ABB BALDOR RELIANCE

Customer information packet

ECP49308T-4

300HP, 885RPM, 3PH, 60HZ, L449T, TEFC, FOOT
Class - CLI GP A,B,C,D
Division - Division II

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11/17/2026 9:55:51 AM

Specifications

Enclosure	TEFC
Frame	L449T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	900 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	30-60
Current @ Voltage	378.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.0 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Frame Prefix	L
Haz Area Temp Code	T2A
Heater Indicator	No Heater
High Voltage Full Load Amps	378.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	G
Lifting Lugs	Standard Lifting Lugs

Part Detail

Revision	L
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2420
Layout	617423-006
Eff. date	10-24-2024
CD Diagram	416820-036
Poles	08
Leads	3#2 (04 per group)
Proprietary	False
Created date	06-11-2014

Motor Lead Quantity/Wire Size	12 @ 2 AWG
Motor Standards	NEMA
Motor Type	A44208M
Mounting Arrangement	F1
Number of Poles	8
Overall Length	60.13 IN
Power Factor	78
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.00
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	885 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP3238												
CAT NO	ECP49308T-4	**SPEC NO.**	A44-5913-2420									
HP	300	**AMPS**	378	**VOLTS**	460	**DESIGN**	B					
FRAME	L449T	**RPM**	885	**HZ**	60	**AMB**	40	**SF**	1.15			
D.E. BRG.DATA	6222	**O.D.E. BRG.DATA**	6318	**PH**	3	**DUTY**	CONT	**INSUL.CLASS**	F			
D.E. BRG.	110BC02J30X	**TYPE**	P	**ENCL**	TEFC	**CODE**	G					
O.D.E. BRG.	90BC03J30X	**POWER FACTOR**	78	**NEMA NOM EFFICIENCY**	95							
3/4 LOAD EFF.	95.4	**MAX CORR KVAR**	99.0	**GUARANTEED EFFICIENCY**	94.1							
TEMP CODE	T2A	**TEMP =**	280									
CHP HZ	60-75	**CT HZ**	30-60	**VT HZ**	6-60							
INVERTER-TEMP-CODE	T2A											
SER.NO.		**MOTOR WEIGHT**										

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	449L	300	P	3/60	885	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
378	CONT	40/F	1.00	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
401940	418143-87-TE	---	---	.0124

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	143	900	3.34	0
1/4	75.1	172	897	44.0	92.9
2/4	150	227	894	65.0	95.2
3/4	225	298	891	74.0	95.4
4/4	300	378	887	78.0	95.1
5/4	375	463	883	80.2	94.5

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	174	3090	2200
PULL UP	180	135	2400	2124
BREAKDOWN	853	229	4065	1146
FULL LOAD	887	100	1776	378

AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: CALCULATED DATA

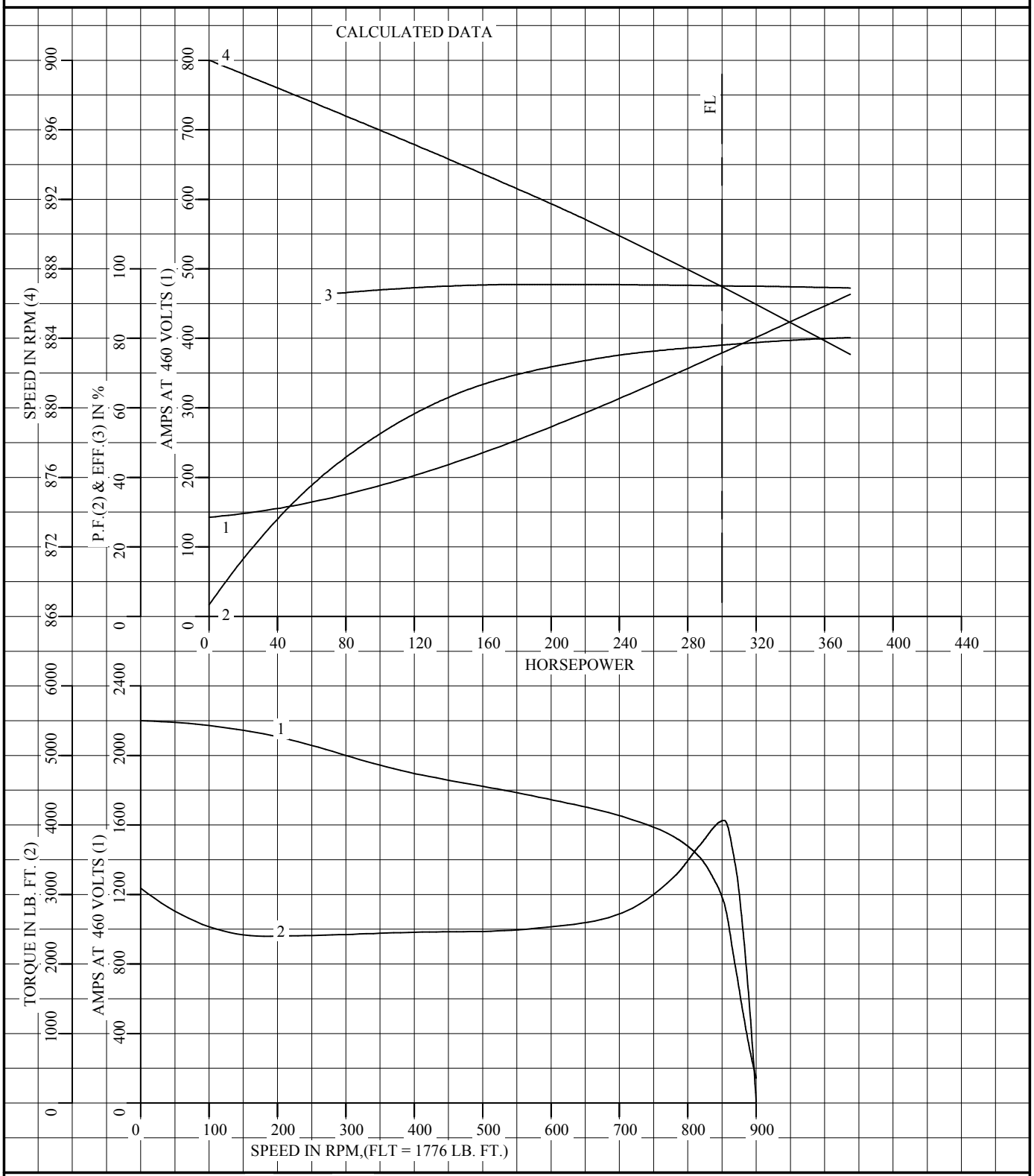
BALDOR

DR. BY P.B. GREENE
CK. BY K.W. KANOUFF
APP. BY K.W. KANOUFF
DATE 06/15/00

A-C MOTOR PERFORMANCE DATA

A44WG2420-R002
ISSUE DATE 06/15/00

FRAME 449L	RPM 885	S.F. 1.00	ROTOR 418143-87-TE
HP 300	VOLTS 460	NEMA DESIGN B	TEST S.O. ---
TYPE P	AMPS 378	CODE LETTER G	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃ .0124
	AMB ℃/INSUL 40/F	E/S 401940	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY	P.B. GREENE
CK. BY	K.W. KANOUFF
APP. BY	K.W. KANOUFF
DATE	06/15/00

