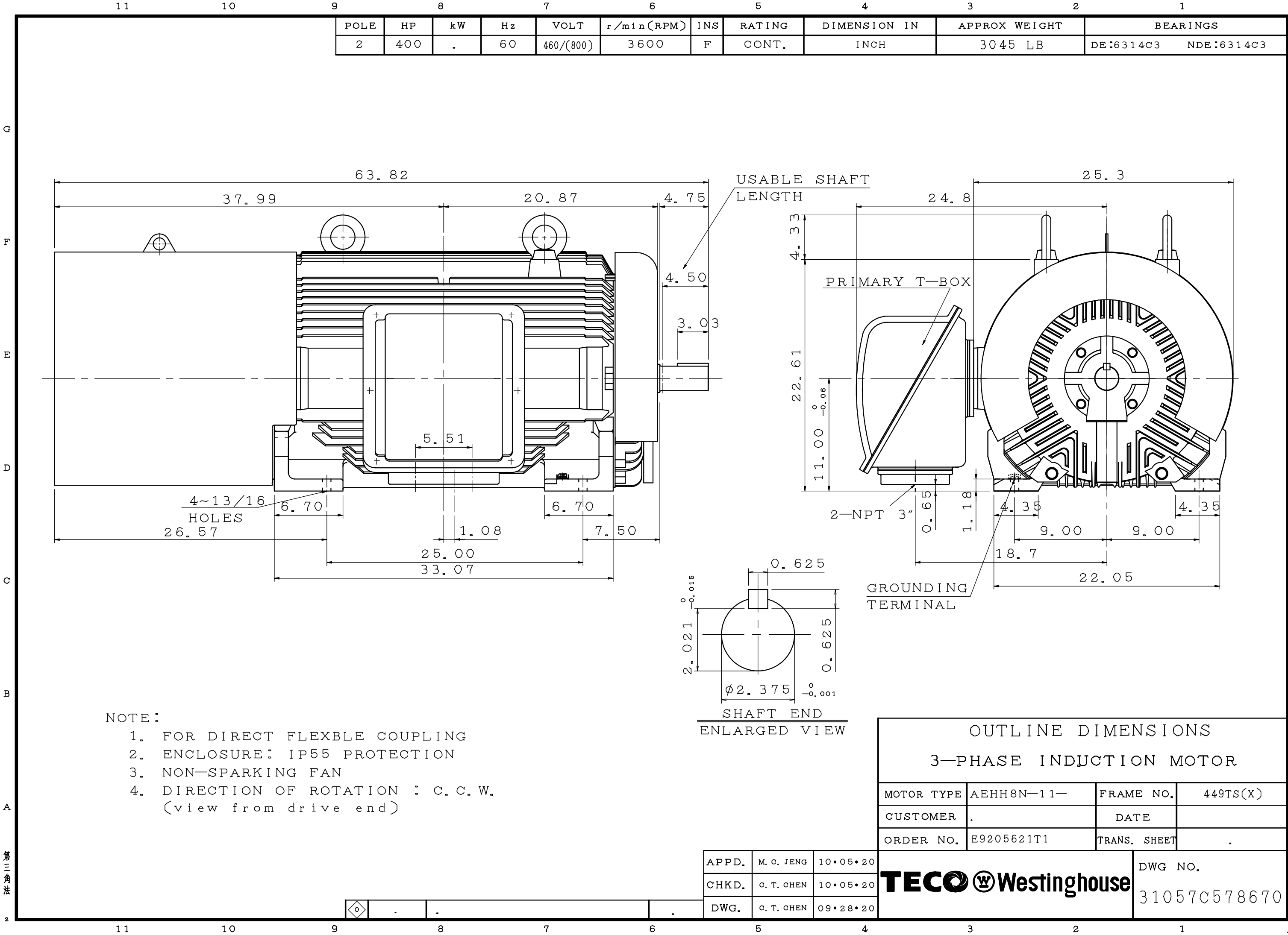




SPECIFICATION TABLE OF 3-PHASE SQUIRREL CAGE INDUCTION MOTOR	CUSTOMER		USER	
	INQ. NO.		EQUIPMENT	
	JOB NO.	E9205621T1	MACHINE	
	TOTAL SETS		ITEM NO.	

