



Product Information Packet

ECP844156T-4

150HP,1190RPM,3PH,60HZ,447T,A44120M,TEFC

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG1496	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	617427-062	Poles:	06	Created Date:	08-20-2012
Base:		Eff. Date:	10-16-2017	Leads:	3#1/0		

Specs			
Catalog Number:	ECP844156T-4	Feedback Device:	NO FEEDBACK
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	447T	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	150.000 HP @ 60 HZ	KVA Code:	F
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 1/0 AWG
XP Class and Group:	CLI GP A,B,C,D	Motor Type:	A44120M
XP Division:	Division II	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	86
	CSA EEV	Pulley End Bearing Type:	Ball
	CCSA US	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Phase Seq-Std Rot (CCWODE)
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Constant Torque Speed Range:	15-60	Speed Code:	Single Speed
Current @ Voltage:	170.000 A @ 460.0 V	Motor Standards:	None
Design Code:	B	Starting Method:	Direct on line

Drip Cover:	No Drip Cover	Thermal Device - Bearing:	NONE (OLD)
Duty Rating:	CONT	Thermal Device - Winding:	None
		XP Temp Code:	T3

Nameplate NP3237

CAT NO	ECP844156T-4	SPEC NO.	P44G3970		
HP	150	AMPS	170	VOLTS	460
FRAME SIZE	447T	RPM	1190	HZ	60
D.E. BRG.DATA	6318	O.D.E. BRG.DATA	6318	PH	3
D.E. BRG.	90BC03J30X	TYPE	P	ENCL	TEFC
O.D.E. BRG.	90BC03J30X	CODE	F		
3/4 LOAD EFF.	96.2	IP	56	POWER FACTOR	86
TEMP CODE	T3	TEMP	= 200	MAX CORR KVAR	25.0
CHP HZ	60-90	CT HZ	15-60	VT HZ	0-60
INVERTER-TEMP-CODE	T3				
SER.NO.		MOTOR WEIGHT			
				DESIGN	B
				SF	1.15
				DUTY	CONT
				INSUL.CLASS	F
				NEMA-NOM-EFFICIENCY	95.8
				GUARANTEED EFFICIENCY	95.0

Nameplate 000613007EX			
CAT NO	ECP844156T-4	SPEC NO.	P44G3970
NO. ROTOR BARS	71	GREASE TYPE	POLYREX EM
NO. SLOTS	90	NL AMPS AT RATED VOLTAGE	42.5
5 YEAR WARRANTY		WINDING RES @25 C	.03239
MFG. DATE		SER.NO	

Parts List		
Part Number	Description	Quantity
SA249738	SA P44G3970	1.000 EA
RA236598	RA P44G3970	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
NP3237	SS SUPER E INVERTER DUTY IEEE 841	1.000 EA
000613007EX	SS IEEE 841 EMBOSSED AUXILIARY NAMEPLATE	1.000 EA
000692000FF	N/P	1.000 EA
000692000JP	N/P	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
032620016LA	SOCKET SET SCREW-449	3.000 EA
034017014AB	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
089490099D	G28 BRKT 089490098WCA	1.000 EA
078549001DA	FAN 400 078549001F	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
089490099D	G28 BRKT 089490098WCA	1.000 EA
410700004A	WSHR	1.000 EA
415028021L	SEAL - 449	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011D	WASHER	3.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018030DK	HHCS 1/2-13X3-3/4 PLTD.	3.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA
034530044BB	P/NIP 1/4X5-1/2L PLT	1.000 EA
415915007G	GASK, LAC	1.000 FT
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
415028021L	SEAL - 449	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151014G	RETAIN RING	1.000 EA
423709011D	WASHER	3.000 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
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA

Product Information Packet: ECP844156T-4 - 150HP,1190RPM,3PH,60HZ,447T,A44120M,TEFC

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
034180054KA	KEY 7/8X7/8X6-3/4 L	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.375 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.094 GA
MG1500G03-5	LACQUER PRIMER, GRAY	0.094 GA
421948051	LABEL, MYLAR	1.000 EA
604797056	WOOD BASE 447 60 X 41-1/2 BLT 20 X 18	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
412118006A	DRAIN	2.000 EA

