

Hang Zhou Mige Electric CO., Ltd

Add: Number 5, Dingshan Road, Wenyan Town, Xiaoshan District, Hangzhou City,
Zhejiang Province, China Zip: 311258

Website: www.hzmgdj.com.cn E-mail: hzmgdj@yahoo.com.cn

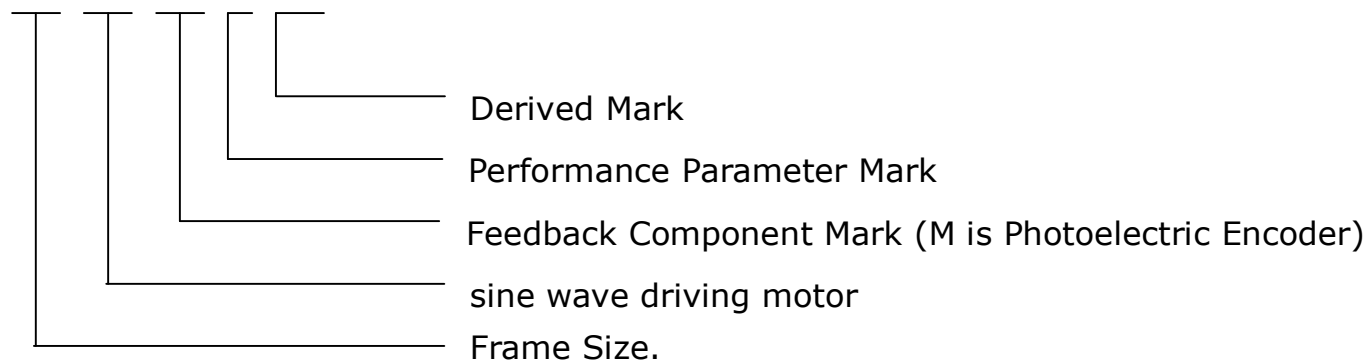
Mob: +8613758261177 Tel: +86-0571-82486685 Fax: +86-0571-82308685

MSN: zhanchunjin@hotmail.com Skype: lisazhan1

Motor name

The model of motor includes seat No. & symbol of product & mark of performance parameter and so on.

□ ST— □ □ □



Seat No.: 60、80、90、110、130、180.

Feedback Component Mark: M is Photoelectric Encoder.

Performance Parameter Mark: the first, second and third is rated torque;

the forth and fifth are rated speed;

e.g.: Performance Parameter Mark 02030 indicates the rated torque is 2NM,
rated speed is 3000rpm.

Derived Mark: Z—sittian arrester brake



Item: MiGE 60Series

Specifications

Motor model	60ST-M00630	60ST-M01330	60ST-M01930
Rated power(W)	200	400	600
Rated voltage(V)	220	220	220
Rated current(A)	1.5	2.8	3.5

Rated speed(rpm)	3000	3000	3000
Holding torque(N.m)	0.637	1.27	1.91
Peak torque(N.m)	1.911	3.8	5.73
Voltage constant(V/1000r/min)	28	28	28
Torque coefficient(N.m/A)	0.42	0.5	0.55
Rotor inertia(Kg.m ²)	0.17×10^{-4}	0.302×10^{-4}	0.438×10^{-4}
Line-line Resistance(Ω)	11.6	5.83	3.49
Line-line Inductance(mH)	22	12.23	8.47
Machanical time-constant(Ms)	1.9	2.1	2.4
Weight(Kg)	1.11	1.33	1.78
Encoder line number(PPR)	2500		
Insulation class	Class B(130℃)		
Safety class	IP64		
The operating of Evironmental Conditions	Temperature: -20℃ ~ +50℃ Humidity: Below 90%RH No dewing		

Motor winding plue	Winding lead wire	U(red)				V(yellow)				W(blue)				PE(yellow, green/black)		
	Plug serial numberr	1				2				3				4		
Encoder plug	Signal lead wire	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
	Color	red	black	green	yellow black	brown	yellow black	brown black	blue	grey	white black	grey black	blue black	green black	White black	

※ Other special requirements please contact the MIGE Technology or agents to negotiate

Installation precaution:

1. Installation/disassembly components coupled to the motor shaft end, do not hit hard shaft to prevent the other side of motor shaft encoder was knocked out bad.
2. Striving to make the best of its shaft to prevent vibration and bearing damage.

