

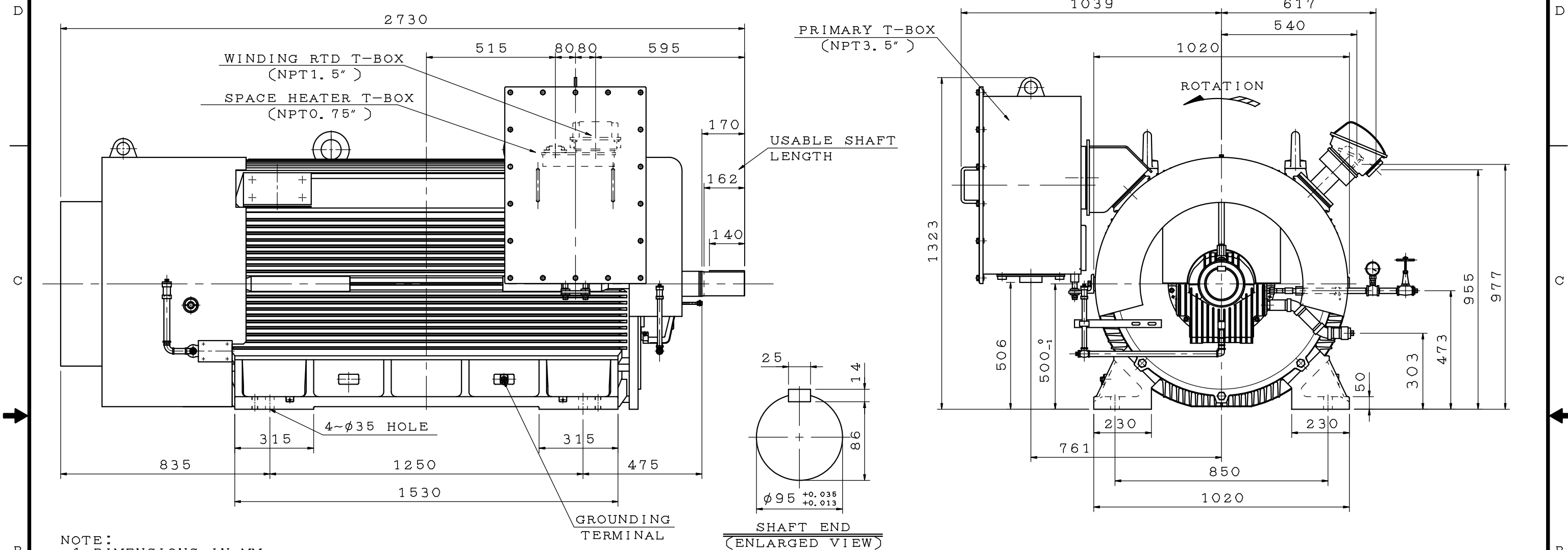
SPECIFICATION TABLE OF 3-PHASE SQUIRREL CAGE INDUCTION MOTOR	CUSTOMER	TWMC	USER	RR-S
	INQ. NO.		EQUIPMENT	
	JOB NO.	FD111031T1	MACHINE	
	TOTAL SETS	2	ITEM NO.	

Item	Terms	Description				
1	Model	AFJH-S2				
2	Code or Standard	Dimensions	Frame Assignment	Performance	Test	
		IEC	TWMC	NEMA	NEMA	
3	Rating	1250 HP 2 Pole 2300/4160 Volt 3 Phase 60 Hz				
4	Service Duty	Continuous Rating , S.F. 1.15				
5	Starting Method	D.O.L.				
6	Rotation	Facing The Drive End : CCW				
7	Drive Method	Direct Coupling				
8	Environment	Amb. Temp. : -20 ~ 40 °C				
		Humidity : Less Than 95 %RH				
		Altitude : Up to 2200 M				
9	Enclosure & Protection	IP54 : Totally Enclosed		Indoor		
10	Cooling	IC411 : Self External Fan, Surface Cooling				
11	Mounting	IM1001 : HS, Foot				
12	Dimensions	Dr# 4A040C549(REV.00)		Frame No : 500CA		
13	Frame & Bracket	Frame : Cast Iron		Bracket : Steel Plate		
14	Fan & Fan Cover	Fan :Reinforced Plastic		Fan Cover :Steel Plate		
15	Terminal Box	Steel Plate				
16	Lead Terminals	(TLK70-10)X6				
17	Lubrication	Oil Viscosity : ISO VG32 (Sleeve Bearings)				
18	Painting	Color : MUNSELL 7.5B 3.5/0.5				
19	Stator Winding	Ins. Class F				
20	Rotor Conductor	Cu-Alloy		WR^2 : 485 Lb-ft^2		
21	Starting Performance	LRC ≤ 1970 Amp		LRT/FLT	85 %	
22	Operating Performance	Hz/V	60/2300			Break Down Torque 240 %FLT
		%Load	100	75	50	
		Amp.	266	204	149	
		Eff.%	96.8	96.5	95.5	Temp. Rise Limit. (Res.) Stator 80 °C at S.F.1.0
		P.F.%	91.0	89.0	82.0	
		R.P.M.	3586	3590	3593	
23	Approximate Weight	Motor : 6400 Kgs				
24	Note	1.With Space Heater : 1φ 120V 400W 2.With Winding RTD : PT 100Ω/0°C 6pcs				

APPD.	Ming	NOV. 30 2010		DWG NO.
CHKD.	Sandy	NOV. 30 2010		3A057H186-51063
DWN.	CF.WENG	OCT. 29 2010		REV.00 1/1

TYPE	OUTPUT		POLE	TIME RATING	VOLTAGE V	Hz	SYN. SPEED R. P. M
	HP.	kW.					
AFJH-S2	1250		2	CONT.	2300/4160	60	3600

TOTALLY ENCLOSED FAN-COOLED TYPE. SQUIRREL-CAGE ROTOR



NOTE:

