

SPECIFICATION TABLE OF 3-PHASE SQUIRREL CAGE INDUCTION MOTOR	CUSTOMER		USER	
	INQ. NO.		EQUIPMENT	
	JOB NO.		MACHINE	
	TOTAL SETS		ITEM NO.	

Item	Terms	Description				
1	Model	AEHH8N				
2	Code or Standard	Dimensions	Frame Assignment	Performance	Test	
		NEMA	TECO	NEMA	NEMA	
3	Rating	350 HP 2 Pole 460/(800) Volt 3 Phase 60 Hz (can be used in 50Hz 380V)				
4	Service Duty	Continuous Rating , Service Factor 1.15				
5	Starting Method	D.O.L(Direct On Line) or V.V.V.F(Variable Voltage Variable Frequency) or Y-△ Starting				
6	Rotation	Facing The Drive End : CCW(Counter ClockWise)				
7	Drive Method	Direct Coupling				
8	Environment	Amb. Temp. : -15 ~ 40 °C				
		Humidity : Less Than 90 %RH				
		Altitude : Up to 3300 FT				
9	Enclosure & Protection	IP55 : Totally Enclosed			Indoor	
10	Cooling	TEFC: Totally Enclosed Fan Cooled				
11	Mounting	IM1001 : HS, Foot				
12	Dimensions	Dr# 3105C578531		Frame No : 449TS(X)		
13	Frame & Bracket	Frame : Cast Iron		Bracket : Cast Iron		
14	Fan & Fan Cover	Fan :Alumium		Fan Cover :Steel plate		
15	Terminal Box	Cast Iron				
16	Lead Terminals	[(R38-16)X2]X6				
17	Lubricant	ESSO Polyrex EM Grease				
18	Painting	Color : NO.700 MUNSELL N1.0				
19	Stator Winding	Ins. Class F				
20	Rotor Conductor	Al-Die Cast		WK^2 : 57.40 Lb-ft^2		
21	Starting Performance	LRC 60Hz 2206Amp / 50Hz 2122Amp		LRT 60Hz 120% / 50Hz 110% FLT		
22	Operating Performance	Hz/V	60/460	50/380	Break Down Torque 60Hz 300% FLT 50Hz 270% FLT	
		%Load	100	100		
		Amp.	372	458		
		*LRC=Lock Rotor Current	Eff.%	95.8	95.5	Temp. Rise Limit. (Resistance) Stator 115 °C 60Hz At S.F. 1.15
		*LRT/FLT=Lock Rotor Torque/Full Load Torque	P.F.%	91.0	90.0	
		*FLT=Full Load Torque	R.P.M.	3579	2973	
		23	Approximate Weight			
24	Note	1.Tolerances according to NEMA MG1-12 & IEC60034-1				
		2.Ratings Data : VT 20:1 、 CT 3:1 、 CHP 1:1				

APPD.	Wanghy	Oct. 6 2020		DWG NO.
CHKD.	Wanghy	Oct. 6 2020		31057R001-47172
DWN.	robo8898	Oct. 6 2020		REV.00 1/1

TECO Westinghouse

ISSUED 10/06/20	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE
TYPE AEHH8N		CATALOG#

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
350	261	2	449TS(X)	460	60	40	F	B	CONT.	1.15

TYPICAL PERFORMANCE

FULL LOAD RPM	EFFICIENCY				POWER FACTOR		
	FULL LOAD		3/4 LOAD	1/2 LOAD	F. L.	3/4 LOAD	1/2 LOAD
	NOM. %	MIN. %					
3579	95.8	95.0	96.4	95.7	91.0	91.0	88.0