Installation dimension



Item: MiGE 80Series

Specifications

Motor model	80ST-M01330	80ST-M02430	80ST-M03520	80ST-M04025
Rated power(KW)	0.4	0.75	0.73	1.0
Rated voltage(V)	220	220	220	220
Rated current(A)	2	3	3	4.4
Rated speed(rpm)	3000	3000	2000	2500
Holding torque(N.m)	1.27	2.39	3.5	4
Peak torque(N.m)	3.8	7.1	10.5	12
Peak current(A)	6	9	9	13.2
Voltage constant(V/krpm)	40	48	71	56
Torque coefficient(N.m/A)	0.64	0.8	1.17	0.9
Rotor inertia(Kg.m ²)	1.32×10^{-4}	2.4×10^{-4}	3×10^{-4}	3.5×10^{-4}
Line-line Resistance(Ω)	4.44	2.88	3.65	1.83
Line-line Inductance(mH)	7.93	6.4	8.8	4.72
Machanical time-constant(Ms)	1.66	2.22	2.4	2.58
Weight(Kg)	1.78	2.86	3.7	3.8
Encoder line number(PPR)	2500			
Insulation class	Class B(130℃)			
Safety class	IP65			
The operating of Evironmental Conditions	Temperature: -20℃ ~ +50 ℃ Humidity: Below 90%RH No dewing			

Motor winding plue	Winding lead wire	U(red)				V(yellow)				W(blue)				PE(yellow, green/black)			
	Plug serial numberr	1				2				3				4			
Encoder plug	Signal lead wire	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE	
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	

	Color	red	black	green	yellow	brown		brown		grey		grey	blue	green	White	
					black		yellow	black	blue		white	black	black	black	black	

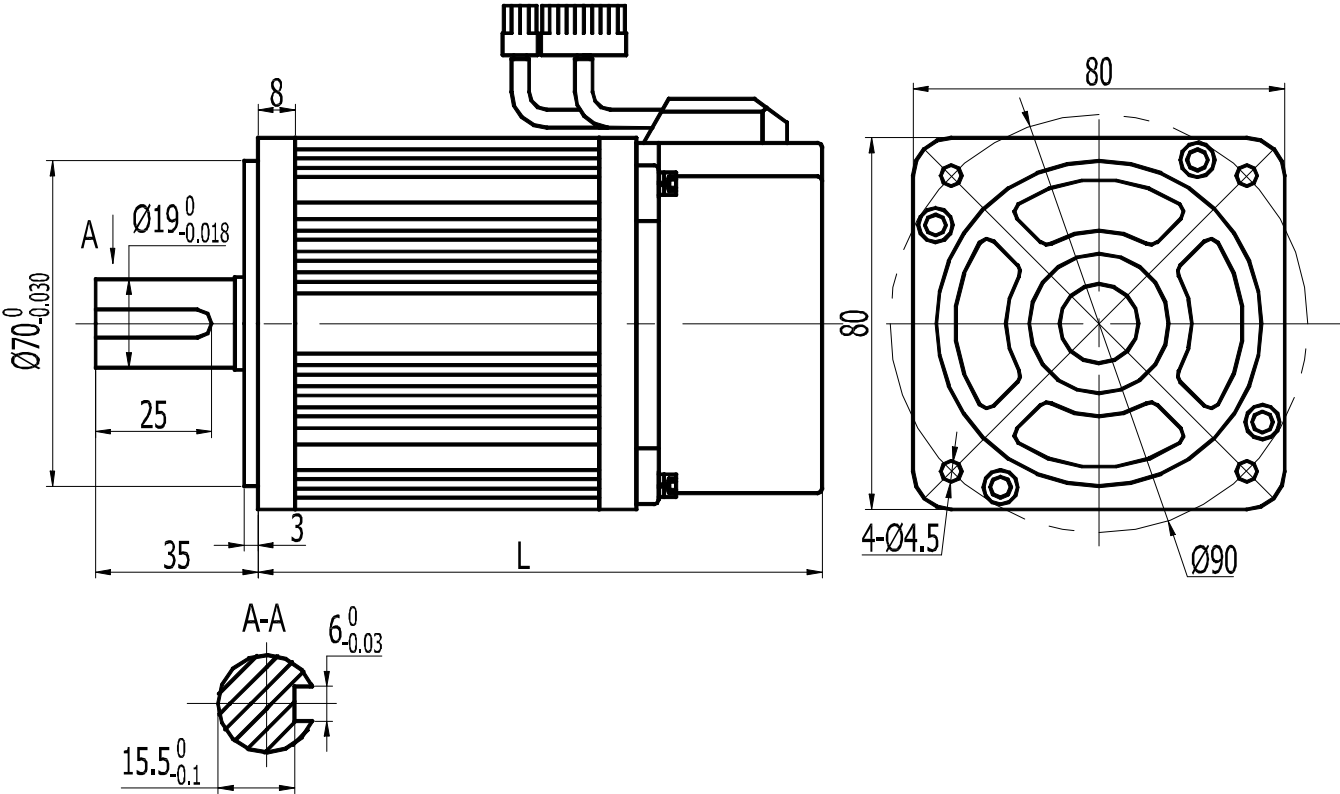
※ Other special requirements please contact the MIGE Technology or agents to negotiate