- DIMENSIONS IN MM
- FRAME NO. 500CB
- F CLASS INSULATION, S. F. 1.15
- FOR DIRECT FLEXIBLE COUPLING
- ENCLOSURE: IP54
- BEARING SIZE: DRIVE-END: 9S-100 (UNINSULATED)
OPP. DRIVE-END: 9S-100 (INSULATED)
- THE NON-DRIVE END BEARING LINER (SHELL) IS INSULATED FROM THE HOUSING. METAL CONNECTIONS MADE TO THE BEARING SHELL MUST BE INSULATED TO PREVENT AN INSULATION SHORT CIRCUIT. METAL CONNECTIONS MADE TO THE HOUSING DO NOT NEED TO BE INSULATED.
- BEARING LUBRICATION: SELF-LUBRICATION
 - OIL VISCOSITY: ISO VG32 (140~160SSU AT 100°F)
 - OIL QUANTITY: 2.4L FOR EACH BEARING
- BEARING LUBRICATION: FORCE OIL LUBRICATION
 - OIL VISCOSITY: ISO VG32 (140~160SSU AT 100°F).
 - OIL FLOW RATE: 1.9L/MIN (TOTAL).
 - OIL INLET PRESSURE: 1.0 KG/CM².
 - OIL INLET TEMPERATURE: 48°C, MAX.
 - OIL INLET ORIFICE: 2.0MM FOR EACH BEARING.
- SLEEVE TYPE BEARING, AXIAL THRUST LOAD NOT ALLOWED
- THE MOTOR ENDPLAY IS ± 7 MM. A LIMITED END FLOAT TYPE COUPLING IS REQUIRED TO LIMIT ENDPLAY TO ± 2.4 MM.

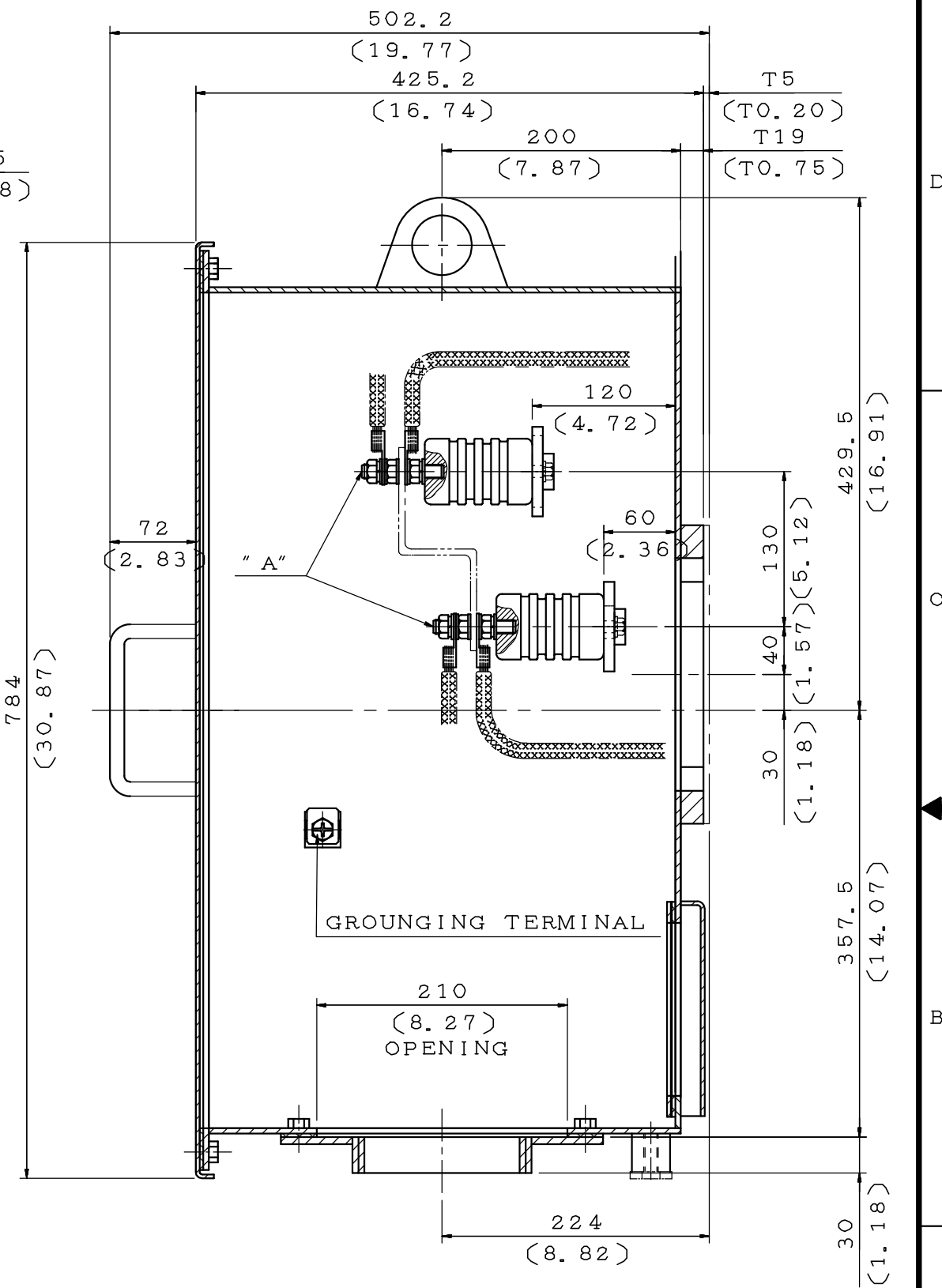
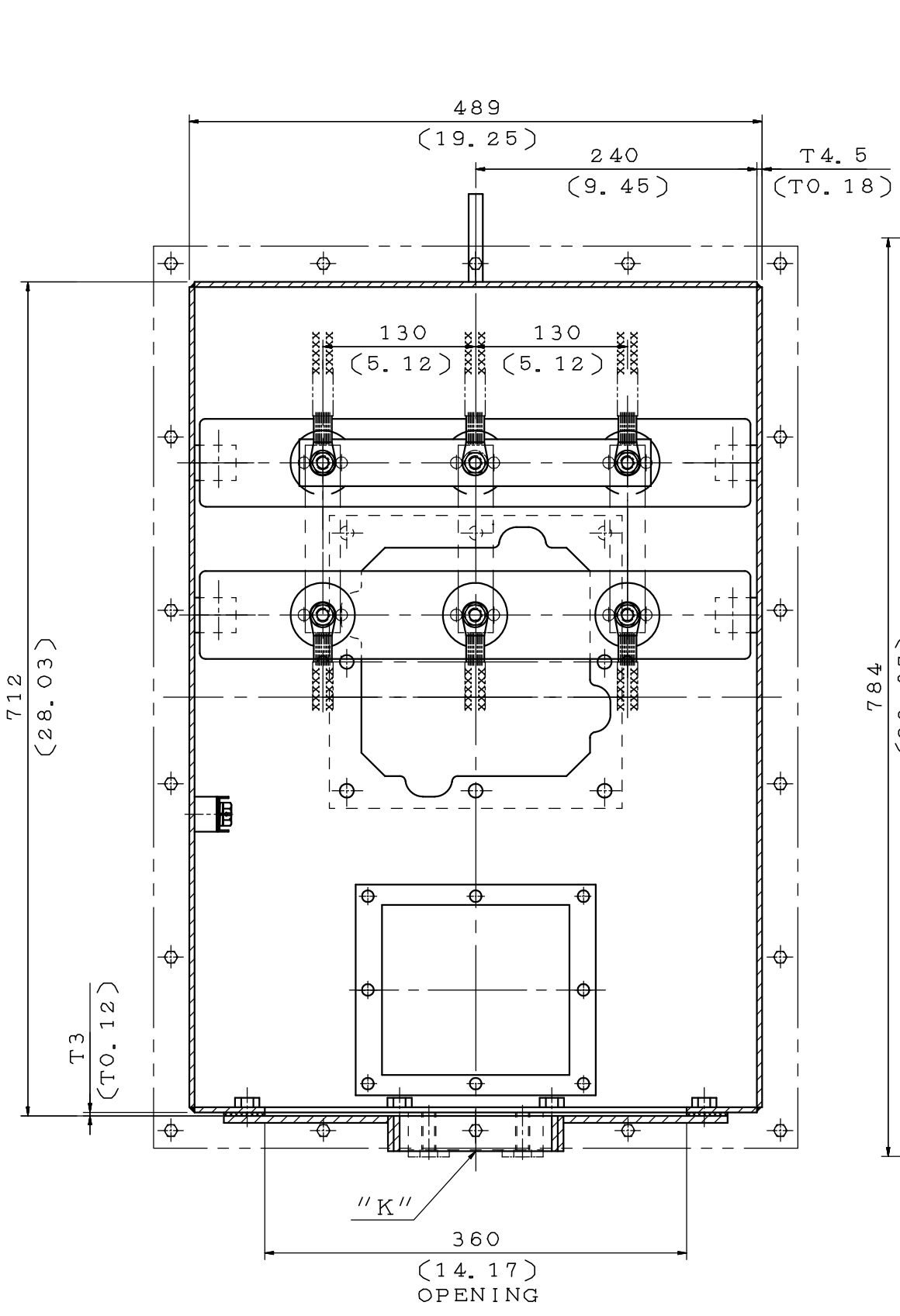
- WITH SPACE HEATER: 1 ϕ 120V 400W.
- WITH WINDING RTD: PT 100 Ω /0°C 6PCS.
- PROVISION FOR BEARING RTD
- APPROX. WEIGHT: 6400KGS

