

BALDOR® • RELIANCE

Product Information Packet

ECP84416T-4

200HP,3570RPM,3PH,60HZ,447TS,A44104M,TEF

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A44104M	Elec. Spec:	A44WG1504	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617427-065
Frame:	447TS	Mounting:	F1	Poles:	02	Created Date:	08-20-2012
Base:		Rotation:	PS	Insulation:	F	Eff. Date:	10-27-2014
Leads:	3#1 (02 per group)					Replaced By:	
Literature:		Elec. Diagram:					

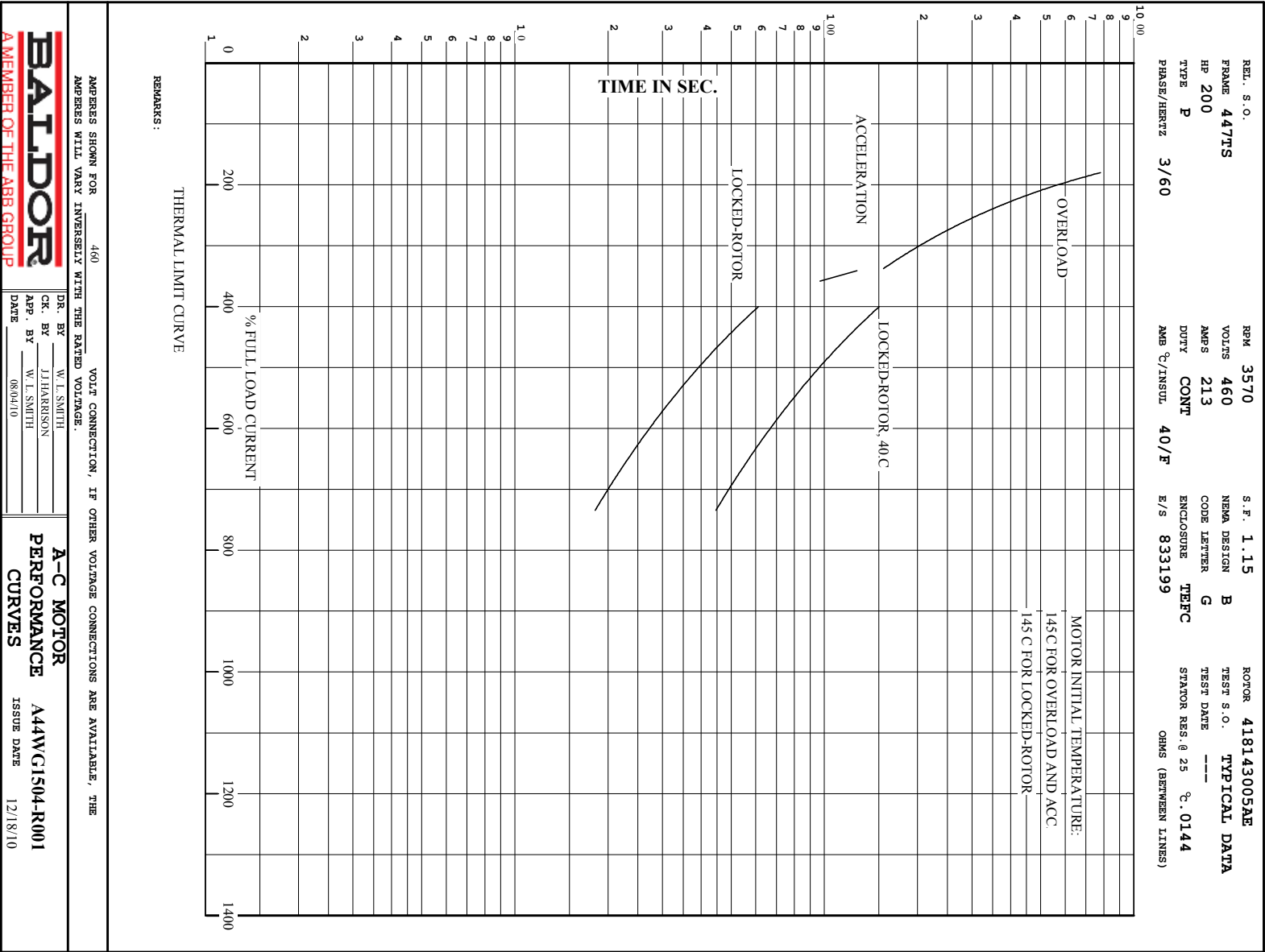
Nameplate NP3237									
CAT NO	ECP84416T-4	SPEC NO.	P44G3973						
HP	200	AMPS	213	VOLTS	460	DESIGN	B		
FRAME SIZE	447TS	RPM	3570	HZ	60	AMB	40	SF	1.15
D.E. BRG.DATA	6313	O.D.E. BRG.DATA	6313	PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC	CODE	G		
O.D.E. BRG.	65BC03J30X	POWER FACTOR	91	NEMA-NOM-EFFICIENCY	96.2				
3/4 LOAD EFF.	96.3	MAX CORR KVAR	21.0	GUARANTEED EFFICIENCY	95.8				
TEMP CODE	T3	TEMP =	200						
CHP HZ	60-90	CT HZ	30-60	VT HZ	0-60				
INVERTER-TEMP-CODE	T3								
SER.NO.		MOTOR WEIGHT	2433						