Installation precaution:

1. Installation/disassembly components coupled to the motor shaft end, do not hit hard shaft to prevent the other side of motor shaft encoder was knocked out bad.
2. Striving to make the best of its shaft to prevent vibration and bearing damage.

Installation dimension

Model	L
80ST-M01330	123
80ST-M02430	150
80ST-M03520	178
80ST-M04025	190





Item: MiGE 90Series

Specifications

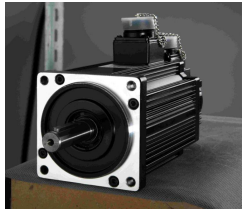
Motor model				90ST-M02430				90ST-M03520				90ST-M04025					
Rated power(KW)				0.75				0.75				1.0					
Rated voltage(V)				220				220				220					
Rated current(A)				3				3				4					
Rated speed(rpm)				3000				2000				2500					
Holding torque(N.m)				2.4				3.5				4					
Peak torque(N.m)				7.1				10.5				12					
Peak current(A)				9				7.5				12					
Voltage constant(V/krpm)				51				67				60					
Torque coefficient(N.m/A)				0.8				1.2				1.0					
Rotor inertia(Kg.㎡)				2.45×10-4				3.4×10-4				3.7×10-4					
Line-line Resistance(Ω)				3.2				4.06				2.69					
Line-line Inductance(mH)				7.0				9.7				6.21					
Machanical time-constant(Ms)				2.2				2.39				2.3					
Weight(Kg)				3.4				3.8				4.13					
Encoder line number(PPR)				2500													
Insulation class				Class B(130℃)													
Safety class				IP65													
The operating of Evironmental Conditions				Temperature: -20℃ ~ +50 ℃													
				Humidity: Below 90%RH No dewing													
Motor winding plue	Winding lead wire	U(red)				V(yellow)				W(blue)				PE(yellow, green/black)			
	Plug serial numberr	1				2				3				4			
Encoder plug	Signal lead wire	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE	
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	
	Color	red	black	green	yellow	brown		brown		grey		grey	blue	green	White		
					black		yellow	black	blue		white	black	black	black	black		

※ Other special requirements please contact the MIGE Technology or agents to negotiate

1. Installation/disassembly components coupled to the motor shaft end, do not hit hard shaft to prevent the other side of motor shaft encoder was knocked out bad.
2. Striving to make the best of its shaft to prevent vibration and bearing damage.

