0	kg.cm	
Insulation Class	B		
Mass	0.35	kg	

NEMA 17-48-001

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Exciting Sequence. VS. Direction of Rotation

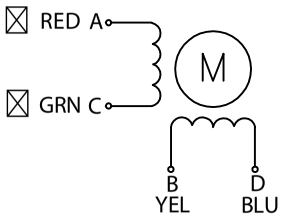
STEP	1	2	3	4
1	+	+	−	−
2	−	+	+	−
3	−	−	+	+
4	+	−	−	+

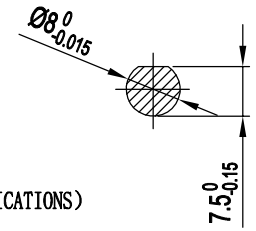
CW ↓ ↑ CCW

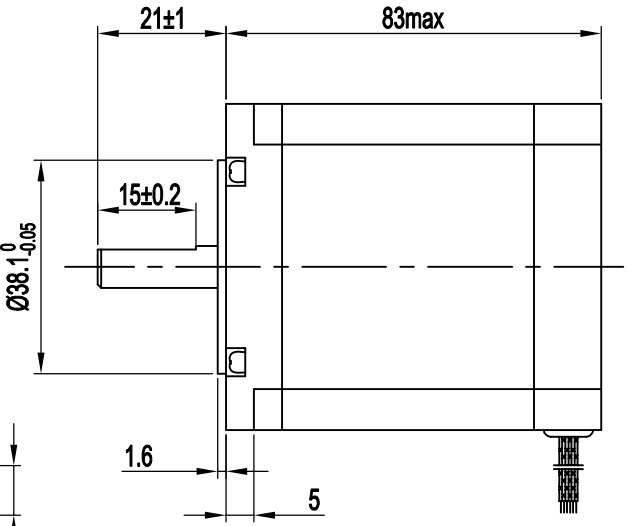
Exciting sequcnce as the table specified will produce clockwise rotation when viewed from mounting end.

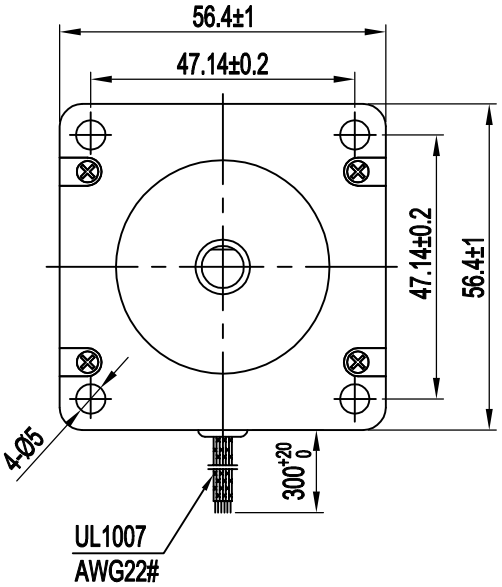
Case by two phase on

WIRING DIAGRAM









(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	2
Step angle:	1.8°
Rated Voltage:	1.7V
Rated Current/Phase:	3.0A
Rated Resistance/Phase:	0.57Ω ±10% (20℃)
Inductance/Phase:	2.8mH±20%
Insulation Resistance:	100MΩ Min (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	(CW)
Holding Torque:	1.4N.M
Insulation Class:	B
Motor Weight:	1.15Kg

Unit: mm

FIRST ANGLE METHOD

REV	REVISION RECORD	DATE
C		
B		
A		

Hybrid Stepping Motor

NEMA 23-84-001

Specification

1:1

www.winman.com.tr

Exciting Sequence. VS. Direction of Rotation

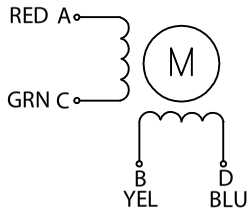
STEP	A	B	C	D
A	+	+	−	−
B	−	+	+	−
C	−	−	+	+
D	+	−	−	+

