

PRADO

AUTOMAÇÃO INDUSTRIAL

86 series two-phase stepping motor



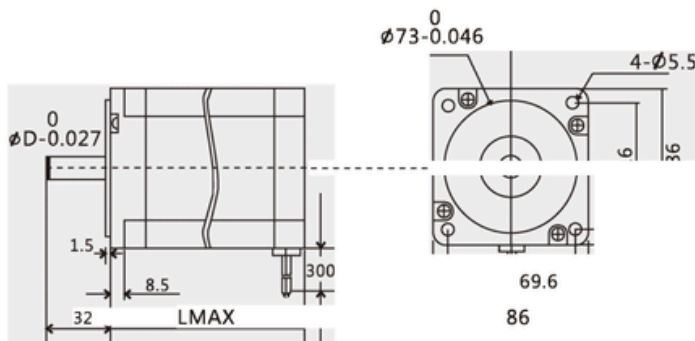
General specifications

Step accuracy	±5% (Whole step, Empty load)
Temperature rise	80 °C Max
Ambient temperature	-10 °C — +50 °C
Insulation resistance	100MΩmin. 500VDC
Pressure resistance	500VAC for one minute
Radial runout	0.06 Max. (450g-load)
Axial runout	0.08 Max. (450g-load)

Technical specifications

Model	Phase	Step angle (°)	Holding torque N.M	Rated current A	Phase inductance mH	Phase resistance Ohm	Number of leads	Rotor inertia g.cm ²	Positioning torque kg.cm	Motor weight Kg	Body length L(mm)
86BG65	2	1.8	3.5	2.8	3.9	1.4	4	800	0.8	2	65
86BG80	2	1.8	4.5	4.2	3.5	0.8	4	1400	1.3	2.3	80
86BG118	2	1.8	8.5	4.9	5.2	0.95	4	2800	2.5	3.8	118
86BG156	2	1.8	12	4.9	8.7	1.4	4	4000	3.8	5.4	156

Dimensions



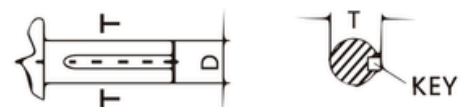
When the brake is required to be added, the motor length will increase by 40 mm.

Lead connection

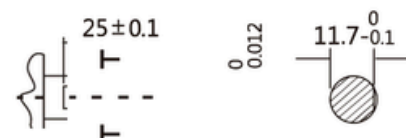
connection	Driver wiring	Corresponding motor leads	Applications
	A+	A	
	A-	C	
Tandem	B+	B	Low speed
	B-	D	
	Vacant	AC connect	
	Vacant	$\overline{B\overline{D}}$ connect	
in parallel	A+	$\overline{A\overline{C}}$	high speed
	A-	$\overline{A\overline{C}}$	
	B+	$\overline{B\overline{D}}$	
	B-	$\overline{B\overline{D}}$	

Motor shaft detailed parameters

	T	KEY	D
86BG65	/	/	12.7
86BG80	/	/	14
86BG118	16.59	5*5*25	14
86BG156	16	5*5*25	14



With key shaft diameter size



86A4 shaft size

Wiring diagram