Model	L
90ST-M02430	149
90ST-M03520	171
90ST-M04025	181





Item: MiGE 110Series
Specifications

Motor model	110ST-M02030	110ST-M04020	110ST-M04030
Rated power(KW)	0.6	0.8	1.2
Rated voltage(V)	220	220	220
Rated current(A)	2.5	3.5	5.0
Rated speed(rpm)	3000	2000	3000
Holding torque(N.m)	2	4	4
Peak torque(N.m)	6	12	12
Voltage constant(V/krpm)	56	79	54
Torque coefficient(N.m/A)	0.8	1.14	0.8
Rotor inertia(Kg.m ²)	0.31×10^{-3}	0.54×10^{-3}	0.54×10^{-3}
Line-line Resistance(Ω)	3.6	2.41	1.09
Line-line Inductance(mH)	8.32	7.3	3.3
Machanical time-constant(Ms)	2.3	3	3.0
Weight(Kg)	4.5	5.5	5.5
Motor model	110ST-M05030	110ST-M06020	110ST-M06030
Rated power(KW)	1.5	1.2	1.8
Rated voltage(V)	220	220	220
Rated current(A)	6.0	4.5	6.0
Rated speed(rpm)	3000	2000	3000
Holding torque(N.m)	5	6	6
Peak torque(N.m)	15	12	18
Voltage constant(V/krpm)	62	83	60
Torque coefficient(N.m/A)	0.83	1.3	1.0
Rotor inertia(Kg.m ²)	0.63×10^{-3}	0.76×10^{-3}	0.76×10^{-3}
Line-line Resistance(Ω)	1.03	1.46	0.81
Line-line Inductance(mH)	3.43	4.7	2.59
Machanical time-constant(Ms)	3.33	3.2	3.2
Weight(Kg)	6.1	6.7	6.7
Encoder line number(PPR)	2500		
Insulation class	Class B(130℃)		
Safety class	IP65		
The operating of Evironmental Conditions	Temperature: -20℃ ~ +50 ℃		

			Humidity: Below 90%RH No dewing													
Motor winding plue	Winding lead wire	U				V				W				PE		
	Plug serial numberr	2				3				4				1		
Encoder plug	Signal lead wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1

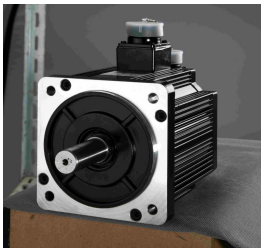
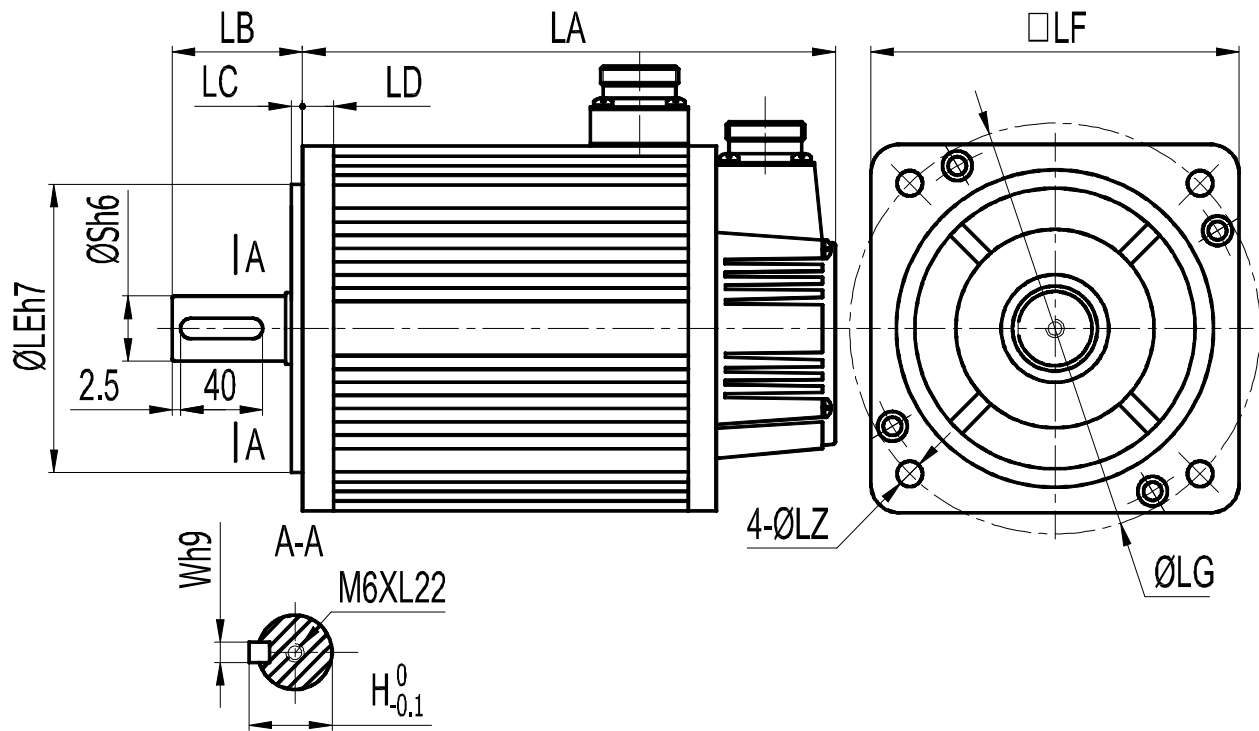
※ Other special requirements please contact the MIGE Technology or agents to negotiate

