REV.	ECN NO.
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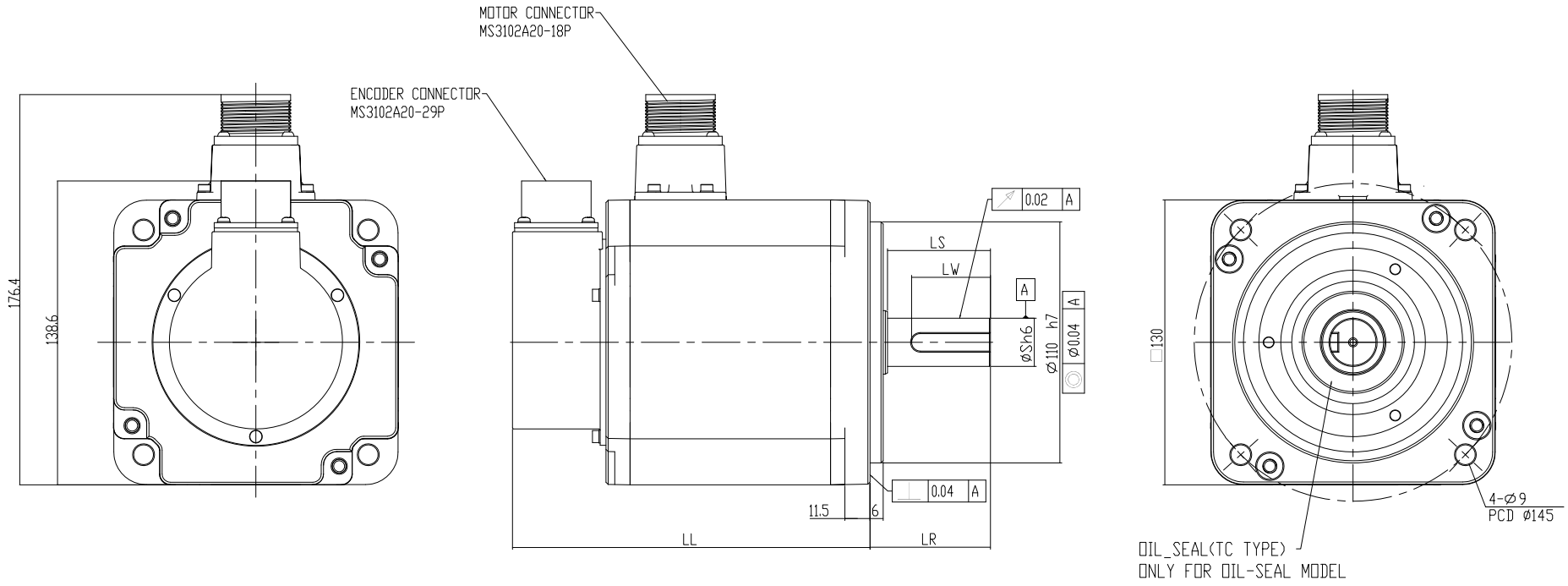
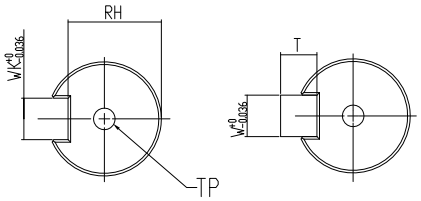


DIMENSION TABLE (MODEL WITHOUT BRAKE)

MODEL	LL	LR	LS	S	LW	WK	W	T	RH	TP
ECMA-L11308R9	163.5	55	47	19	25	6	6	6	15.5	M6; Depth 20



SHAFT END DETAILS
scale 2.000

KEY DETAILS
scale 2.000

台達電子工業股份有限公司 DELTA ELECTRONICS, INC.	DRAWN:	DESIGN:	
	APPROVE:	DATE:	12/21/2015

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DIMENSIONAL TOLERANCES

	( )	( )	( )	ANGLES
DECIMALS	<50 ±0.1	<50 ±0.15	<50 ±0.2	<30° ±0.1°
X	±0.3	>50~100 ±0.15	>50~100 ±0.2	>30~60° ±0.3°
X.X	±0.2	>100~200 ±0.2	>100~200 ±0.25	>60~90° ±0.3°
X.XX	±0.1	>200~ ±0.2%	>200~ ±0.25%	>200~ ±0.3%