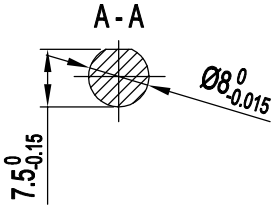
CW ↓ CCW ↑

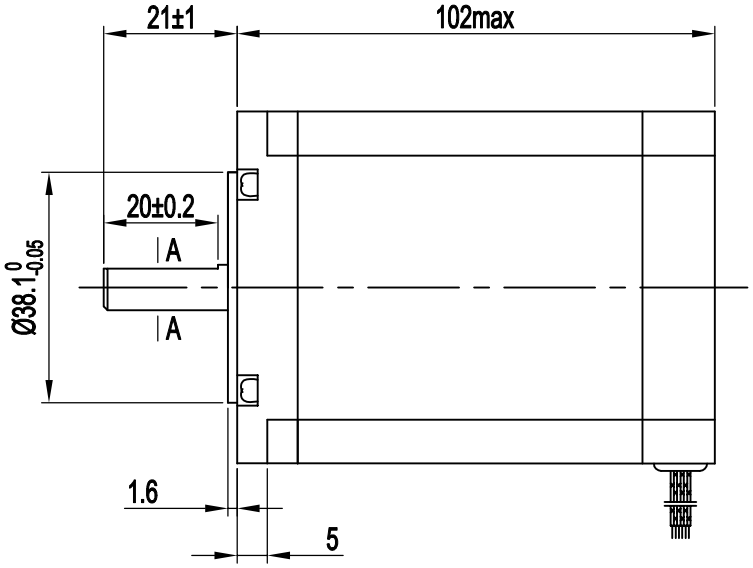
Exciting sequcnce as the table specified will produce clockwise rotation when viewed from mounting end.

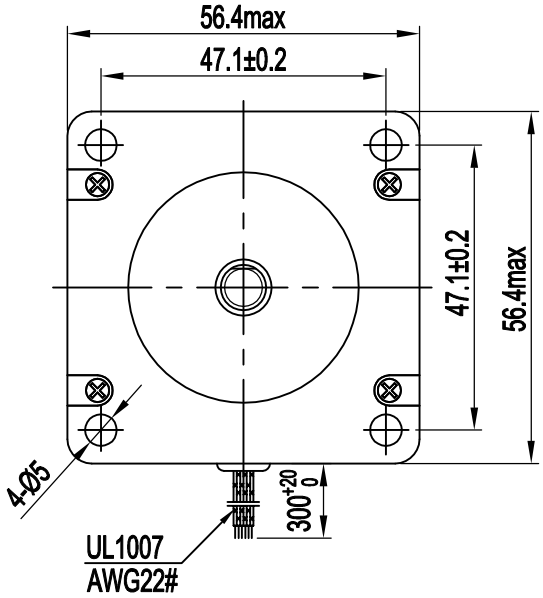
Case by two phase on

WIRING DIAGRAM









(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	2
Step angle:	1.8°
Rated Voltage:	2.7V
Rated Current/Phase:	4.2A
Resistance/Phase:	0.75Ω ±10% (20℃)
Inductance/Phase:	3.4mH±20%
Insulation Resistance:	100MΩ Min (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	(CW)
Holding Torque:	2.4N.M
Insulation Class:	B
Motor Weight:	1.25Kg

Unit: mm

FIRST ANGLE METHOD

REV	REVISION RECORD	DATE
C		
B		
A		

Hybrid Stepping Motor

NEMA 23-100-001

Specification

1:1

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Exciting Sequence. VS. Direction of Rotation

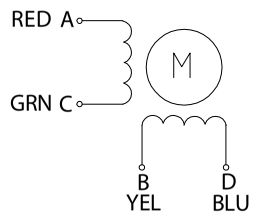
STEP	A	B	C	D
1	+	+	−	−
2	−	+	+	−
3	−	−	+	+
4	+	−	−	+