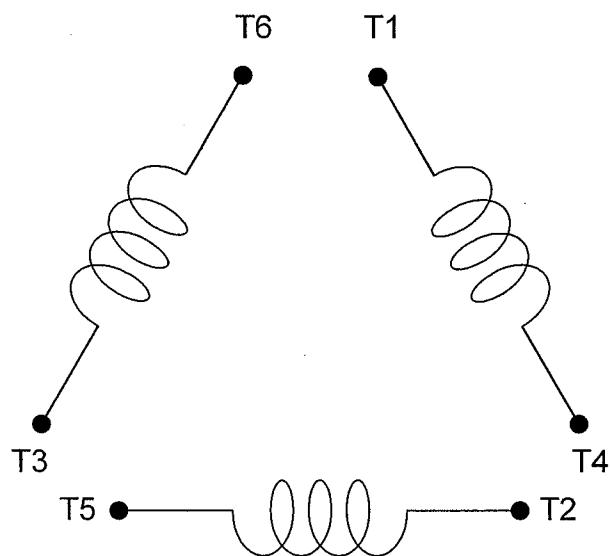
CURRENTS			NEMA KVA CODE LETTER
NO LOAD	FULL LOAD	LOCKED ROTOR	
68.5	372	2206	G

TORQUE				INERTIA			ACCEL TIME	
FULL LOAD lb-ft	LOCKED ROTOR %FLT	PULL UP %FLT	BREAK DOWN %FLT	ROTOR WR ² lb-ft ²	NEMA LOAD WK ² lb-ft ²	MAX ALLOWABLE WK ² lb-ft ²	NEMA LOAD WK ² Sec	MAX ALLOWABLE WK ² Sec
515	120	100	300	57.4	281	—	6	—

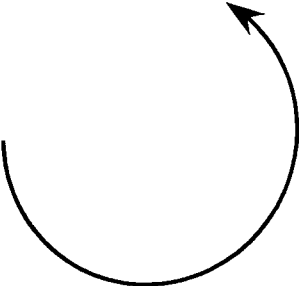
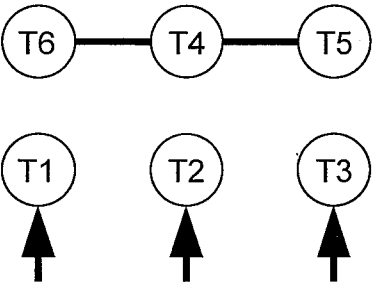
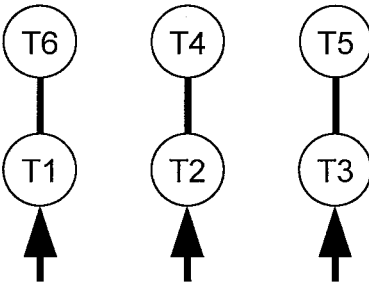
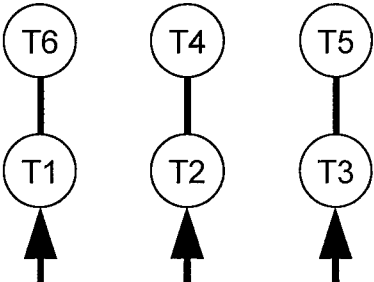
SAFE STALL TIME IN SECONDS		ALLOWABLE STARTS PER HOUR		SOUND PRESSURE LEVEL @ 3 FT dB(A)
COLD	HOT	COLD	HOT	
20	15	2	1	—

APPROVED:	Wanghy	DRAWING NO.	P.J. HUANG	REVISION 0
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TECO	CONNECTION DIAGRAM For $\Delta/\text{人}$ connection	MODEL
DATE : DEC.04.'02		DAC-1545-1



