

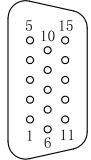
PIN	FUNCTION	COLOR	WIRE GAGE
1	MOTOR U	YELLOW	20AWG
2	MOTOR V	RED	
3	MOTOR W	BLACK	
4	MOTOR PE $\neq$	YELLOW/GREEN Shield	



Housing:H66L6-04P  
Terminal:T66L6-B

Connector Detail (Power Wire)  
Power Wire Cable diameter 6.5mm

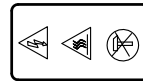
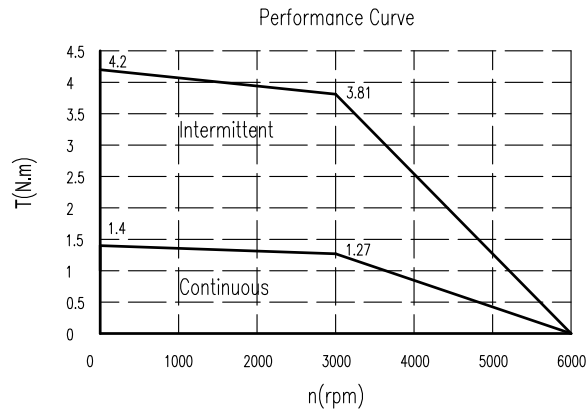
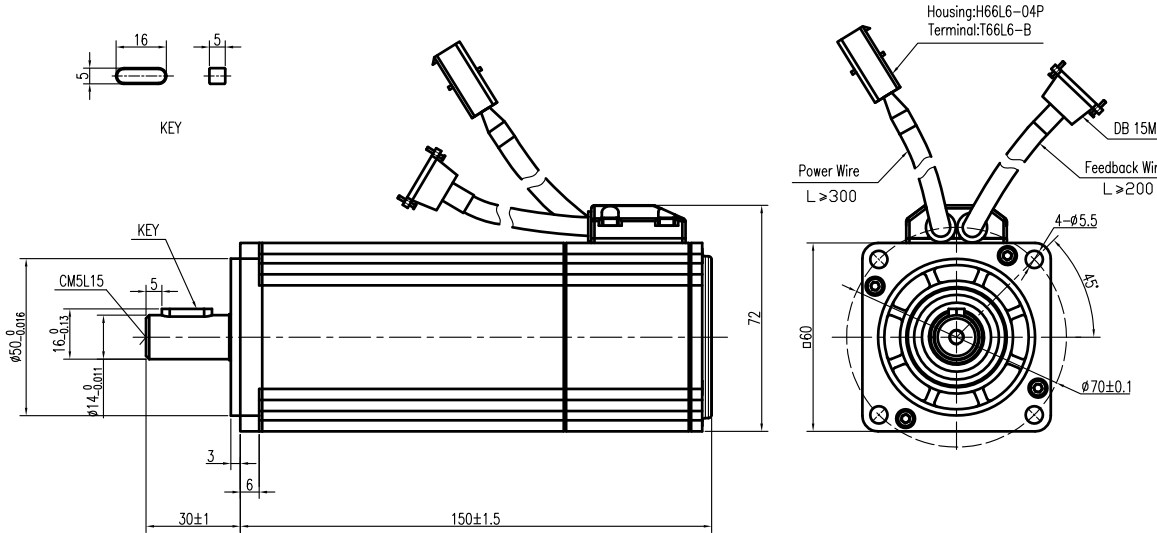
PIN	FUNCTION	COLOR	WIRE GAGE	PIN	FUNCTION	COLOR	WIRE GAGE
1	VCC +5V	WHITE	28AWG	9	SD	BLUE	28AWG
2	GND	BLACK		10	NC	NC	
3	Shield	Shield	28AWG	11	NC	NC	
4	VB	ORANGE		12	NC	NC	
5	GND	BROWN		13	NC	NC	
6	NC	NC		14	/SD	PURPLE	
7	NC	NC		15	NC	NC	
8	NC	NC					



DB 15M

Connector Detail (Feedback Wire)  
Feedback Wire Cable diameter 6mm

Technical Data		
No. of poles	6	
DC Link Voltage $U_{dc}$ (DC Link)	300	
Rated Power $P_N$ (W)	400	
Rated Torque $T_N$ (N.m)	1.27	
Rated Speed $n_n$ (rpm)	3000	
Rated Current $I_n$ (A)	2.94	
Maximum torque $T_m$ (N.m)	3.81	
Maximum Current $I_m$ (A)	8.82	
Standstill torque $T_s$ (N.m)	1.4	
Standstill current $I_s$ (A)	3.23	
Resistance line-line $R_L$ ( $\Omega$ )	3.5	
Inductance line-line $L_L$ (mH)	7.8	
Electrical time constant $\tau_e$ (ms)	2.23	
Mechanical time constant $\tau_m$ (ms)	1.26	
Voltage constant $K_e$ (V/krpm)	29	
Torque constant $K_t$ (Nm/A)	0.48	
Rotor moment of inertia $J_m$ (Kg.cm <sup>2</sup> )	0.479	
Max. voltage rising $du/dt$ (KV/ $\mu$ s)	8	
Insulation class	F	
Max. radial force $F_r$ (N)	180	
Max. axial force $F_a$ (N)	90	
Weight(Kg)	1.8	
Feed back device	MAR-H50A-HN20	
Temperature sensor	n.a.	
Cooling method	Totally enclosed non-ventilated	
protection level	IP65,shaft sealing IP54	
Environmental conditions	Temperature	-20 $\sim$ 40 $\circ$ C
	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 $\circ$ ambient



V2.0/B

**Elmo** DC BRUSHLESS MOTOR  
Motion Control  
L60-403026ANL

W 400	V 300
A 2.94	Nm 1.27
RPM 3000	Ins F IP65

MADE for Elmo by Kinavo CHINA  
S/N: 307011312KYDDNNNN  
E505281



REV	Description of Change	REV	ECN NO.	DRN	APP'D	DATE	DESIGN	DATE	P/N.
(b)	Add the wires gage for all wires Add the cable diameter to all cables Add the sign of against knock lable						WYD	19-1-30	307011312SS
(1.1)	Rated Current ,Maximum Current, Standstill Current has been changed	UNLESS OTHERWISE SPECIFIED TOLERANCES:		MATERIAL	CONTR.	CHECK	LS	19-1-30	Outside Drawing
V2.0/B	Change in DC bus voltage	DECIMALS: .x $\pm 0.5$	ANGULAR: .xx $\pm 0.25$			APPD	SL	19-1-30	L60-403026ANL
		.xxx $\pm 0.1$	$\pm 0^{\circ}30'$			SCALE			DWG NO.
		UNIT: mm	DO NOT SCALE DRAWING	FIRST ANGLE PROJECTION		SHEET			REV V2.0
						OF			ELMO MOTOR