



角号 Pin	定义 Function	颜色 COLOR
1	NC	NC
2	U	黄 YELLOW
3	V	红 RED
4	W	黑 BLACK
5	NC	NC
6	PE	黄绿 YELLOW/GREEN



6 PIN
HF02106ZJ

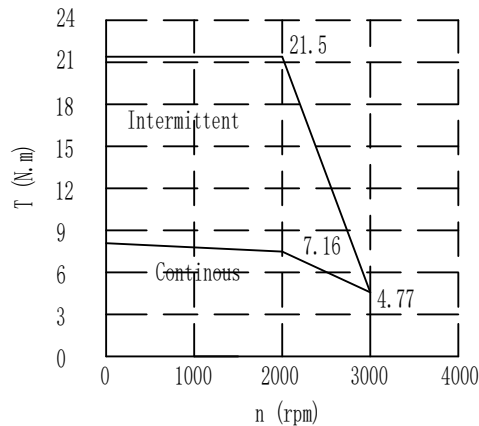
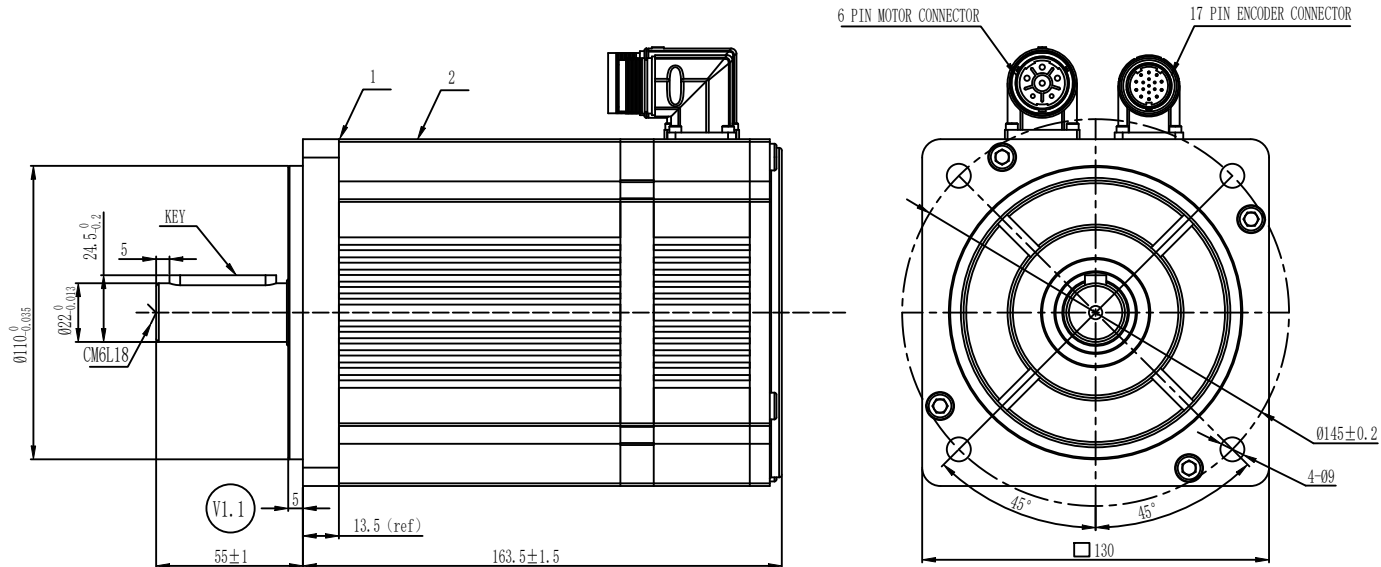
动力 Power

角号 Pin	定义 Function	颜色 COLOR	角号 Pin	定义 Function	颜色 COLOR
1	VCC +5V	红 RED	10	NC	NC
2	GND	黑 BLACK	11	NC	NC
3	NC	NC	12	NC	NC
4	NC	NC	13	SHIELDING	
5	NC	NC	14	NC	NC
6	NC	NC	15	NC	NC
7	NC	NC	16	SD+	蓝 BLUE
8	NC	NC	17	SD-	黄 YELLOW
9	NC	NC			

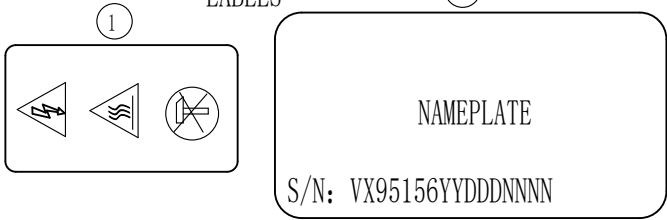


17 PIN
HF01817JZ

反馈 Feedback



LABELS



技术参数 Technical Data	
极数 No. of poles	10
母线电压 DC Link Voltage $U_{dc}(V)$	320
额定功率 Rated Power $P_s(W)$	1500
额定转矩 Rated Torque $T_s(N.m)$	7.16
额定转速 Rated Speed $n_s(rpm)$	2000
额定电流 Rated Current $I_s(A)$	7.7(ref.)
最大转矩 Maximum torque $T_s(N.m)$	21.5
最大电流 Maximum Current $I_s(A)$	25(ref.)
连续静态转矩 Standstill torque $T_s(N.m)$	7.9
连续静态电流 Standstill Current $I_s(A)$	8.5(ref.)
线电阻 Resistance line-line $R_L(\Omega)$	0.63(ref.)
线电感 Inductance line-line $L_L(mH)$	6.9(ref.)
电气时间常数 Electrical time constant $\tau_e(ms)$	10.95
机械时间常数 Mechanical time constant $\tau_m(ms)$	1.42
反电势常数 Voltage constant $K_e(V/krpm)$	66.9(ref.)
转矩常数 Torque constant $K_t(Nm/A)$	1.1
转动惯量 Rotor moment of inertia $J_m(Kg.cm^2)$	15.95
最大径向力 Max. radial force $F_r(N)$	980
最大轴向力 Max. axial force $F_a(N)$	392
反馈装置 Feed back device	23bit Single-turn Absolute encoder (NRZ)
绝缘等级 Insulation class	F
防护等级 Protection level	IP65, shaft sealing IP54
重量 Weight (Kg)	8

VER	DESCRIPTION OF CHANGE	VI.1	ECN240032	WJH	LSJ	2024-03-04	DESIGN	DATE	P/NO.	9.5156	
VI.1	5.5改为5	VER	ECN NO.	CHANGE	APP'D	DATE	LJ	2022-08-18	Outside Drawing		
		FINAL TOLERANCE REFERENCE GB/T 1804-m Unit:mm LINER ≤6 ±0.1 >6~30 ±0.2 >30~120 ±0.3 >120~400 0.5			MATERIAL		CHECK	2022-08-18	TITLE	USED ON SMC130D-0150-20VAK-5LSP SCALE: 1:2.5 VER: VI.1	
							LSJ				
							APPROVE				
							SL	2022-08-18			
							FIRST ANGLE PROJECTION		SHEET 1 OF 1		KINCO