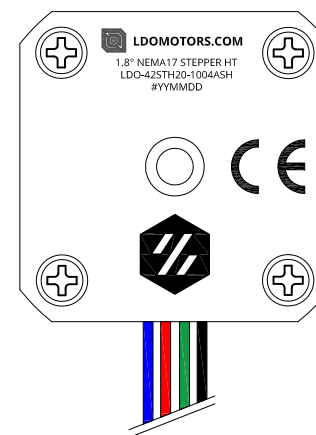
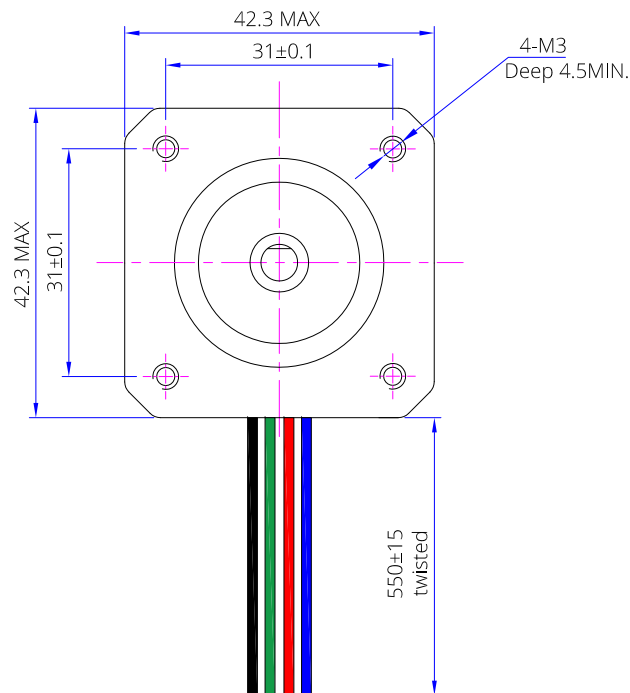
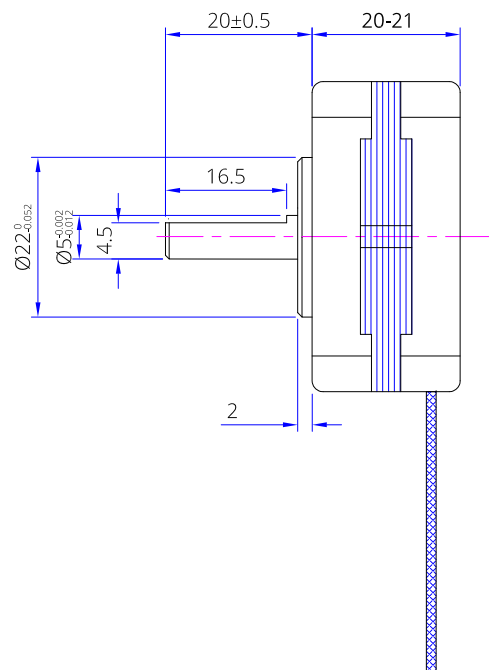
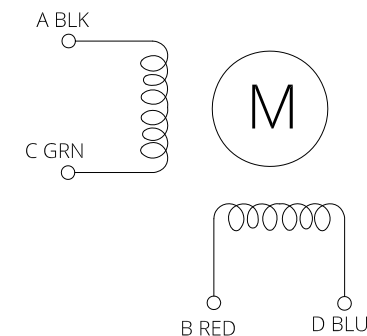


# SUPER-SLIM HT(180°C)



Diagram



**\* For Voron V1&2 AB Motor (Extruder Motor), 1pcs per printer.**

Item	Specification	Item	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC7.2V / Phase	Rated Current	DC 1.0A / Phase
Phase Resistance	7.2x(1±15%) Ω	Phase Inductance	7.0x(1±20%) mH
Holding Torque	1.8Kgf-cm (18N-cm)	Detent Torque	15 mN-m REF.
Rotate Direction	A-AB-B CW	Insulation Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	<b>Class H 180°C</b>
Rotor Inertia	21.4 g-cm² REF	Weight	127g REF

A		NEW RELEASE		Xu SD	J.B.	6/12/20
REV.	ECN NO.	DESCRIPTION		MADE BY	APPR. BY	DATE
		VIEW		LDO Motors Co., Ltd.		
		SCALE		Part NO.		
		NA		NEMA17 Stepper Motor HT LDO-42STH20-1004ASH(VRN)		
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.	
Xu SD	J.B.	J.B.	6/12/20		1/1	