Item	Terms	Description				
1	Model	AEHH8N				
2	Code or Standard	Dimensions	Frame Assignment	Performance	Test	
		NEMA	TECO	NEMA	NEMA	
3	Rating	400 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# 31057C57867		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 : 69.77 Lb-ft^2	
21	Starting Performance	LRC 60Hz 2600Amp / 50Hz 2600Amp			LRT 60Hz 160% / 50Hz 120% FLT	
22	Operating Performance	Hz/V	60/460	50/380	Break Down Torque 60Hz 300% FLT 50Hz 280% FLT	
		%Load	100	100		
		Amp.	438	536		
		*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.%	88.5	88.0	
		*FLT=Full Load Torque	R.P.M.	3576	2965	
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. 5 2020		DWG NO.
CHKD.	Wanghy	Oct. 5 2020		31057R001-32422
DWN.	robo8898	Oct. 5 2020		REV.01 1/1

TECO Westinghouse

ISSUED 10/05/20	PERFORMANCE DATA 3-PHASE INDUCTION MOTOR	ENCLOSURE
TYPE AEHH8N		CATALOG# E9205621T1

NAMEPLATE INFORMATION

OUTPUT		POLE	FRAME SIZE	VOLTAGE	HZ	RATED AMBIENT	INS. CLASS	NEMA DESIGN	TIME RATING	SERVICE FACTOR
HP	KW									
400	298	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. %					
3576	95.8	95.0	96.4	96.0	88.5	87.5	83.0

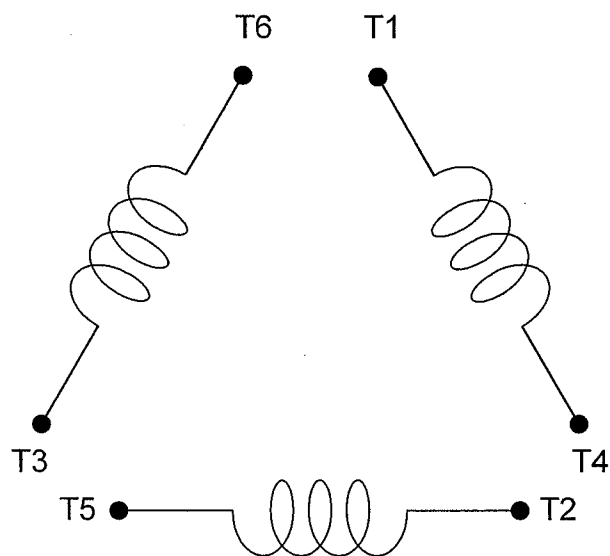
CURRENTS			NEMA KVA CODE LETTER
NO LOAD	FULL LOAD	LOCKED ROTOR	
91.9	438	2600	G

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
591	160	130	300	59.8	315	—	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 1
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TECO	CONNECTION DIAGRAM	MODEL
DATE : DEC.04.'02	For $\Delta / \text{人}$ connection	DAC-1545-1



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

ROTATION	CONNECTION	
(VIEWED FROM DRIVE END)	$\text{人} - \Delta$ 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

