

SteadyWin WKΛ\ \ · Frameless Motor Brushless

DC High Speed High Torque Low Noise



Description

Intelligence drives the future

In the dynamic landscape of cutting - edge technology, where the quest for superior performance and precise control knows no bounds, the WKΛ\ \ · Frameless Motor takes center stage as a revolutionary force. This extraordinary motor is not merely a piece of hardware; it's a catalyst for innovation, poised to transform the way you approach projects across a diverse range of industries.



When it comes to industrial automation, the WKΛ\ \ · is a true powerhouse. Its high - power density design packs a punch, allowing it to generate significant torque within a compact frame. This means that in manufacturing plants, where space is often at a premium, this motor can be seamlessly integrated into robotic arms, assembly lines, and other automated systems. With its ability to deliver consistent and reliable power, it ensures smooth and efficient operations, reducing downtime and boosting productivity to new heights.



detailed parameters

Parments（参数）	Unit（单位）	WK8110
Rated voltage（额定电压）	V	24
Rated current（额定电流）	A	2. 49
Rated torque（额定扭矩）	N. M	0. 93
Rated Speed（额定转速）	RPM	349
Peak Speed（最大转速）	RPM	566
Peak torque（堵转扭矩）	N. M	2. 40
Peak current（堵转电流）	A	6. 51
Winding turns of motor（绕线匝数）	T	30
Interphase resistance（相间电阻）	Ω	2. 29
Interphase inductance（相间电感）	mH	2. 32
Speed constant（转速常数）	rpm/v	24
Torque constant（扭矩常数）	N. M/A	0. 39
Rotor inertia（转子惯量）	gcm ²	1716
Number of pole pairs（极对数）	Pairs	21
Motor weight（电机重量）	g	206
Working temperature（工作温度范围）	℃	-20~80
Peak demagnetize temperature（最高退磁温度）	℃	120
Inner diameter of the stator（定子内径）	mm	58. 5
Motor Size（电机尺寸）	mm	Ø90*14