A

B

C

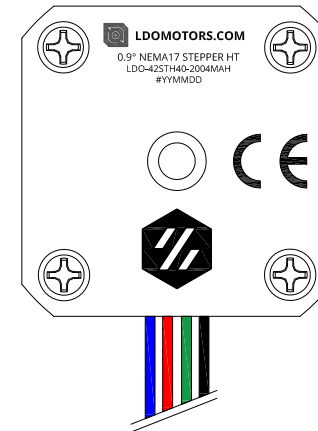
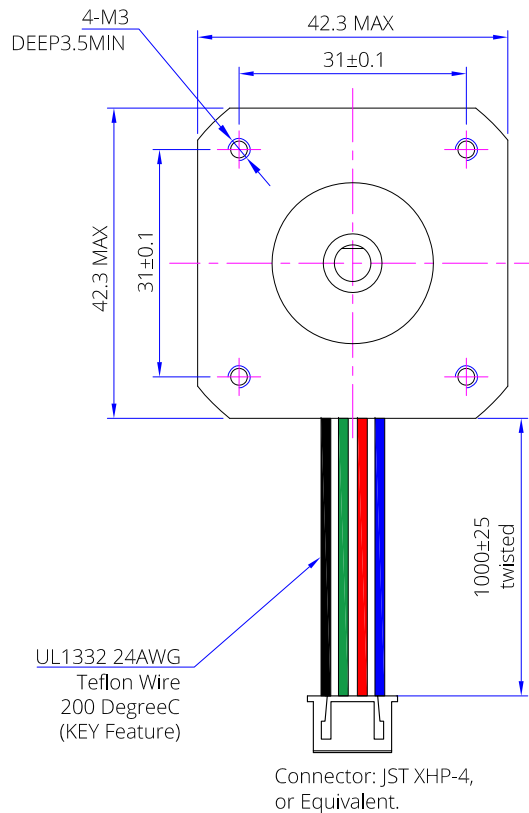
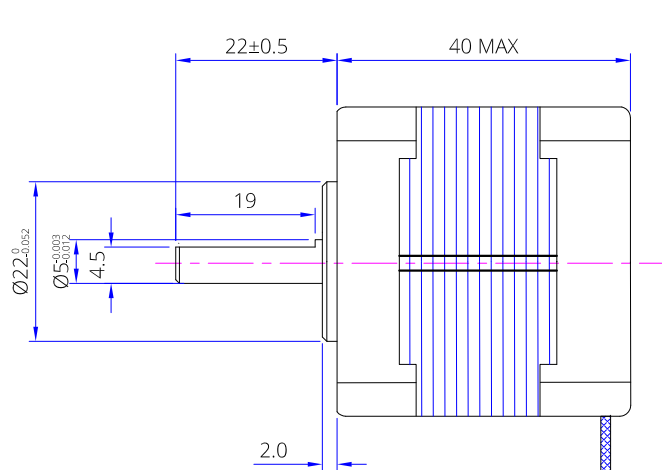
D

