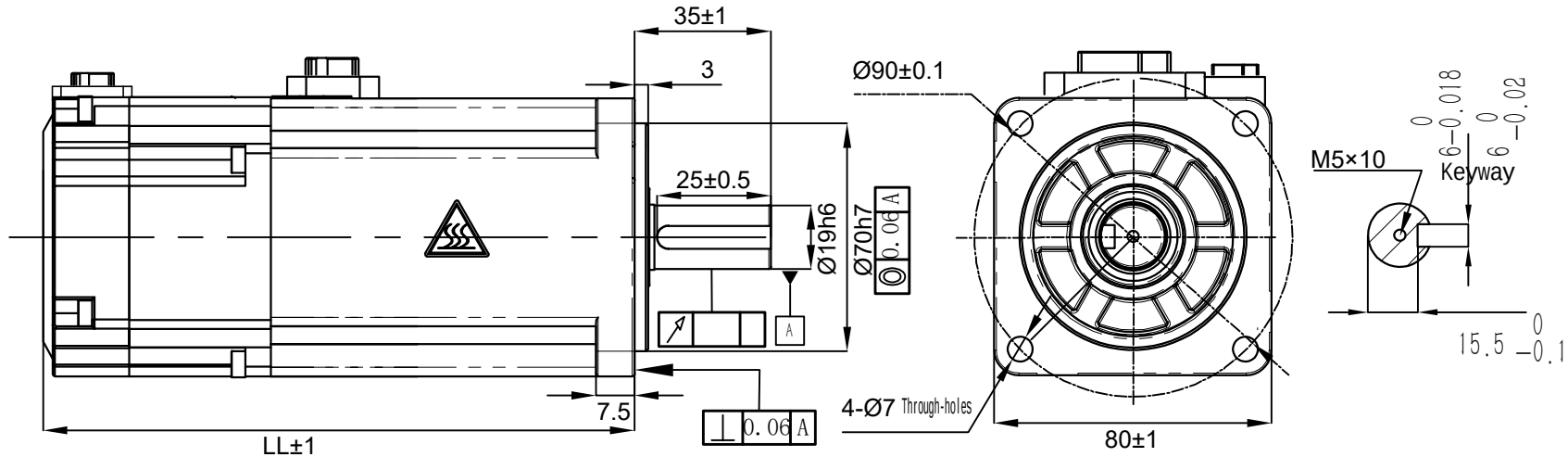


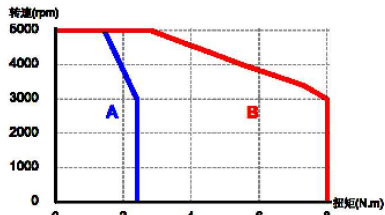
标记(Mark)	处数(NO.)	更改文件号(File change No.)	更改内容(Content changed)	签名(Signature)	日期(Date)

Technical Requirement:

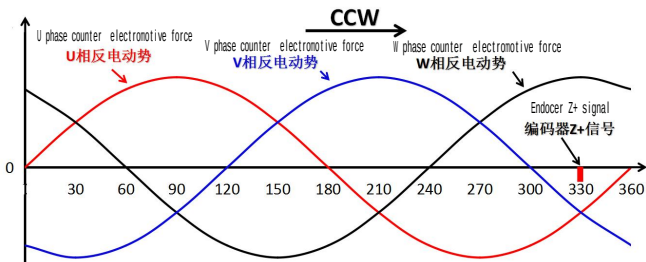
1. Straightness, flatness, roundness, and coaxiality not specified shall be 0.2, while parallelism, perpendicularity, and symmetry shall be 0.6.
2. The unmarked dimensional tolerance is ± 0.2
3. The dashed box and 【】 indicate the parameters of the brake motor