SCHEMATIC — $\Delta/\text{人}$ CONNECTION

ROTATION	CONNECTION	
(VIEWED FROM DRIVE END)	人-△ START	
		
	ACROSS-THE-LINE	
		

承認		
審核	蔡	Dec.05.02
校對	林	Dec.04.02
繪製	林賢龍	DEC,04,'02

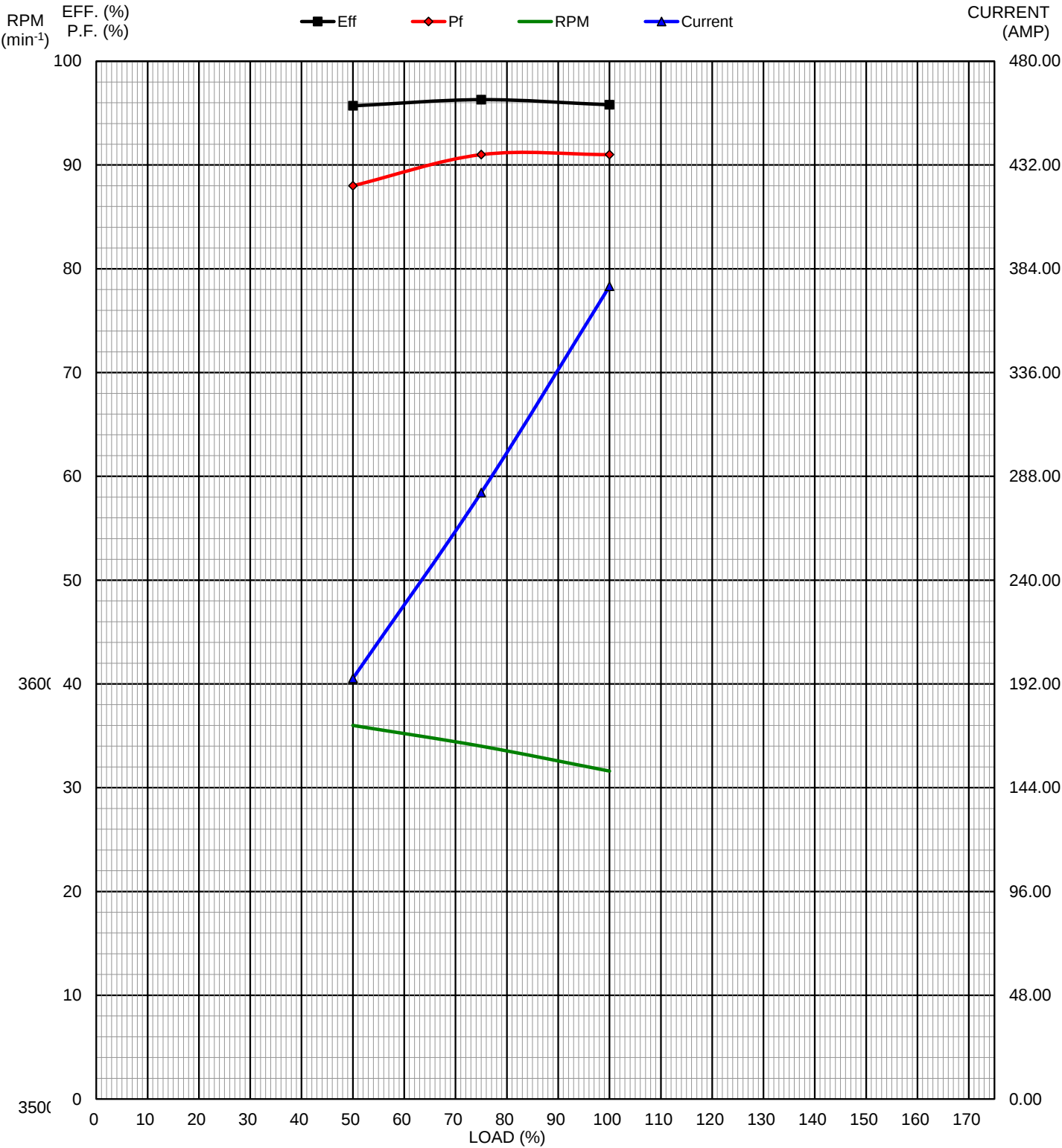
東元電機股份有限公司
TECO ELECTRIC & MACHINERY CO., LTD.
TAIWAN R.O.C.

