

BALDOR® • RELIANCE

Product Information Packet

ECP44354T-4

350HP,1785RPM,3PH,60HZ,L449T,TEFC

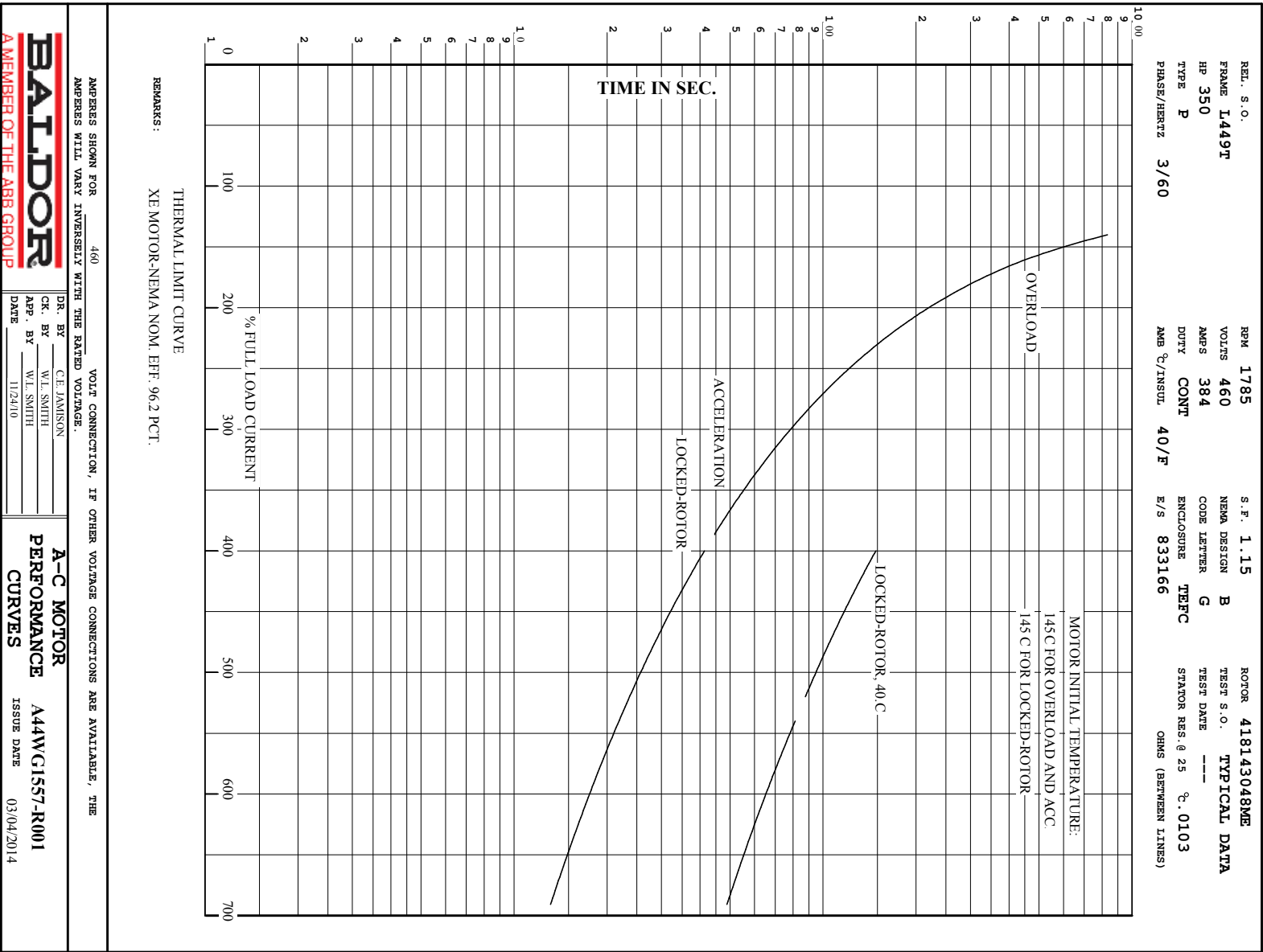
Part Detail							
Revision:	Q	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44176M	Elec. Spec:	A44WG1557	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617423-006
Frame:	L449T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-29-2014
Leads:	3#2 (04 per group)					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3238									
CAT NO	ECP49354T-4	SPEC NO.	P44G5908						
HP	350	AMPS	384	VOLTS	460	DESIGN	B		
FRAME	L449T	RPM	1785	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	87.9	NEMA NOM EFFICIENCY	96.2				
3/4 LOAD EFF.	96.6	MAX CORR KVAR	50	GUARANTEED EFFICIENCY	95.8				
TEMP CODE	T2C	TEMP =	230						
CHP HZ	60-90	CT HZ	30-60	VT HZ	0-60				
INVERTER-TEMP-CODE	T2C								
SER.NO.		MOTOR WEIGHT							