A-C MOTOR PERFORMANCE CURVES

A44WG2420-R002

ISSUE DATE 06/15/00

DUTY MASTER ALTERNATING CURRENT MOTORS

617423-006

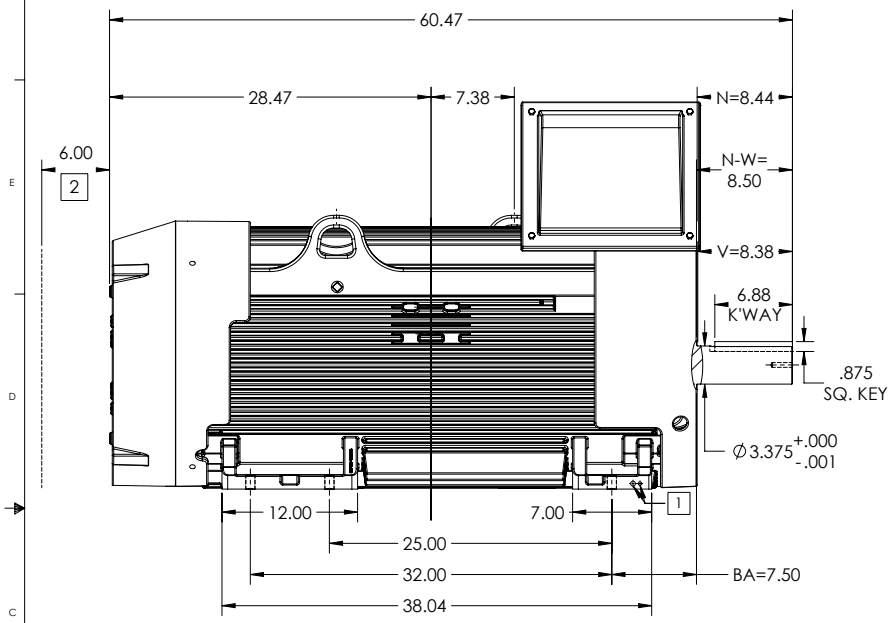
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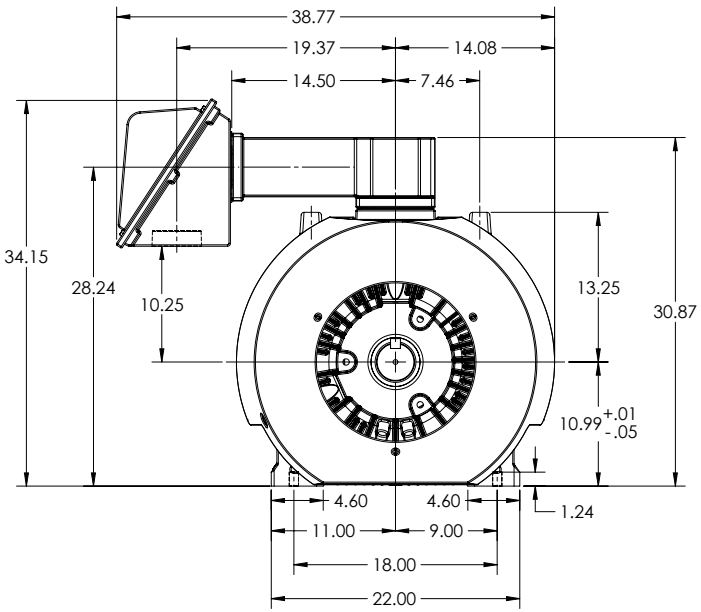
SQUIRREL-CAGE INDUCTION

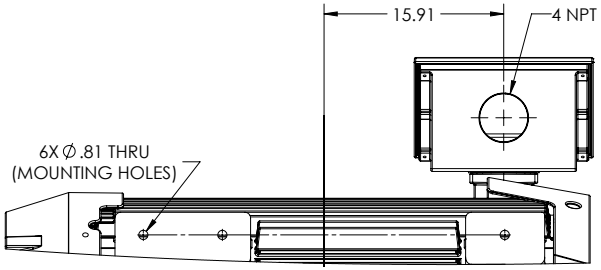
MOUNTING: FOOT, F-1

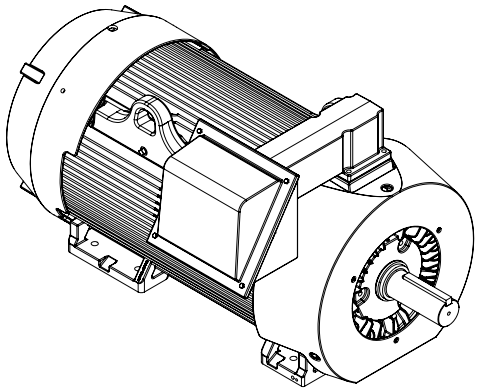
GL449T/G449T FRAME MOUNTING HOLES

COOLING: FAN COOLED









1 GROUND HOLES QTY (1) 1/2-13 TAP; QTY (1) 3/8-16 TAP

2 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .003" T.I.R.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS.
WEIGHT (LBS): 3875, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATE DS QUALITY			
REV: D	VERSION: 04	REVISED: 09:36:15 01/16/2018	TDR: 000001056307
MODEL NO. 617423-006			REF: -
BY: USJEDIL	Material: -	C	