圖 號：
DAC-1545-1

THREE PHASE INDUCTION MOTOR
LOAD CHARACTERISTIC CURVE

NO. : TERAA19901012
POLE : 2
HZ : 60

TYPE : AEHH8N
HP : 350
VOLT. : 460



APPD.	Yang.Ben	20201006
CHKD.	Wang	20201006
DWN.	ROBOHUANG	20201006

TECO  **Westinghouse**

DWG NO. Rev.00
TERAA19901012
E-P-C-S

T-N CURVE

NO.: TERAA19901012

TYPE: AEHH8N

HZ: 60

POLE: 2

VOLT.: 460

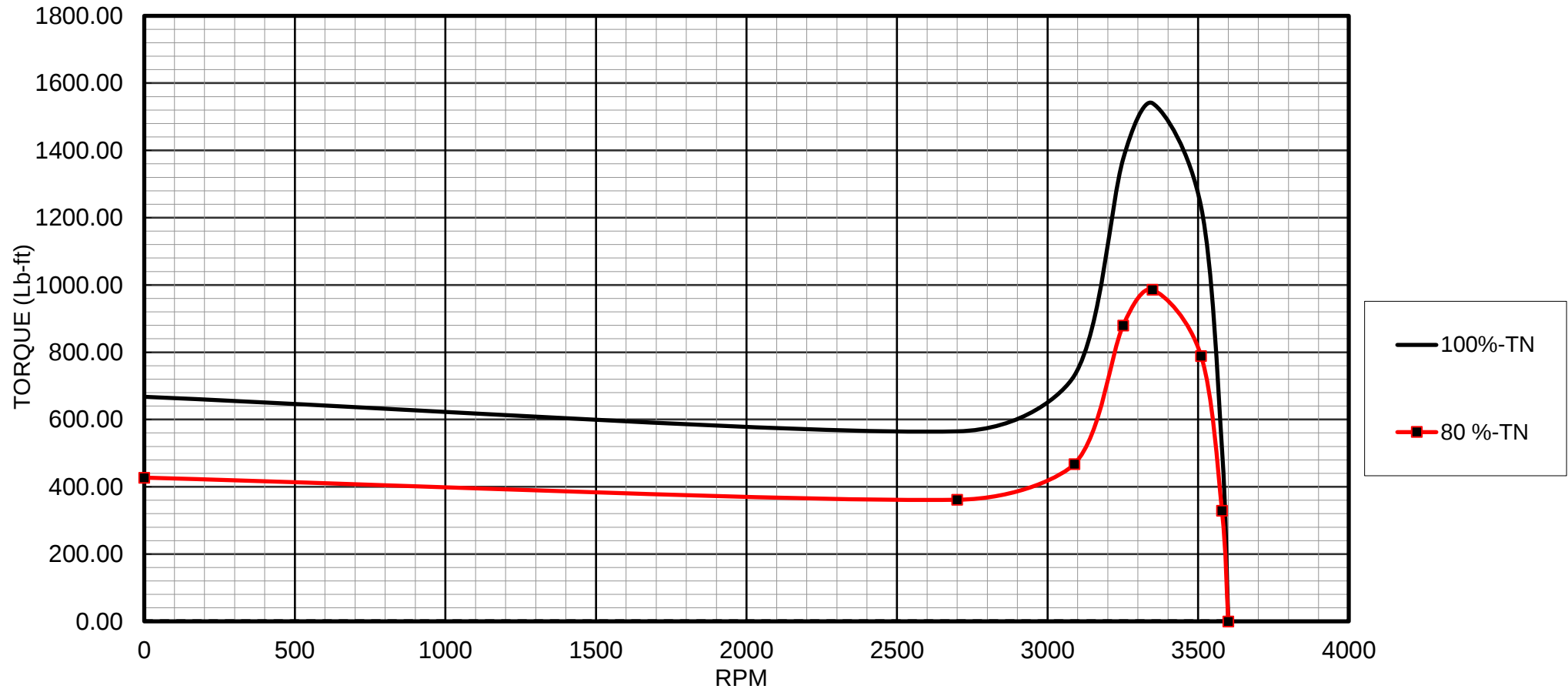
HP : 350

Ts : 667.5 Lb-ft