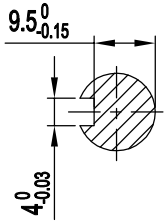
CW ↓ CCW ↑

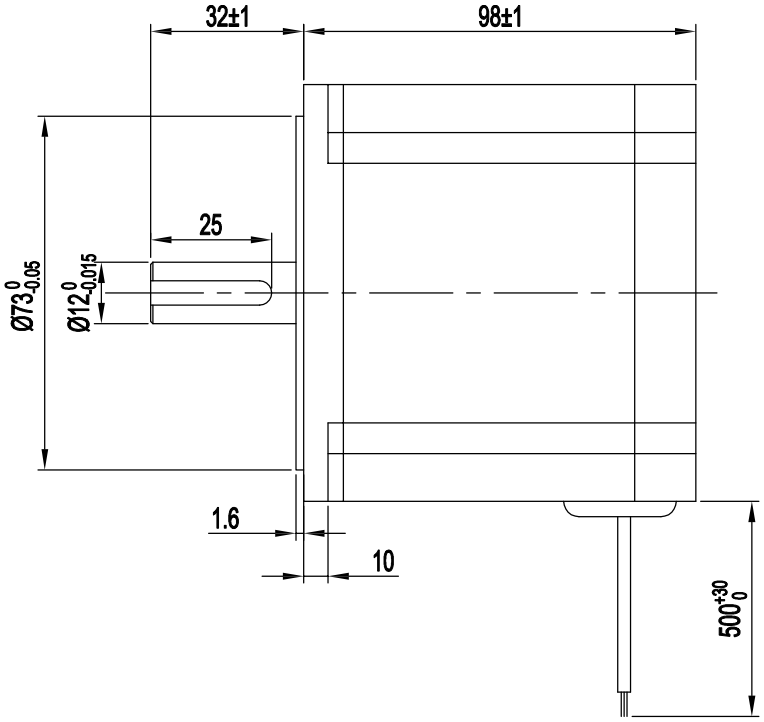
Exciting sequcnce as the table specified will produce clockwise rotation when viewed from mounting end.

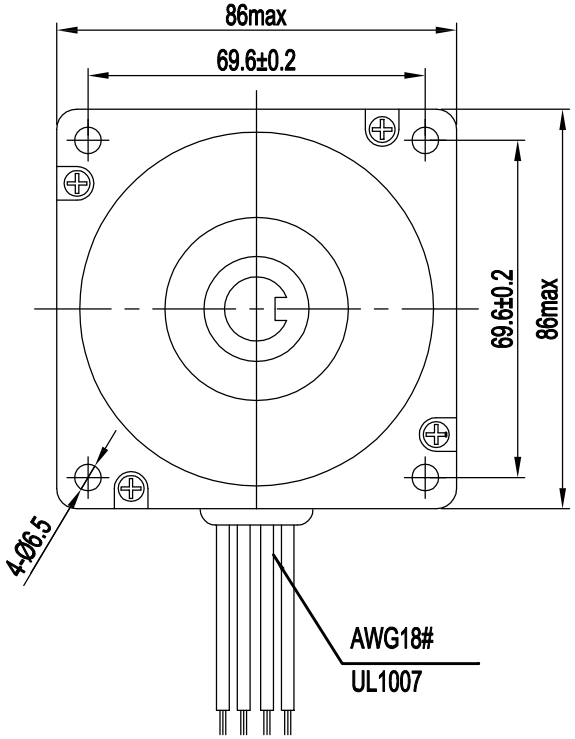
Case by two phase on

WIRING DIAGRAM









(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	2
Step angle:	1.8°
Rated Voltage:	3V
Rated Current/Phase:	6.0A
Resistance/Phase:	0.5Ω ±10% (20℃)
Inductance/Phase:	5mH±20%
Insulation Resistance:	100MΩMin (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	(CW)
Holding Torque:	6.8N.M
Insulation Class:	B
Motor Weight:	3.1Kg

/Unit: mm

FIRST ANGLE METHOD

REV	REVISION RECORD	DATE
C		
B		
A		

Hybrid Stepping Motor

NEMA 34-98-001

Specification

1:1

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Exciting Sequence. VS. Direction of Rotation

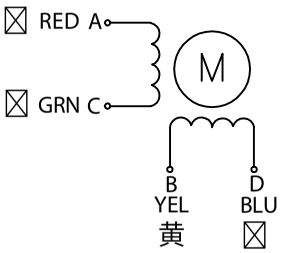
STEP	1	2	3	4
1	+	+	−	−
2	−	+	+	−
3	−	−	+	+
4	+	−	−	+

