


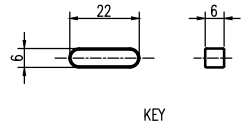
V2.0

PIN	FUNCTION	COLOR	WIRE GAGE
1	MOTOR U	YELLOW	18AWG
2	MOTOR V	RED	
3	MOTOR W	BLACK	
4	NC	NC	
5	NC	NC	
6	NC	NC	
+	MOTOR PE+	YELLOW/GREEN	18AWG

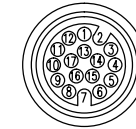


M17 7PIN

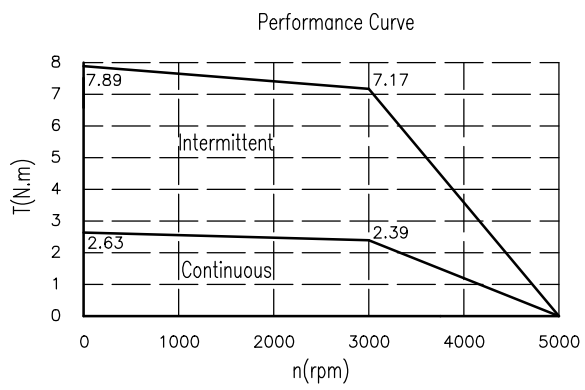
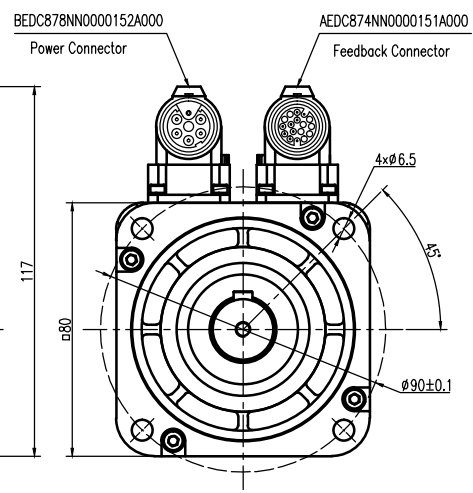
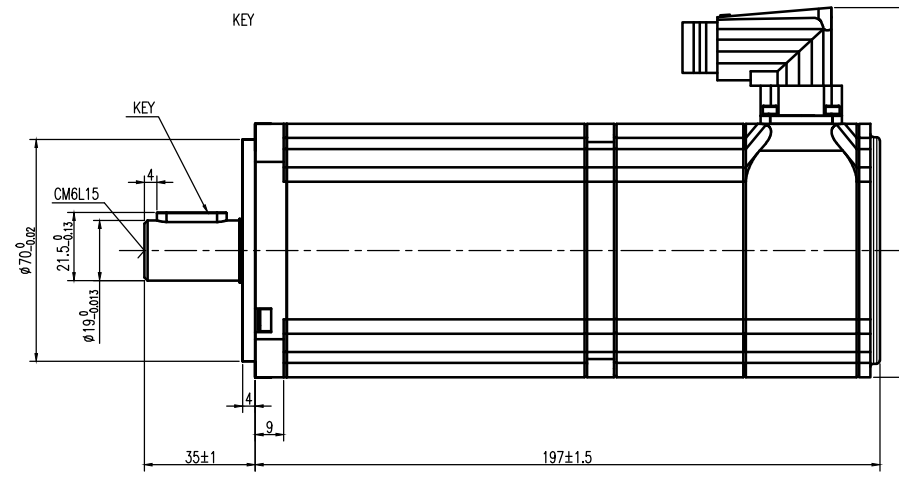
Connector Detail (Power Wire)



PIN	FUNCTION	COLOR	WIRE GAGE	PIN	FUNCTION	COLOR	WIRE GAGE
1	VCC +5V	WHITE	28AWG	10	GND	BROWN	28AWG
2	GND	BLACK					
3	Shield	Shield					
4	NC	NC					
5	NC	NC					
6	NC	NC					
7	KTY(+)	RED	26AWG	16	SD	BLUE	28AWG
8	KTY(-)	BLACK					
9	VB	ORANGE					



Connector Detail (Feedback Wire)




**Elmo** DC BRUSHLESS MOTOR  
L80-753026ABC

W 750	V 300
A 3.9	Nm 2.39
RPM 3000	Ins F IP65

Holding brake: 24V<sub>DC</sub> M=3.2Nm

MADE FOR Elmo by Kinavo CHINA  
S/N: 307011329KYDDNNNN

E505281



REV	Description of Change	REV	ECN NO.	DRN	APP'D	DATE	DESIGN	DATE	P/N.
(V2.0)	Change in DC bus voltage Add the wires gage for all wires Add the cable diameter to all cables Add the sign of CE Add the sign of against knock lable						YJL	2019-1-30	307011329SS
		UNLESS OTHERWISE SPECIFIED TOLERANCES:		MATERIAL	CONTR.	CHECK			TITLE
		DECIMALS: .x ±0.5	ANGULAR: ±0°30'			ZZB			Outside Drawing
		.xx ±0.25				APPD			USED ON
		.xxx ±0.1				SL			L80-753026ABC
		UNIT: mm							DWG NO.
		DO NOT SCALE DRAWING							REV V2.0
					FIRST ANGLE PROJECTION	SCALE			
						SHEET	OF		

Brake Data

Static friction	3.2N.m
Voltage	24VDC
Power	11.5w

Tecnical Data

No. of poles	6	
DC Link Voltage U <sub>dc</sub> (DC Link)	300	
Rated Power P <sub>N</sub> (W)	750	
Rated Torque T <sub>N</sub> (N.m)	2.39	
Rated Speed n <sub>m</sub> (rpm)	3000	
Rated Current I <sub>N</sub> (A)	3.9	
Maximum torque T <sub>m</sub> (N.m)	7.17	
Maximum Current I <sub>m</sub> (A)	11.7	
Standstill torque T <sub>s</sub> (N.m)	2.63	
Standstill current I <sub>s</sub> (A)	4.29	
Resistance line-line R <sub>L</sub> (a)	1.4	
Inductance line-line L <sub>L</sub> (mH)	7.5	
Electrical time constant τ <sub>e</sub> (ms)	5.35	
Mechanical time constant τ <sub>m</sub> (ms)	0.75	
Voltage constant K <sub>v</sub> (V/krpm)	40	
Torque constant K <sub>t</sub> (Nm/A)	0.662	
Rotor moment of inertia J <sub>m</sub> (Kg.cm <sup>2</sup> )	1.385	
Max. voltage rising du/dt(KV/μs)	8	
Insulation class	F	
Max. radial force Fr(N)	335	
Max. axial force Fa(N)	167.5	
Weight(Kg)	4	
Feed back device	MAR-H40A-HN21	
Temperature sensor	KTY84-130	
Cooling method	Totally enclosed non-ventilated	
protection level	IP65,shaft sealing IP54	
Environmental conditions	Temperature	-20℃~40℃
	Humidity	Below 90%RH (No dewing)
	Environment	Far away active gas,combustible gas,oil drop,ash.
Rating conditions	Installation altitude	UP TO 1000m:rated power, above 1000m:1.5% power decreasing per 100m,max.4000m
	Mounting	Aluminum flange 255x255x6mm
	Temperature	60K housing temperature ring at 40℃ ambient