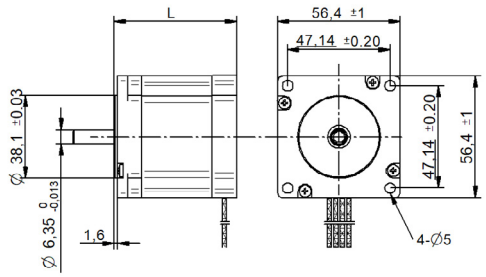
SHW57-09 Series ☐ 57 mm

DRAWING
(mm)



PHOTO

MODEL NAME DESIGNATION

SHW3520 – STEP ANGLE – CURRENT

Example: SHW35-09-100

CE RoHS Reach

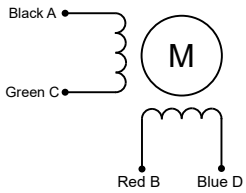
OPTIONS MOTOR DRIVERS AND POWER SUPPLIES

MOTOR FEATURES	
Step angle	0.9
Step angle accuracy	± 5% full step no load
Shaft material	X8CrNiS18-9 | 303
Bearing type	Ball bearing
Radial play	0.02 mm | 450 g
Axial play	0.08 mm | 450 g
Max. radial force	75N | 20 mm from shaft
Max. axial force	15N
Dielectric strength	600VAC | 1 sec.
Insulation resistance	100MΩ | 500VDC
Ambient temperature	-20° - (+50°)
Insulation class	Class B
IP rating	IP30
Connection leads	UL 1430 AWG22 | 300 mm
Connector	Not in standard version

CUSTOMIZATION EXAMPLES
Shaft configurations
Bearing type and preload
Temperature range
IP rating
Winding and performance optimization
Cabling and harness
Gear box to motor combinations
Encoder to motor combinations

OPTIONS
Stepper motor drivers Transmotec DS series
Power supplies Transmotec LRS series

EXCITATION SEQUENCE TABLE



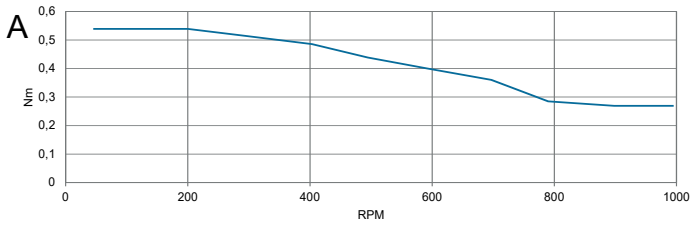
CW	A	C	B	D
1	●		●	
2		●	●	
3		●		●
4	●			●
1	●		●	

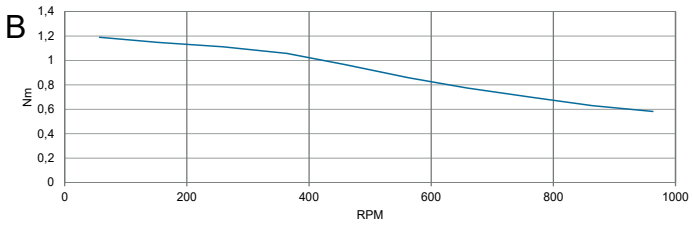
● = + Polarity

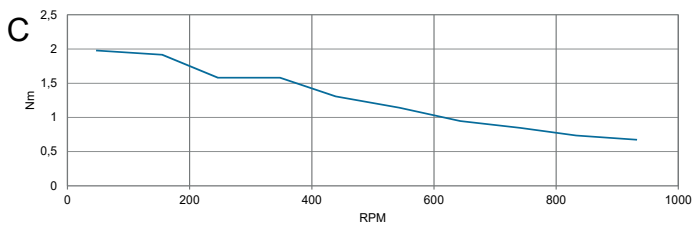
MOTOR DATA			
Graph	A	B	C
Motor model	SHW5741-09-280	SHW5756-09-280	SHW5776-09-280
Holding torque Nm	0.550	1.200	1.800
Detent torque Nm	0.021	0.040	0.068
Rotor inertia gcm²	120	300	480
Current | phase A	2.80	2.80	2.80
Resistance | phase Ω	0.70	0.90	1.13
Inductance | mH	2.2	4.5	5.6
Length mm	41.0	56.0	76.0
Weight Kg	0.450	0.700	1.000

SPEED | TORQUE PERFORMANCE GRAPH PULL OUT

Graph	A	B	C
Supply voltage VDC	48	48	48
Current | phase A	2.8	2	2







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