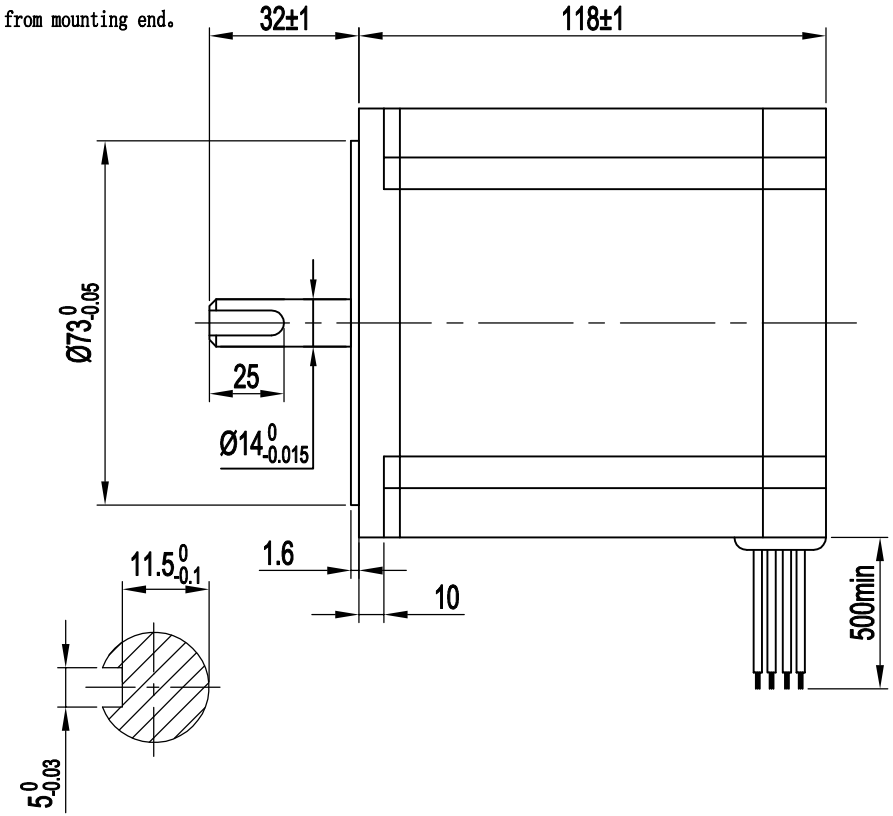
CW ↓ ↑ CCW

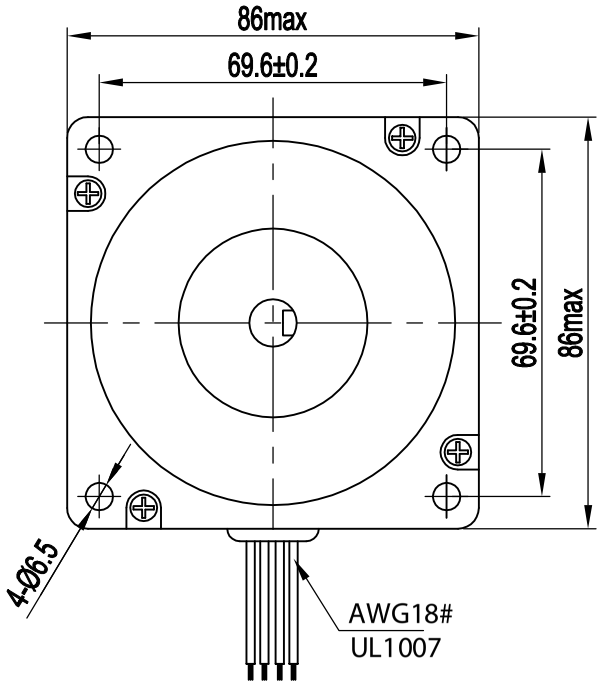
Exciting sequcnce as the table specified will produce clockwise rotation when viewed from mounting end.

