

ME042WS DC Brushless Motor



● General Information

- ▶ 6 poles with three phases
- ▶ Wide speed range, flat torque
- ▶ Excellent speed stability
- ▶ Compact and high power
- ▶ High efficiency and energy-saving

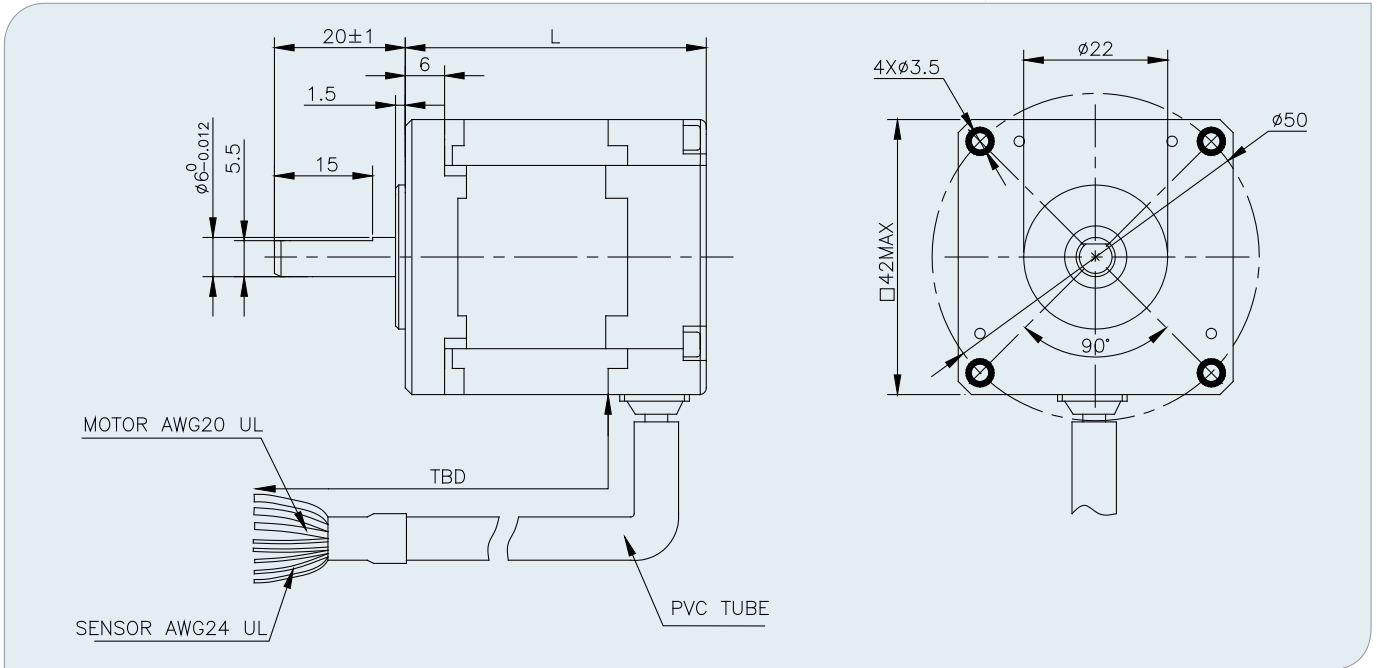
● Specification

	Unit	ME042WS100	ME042WS101	ME042WS200	ME042WS201	ME042WS300	ME042WS301
Rated Voltage	VDC	24	48	24	48	24	48
Max. Speed	RPM	5000	5000	5000	5000	5000	5000
Rated Speed	RPM	4000	4000	4000	4000	4000	4000
Rated Torque	Nm	0.072	0.072	0.144	0.144	0.215	0.215
Rated Current	A	1.67	0.81	3.28	1.63	4.92	2.4
Rated Power	W	30	30	60	60	90	90
Peak Torque	Nm	0.144	0.144	0.288	0.288	0.43	0.43
Peak Current	A	3.34	1.62	6.56	3.26	9.84	4.8
Ke(rms)	V/KRPM	2.95	6.13	3.0	6.0	3.0	6.1
L-L Resistance	OHMS	1.34	5.92	0.68	2.62	0.40	1.47
L-L Inductance	mH	1.15	3.15	0.6	2.5	0.37	1.57
Rotor Inertia	Kgcm ²	0.039	0.039	0.072	0.072	0.144	0.144
No.of Poles		6	6	6	6	6	6
Length	mm	46	46	70	70	100	100

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● *Mechanical*



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