Installation precaution:

1. Installation/disassembly components coupled to the motor shaft end, do not hit hard shaft to prevent the other side of motor shaft encoder was knocked out bad.
2. Striving to make the best of its shaft to prevent vibration and bearing damage.

Installation dimension

	110series			
Rated torque(N.m)	2	4	5	6
LA	159	189	204	219
LB	55	55	55	55
LC	5	5	5	5
LD	12	12	12	12
LE	95	95	95	95
LF	110	110	110	110
LG	130	130	130	130
LZ	9	9	9	9
S	19	19	19	19
H	21.5	21.5	21.5	21.5
W	6	6	6	6



Item: MiGE 130Series
Specifications

Motor model	130ST-M04025	130ST-M05025	130ST-M06025	130ST-M07725
Rated power(KW)	1.0	1.3	1.5	2.0
Rated voltage(V)	220	220	220	220
Rated current(A)	4.0	5.0	6.0	7.5
Rated speed(rpm)	2500	2500	2500	2500
Holding torque(N.m)	4	5.0	6	7.7
Peak torque(N.m)	12	15	18	22
Voltage constant(V/krpm)	72	68	65	68
Torque coefficient(N.m/A)	1.0	1.0	1.0	1.03
Rotor inertia(Kg.m ²)	0.85×10 ⁻³	1.06×10 ⁻³	1.26×10 ⁻³	1.53×10 ⁻³
Line-line Resistance(Ω)	2.76	1.84	1.21	1.01
Line-line Inductance(mH)	6.42	4.9	3.87	2.94
Machanical time-constant(Ms)	2.32	2.66	3.26	3.80

Weight(Kg)		7.7				8.2				8.9				10					
Motor model		130ST-M10010				130ST-M10015				130ST-M10025				130ST-M15015				130ST-M15025	
Rated power(KW)		1.0				1.5				2.6				2.3				3.8	
Rated voltage(V)		220				220				220				220				220	
Rated current(A)		4.5				6.0				10				9.5				13.5	
Rated speed(rpm)		1000				1500				2500				1500				2500	
Holding torque(N.m)		10				10				10				15				15	
Peak torque(N.m)		20				25				25				30				30	
Voltage constant(V/krpm)		140				103				70				114				67	
Torque coefficient(N.m/A)		2.2				1.67				1.0				1.58				1.11	
Rotor inertia(Kg.m²)		1.94×10-3				1.94×10-3				1.94×10-3				2.77×10-3				2.77×10-3	
Line-line Resistance(Ω)		2.7				1.29				0.73				1.1				0.49	
Line-line Inductance(mH)		8.8				5.07				2.45				4.45				1.68	
Machanical time-constant(Ms)		3.26				3.93				3.36				4.05				3.43	
Weight(Kg)		11.5				11.5				11.5				14.4				14.4	
Encoder line number(PPR)		2500																	
Insulation class		Class B(130℃)																	
Safety class		IP65																	
The operating of Environmental Conditions		Temperature: -20℃ ~ +50 ℃																	
		Humidity: Below 90%RH No dewing																	
Motor winding plue	Winding lead wire	U				V				W				PE					
	Plug serial numberr	2				3				4				1					
Encoder plug	Signal lead wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE			
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1			

