



86BLF直流无刷电机

一、电气性能

绕组方式Winding Type	星形Star	工作环境温度Ambient Temperature Range	-20C~+50°C
霍尔电位角度Hall Effect angle	120°	绝缘电阻Insulation Resistance	100MΩMin 500VC DC
绝缘等级Insulation Class	B级绝缘	介电强度Dielectric Strength	700V AC 1 minute

二、技术数据

型号Model	86BLF 80-430	86BLF 105-430	86BLF 115-430	86BLF 130-430	86BLF 130-630
极数Number of poles	4				
相数Number of phases	3				
额定电压Nominal voltage VDC	48	48	48	48	310
额定转速Rated speed RPM	3000	3000	3000	3000	3000
额定扭矩Rated torque N-M	1	1.8	2.1	2.5	2.5
额定电流Rated current Amps	8.5	14.8	17	19.5	4
输出功率Output power W	314	565	659	785	785
峰值扭矩Peak torque N-M	3	5.4	6.3	7.5	7.5
峰值电流Peak current Amps	25	42	51	55	12
力矩常数Torque constant N-M/A	0.131	0.131	0.127	0.127	0.127
反电势常数Back EMF constant V/K RPM	13.7	13.7	13.3	13.3	13.3
转动惯量Rotor inertia Kg·mm ²	120	230	266	320	320
机身长度Body length mm	80	105	115	130	130
重量Mass Kg	2.3	3.4	3.8	4.3	4.3

三、外形图