DATE		OUTLINE DIMENSIONS	
		3-PHASE INDUCTION MOTOR	
DWN.	C. WANG	NOV. 24. 2010	DWG NO. REV: 00
CHKD.	B. LIN	NOV. 29. 2010	4A040C549
APPD.	B. YANG	NOV. 29. 2010	

TECO Westinghouse

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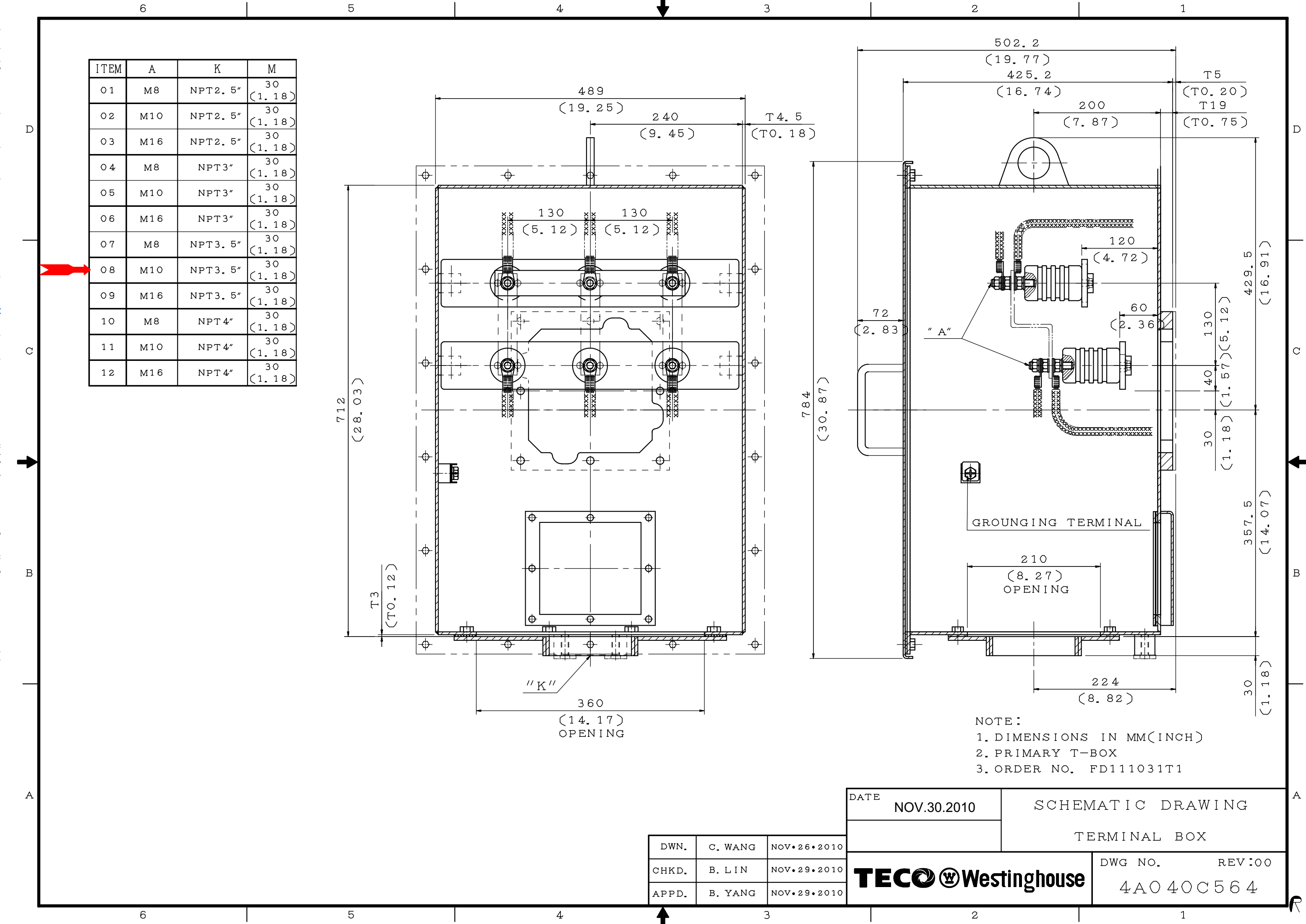
ITEM	A	K	M
01	M8	NPT2.5"	30 (1.18)
02	M10	NPT2.5"	30 (1.18)