Nameplate 000613007EX					
CAT NO	ECP84416T-4	SPEC NO.	P44G3973		
NO. ROTOR BARS	40	GREASE TYPE	POLYREX EM		
NO. SLOTS	48	IEEE 85 NOISE LEVEL	78DBA		
5 YEAR WARRANTY		MFG. DATE			
NL AMPS AT RATED VOLTAGE	41.6	WINDING RES @25 C	.01446	OHMS	
SER.NO					

Parts List		
Part Number	Description	Quantity
SA249741	SA P44G3973	1.000 EA
RA236601	RA P44G3973	1.000 EA
613-6PU	N/P UL CSA LABLE	1.000 EA
NP3237	SS SUPER E INVERTER DUTY IEEE 841	1.000 EA
000613007EX	N/P BALDOR	1.000 EA
000692000FF	N/P (RELEASE QTY 1,000)	1.000 EA
000692000JP	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000692000VH	N/P	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	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
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089490097C	BRKT,DE	1.000 EA
412118006A	DRAIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
089490097C	BRKT,DE	1.000 EA
412118006A	DRAIN	1.000 EA
083199082RA	G28 FAN COVER W/BAFFLE ASSY 83199-82A	1.000 EA
410700004F	WSHR	1.000 EA
415028021E	SEAL	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
702675001D	FAN 250-440	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034530056AB	1/8 X 7 PP NIPPLE	1.000 EA
415915007K	GASK, 26" LAC	1.000 EA
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034630002AB	CPLG 1/4" PLATED	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
415028021E	SEAL	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
702623012A	THERMAL BARRIER, G28	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
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
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
034180024HA	KEY 5/8X5/8X3 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
MG1500G03	PRIMER- S4318E GEMINI 5 GA, HC9068	0.094 GA
421948051	LABEL, MYLAR	1.000 EA
PK5006A01	WOOD BASE 447 60 X 41-1/2 BLT 20 X 18	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA

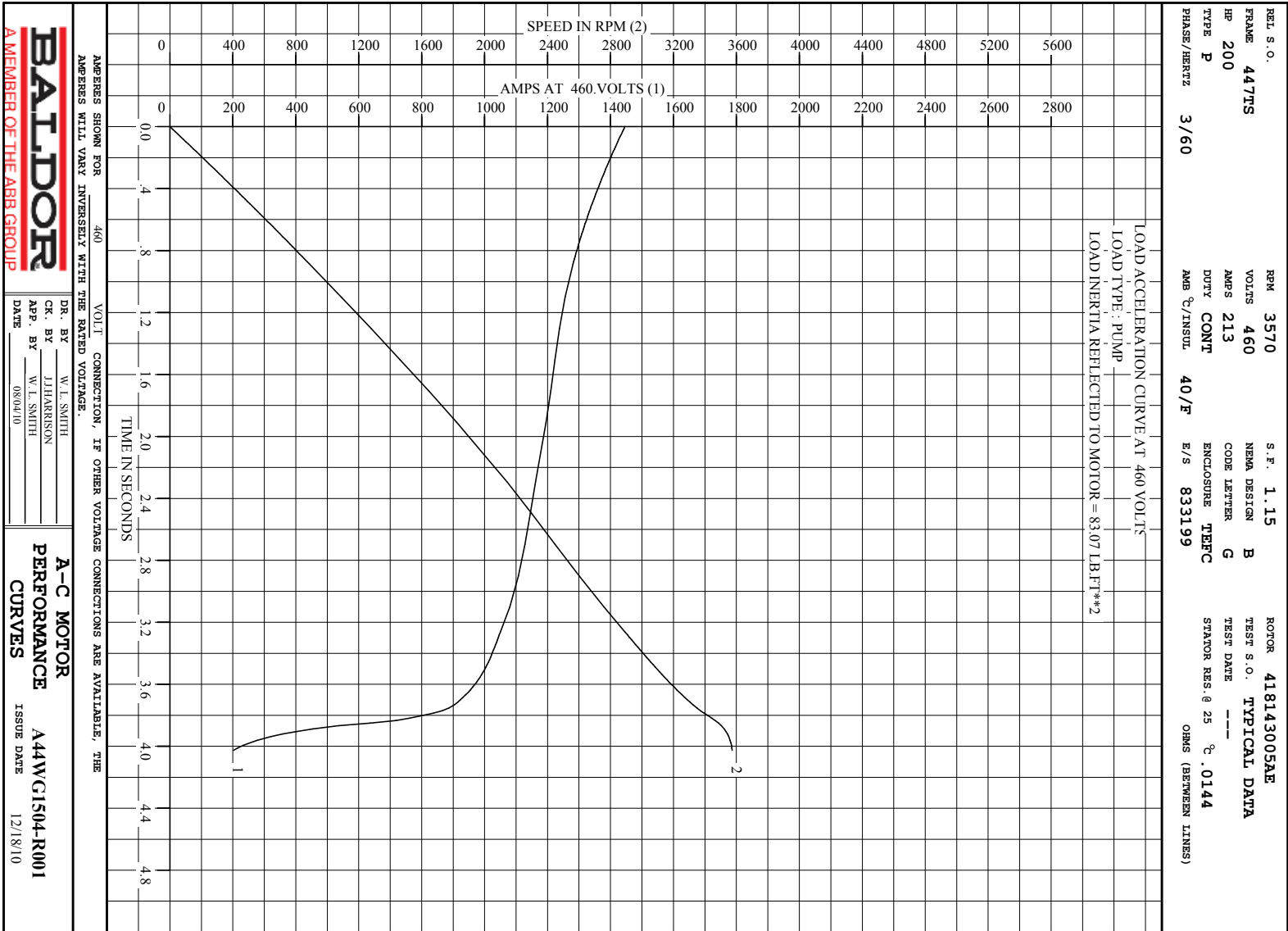


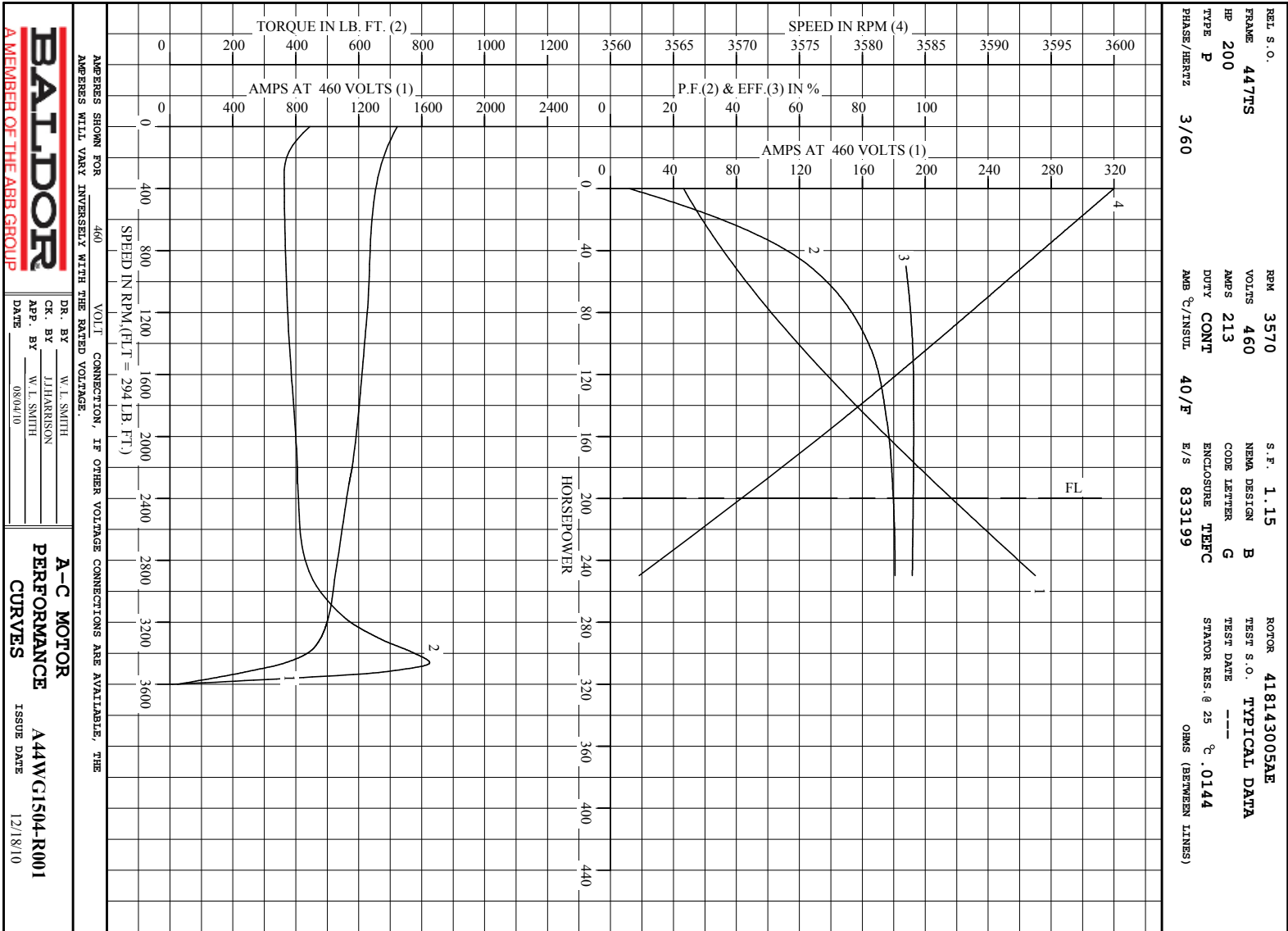
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TS	200	P	3/60	3570	460
AMPS	DUTY	AMB ³ C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
213	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833199	418143005AE	---	---	.0144		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	46.4	3600	5.92	0	
1/4	50.0	78.9	3593	63.2	93.9	
2/4	100	119	3586	82.0	96.0	
3/4	150	166	3578	87.8	96.3	
4/4	200	216	3571	89.8	96.2	
5/4	250	270	3562	90.4	95.9	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	151	444	1446		
PULL UP	288	124	363	1331		
BREAKDOWN	3462	281	825	730		
FULL LOAD	3571	100	294	216		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: TYPICAL DATA						

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY W. L. SMITH
CK. BY J. J. HARRISON
APP. BY W. L. SMITH
DATE 08/04/10