Tmin. : 564.8 Lb-ft

Tmax. : 1540.4 Lb-ft

Tf : 513.5 Lb-ft



APPD.	Wang	20201006
CHKD.	Wang	20201006
DWN.	ROBOHUANG	20201006

TECO  **Westinghouse**

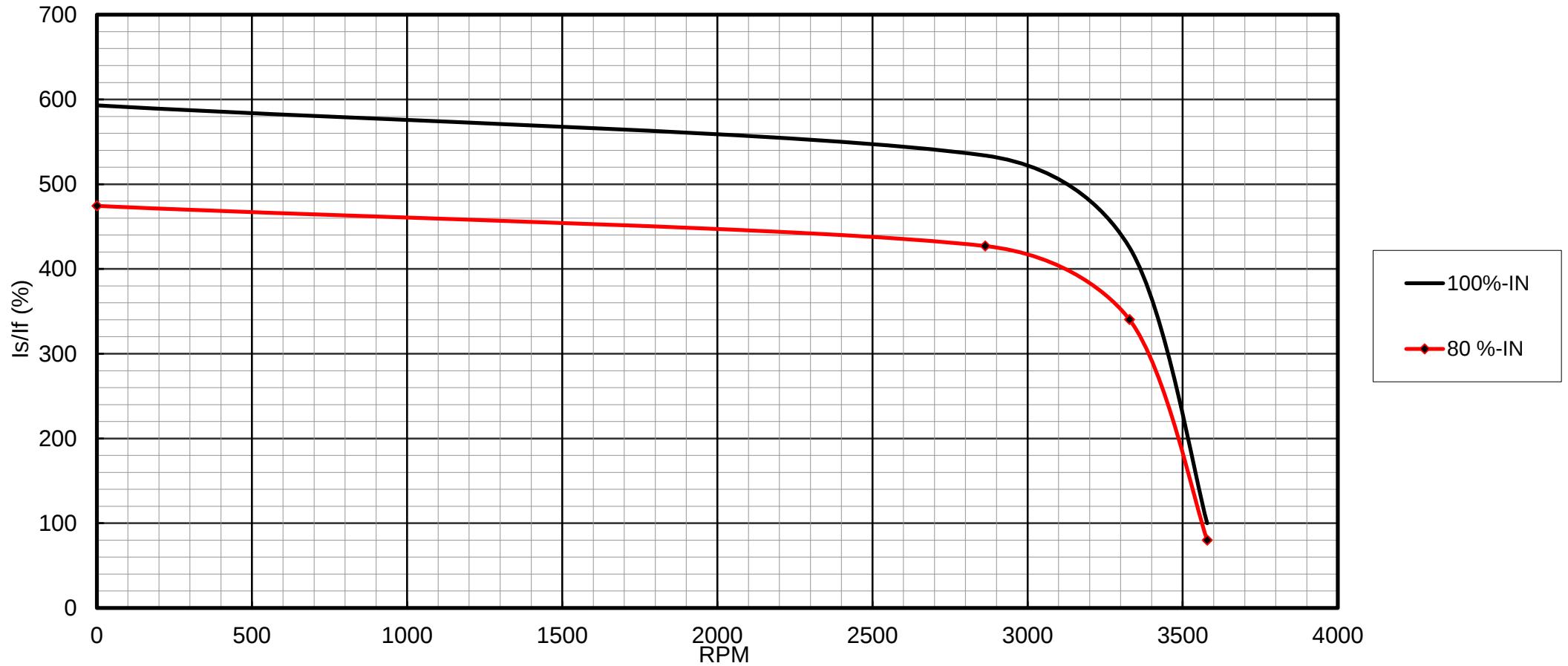
DWG NO. Rev.00
T-N

I-N CURVE

NO. : TERAA19901012
POLE : 2
HZ : 60

TYPE : AEHH8N
HP : 350
VOLT. : 460

Full load current : 372 A
Lock rotor current / Full load current : 593 %



APPD.	Wang	20201006
CHKD.	Wang	20201006