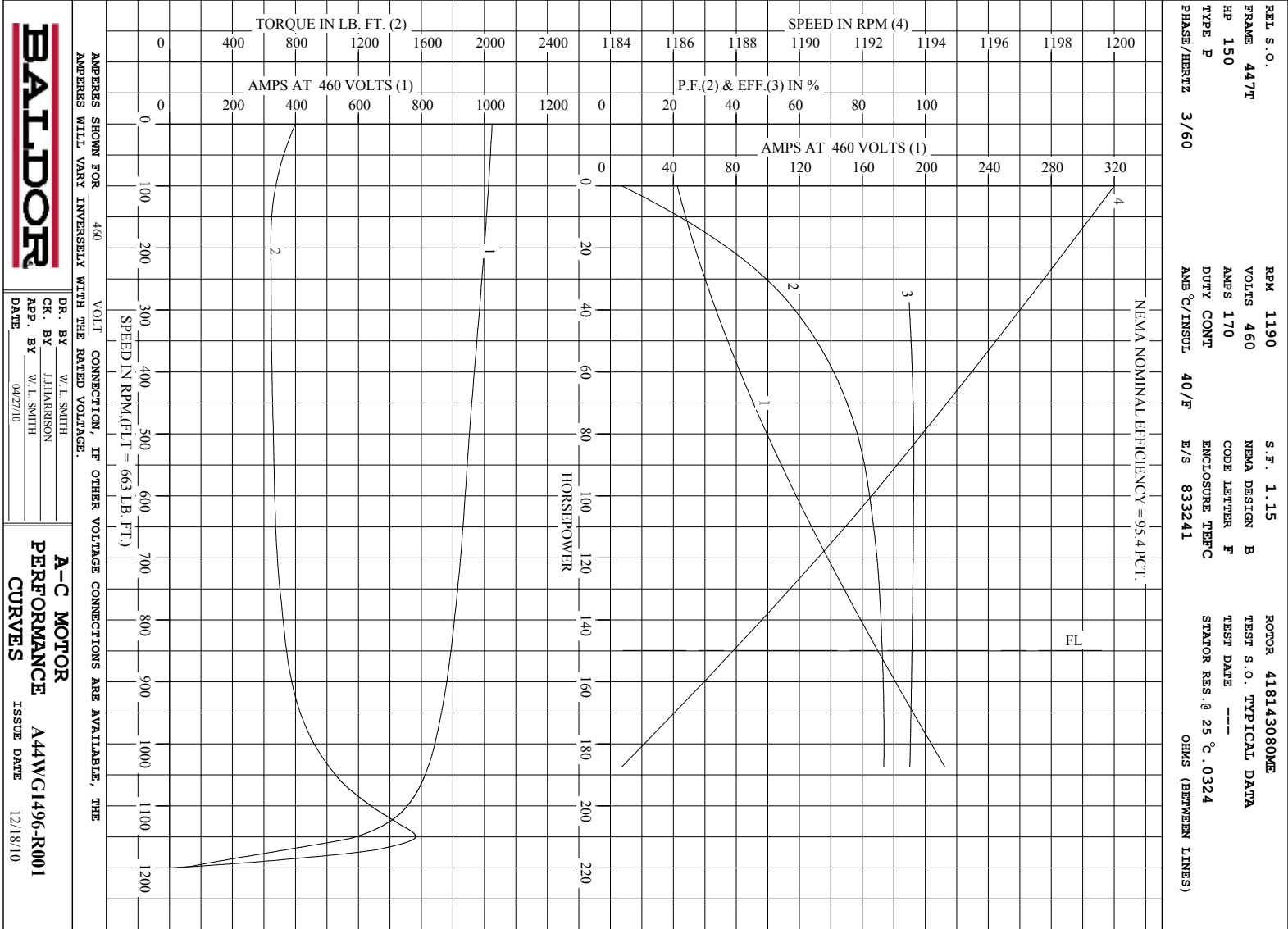
REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	150	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
170	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833241	418143080ME	---	---	.0324		

