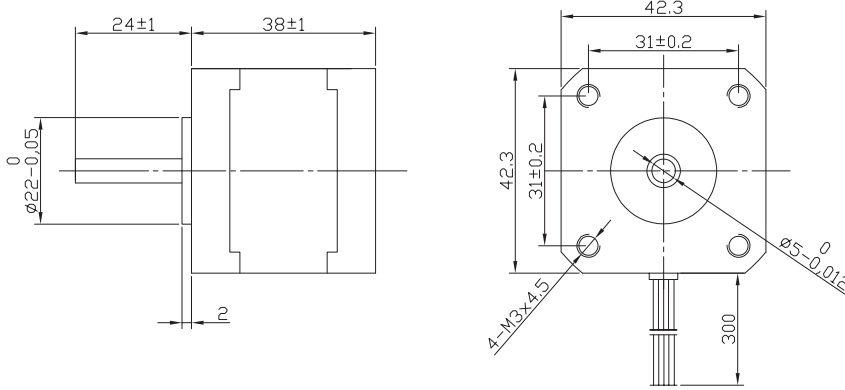




Dimensions in mm.



42SH38 - M

High TORQUE HYBRID
42MM 0,9°

Specifications

MODEL			42SH38-1AM	42SH38-2AM	42SH38-3AM	42SH38-4AM
1	RATED VOLTAGE	V	4	6	12	2,8
2	CURRENT/PHASE	A	1,2	0,8	0,4	1,68
3	RESISTANCE/PHASE	Ω	3,3	7,5	30	1,65
4	INDUCTANCE/PHASE	mH	3,4	6,7	30	3,2
5	HOLDING TORQUE	Nm	0,259	0,259	0,259	0,36
6	ROTOR INERTIA	g-cm ²	54	54	54	54
7	WEIGHT	Kg	0,28	0,28	0,28	0,28
8	NUMBER OF LEADS	N°	6	6	6	4

Characteristics

STEP ANGLE

0,9°

STEP ANGLE ACCURACY

± 5%

INSULATION CLASS

B

AMBIENT TEMPERATURE

-20°C +50°C

TEMP. RISE

80°C MAX (RATED CURRENT, 2 PHASE ON)

INSULATION RESISTANCE

100 M OHM MIN. 500 VDC

DIELECTRIC STRENGTH

500 VAC FOR ONE MINUTE

SHAFT RADIAL PLAY

0,02 MAX (450 G LOAD)

SHAFT AXIAL PLAY

0,08 MAX. (450 G LOAD)

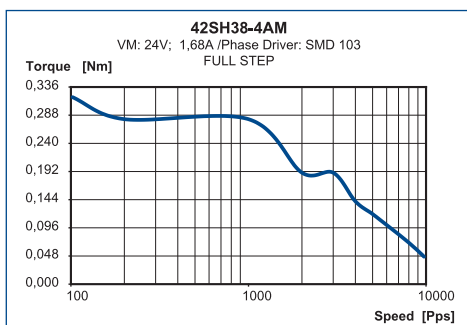
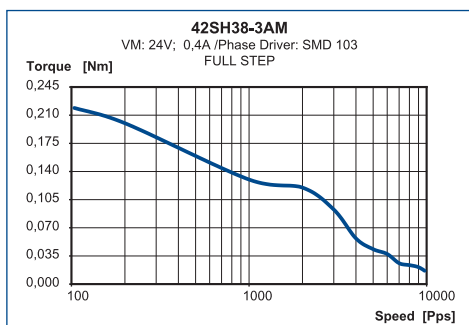
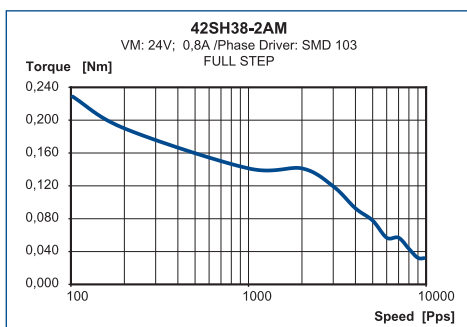
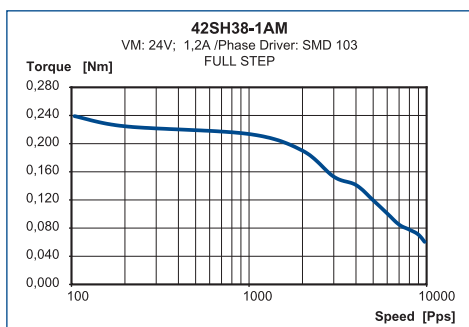
MAX RADIAL FORCE

28 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE

10 N

Speed vs. Torque Characteristics



Connection

LEAD N°	COLOR	GAUGE	FUNCTION
1	BLACK	UL1007 AWG24	PHASE A
2	GREEN	UL1007 AWG24	PHASE A-
3	RED	UL1007 AWG24	PHASE B
4	BLUE	UL1007 AWG24	PHASE B-
UNIPOLAR MOTOR			
5	YELLOW	UL1007 AWG24	COM PHASE A
6	WHITE	UL1007 AWG24	COM PHASE B