


The image contains two technical drawings. The left drawing, titled 'SHAFT END DETAILS scale 2.000', shows a cross-section of a shaft with a keyway. Dimensions include 'RH' for the radius of the fillet, 'W/2' for the keyway width, and 'TP' for the thickness of the shaft. The right drawing, titled 'KEY DETAILS scale 2.000', shows a cross-section of a key. Dimensions include 'T' for the key thickness and 'W/2' for the key width. Both drawings use standard engineering notation for dimensions and include a scale of 2.000.

MODEL	LL	LR	LS	S	LW	WK	W	T	RH	TP
ECMA-L11305R9	147.5	55	47	19	25	6	6	6	15.5	M6; Depth 20

 台灣電子工業股份有限公司 DELTA ELECTRONICS, INC.		DRAWN: _____ APPROVE: _____		DESIGN: _____ DATE: 12/21/2015	
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF DELTA ELECTRONICS, INC. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUS OR DEVICES WITHOUT PERMISSION.		DIMENSIONAL TOLERANCES () ANGLES () ANGLES X ±0.15 ±0.1 ±0.1 ±0.15 ±0.15 ±0.2 ±0.2 ±0.1 X ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 X ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 X ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15 ±0.15			
DESCRIPTION: _____		CONFIDENTIAL		A1	
ECMA-L-11305R9		UNIT mm		PART NO.: _____	
USED ON _____		SCALE 1,000		SHEET 1 OF 1	
		THREE ANGLE PROJECTOR		REV. 00	

Rated Spec.	Motor Model	Symbol	Unit	ECMA-L11305
	Rated Power	R _R	kW	0.5
	Rated Voltage	V _R	V	380
	Rated Torque	T _R	N.m	3.18
	Rated Speed	N _R	r/min	1500
	Rated Current	I _R	A	2.25
	Rated Power Rate	Q _R	k W/s	7.72
	---Model with Brake	Q _R	k W/s	7.02
Motor Spec.	Continuous Stall Torque	T _S	N.m	3.18
	Instantaneous Maximum Torque	T _P	N.m	8.92
	Maximum Rotating Speed	Nmax	r/min	3000
	Instantaneous Maximum Current	I _P	A	6.3
	Induced Phase Voltage Constant	K _E	mv/(r/min)	55.30
	Torque Constant	K _T	N.m/A	1.41
	Rotor Moment of Inertia	J _M	x10 ⁻⁴ kg.m ²	13.1
	---Model with Brake	J _M	x10 ⁻⁴ kg.m ²	14.4
	Phase Armature Resistance	Rφ	Ω	1.414
	Phase Armature Inductance	Lφ	m H	20.00
	Mechanical Time Constant	t _m	ms	2.48
	---Model with Brake	t _m	ms	2.73
	Electrical Time Constant	t _e	ms	14.14
	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	6.8
	---Model with Brake	W	kg	8.2
	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

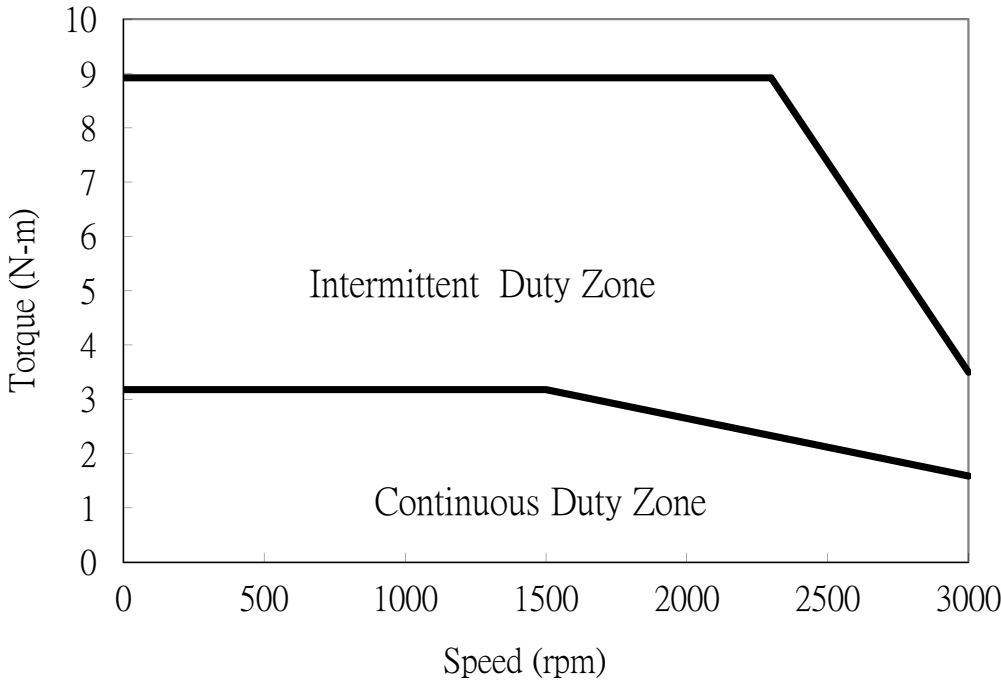


Fig. 1 T-N Curve



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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°
XX ±0.2	>100~200 ±0.2	>100~200 ±0.25	>100~200 ±0.3	>60°~90°	±0.5°
XXX ±0.1	>200~ ±0.2%	>200~ ±0.25%	>200~ ±0.3%		

DRAWN: 徐雍智

DESIGN: 徐雍智

APPROVE:

DATE: #####

DESCRIPTION CONFIDENTIAL

ECMA-L11305

PART NO.

REV.

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