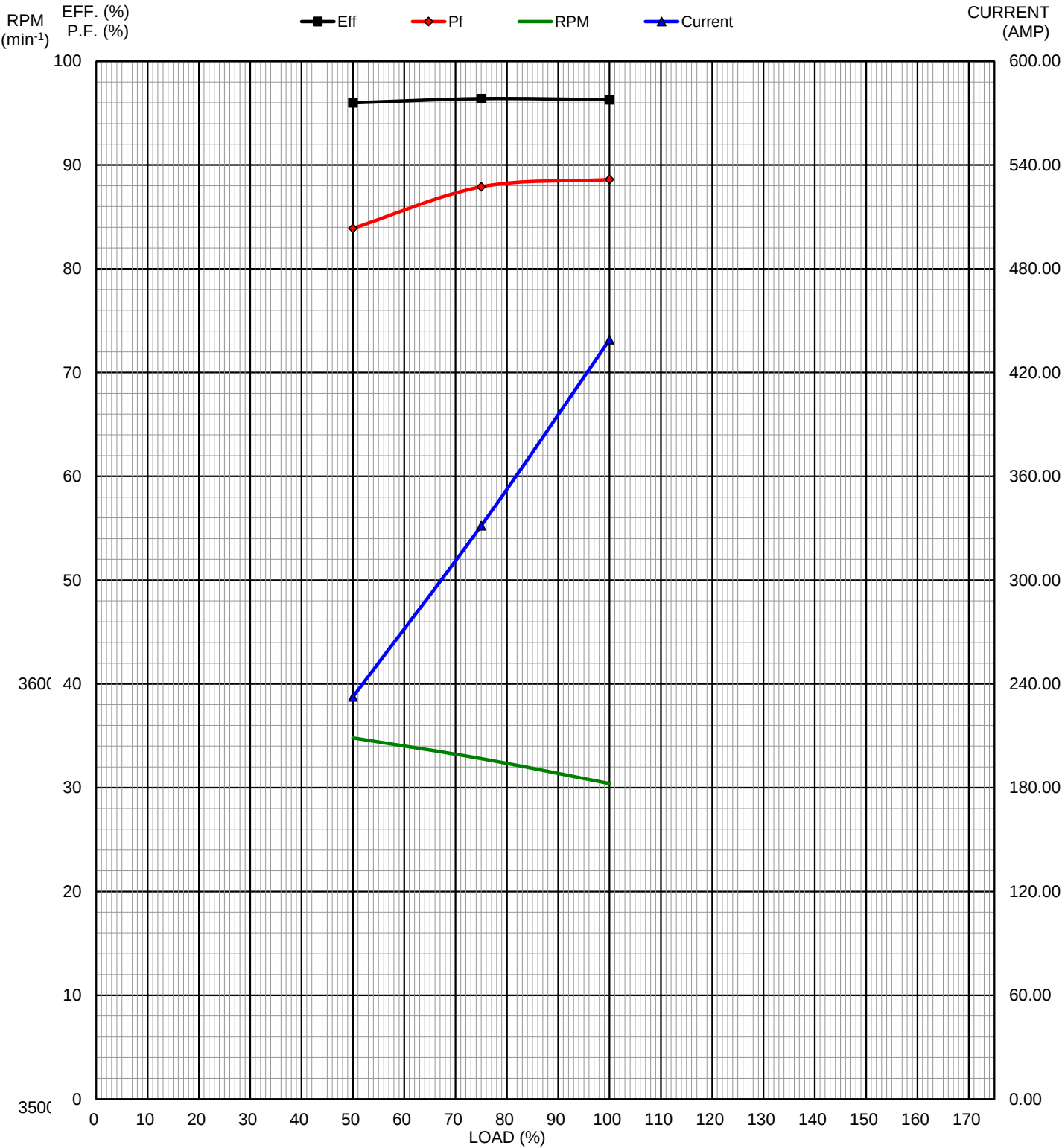
東元電機股份有限公司
TECO ELECTRIC & MACHINERY CO., LTD.
TAIWAN R.O.C.

