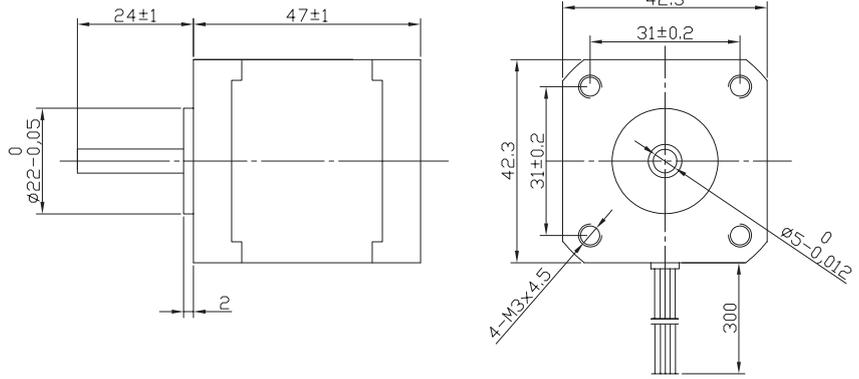


42SH47 - M

HIGH TORQUE HYBRID
42MM 0,9°



Dimensions in mm.

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)

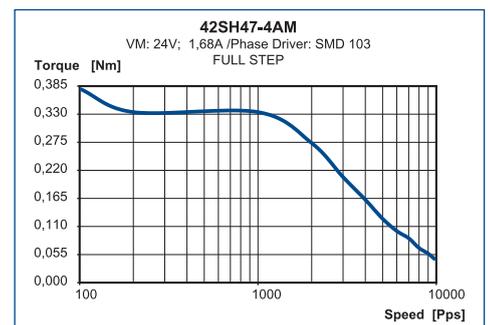
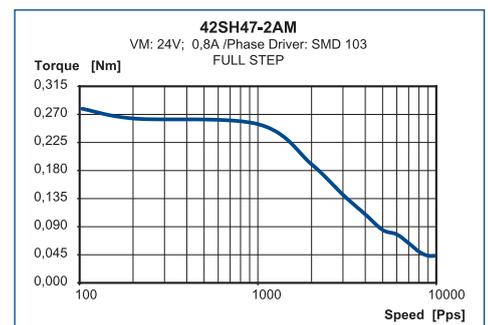
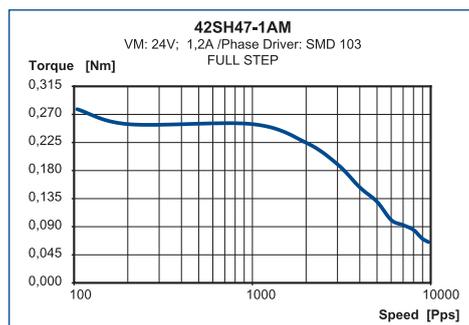
MAX RADIAL FORCE
28 N (20 MM FROM FRONT FLANGE)

MAX AXIAL FORCE
10 N

Specifications

MODEL		42SH47-1AM	42SH47-2AM	42SH47-3AM	42SH47-4AM	
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	4	10	38	4,1
5	HOLDING TORQUE	NM	0,317	0,317	0,317	0,44
6	ROTOR INERTIA	g-cm²	68	68	68	68
7	WEIGHT	Kg	0,35	0,35	0,35	0,35
8	NUMBER OF LEADS	N°	6	4	6	4

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