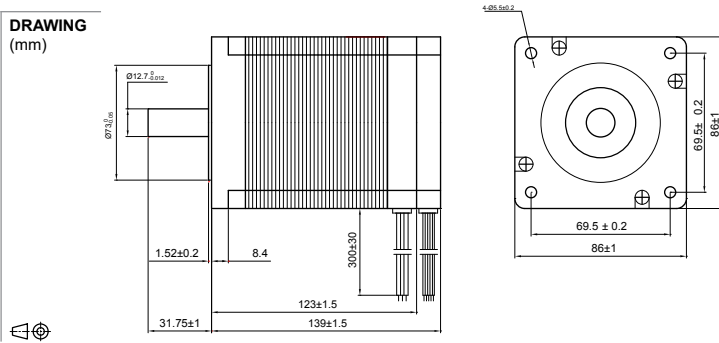


B86139 / Ø 86mm

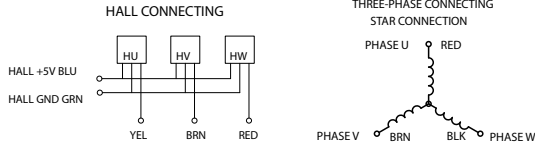
DRAWING (mm)



PHOTO



HALL CONNECTING



MODEL NO. DESIGNATION

MODEL - VOLTAGE

Example: B86139-12

MOTOR DATA

	Units	B86139-48	B86139	
Nominal voltage	V	48	Ambient temperature	°C -15°C ---- 48
Nominal power	W	657	Max. permissible winding temperature	°C 120
No load speed	rpm	3600	Max. permissible speed	rpm 5000 120
No load current	mA	1900	Axial play at axial load < 3,5 N	mm 0,1
Nominal speed	rpm	2990	Axial play at axial load > 3,5 N	mm 0,6
Nominal torque	Nm	2,098	Radial play	mm@g 0,02
Nominal current	A	16,5	Max. axial load (dynamic)	N 60
Stall torque	Nm	18500	Max. force for press fits (static)	N 560
Starting current	A	138	Max. force for press fits (static, shaft)	N 2000
Max. efficiency	%	84	Max. radial loading, 10 mm from flange	N 220
Terminal resistance phase to phase	Ω	0,07	Number of pole pairs	4
Terminal inductance phase to phase	mH	0,103	Number of phases	3
Torque constant	Nm / A	112	Weight	g 4100
Speed constant	rpm / V	110		
Speed / torque gradient	rpm / Nm	0,21		
Mechanical time constant	ms	4,83		
Rotor inertia	gcm ²	2400		