圖 號 :
DAC-1545-1

THREE PHASE INDUCTION MOTOR
LOAD CHARACTERISTIC CURVE

NO. : TTALR20032001
POLE : 2
HZ : 60

TYPE : AEHH8N
HP : 400
VOLT. : 460



APPD.	Yang.Ben	20201005
CHKD.	Wang	20201005
DWN.	ROBOHUANG	20201005

TECO  **Westinghouse**

DWG NO. Rev.01
TTALR20032001
E-P-C-S

T-N CURVE

NO.: TTALR20032001

TYPE: AEHH8N

HZ: 60

POLE: 2

VOLT.: 460

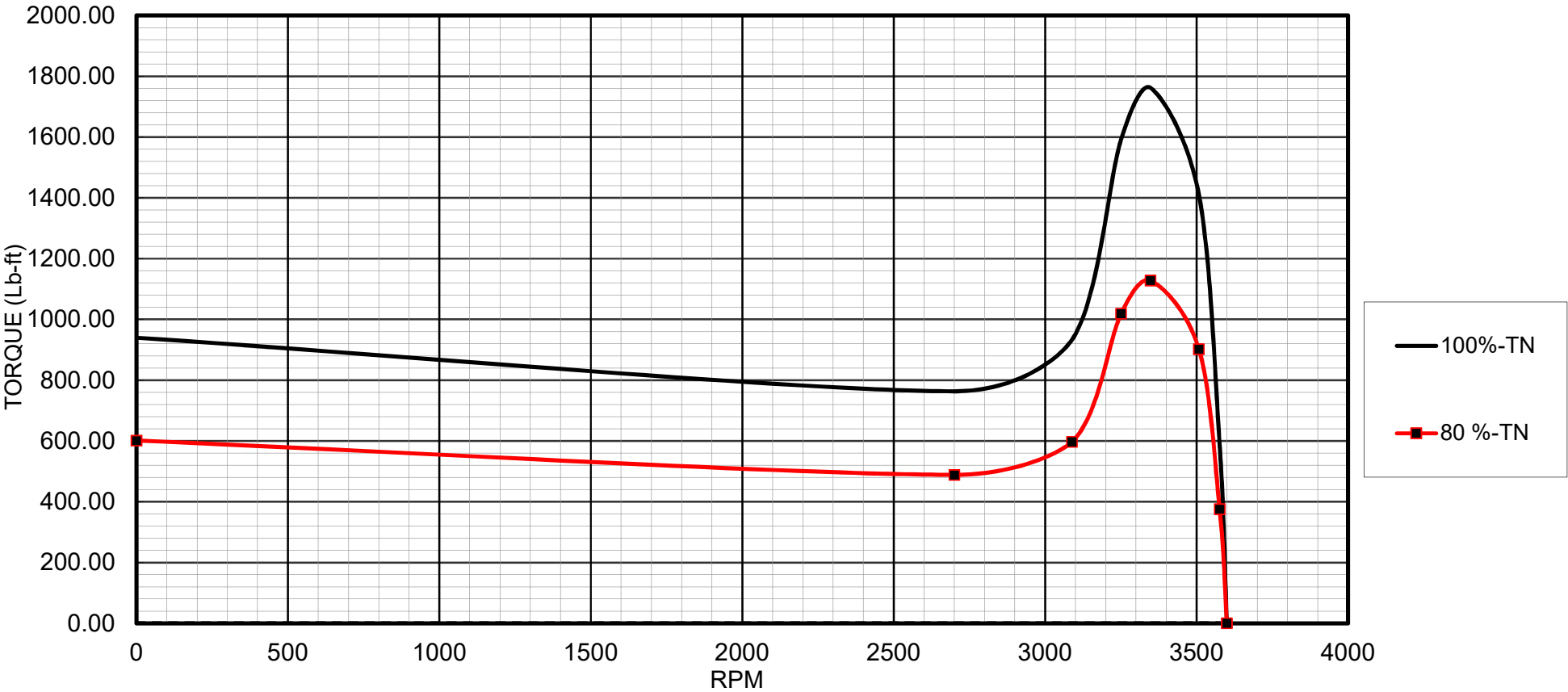
HP : 400