A

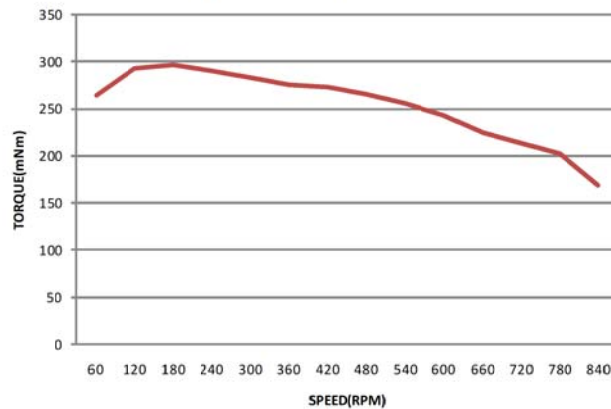
B

C

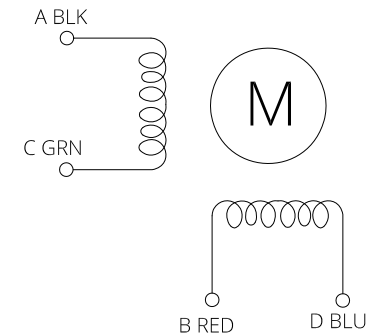
D



SPEED-TORQUE CURVER



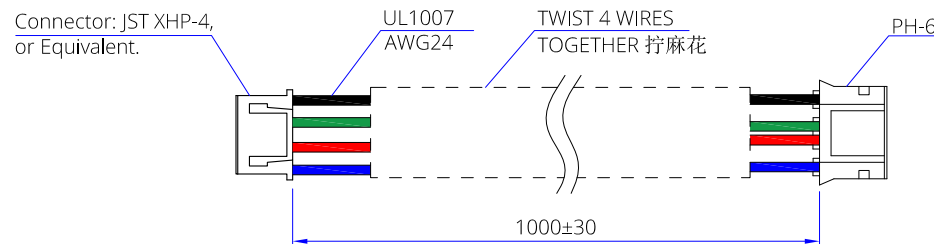
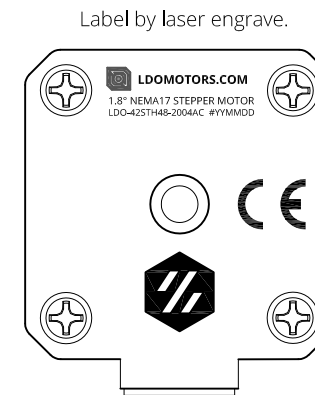
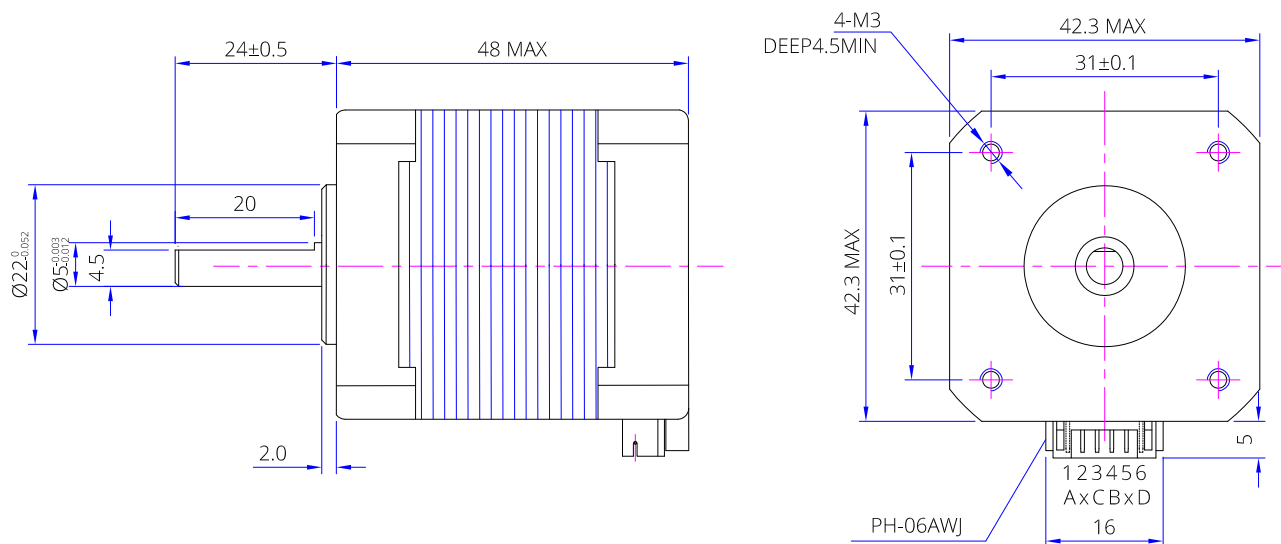
Diagram



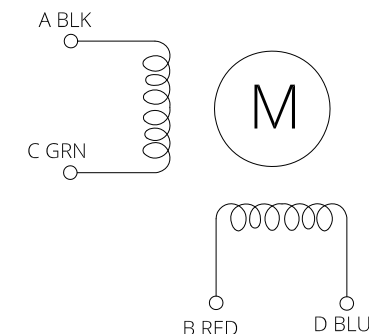
Item	Specification	Item	Specification
Phase Number	2	Step Angle	0.9° ± 5%
Rated Voltage	DC 2.1V / Phase	Rated Current	DC 2.0A / Phase
Phase Resistance	1.1x(1±15%) Ω	Phase Inductance	2.8x(1±20%) mH
Holding Torque	3.5Kgf-cm (350mN-m)	Detent Torque	10 mN-m REF.
Rotate Direction	A-AB-B CW	Insulate Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	<b>Class H 180°C</b>
Rotor Inertia	71 g-cm² REF	Weight	0.28 Kg REF

\* For Voron V1&2 A/B Motor (X/Y Motor), 2pcs per printer.

A	---	NEW RELEASE		Xu SD	J.B.
REV.	ECN NO.	DESCRIPTION		MADE BY	APPR. BY
		VIEW		LDO Motors Co., Ltd.	
		SCALE		Part NO.	
		NA		0.9° NEMA17 Stepper Motor HT	
				LDO-425TH40-2004MAH(VRN)	
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.
Xu SD	J.B.	J.B.	8/25/20		1/1



Diagram



**\* For Voron V1&2 Z Motor, 2-4pcs per printer.**

Item	Specification	Item	Specification
Phase Number	2	Step Angle	1.8° ± 5%
Rated Voltage	DC 3.2V / Phase	Rated Current	DC 2.0A / Phase
Phase Resistance	1.6x(1±20%) Ω	Phase Inductance	3.0x(1±20%) mH
Holding Torque	5.9Kgf-cm (59N-cm)	Detent Torque	20 mN-m REF.
Rotate Direction	A-AB-B CW	Insulate Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	Class B 130°C
Rotor Inertia	85 g-cm <sup>2</sup> REF	Weight	0.35 Kg REF

B	---	Increase shaft length to 24mm	Xu SD	J.B.	11/17/20
A	---	NEW RELEASE	Xu SD	J.B.	6/25/20
REV.	ECN NO.	DESCRIPTION	MADE BY	APPR. BY	DATE
		VIEW	<b>LDO Motors Co., Ltd.</b>		
		SCALE	Part No. <b>NEMA17 Stepper Motor LDO-425TH48-2004AC(VRN)</b>		
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.
Xu SD	J.B.	J.B.	6/25/20		1/1