03	M16	NPT2.5"	30 (1.18)
04	M8	NPT3"	30 (1.18)
05	M10	NPT3"	30 (1.18)
06	M16	NPT3"	30 (1.18)
07	M8	NPT3.5"	30 (1.18)
08	M10	NPT3.5"	30 (1.18)
09	M16	NPT3.5"	30 (1.18)
10	M8	NPT4"	30 (1.18)
11	M10	NPT4"	30 (1.18)
12	M16	NPT4"	30 (1.18)

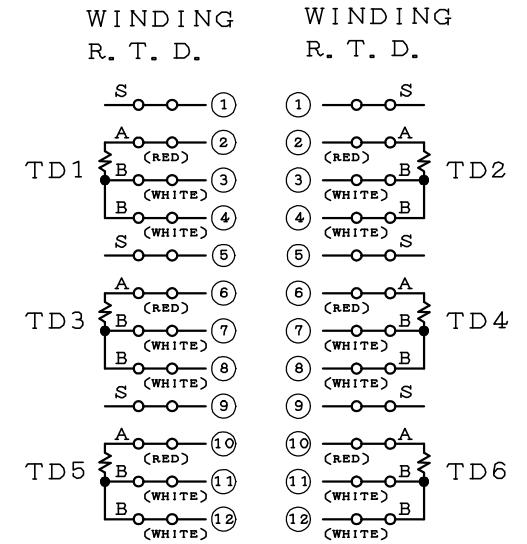
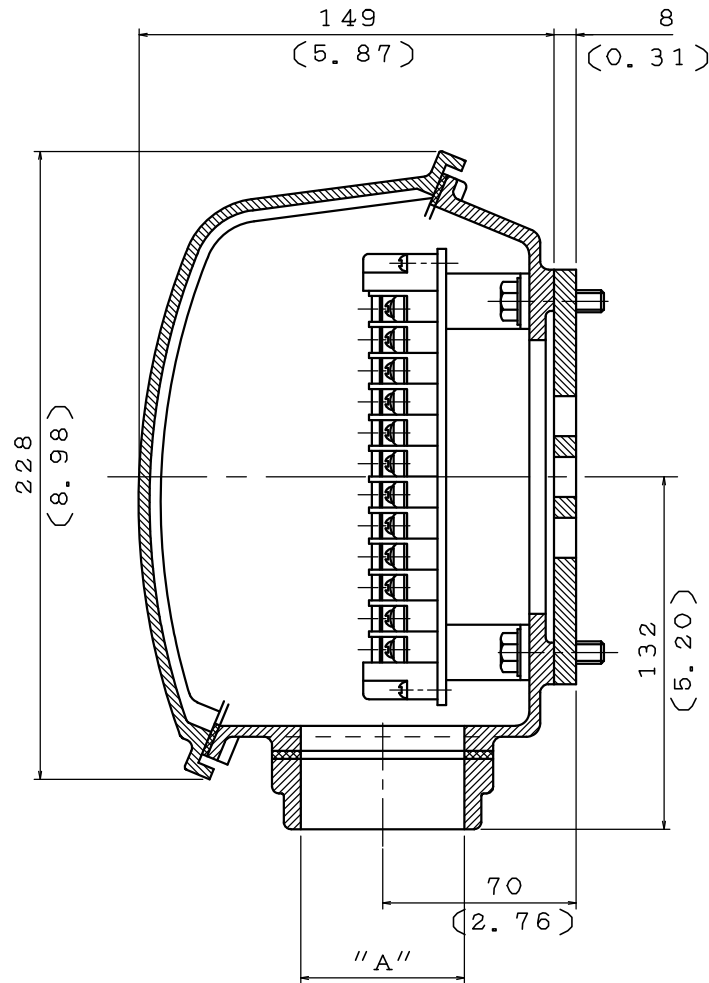
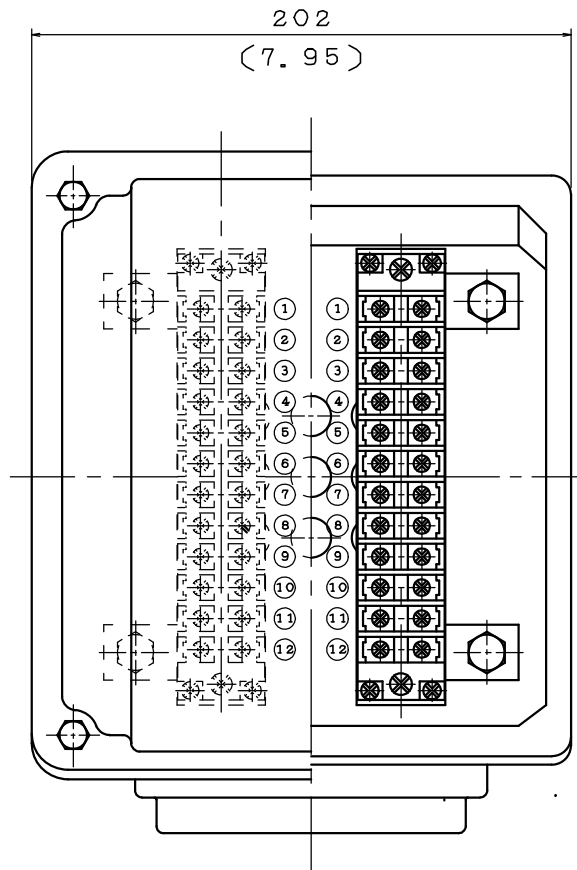