DWN.	ROBOHUANG	20201006

TECO   **Westinghouse**

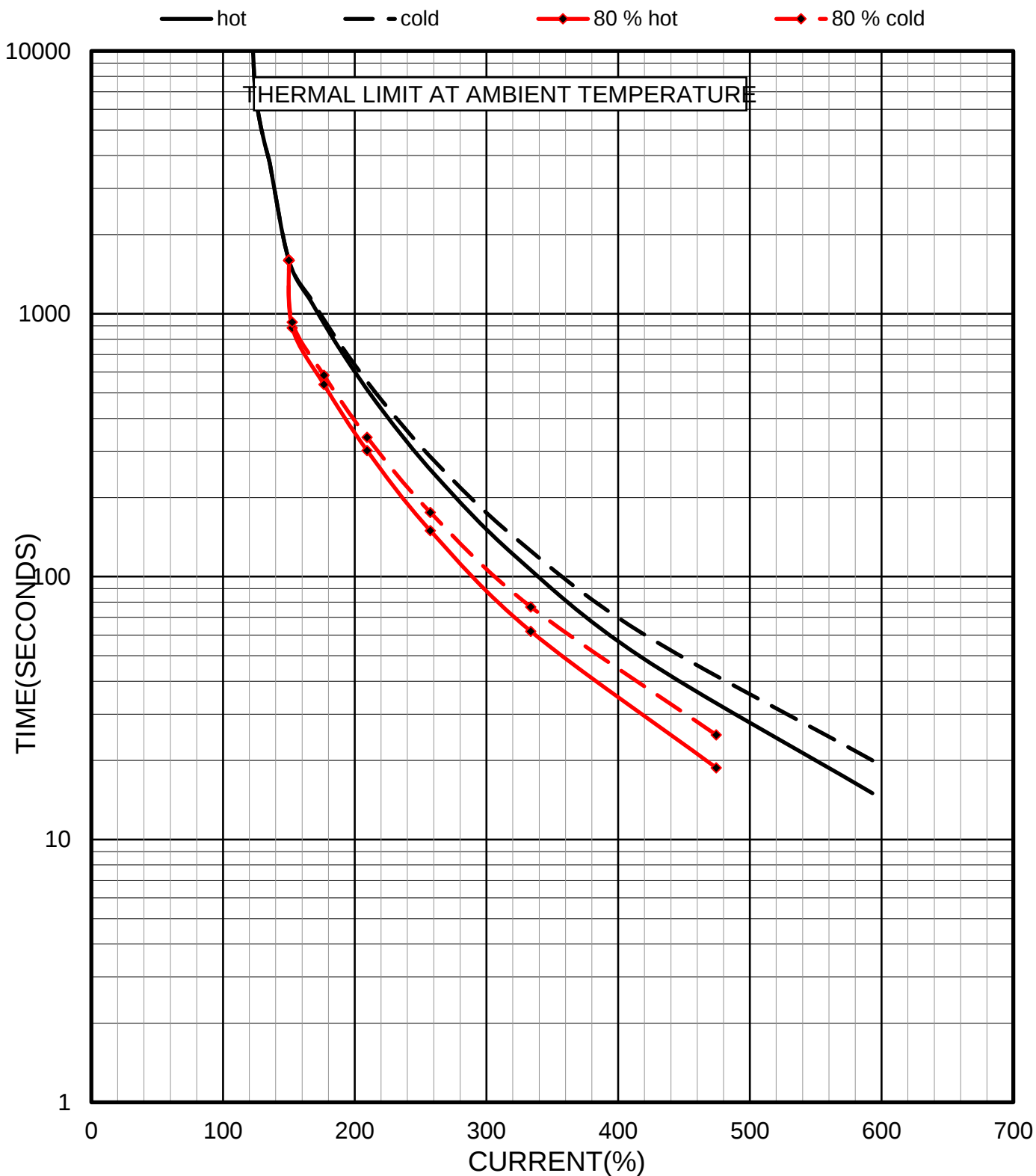
DWG NO. Rev.00

I-N

THERMAL LIMIT CURVES

NO. : TERAA19901012
 POLE : 2
 HZ : 60
 Load WK2 (LB-FT2) : 281
 Motor WK2 (LB-FT2) : 57.4
 Full load current : 372 A

TYPE : AEHH8N
 HP : 350
 VOLT. : 460



APPD.	Wang	20201006
CHKD.	Wang	20201006
DWN.	ROBOHUANG	20201006

TECO  **Westinghouse**

DWG NO. Rev.00
 TIME

