

BALDOR® • RELIANCE

Product Information Packet

EM4308T

40HP,1185RPM,3PH,60HZ,364T,1468M,TEFC,F1

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A36WG1194	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	617428-011	Poles:	06	Created Date:	10-19-2010
Base:		Eff. Date:	10-12-2017	Leads:	3#4,6#6		

Specs			
Catalog Number:	EM4308T	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	364T	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	40.000 HP @ 60 HZ	KVA Code:	G
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 4 AWG
	460.0 V @ 60 HZ	Motor Type:	A36062M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	80
Agency Approvals:	CCSA US	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	49.400 A @ 460.0 V	Speed Code:	Single Speed
	98.800 A @ 230.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line

Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None
Duty Rating:	CONT	Thermal Device - Winding:	None

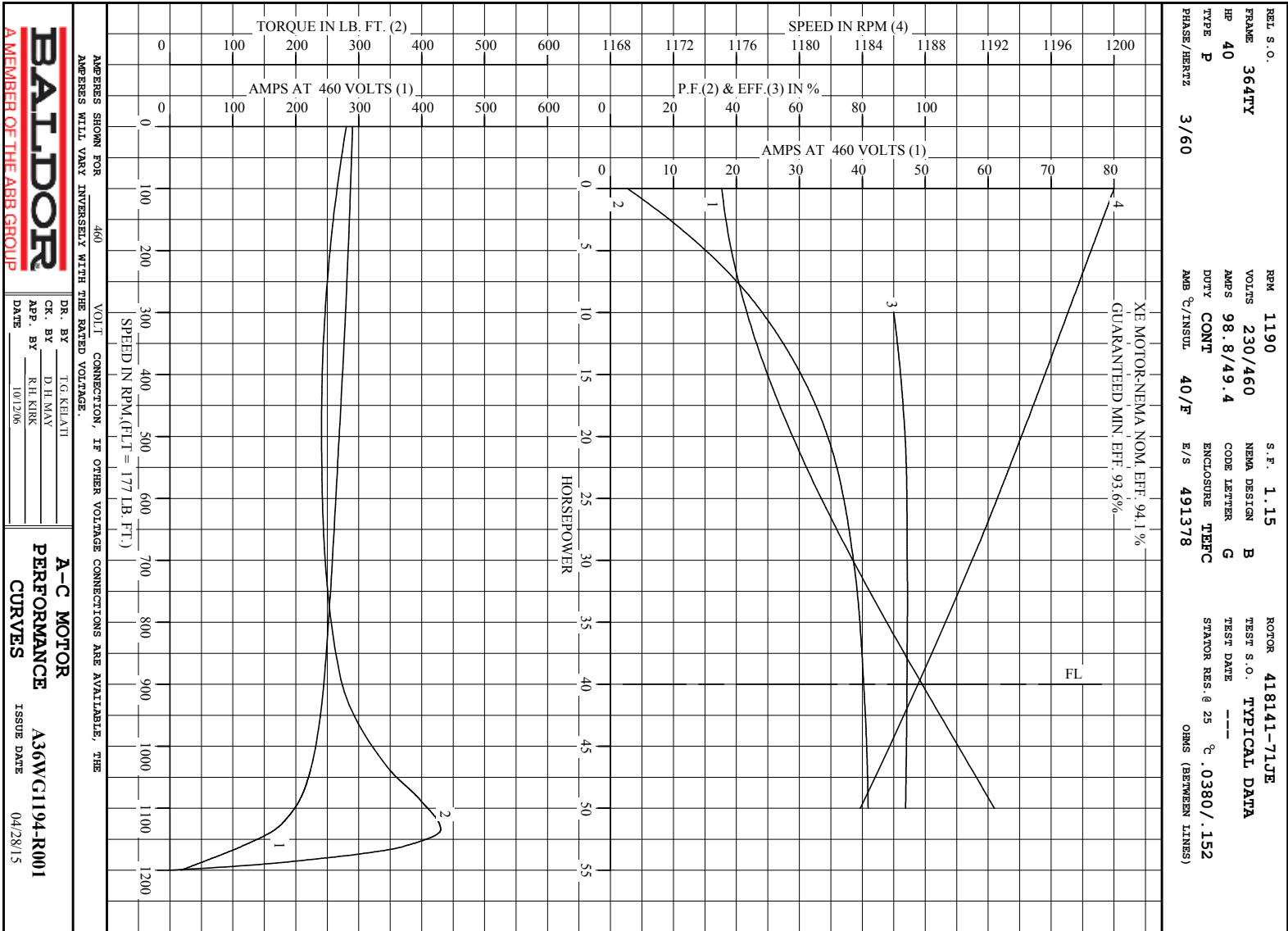
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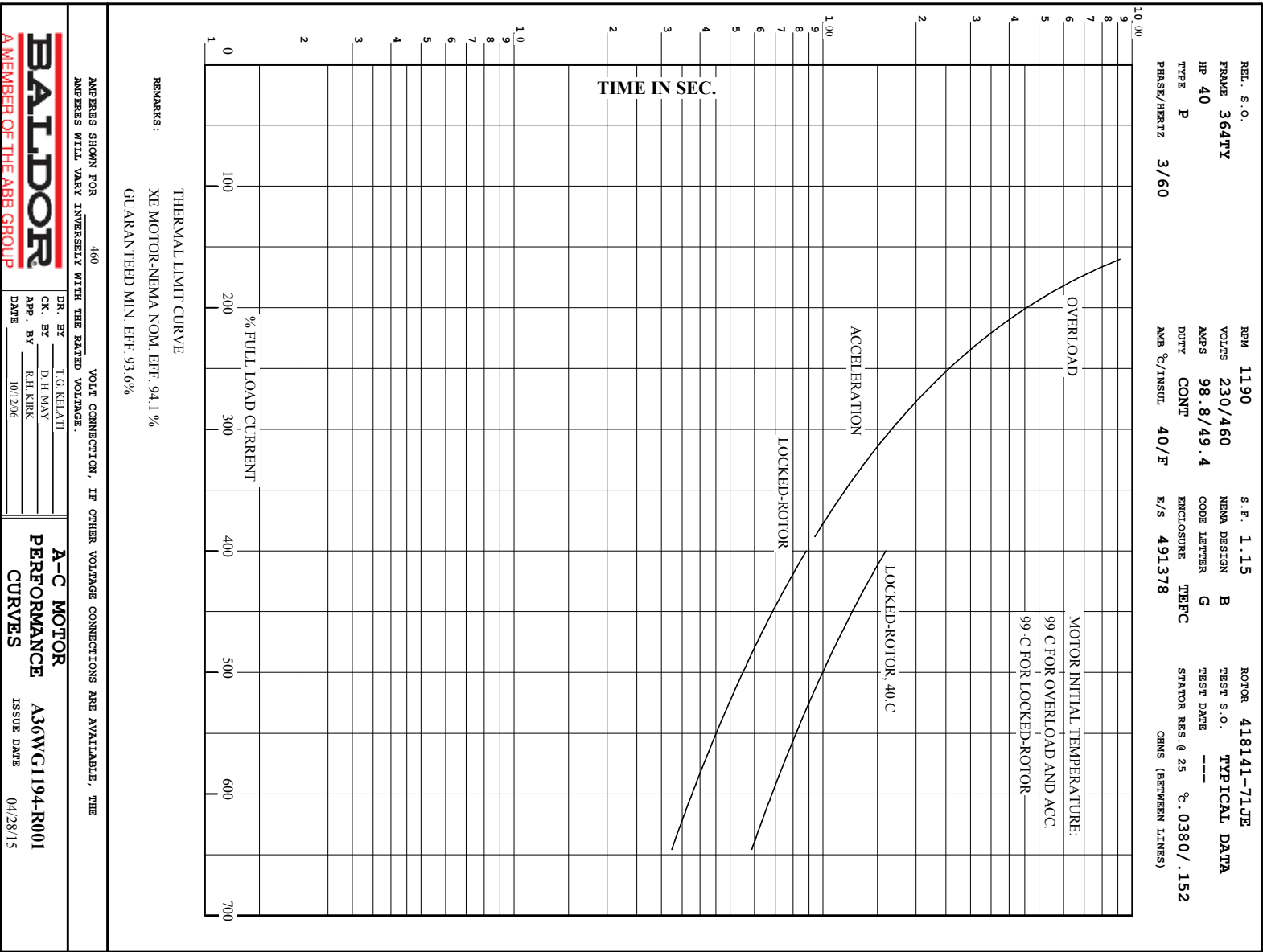
CAT.NO.	EM4308T	SPEC NO.	P36G3400
HP	40	AMPS	98.8/49.4
FRAME	364T	RPM	1190