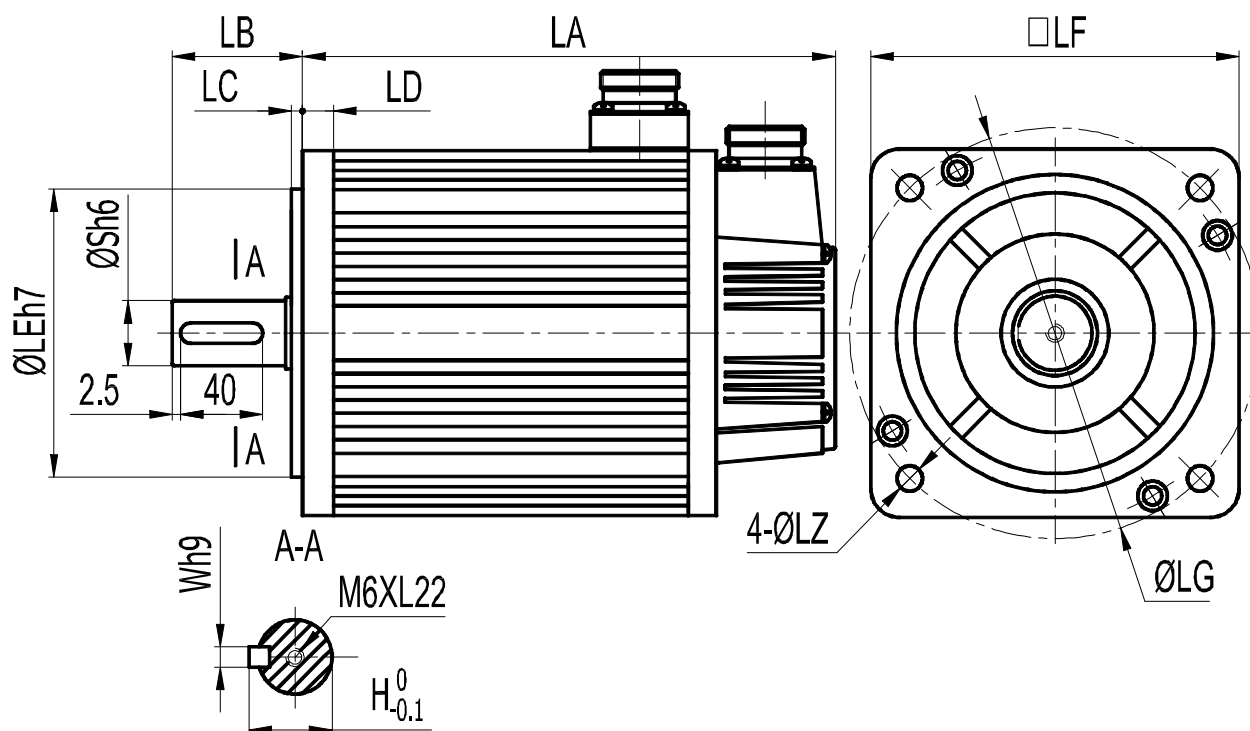
※ Other special requirements please contact the MIGE Technology or agents to negotiate

Installation precaution:

