



Technical Data	ZWS90-1	ZWS90-1A	ZWS90-2
Duty	Continuous	Continuous	Continuous
Rated voltage(V)    Vm	48VDC	24VDC	48VDC
Output power	200w	200w	400w
Rated Torque	1.0Nm	1.0Nm	1.9Nm
Tmax	2.0Nm	2.0Nm	4.0Nm
VH	5.5VDC+_0.5V	5.5VDC+_0.5V	5.5VDC+_0.5V
Rated Speed(rpm)	2000rpm	2000rpm	2000rpm
Rotation	CW/CCW	CW/CCW	CW/CCW
Bearing	Ball	Ball	Ball
Operation Ambient temperature(centigrade degree)	-20~+40	-20~+40	-20~+40

Storage temperature(centigrade degree)	-40~+80	-40~+80	-40~+80
Length L(mm)	79	79	114
Ke V/Krpm	20	10	20
Kt Nm/A	0.2	0.1	0.2
Resistance(phase-phase)	0.6	0.15	0.25
J ( Kg/m^2)	0.16	0.16	0.32

**Note:****1.This motor must use external controller.****2.The PDF file of ZWS90-2 can be downed from below.**[Outline drawing](#)[Performance data](#)