A-C MOTOR
PERFORMANCE DATA
A44WG1504-R001
ISSUE DATE 12/18/10





DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

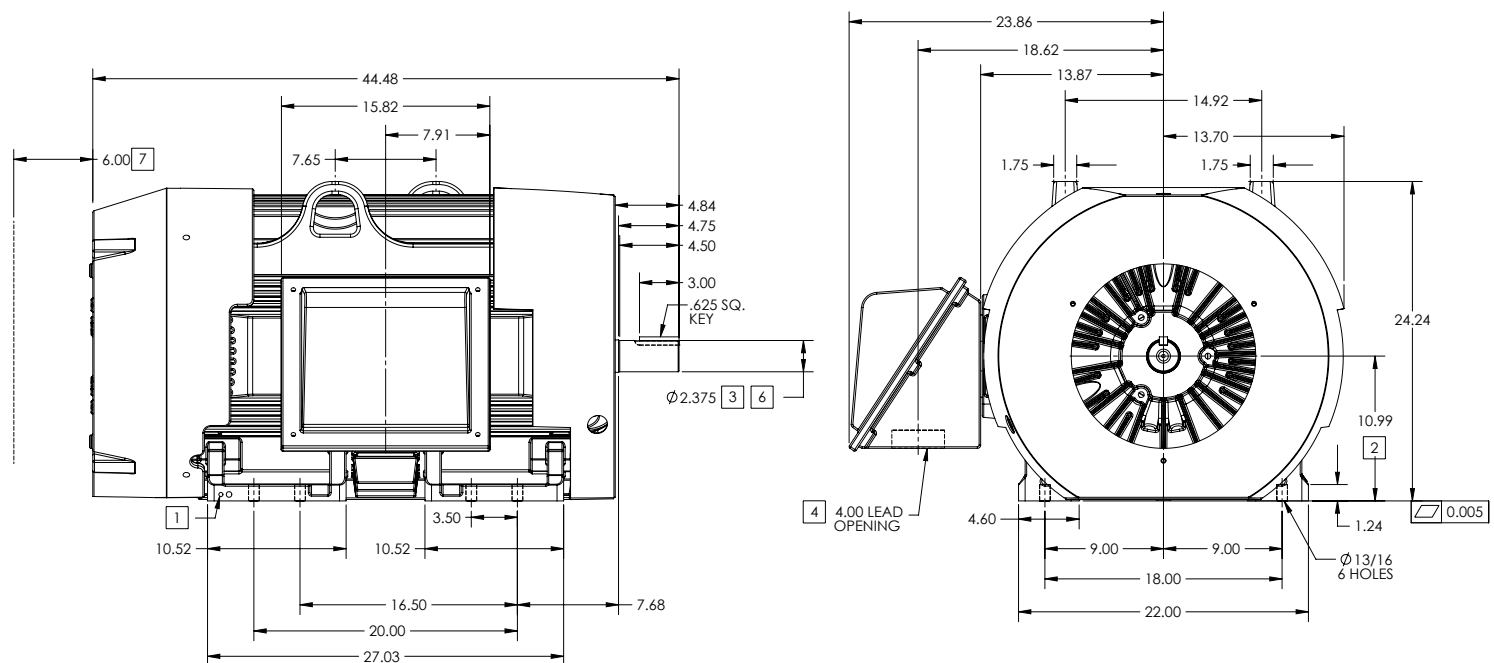
FRAME G447TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445TS FRAME MOUNTING HOLES

841XL ENCLOSURE ENHANCEMENT



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 15% DEPENDING ON RATING.
6. SHAFT TIR = 0.0015 IN FOR BALL BEARING MOTORS AND 0.002 IN FOR ROLLER BEARING CONSTRUCTION
7. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[5] WEIGHT (LBS): 2480

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.

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.

SHEET NUMBER
1 OF 2

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL..."
REV: A VERSION: 01 REVISED: 09-37-02 02/18/2013 TDR: 000000786306
MODEL NO. 617427-065
BY: MGHWC Material:

BALDOR
G447TS-445TS STD - FOOTED - SIDE/CENTER CB - 841XL

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

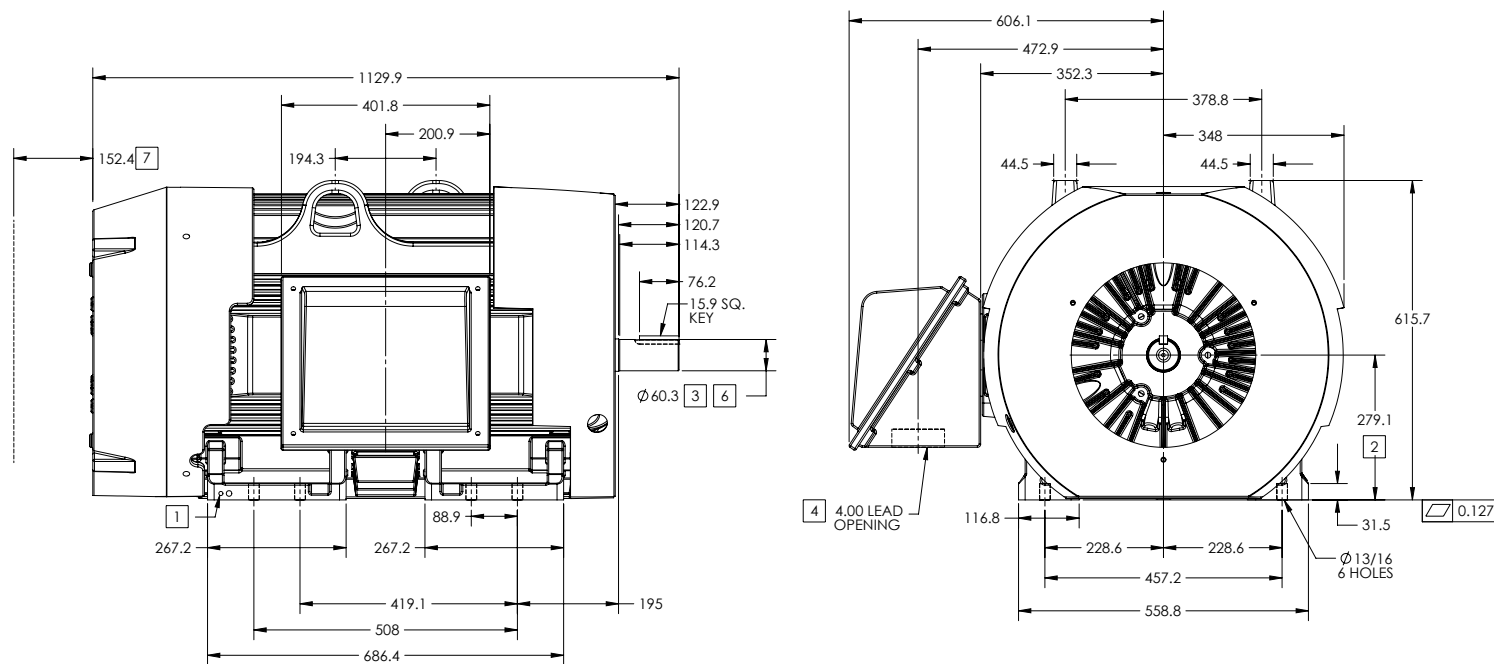
FRAME G447TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445TS FRAME MOUNTING HOLES

841XL ENCLOSURE ENHANCEMENT



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 15% DEPENDING ON RATING.
6. SHAFT TIR = 0.038MM FOR BALL BEARING MOTORS AND 0.051 MM FOR ROLLER BEARING CONSTRUCTION
7. OBSTRUCTION MUST NOT ENCOACH 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.

5 WEIGHT (KGS): 1125

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.

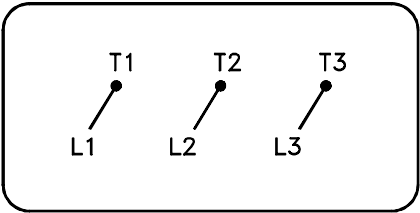
REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED" WAS "UL..."			
REV: A	VERSION: 01	REVISED: 09-37:02 02/18/2013	TDR: 000000786306
MODEL NO. 617427-065			REF:
BY: MGHWC		Material:	

BALDOR

G447TS/445TS STD - FOOTED - SIDE/CENTER C/B - 841X1

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	

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