DRIVE END BEARING	65BC03J30X	HZ	60
OPP D.E. BEARING	65BC03J30X	AMB	40
SER.NO.		SF	1.15
		INSUL.CLASS	F
		PHASE	3
		DUTY	CONT
		TYPE	P
		ENCL	TEFC
		CODE	G
		POWER FACTOR	80
		NEMA-NOM-EFFICIENCY	94.1
		MAX CORR KVAR	12.0
		GUARANTEED EFFICIENCY	93.6
NEMA NOM/CSA QUOTED EFF		MOTOR WEIGHT	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TY	40	P	3/60	1190	230/460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
98.8/49.4	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
491378	418141-71JE	---	---	.0380/.152		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	17.7	1200	5.41	0	
1/4	10.0	21.6	1197	48.3	90.0	
2/4	20.0	29.0	1194	69.0	93.6	
3/4	30.0	38.6	1191	77.2	94.3	
4/4	40.0	49.4	1188	80.5	94.2	
5/4	50.0	61.0	1184	81.9	93.7	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	158	280	290		
PULL UP	480	136	241	270		
BREAKDOWN	1135	243	430	167		
FULL LOAD	1188	100	177	49.4		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA XE MOTOR-NEMA NOM. EFF. 94.1 % GUARANTEED MIN. EFF. 93.6%						
BALDOR A MEMBER OF THE ABB GROUP DR. BY T.G. KEIATTI CK. BY D.H. MAY APP. BY R.H. KIRK DATE 10/12/06 A-C MOTOR PERFORMANCE DATA A36WG1194-R001 ISSUE DATE 04/28/15						