BALDOR

GL449/449T F1 FOOT TEFC/CAST IRON BOX W/ LEAD THROAT

617423-006

617423-006

DUTY MASTER ALTERNATING CURRENT MOTORS

617423-006

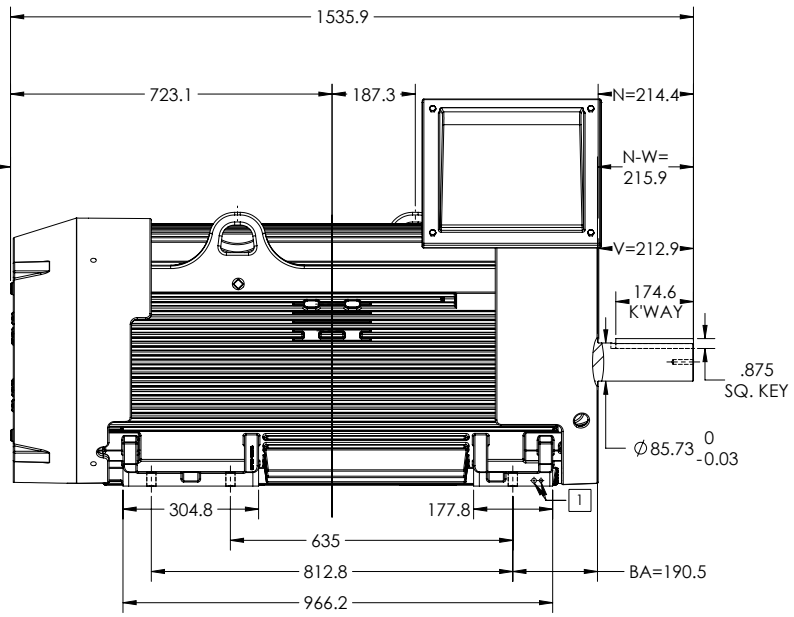
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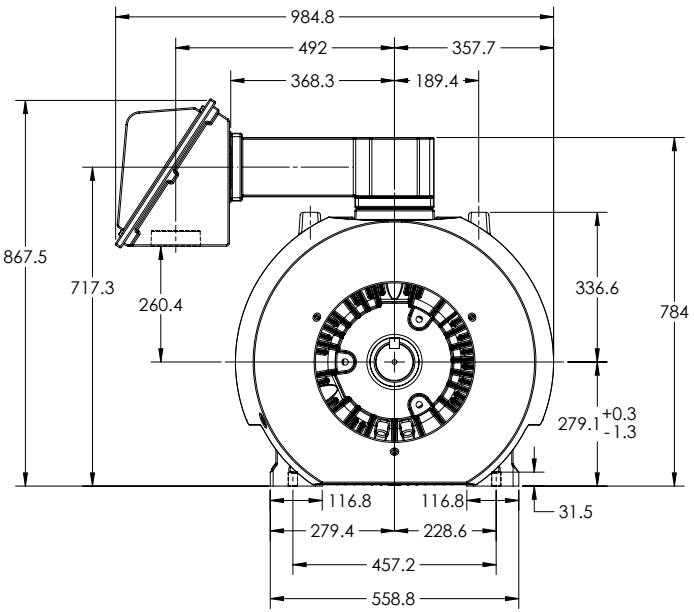
SQUIRREL-CAGE INDUCTION

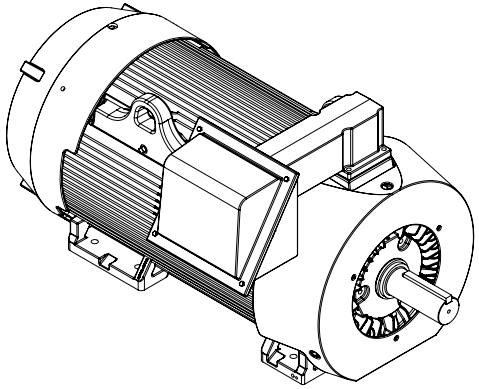
MOUNTING: FOOT, F-1

GL449T/G449T FRAME MOUNTING HOLES

COOLING: FAN COOLED







1 GROUND HOLES QTY (1) 1/2-13 TAP; QTY (1) 3/8-16 TAP

2 OBSTRUCTION MUST NOT ENCROACH ON AIR INLET.

IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAX PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STANDARD SHAFT EXTENSION IS .08 T.I.R.

DIMENSIONS IN MILLIMETERS.
WEIGHT (KG): 1758, MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: UPDATE DS QUALITY			
REV: D	VERSION: 04	REVISED: 09:36:15 01/16/2018	TDR: 000001056307
MODEL NO. 617423-006			REF: -
BY: USJEDIL	Material: -	C	

BALDOR

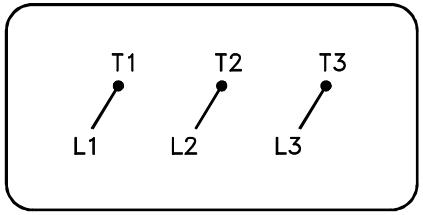
GL449/449T F1 FOOT TEFC/CAST IRON BOX W/ LEAD THROAT

617423-006

617423-006

416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
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FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG - STANDARD 3 LEAD
MTL: -		BY: RAGRA	SH 1 of 1