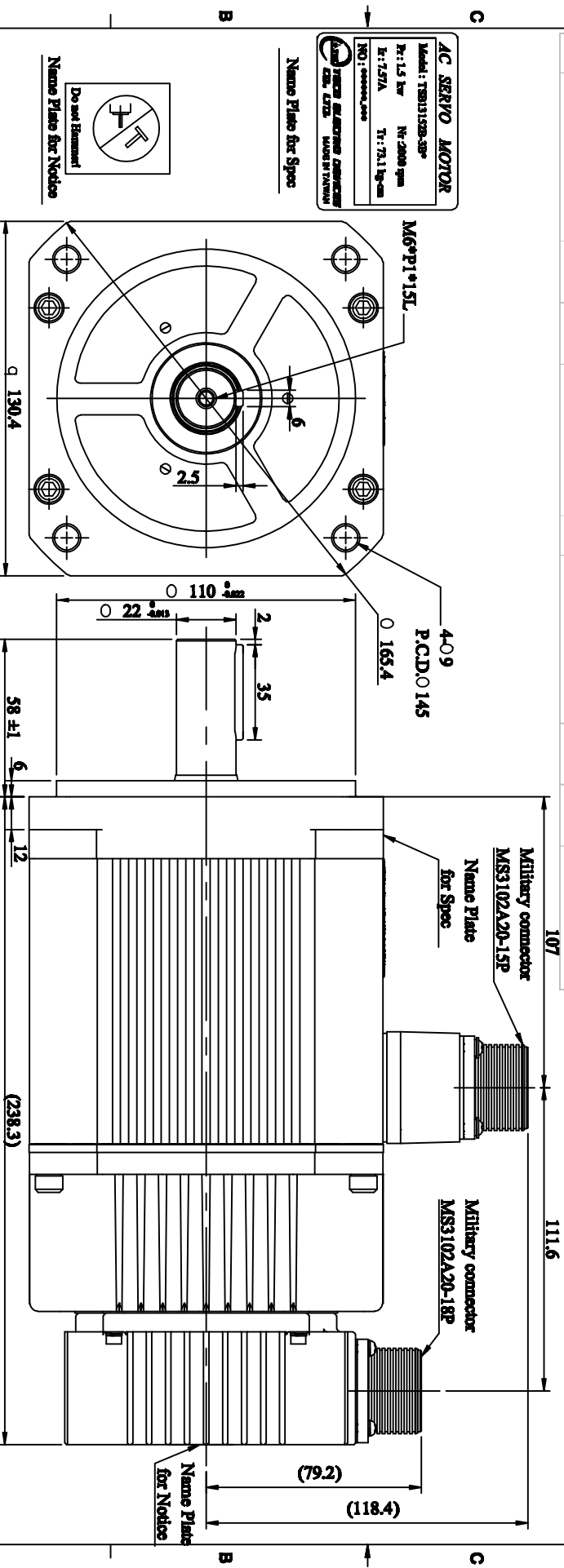


Model: TSB13152B-3B\*

No. Item	Symbol	Unit	Specification	No. Item	Symbol	Unit	Specification
1 Drive	-	-	Rectangular Wave	13 Rotor Inertia	J-M	kg-cm <sup>2</sup>	9.58±5%
2 Cooling Method	-	-	Totally Enclosed	14 Rated Power Rate	Q-R	Kw/s	53.6
3 Exciting Method	-	-	Permanent Magnet	15 Resistance	Ra	Ω	0.79±10%/2φ
4 Resolution	-	-	NOTE2.	16 Inductance	L	mH	4.74±10%/2φ
5 Rated Output	P-R	W	1.5kW	17 Mech. Time Constant	Tm	ms	1.05±10%/2φ
6 Rated Torque	T-R	N-m	7.164	18 Elect. Time Constant	Te	ms	6±10%
7 Max. Torque	T-max	N-m	21.492	19 Insulation Class	-	°C	Class B
8 Rated Speed	N-R	rpm	2000	20 Operation Temp.	T	°C	0~40
9 Rated Current	I-R	A	7.57	21 Operation Humid.	RH	%	<90
10 Max Current	I-max	A	22.71	22 Storage Temp.	T	°C	-20~-60
11 Torque Constant	Kt	N-m/A	1.04±10%	23 Storage Humid.	RH	%	<90
12 Back emf (at 1800rpm)	Vemf	Volts	113±10%/2φ	24 Weight	W	kgw	10.96

**Notes:**  
**1. Motor to be IP67**  
**(excluding the shaft opening & connectors)**  
**2. Encoder TYPE:2500ppr,8192ppr**  
**17bit ,15bit**



STANDARD TOLERANCE		APVD	CHKD	CHKD	DWN	SJLlb	3RD A.P	UNIT	mm	NAME	Servo Motor Outline Drawing	
X	±0.5							mm		TSB13152B-3B*	Dept. Design	DTSB13152B3B*
X	±0.2											
XX	±0.05											
ANGLE	±30'											

MATERIAL	REV	DESCRIPTION	SIGNATURE	DATE
	4			09-18-11