Parts List		
Part Number	Description	Quantity
SA208364	SA P44G5908	1.000 EA
RA195629	RA P44G5908	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
083199082RA	G28 FAN COVER W/BAFFLE ASSY 83199-82A	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
410700004A	WSHR	1.000 EA
412118006A	DRAIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
415045002A	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
034530072AB	P/NIP 1/8X9"L Threaded both ends	1.000 EA
034530072BB	PIPE NIPPLE,DE - 440-BS	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
089490101A	G28 BRKT 089490100WCA	1.000 EA
412118006A	DRAIN	1.000 EA
415915007G	GASK, LAC	1.000 FT
415045002D	SLGR - 440	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151014H	RETAIN RING	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018006BK	HHCS 5/16-18X3/4 PLATED	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
702623011RA	G28 AIR DEFLECTOR DRIVE END	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
032130014DB	HSCHS1/2-13X1-3/4 PLATE	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
034000016AB	WSHR .531ID 1.062OD .095	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
067053014A	GASK 440	1.000 EA
076870000B	+CBCST BLKT - 440	1.000 EA
076871000A	+CBOX CVR BLKT - 449	1.000 EA
406056007A	GASKET, 440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
415030115A	G28 C/BOX 415030114WCA	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
004824003AJD	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.375 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.094 GA
L482401016	SPRAY AC-29-7S	0.013 GA
421948051	LABEL, MYLAR	1.000 EA
415039027A	GASKET, G28 LEAD THROAT	2.000 EA
PK5005A01	WOOD BASE 449 60 X 41-1/2 BLT 25 X 18	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA

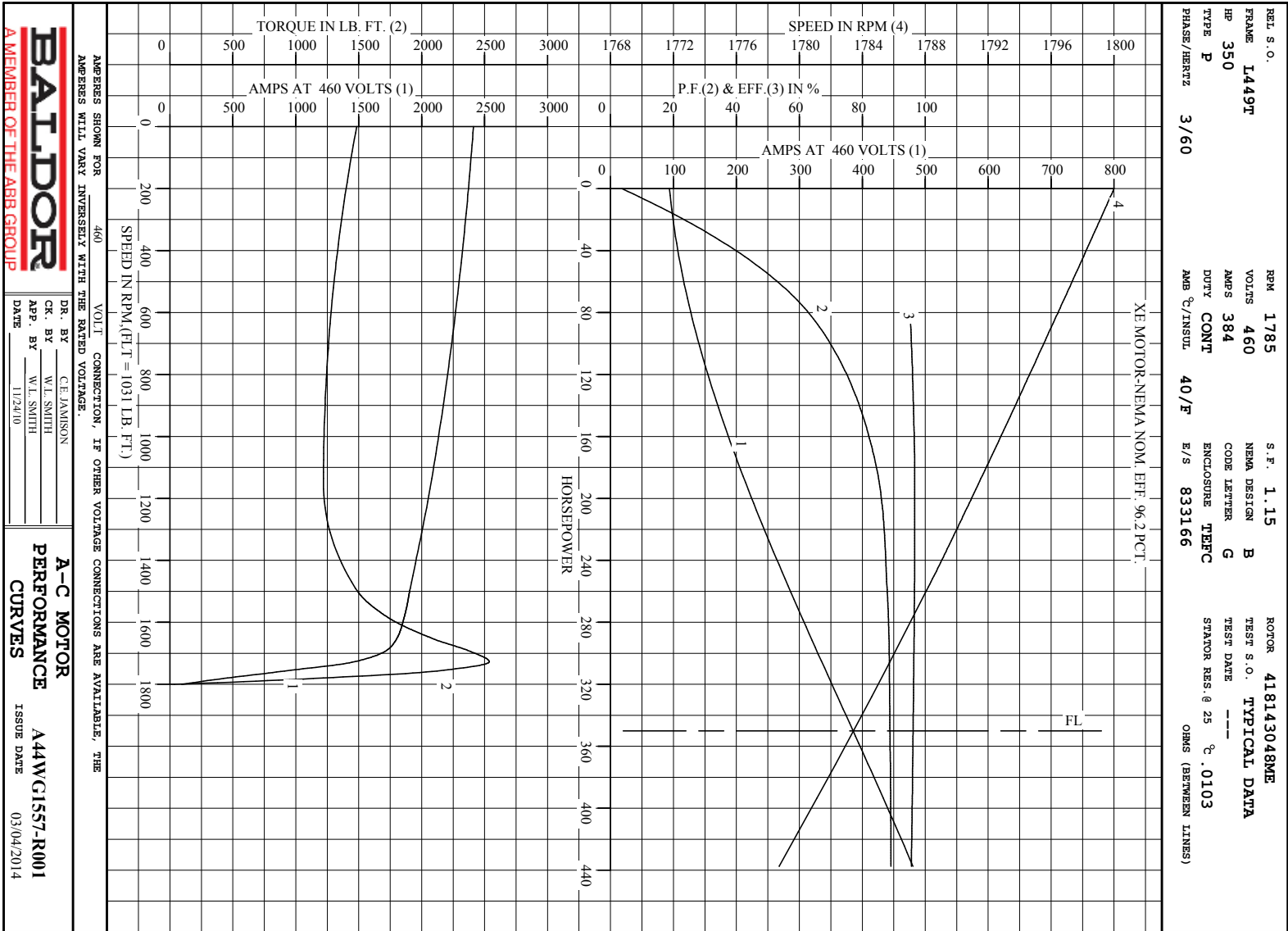


REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	L449T	350	P	3/60	1785	460
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
384	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
833166	418143048ME	---	---	.0103		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	94.2	1800	3.62	0	
1/4	87.6	131	1796	65.8	95.4	
2/4	175	202	1792	84.0	96.6	
3/4	262	289	1788	88.0	96.6	
4/4	350	384	1784	88.8	96.2	
5/4	438	481	1779	89.1	95.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	144	1484	2411		
PULL UP	1150	118	1220	2075		
BREAKDOWN	1728	246	2537	1464		
FULL LOAD	1784	100	1031	384		

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. 96.2 PCT.

BALDOR A MEMBER OF THE ABB GROUP	DR. BY C.E. JAMISON	A-C MOTOR PERFORMANCE DATA A44WG1557-R001 ISSUE DATE 03/04/20
	CK. BY W.L. SMITH	
	APP. BY W.L. SMITH DATE 11/24/10	



DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

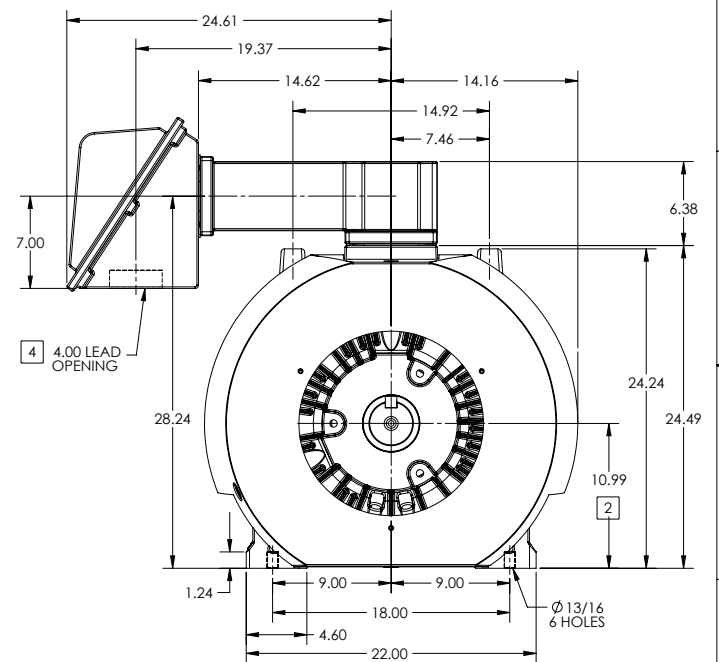
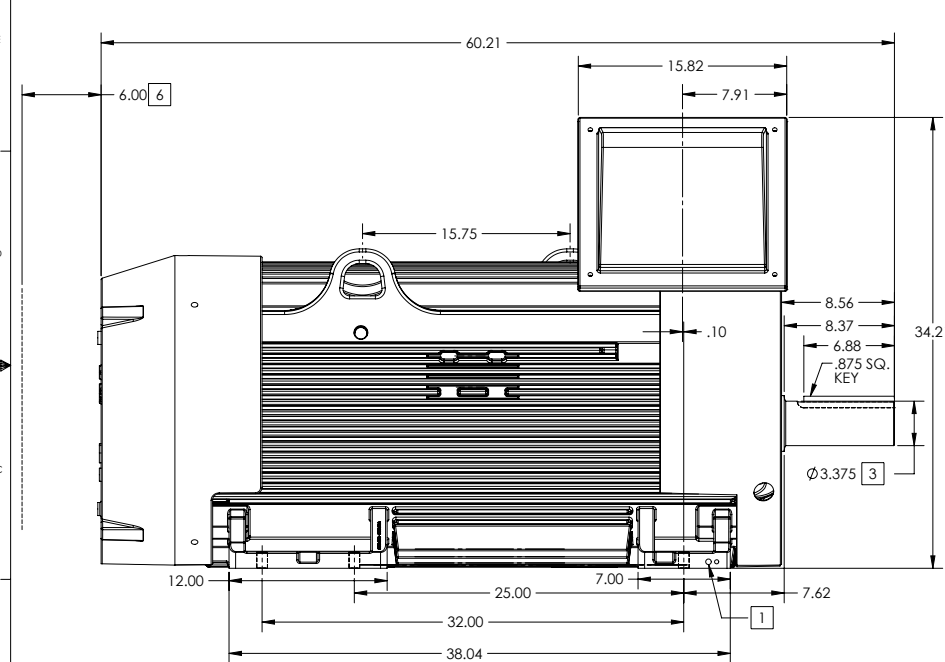
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES G449T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.00,-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .003" T.I.R. TO 5 INCH DIA.

WEIGHT (LBS): 3875

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES; SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV.	DESC.	ADD	DRIVE END AIR DEFLECTOR	NOTE
REV: A	VERSION: 01	REVISED: 08-26-34 03/30/2011	TDR: 00000588597	
MODEL NO. 617423-006			REF:	
BY: MGH/TL		Material:		