DESCRIPTION: CONFIDENTIAL ECMA-L11308R9	A1 SIZE	THIRD ANGLE PROJECTION	PART NO.:	REV.
USED ON	UNIT mm	SCALE 1.000	SHEET 1 OF 1	

FRAME NAME: DF-MEA1H-2R02.FRM

	Motor Model	Symbol	Unit	ECMA-L11308
Rated Spec.	Rated Power	R_R	kW	0.85
	Rated Voltage	V_R	V	380
	Rated Torque	T_R	N.m	5.39
	Rated Speed	N_R	r/min	1500
	Rated Current	I_R	A	3.4
	Rated Power Rate	Q_R	k W/s	16.99
	---Model with Brake	Q_R	k W/s	14.82
Motor Spec.	Continuous Stall Torque	T_S	N.m	5.39
	Instantaneous Maximum Torque	T_P	N.m	13.8
	Maximum Rotating Speed	Nmax	r/min	3000
	Instantaneous Maximum Current	I_P	A	8.85
	Induced Phase Voltage Constant	K_E	mv/(r/min)	58.90
	Torque Constant	K_T	N.m/A	1.59
	Rotor Moment of Inertia	J_M	$x10^{-4}kg.m^2$	17.1
	---Model with Brake	J_M	$x10^{-4}kg.m^2$	19.6
	Phase Armature Resistance	Rφ	Ω	0.92
	Phase Armature Inductance	Lφ	m H	14.10
	Mechanical Time Constant	t_m	ms	1.76
	---Model with Brake	t_m	ms	2.02
	Electrical Time Constant	t_e	ms	15.33
	Insulation Resistance	-	-	>100MΩ DC500V
	Dielectric Strength	-	-	2300V AC,1 seconds
	Maximum Radial Shaft Load	-	N	490
	Maximum Axial Shaft Load	-	N	98
	Vibration Grade	-	-	V15
	Mass	W	kg	8.3
	---Model with Brake	W	kg	-
	T-N Curve	-	-	Figure 1
Enviroment Spec.	Maximum Winding Temperature	-	℃	130
	Operating Temperature	Top	℃	0~40
	Storage Temperature	Tst	℃	-10~80
	Operating Humidity	-	%RH	20~90
	Storage Humidity	-	%RH	20~90
	Enclosure Type	-	-	IP65
	Vibration Resistance	-	-	2.5G

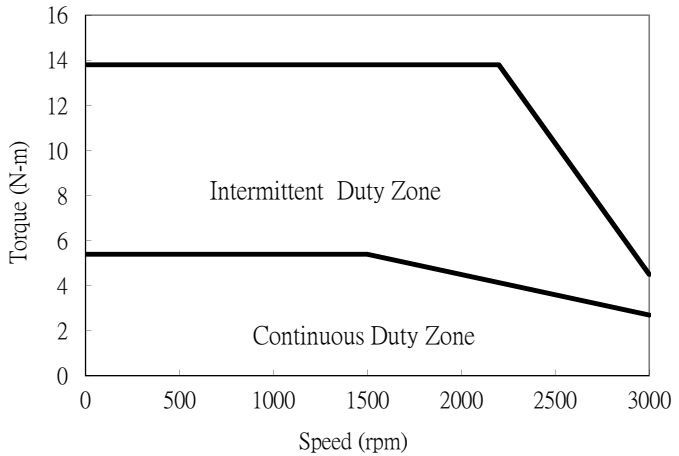

Fig. 1 T-N Curve

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DIMENSIONAL TOLERANCES

	( )		( )		( )		ANGLES	
DECIMALS	<50	±0.1	<50	±0.15	<50	±0.2	<30°	±0.1°
X	±0.3	>50~100	±0.15	>50~100	±0.2	>50~100	±0.25	>30°~60°	±0.3°
X.X	±0.2	>100~200	±0.2	>100~200	±0.25	>100~200	±0.3	>60°~90°	±0.5°
X.XX	±0.1	>200~	±0.2%	>200~	±0.25%	>200~	±0.3%		

DRAWN: 徐雍智	DESCRIPTION		CONFIDENTIAL
DESIGN: 徐雍智	ECMA-L11308		
APPROVE:	PART NO.		REV.
DATE: ########			2