NOTE:
 1. DIMENSIONS IN MM(INCH)
 2. PRIMARY T-BOX
 3. ORDER NO. FD111031T1

DATE	NOV.30.2010	SCHEMATIC DRAWING	
		TERMINAL BOX	
DWG NO.	4A040C564	REV:00	

DWN.	C. WANG	NOV.26.2010
CHKD.	B. LIN	NOV.29.2010
APPD.	B. YANG	NOV.29.2010





ITEM	A
01	PF-1"
02	PF-1.5"
03	PF-2"
04	NPT-1"
05	NPT-1.5"
06	NPT-2"
07	M25×1.5
08	M32×1.5
09	M50×1.5
10	NPT-0.75"
11	M20×1.5
12	

NOTE :

1. DIMENSION IN MM(INCHES).
2. TW-36
3. WINDING R. T. D. T-BOX.
4. TD1 & TD2 FOR U(T1) PHASE
TD3 & TD4 FOR V(T2) PHASE
TD5 & TD6 FOR W(T3) PHASE.
5. ORDER NO. FD111031T1.
6. ENCLOSURE: IP65(NEMA 4X)
7. MATERIAL: CAST IRON

DATE NOV.30.2010

SCHMATIC DRAWING

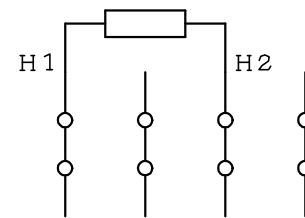
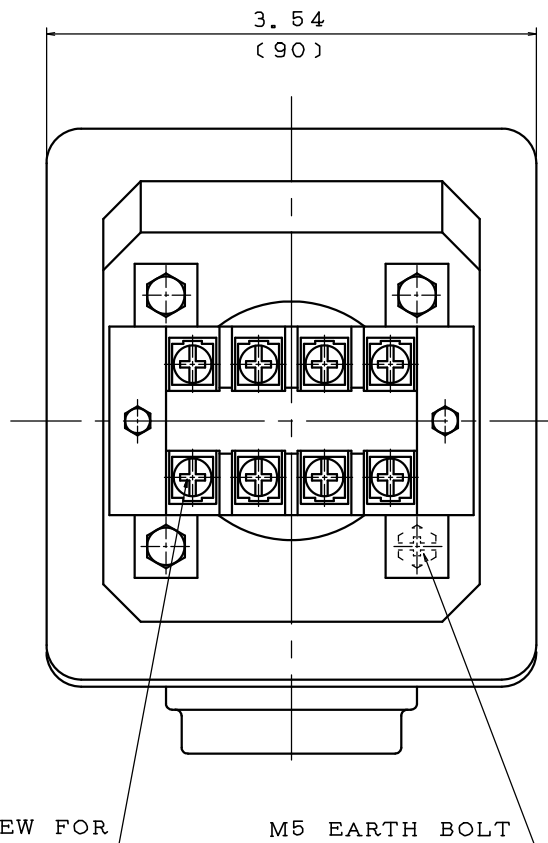
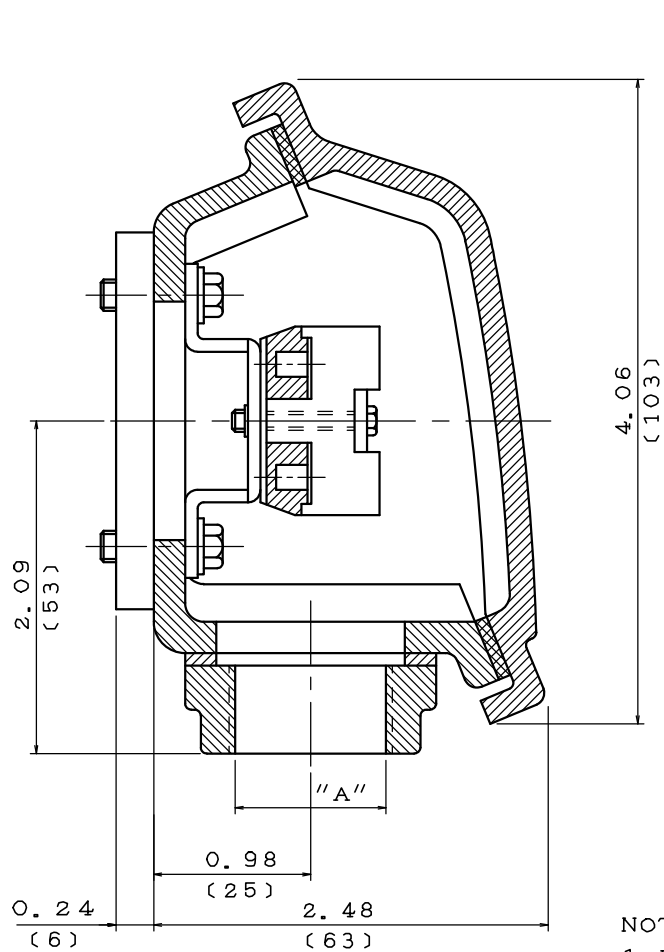
TERMINAL BOX