BALDOR

DIM SHEET GL449T-449T FOOT MOUNTED HORIZONTAL

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

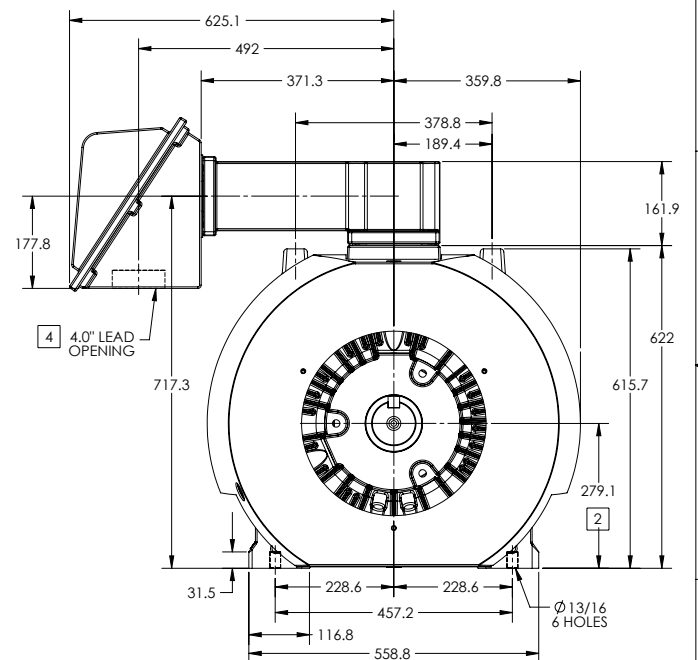
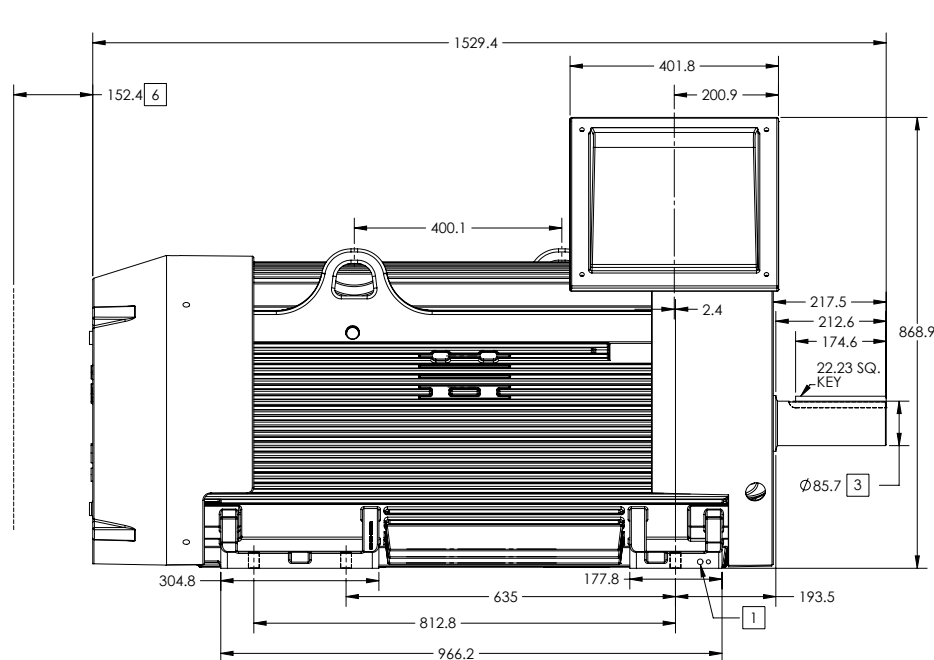
ENCLOSURE: TOTALLY ENCLOSED

FRAME GL449T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES G449T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.00,-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NO ENCROACH ON AIR INLET

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .08 MM T.I.R. TO 127 MM DIA.

WEIGHT (KGS): 1760

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

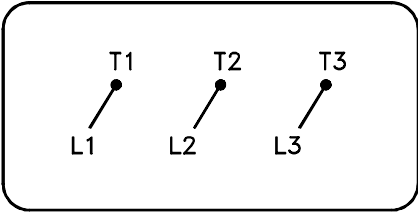
REV.	DESC.	ADD	"DRIVE END AIR DEFLECTOR."	NOTE
REV: A	VERSION: 01	REVISED: 08-46-34 03/30/2011	TDR: 00000588597	
MODEL NO. 617423-006			REF:	
BY: MGH/TL		Material:		

BALDOR

DIM SHEET GL449T-449T FOOT MOUNTED HORIZONTAL

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 CONN DIAG – STANDARD 3 LEAD SH 1 of 1
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: –		BY: RAGRA	

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>