

MDB56GS

DC Brushless Motor

General information

- NEMA 23 frame size
- 8 poles with three phases
- Insulation class B, higher insulation class on request
- Bonded Neo Magnet
- Higher Output Torque with economical design

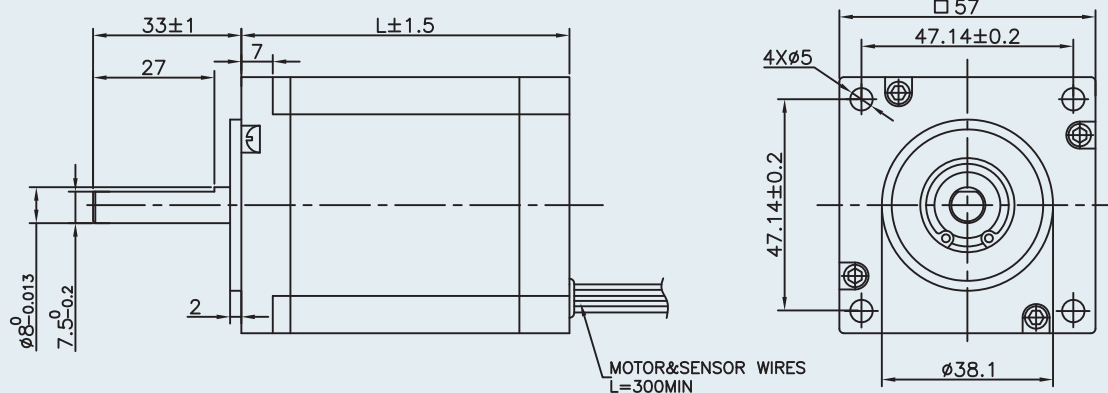


Specifications

SPECIFICATION		Unit	MDB56GS100	MDB56GS200	MDB56GS300	MDB56GS400
Supply Voltage (reference)	(Vs)	Vdc	36	36	36	36
Rated Continuous Torque	(Tcr)	Nm	0.15	0.30	0.45	0.60
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000	3000	3000
Rated Continuous Stall Current	(Ics)	A	2.00	3.80	5.6	7.8
Rated Continuous Output Power	(Po,c)	W	47	93	141	188
Rated Peak Torque	(Tpr)	Nm	0.37	0.75	1.13	1.50
Rated Peak Current	(Ipr)	A	4.50	9.00	13.5	18.5
Torque Constant	(KT)	Nm/A	0.0833	0.0817	0.0834	0.0811
Voltage Constant	(KE)	V/krpm	8.72	8.55	8.72	8.48
Terminal Resistance	(Rmt)	Ω	2.25	1.2	0.82	0.59
Inductance	(L)	mH	2.75	1.20	0.82	0.59
Insulation Class			B	B	B	B
Rotor Inertia	(Jr)	Kg.m ²	1.23E-05	2.14E-05	3.12E-05	4.03E-05
Motor Weight	(Wm)	Kg	0.50	0.80	1.10	1.40
Motor Length	(Lm)	mm	56	76	96	116

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● Mechanical



● Characteristic diagram