DWN.	S. WANG	MAR•26•1999
CHKD.	J. PENG	MAR•29•1999
APPD.	A. WU	MAR•29•1999

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DWG NO. REV:12

3A040D418

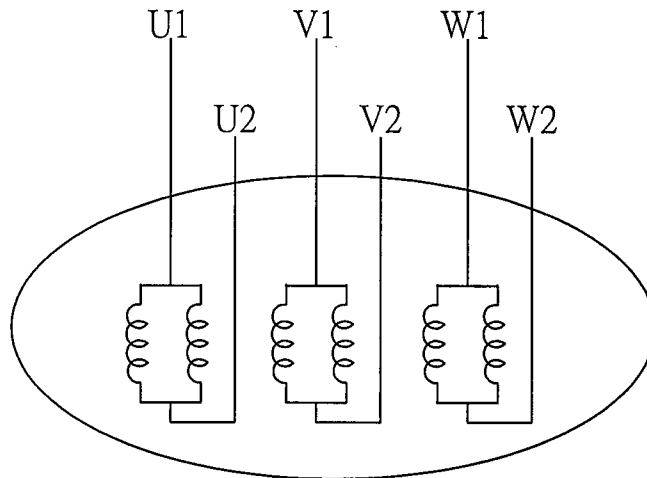


項	A
01	M20×1.5
02	PF-0.5"
03	PF-0.75"
04	PT-0.5"
05	PT-0.75"
06	NPT-0.5"
07	NPT-0.75"
08	M25×1.5
09	PF1"
10	NPT1"
11	PG16

- NOTE:
1. DIMENSIONS IN INCHES (MM).
 2. TW-06
 3. SPACE HEATER T-BOX.
 4. ORDER NO. FD111031T1.
 5. ENCLOSURE: IP55 (NEMA 4X)
 6. MATERIAL: CAST IRON

DATE	NOV.30.2010	SCHEMATIC DRAWING	
		TERMINAL BOX	
DWN.	H. HUANG	JUL.19.2003	DWG NO. REV:04 3A040U272
CHKD.	H. HUANG	JUL.19.2003	
APPD.	C. WANG	JUL.19.2003	
TECO® Westinghouse			

DATE NOV.30.2010	SCHEMATIC 6 LEADS	MODEL



SCHEMATIC DIAGRAM - 6 LEADS

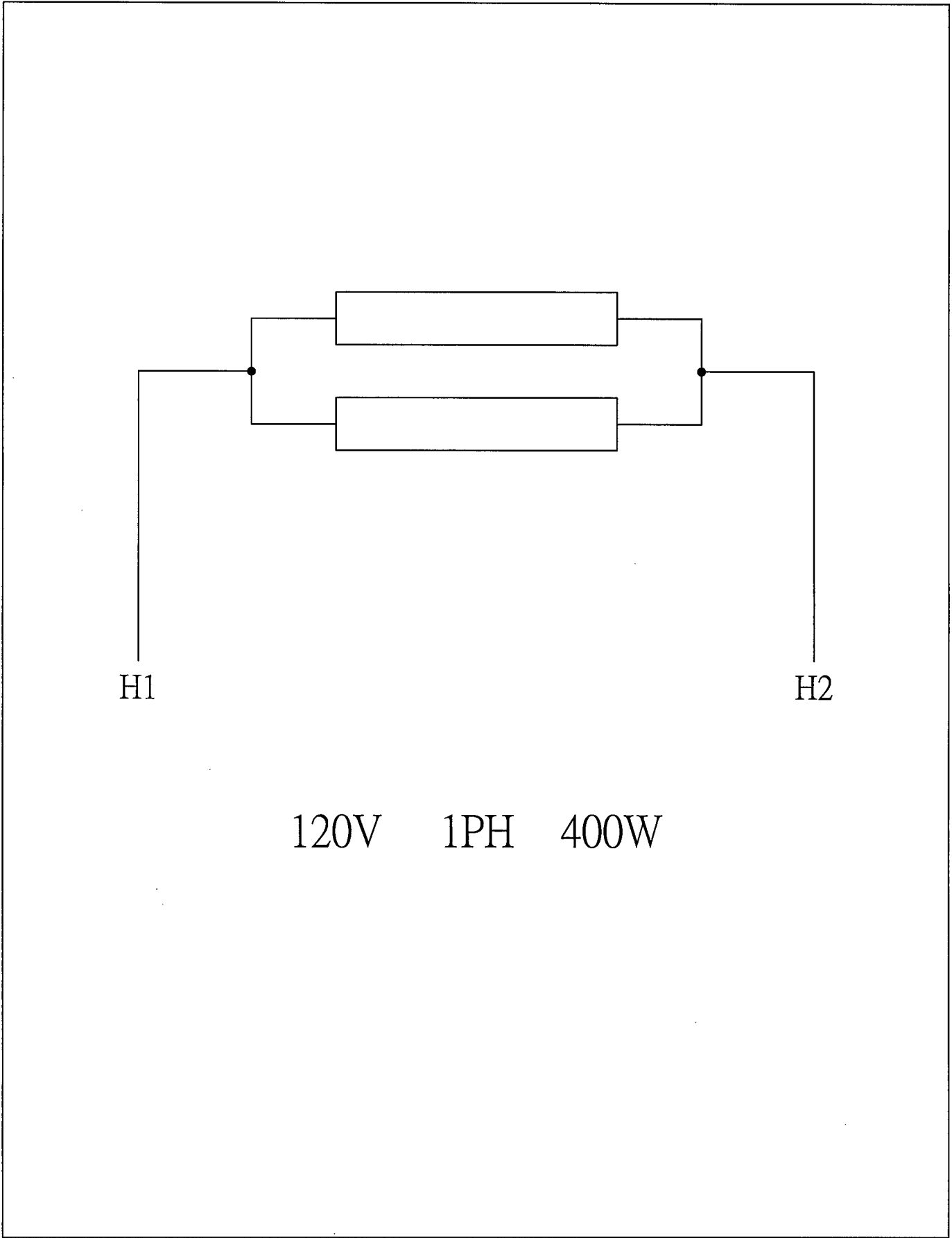
VOLTAGE	CONNECTION	ROTATION (VIEWED FROM DRIVE END)
LOW	<p>The diagram shows three horizontal lines representing power supply lines labeled R, S, and T. Below them, a star-shaped winding is shown. The top lead of the star is labeled U1. The bottom-left lead is labeled W1 and V2. The bottom-right lead is labeled U2 and V1. The middle lead is labeled W2.</p>	<p>A curved arrow pointing downwards and to the right, indicating clockwise rotation when viewed from the drive end.</p>
HIGH	<p>The diagram shows three horizontal lines representing power supply lines labeled R, S, and T. Below them, a delta-shaped winding is shown. The top lead is labeled U1. The bottom-left lead is labeled W1. The bottom-right lead is labeled V1. The middle lead is labeled U2, V2, and W2.</p>	<p>A curved arrow pointing downwards and to the right, indicating clockwise rotation when viewed from the drive end.</p>