Ts : 939.7 Lb-ft

Tmin. : 763.5 Lb-ft

Tmax. : 1761.9 Lb-ft

Tf : 587.3 Lb-ft



APPD.	Wang	20201005
CHKD.	Wang	20201005
DWN.	ROBOHUANG	20201005

TECO   **Westinghouse**

DWG NO. Rev.01

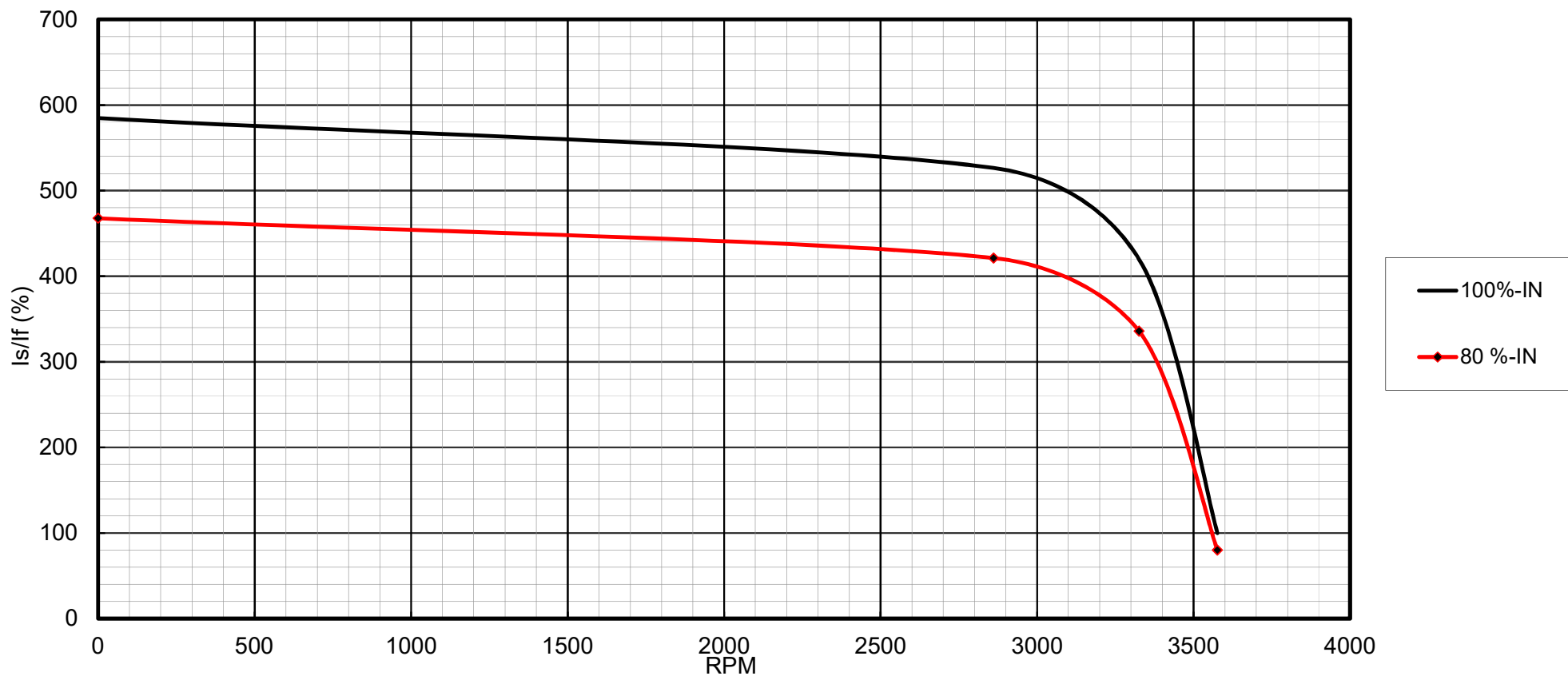
T-N

I-N CURVE

NO. : TTALR20032001
POLE : 2
HZ : 60

TYPE : AEHH8N
HP : 400
VOLT. : 460

Full load current : 438 A
Lock rotor current / Full load current : 584 %



APPD.	Wang	20201005