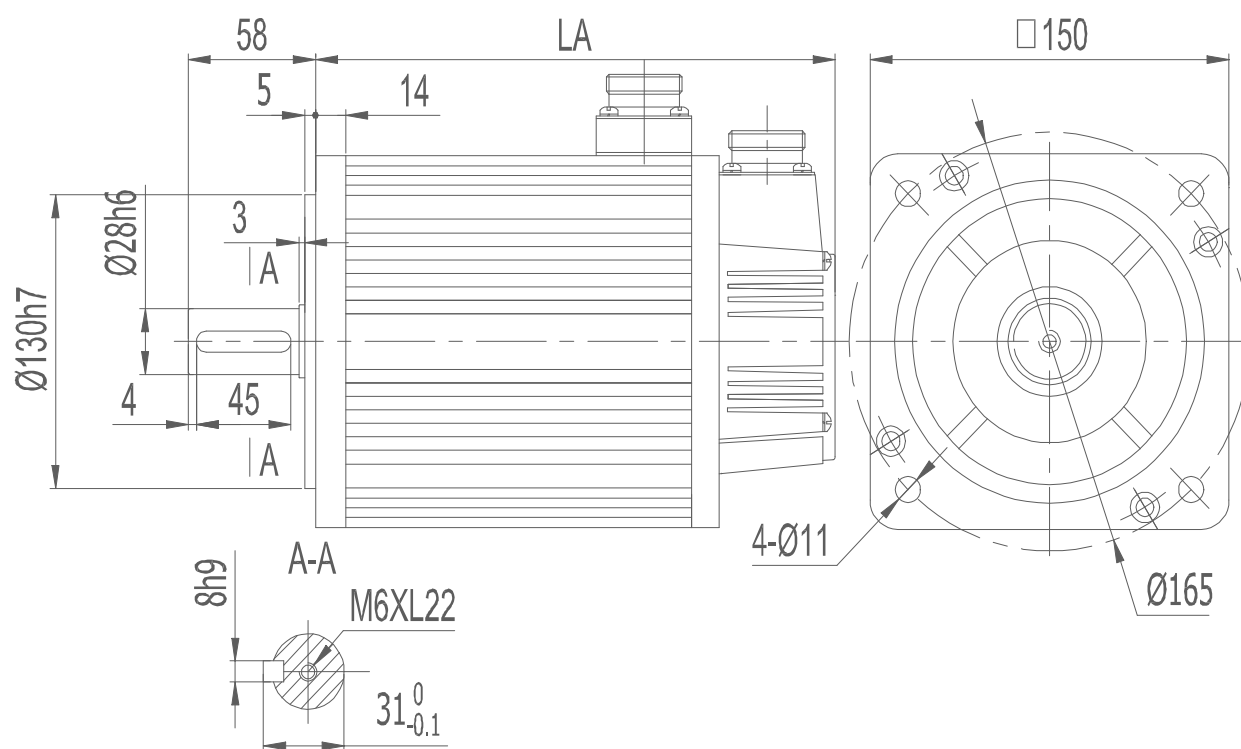
1. Installation/disassembly components coupled to the motor shaft end, do not hit hard shaft to prevent the other side of motor shaft encoder was knocked out bad.
2. Striving to make the best of its shaft to prevent vibration and bearing damage.

Installation dimension

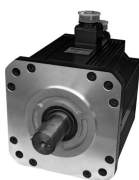
130series									
Rated torque(N.m)	4	5	6	7.7	10			15	
					1000rpm	1500rpm	2500rpm	1500rpm	2500rpm
LA	166	171	179	192	213		209	241	231
LB	57	57	57	57	57			57	
LC	5	5	5	5	5			5	
LD	14	14	14	14	14			14	
LE	110	110	110	110	110			110	
LF	130	130	130	130	130			130	
LG	145	145	145	145	145			145	
LZ	9	9	9	9	9			9	
S	22	22	22	22	22			22	
H	24.5	24.5	24.5	24.5	24.5			24.5	
W	6	6	6	6	6			6	