Speed-torque characteristic curve



- A. Continuous Duty Zone
B. Intermittent Duty Zone



Encoder zero point and motor phase relationship

Definition of motor lead wires

Winding lead wire						Encoder lead wires for NO.6 and 7 only for mliturn motors							
NO	1	2	3	4	5	6	1	2	3	4	5	6	7
Color	Red	White	Black	Yellow Green	Red	Black	Shielded	Red	White	Blue	Blue Black	Black	Black White
Difinition	U	V	W	PE	24V	0V	PE	5V	0V	SD+	SD-	VB+	VB-
Winding connector						Encoder connector							
Brake connector													

Brake parameter

Rated voltage DC(V)	24 $\pm 10\%$
Rated power(W)	11.5
Exciting current(A)	0.48
Insulation level	F
Static Torque(N.m)	≥ 3.5
Insulation resistance(M Ω)	> 100
Insulation voltage	1500V/1s/5mA
Spinning gap(°)	< 0.5
Environmental temperature for use(°C)	-10 $\sim$ +80
Attraction time(ms)	< 70
Release time(ms)	< 20
Attraction voltage(V)	< 16.8
Release voltage(V)	> 1.5
Running noise(dB A)	< 60

Technical Specifications:	
Rated voltage(V)	220
Rated power (W)	750
Number of rotor pole pairs(p)	5
Rated torque(N.m)	2.4
Instantaneous maximum moment(N.m)	8
Rated speed/Maximum speed(RPM)	3000/5000
Current rating(A(rms))	4.8 $\pm 10\%$
Instantaneous maximum current(A(rms))	16 $\pm 10\%$
Moment coefficient(N.m/A(rms))	0.5 $\pm 10\%$
Back EMF coefficient($\times 10^{-3}$ V/rpm)	35 $\pm 10\%$
Resistance(Ω)	1.4 $\pm 10\%$ (20 $^{\circ}$ C)
Inductance(mH)	6.8 $\pm 20\%$ (20 $^{\circ}$ C)
Inertia($\times 10^{-4}$ kg.m 2)	1.72[1.77] $\pm 10\%$
Maximum radial load(N)	392
Maximum axial load(N)	147
Weight(kg)	2.2[3] $\pm 10\%$
Protective structure	IP65
Insulation rating	F
Insulation resistance	$> 20M\Omega$ DC500V
Insulation withstand voltage	1500VAC/1s/5mA
Direction of rotation	Rotate counterclockwise from the extension end of the motor shaft (CCW)
Vibration level	Rated for operation Class A
Surroundings	Use surroundings: Temperature: -20 $^{\circ}$ C~40 $^{\circ}$ C, humidity 20%-80%RH (no condensation), altitude below 1000 meters (used to reduce the rating value of the altitude range if the temperature is exceeded) Storage surroundings: Temperature: -20 $^{\circ}$ C~60 $^{\circ}$ C (no freezing) Humidity 20%-80%RH (no condensation)
Impact strength	98m/s 2
Vibration resistance	49m/s 2

Model I	Version	LL	Brake	Oil seal	Front cover color	Encoder
RSHA-H08J2430C V3.0		106	x	√	Black	17bit single turn magnetic encoder
RSHA-H08J2430C-Z V3.0		140	√	√	Black	17bit single turn magnetic encoder
RSHA-H08G2430C V3.0		106	x	√	Black	17bit multiturn magnetic encoder
RSHA-H08G2430C-Z V3.0		140	√	√	Black	17bit multiturn magnetic encoder
RSHA-H08L2430C V3.0		106	x	√	Black	23bit multiturn optical encoder
RSHA-H08L2430C-Z V3.0		140	√	√	Black	23bit multiturn optical encoder

设计 Designed	标准化 Standardized	材料(Material):	名称(Title)	750W servo motor
制图 Drawn			型号(Model)	See bottom left
校对 Proofread	审核 Checked	重量(Weight)/g:	图号(DWG No.)	
工艺 Processed	批准 Approved	阶段标记(Stage Mark)	料号(Part No.)	
表单编号 Form No.	版本/版次 Edition/Serial NO.	共1页第1页Page 1 of 1	比例(Scale)	NTS