CHKD.	Wang	20201005
DWN.	ROBOHUANG	20201005

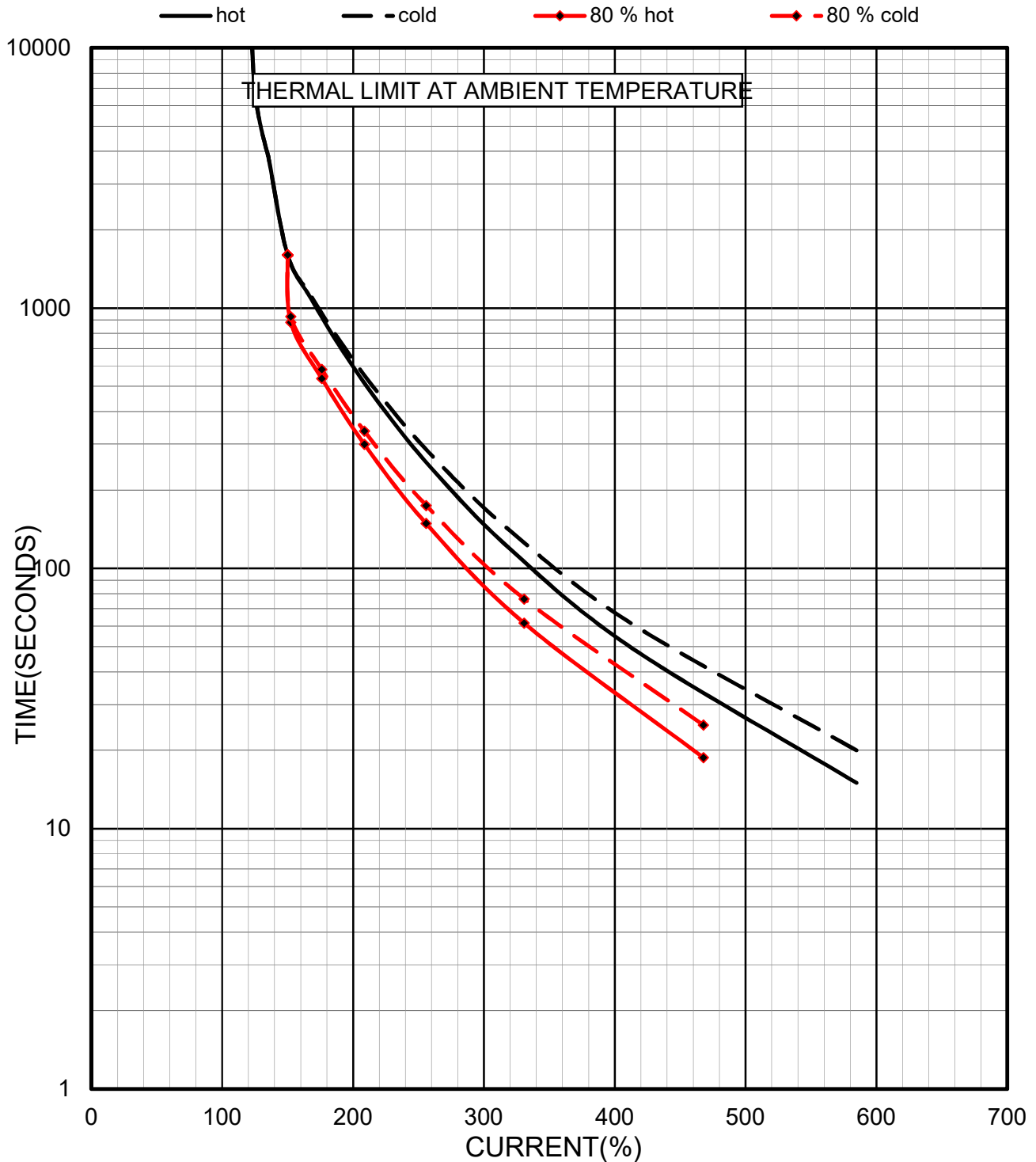
TECO   **Westinghouse**

DWG NO. Rev.01

I-N

THERMAL LIMIT CURVES

NO. : TTALR20032001 TYPE : AEHH8N
 POLE : 2 HP : 400
 HZ : 60 VOLT. : 460
 Load WK2 (LB-FT2) : 315
 Motor WK2 (LB-FT2) : 69.3
 Full load current : 438 A



APPD.	Wang	20201005	TECO  Westinghouse	DWG NO. Rev.01
CHKD.	Wang	20201005		
DWN.	ROBOHUANG	20201005		TIME