DWN.	S.HUANG	MAR · 03 · 2003
CHKD.	T.HSIAO	MAR · 03 · 2003
APPD.	T.HSIAO	MAR · 03 · 2003

TECO  **Westinghouse**

DWG NO.	REV: 00
3 A 0 6 1 H 4 7 7	

DATE NOV.30.2010	SCHEMATIC SPACE HEATER	MODEL

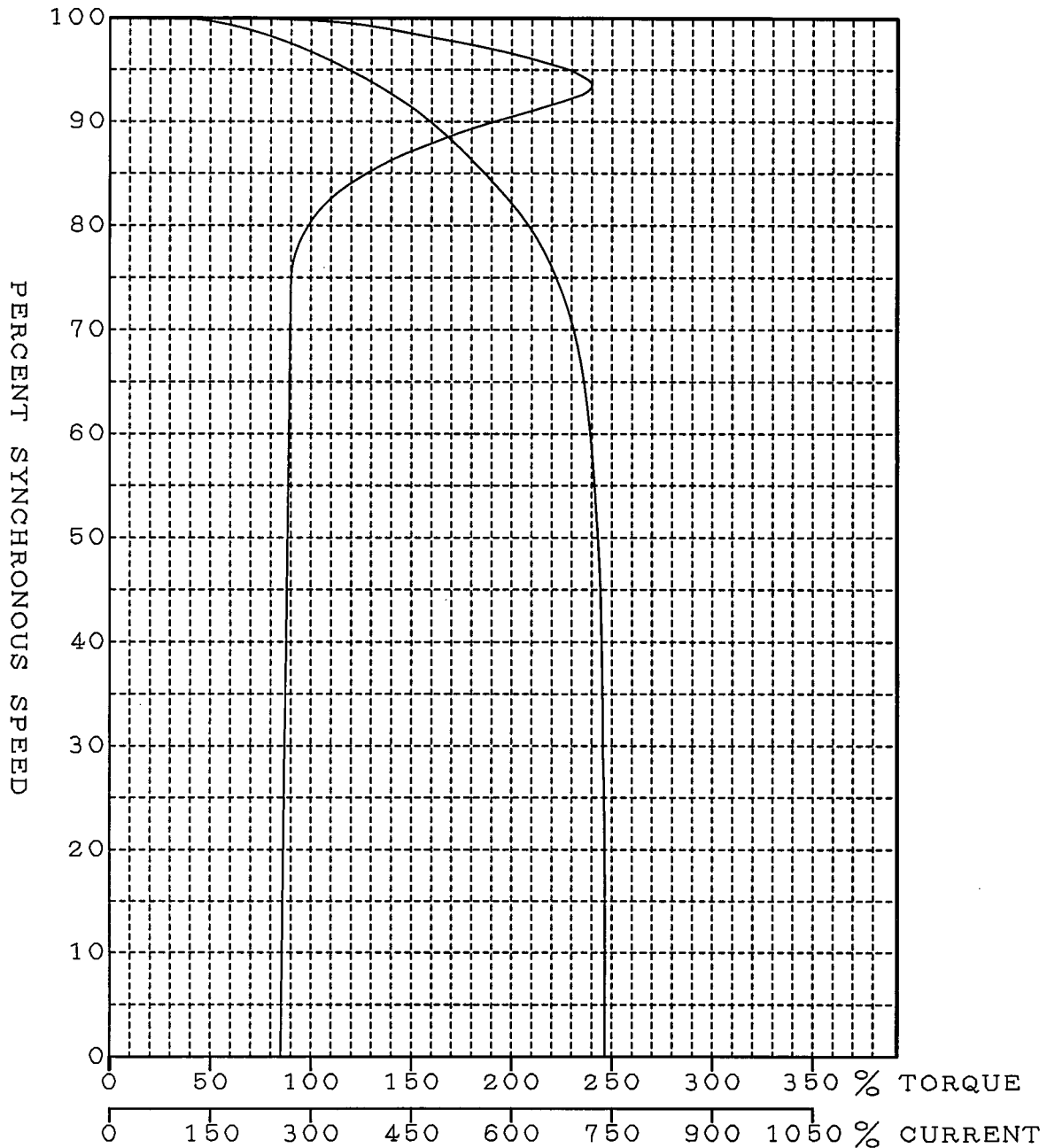


DWN.	S.HUANG	MAR · 03 · 2003	TECO  Westinghouse	DWG NO.	REV: 00
CHKD.	T.HSIAO	MAR · 03 · 2003		3 A 0 6 1 H 2 3 8	
APPD.	T.HSIAO	MAR · 03 · 2003			

INDUCTION MOTOR STARTING CHARACTERISTICS

T-N/I-N CURVE

TYPE:AFJH HP:1250 VOLTS:2300 ORDER NO:FD111031T1
 HZ:60 POLES:2 RPM(FLS):3586
 LOCK AMPS(%):740 LOCK TORQUE(%):85



DWG.	CF. WENG	20101029
APPD.	T. HSIAO	20101029

TECO  **Westinghouse**

DWG NO. REV:00
 FD111031T1
 T-I-N

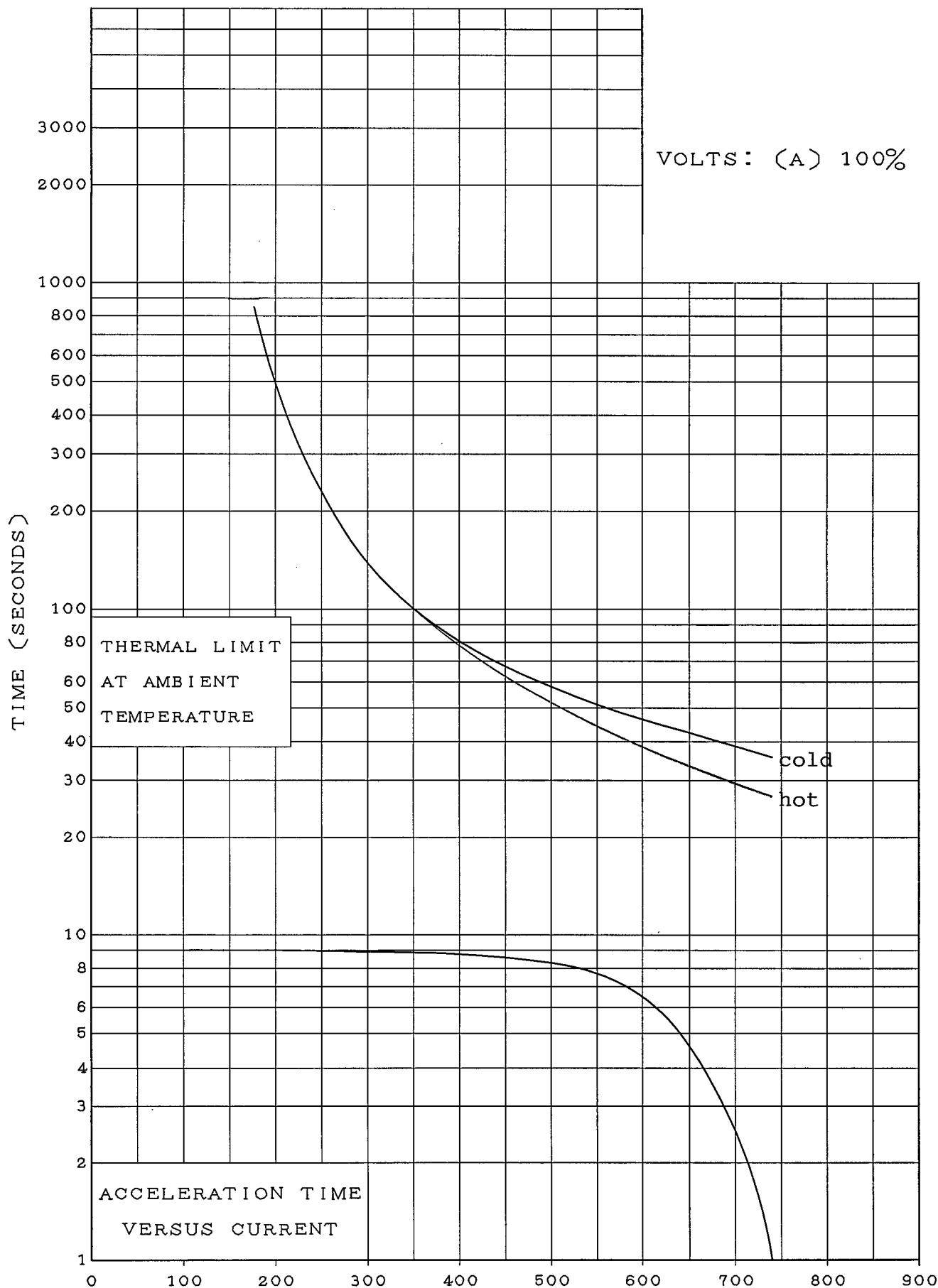
Input Ver:00

TIME — CURRENT AND THERMAL LIMIT CURVES

LOAD WK² (LB-FT²):790
 TYPE:AFJH POLE:2

MOTOR WK² (LB-FT²):485
 HP:1250 NO. : FD111031T1

VOLTS: (A) 100%



DWG.	CF. WENG	20101029
APPD.	T. HSIAO	20101029



DWG NO. REV:00
 FD111031T1
 TIME

Input Ver:01