Case by two phase on

WIRING DIAGRAM







(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	2
Step angle:	1.8°
Rated Voltage:	3.6V
Rated Current/Phase:	6.0A
Resistance/Phase:	0.6Ω ±10% (20℃)
Inductance/Phase:	6.8mH±20%
Insulation Resistance:	100MΩMin (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	(CW)
Holding Torque:	8.5N.M
Insulation Class:	B
Motor Weight:	3.75Kg

/Unit: mm

FIRST ANGLE METHOD

REV	REVISION RECORD	DATE
C		
B		
A		

Hybrid Stepping Motor

NEMA 34-118-002

Specification

1:1

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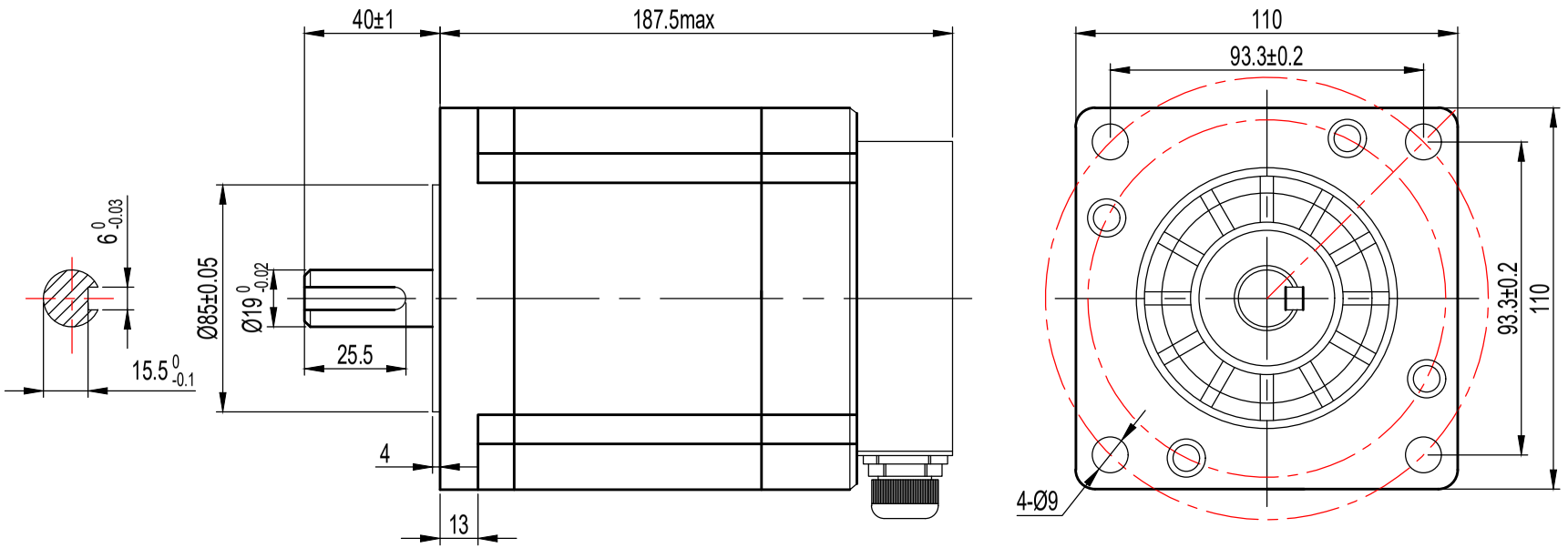
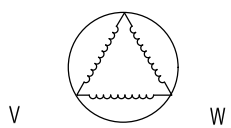


(COMMON RATINGS & SPECIFICATIONS)

Number of Phase:	3
Step angle:	1.2°
Rated Voltage:	220V
Rated Current/Phase:	6.0A
Resistance/Phase:	Ω ±10% (20℃)
Inductance/Phase:	mH±20%
Insulation Resistance:	100MΩ Min (500VDC)
Dielectric Strength:	500VAC 1 minute
Direction of Rotation:	
Holding Torque:	16N.M
Insulation Class:	B
Motor Weight:	

MOTOR WINDING



Unit: mm	C			Hybird Stepping Motor
	B			
	A			
FIRST ANGLE METHOD	REV	REVISION RECORD	DATE	
				1:1

NEMA 42-150-001

Specification

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