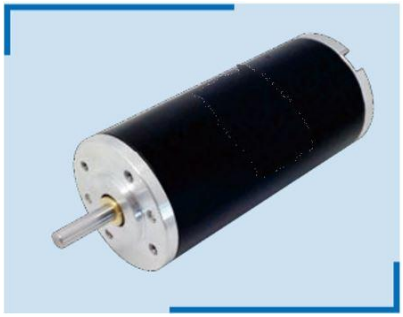
Permanent Magnet Brush DC Motor APBR42x85



Motor Specifications

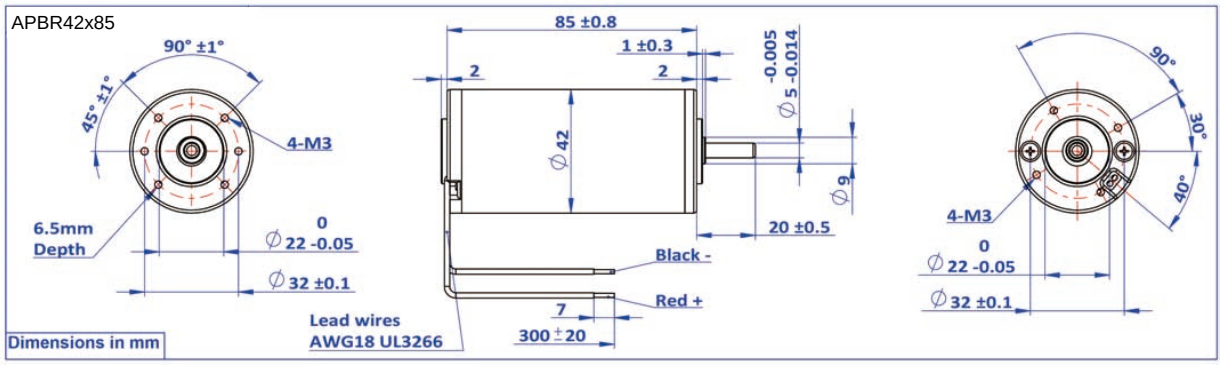
Shaft materials 3Cr13, HRC 36~40
High quality ball bearing
Hard ferrite magnet, 2- poles
Protection class IP 50
Insulation class: F, operating temperature range:-40℃~+140℃
CE and ROHS certified

Options

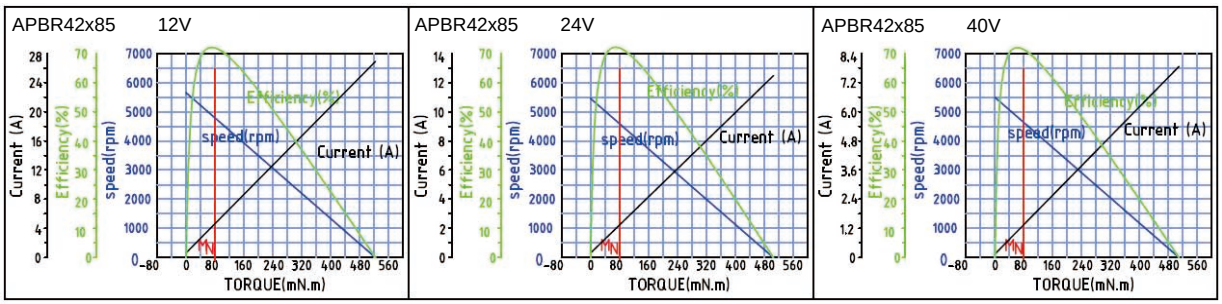
Customized voltage, winding, shaft, mounting, and lead configurations
EMI/RFI suppression circuit; Thermal protection, high temperature Class H insulation

Model	APBR42x85			
Rated voltage	V dc	12	24	40
Continuous rated speed	rpm	4785	4590	4628
Continuous rated torque	mN.m	80	80	80
Continuous current	A	4.65	2.23	1.36
Starting torque	mN.m	524.5	506.4	509.9
Starting current	A	27.09	12.49	7.82
No load speed	rpm	5646	5451	5489
No load current	A	0.44	0.16	0.12
Demagnetization current	A	50	25	14
Rotor inertia	gcm^2	115	115	115
Weight of motor	g	520	520	520
Motor length	mm	85	85	85

Drawing



Characteristic diagram



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