Motor Model	150ST-M15025				150ST-M15020				150ST-M18020				150ST-M23020				150ST-M27020			
Rated power (KW)	3.8				3.0				3.6				4.7				5.5			
Rated voltage (V)	220				220				220				220				220			
Rated current (A)	17				14				17				21				24			
Rated speed (rpm)	2500				2000				2000				2000				2000			
Rated torque (N.m)	15				15				18				23				27			
Peak torque (N.m)	30				30				36				46				54			
Voltage constant (V/1000r/min)	59				70				71				72				64			
Torque coefficient (N.m/A)	0.88				1.07				1.05				1.09				1.1			
Rotor inertia (Kg.m ²)	3.88×10 ⁻³				3.88×10 ⁻³				4.6×10 ⁻³				5.8×10 ⁻³				6.8×10 ⁻³			
Line-line Resistance (Ω)	0.23				0.34				0.255				0.2				0.125			
Line-line Inductance (mH)	1.08				1.55				1.3				1.06				0.7			
Machnical time-contant (Ms)	4.7				4.56				5.1				5.3				5.6			
Weight (Kg)	15.2				15.2				17.2				21				23.5			
Encoder line number (PPR)	2500																			
Insulation class	Class B (130℃)																			
Safety class	IP65																			
The operating of Evironmental Conditions	Temperature: -20℃ ～ +50℃ Humidity: Below 90%RH No dewing																			
Motor winding plue	Winding lead wire	U				V				W				PE						
	Plug serial number	2				3				4				1						
Encoder plug	Signal lead wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE				
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1				



15N.m (230) 18N.m (248) 23N.m (278) 27N.m (302)



Item: MiGE 180Series

Specifications

Motor model	180ST-M17215		180ST-M19015		180ST-M21520		180ST-M27010	
Rated power(KW)	2.7		3.0		4.5		2.9	
Rated voltage(V)	220	380	220	380	220	380	220	380
Rated current(A)	10.5	6.5	12	7.5	16	9.5	12	7.5
Rated speed(rpm)	1500		1500		2000		1000	
Holding torque(N.m)	17.2		19		21.5		27	
Peak torque(N.m)	43		47		53		67	
Voltage constant(V/krpm)	112	167	97	158	84	140	138	224
Torque coefficient(N.m/A)	1.64	2.65	1.58	2.5	1.34	2.26	2,25	3.6
Rotor inertia(Kg.m²)	3.4×10-3		3.8×10-3		4.7×10-3		6.1×10-3	
Line-line Resistance(Ω)	0.7	1.47	0.4	1.15	0.24	0.71	0.48	1.37
Line-line Inductance(mH)	3.5	7.8	2.42	6.4	1.45	4	3.26	8.6
Machanical time-constant(Ms)	5	5.3	6	5.57	6	5.6	6.79	6.27
Weight(Kg)	19.5		20.5		22.2		25.5	
Motor model	180ST-M027015		180ST-M35010		180ST-M35015		180ST-M48015	
Rated power(KW)	4.3		3.7		5.5		7.5	
Rated voltage(V)	220	380	220	380	220	380	220	380
Rated current(A)	16	10	16	10	19	12	32	20
Rated speed(rpm)	1500		1000		1500		1500	
Holding torque(N.m)	27		35		35		48	
Peak torque(N.m)	67		70		70		96	
Voltage constant(V/krpm)	103	172	134	223	113	181	94	156
Torque coefficient(N.m/A)	1.69	2.7	2.2	3.5	1.84	2.9	1.5	2.4
Rotor inertia(Kg.m²)	6.1×10-3		8.6×10-3		8.6×10-3		9.5×10-3	
Line-line Resistance(Ω)	0.28	0.796	0.31	0.93	0.21	0.62	0.104	0.273
Line-line Inductance(mH)	1.74	4.83	3.28	9.1	1.57	4	0.77	2.14
Machanical time-constant(Ms)	6.2	6	10.58	9.78	7.47	6.45	7.4	7.8
Weight(Kg)	25.5		30.5		30.5		40	
Encoder line number(PPR)	2500							
Insulation class	Class B(130℃)							
Safety class	IP65							
The operating of Environmental	Temperature: -20℃ ~ +50 ℃							

Conditions		Humidity: Below 90%RH No dewing														
Motor winding plue	Winding lead wire	U			V				W				PE			
	Plug serial numberr	2			3				4				1			
Encoder plug	Signal lead wire	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
	Plug serial number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1

Installation dimension