C/R 312091

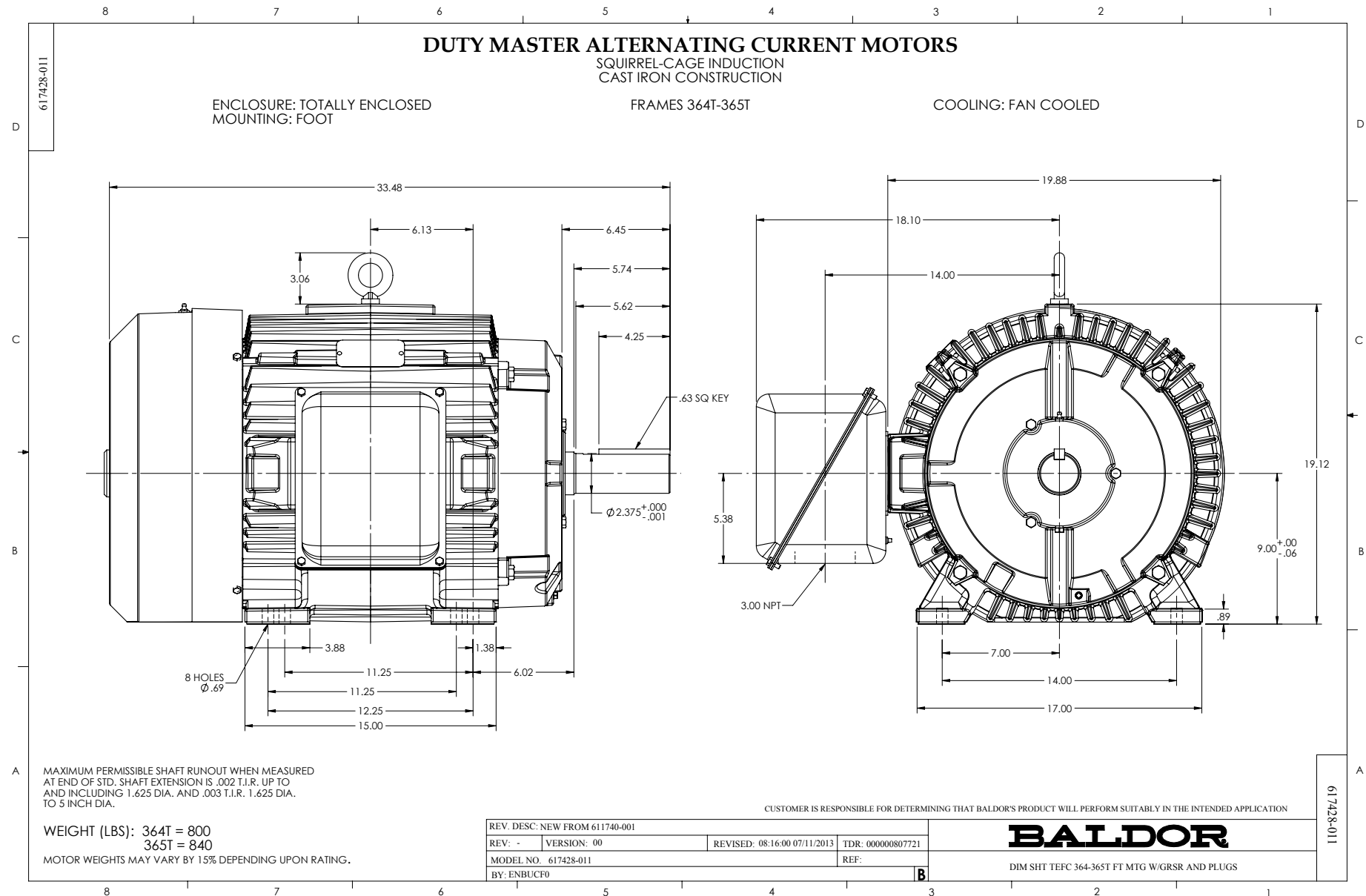
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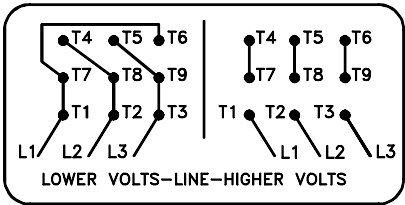
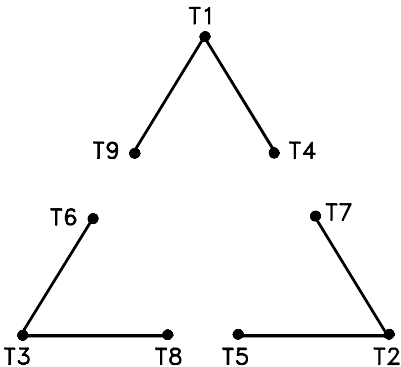
C/R 312091

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416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR	
REV. LTR: -	VERSION: 00	TDR: 000000538207		
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010	CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
MTL: -		BY: RAGRA	SH 1 of 1	