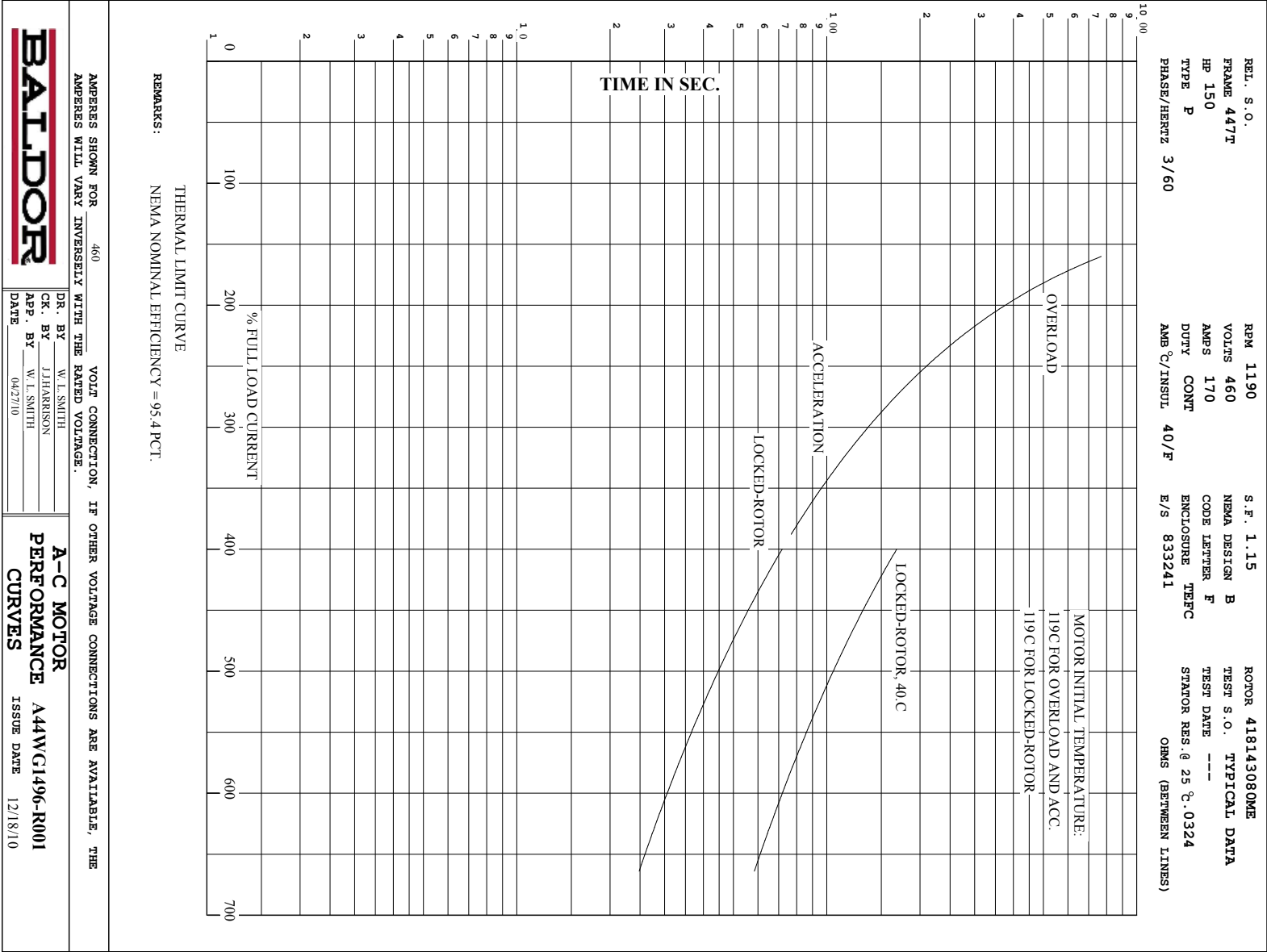
PERFORMANCE					
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	42.5	1200	3.70	0
1/4	37.6	65.5	1197	56.6	94.9
2/4	75.1	94.9	1194	76.9	96.3
3/4	112	130	1191	83.9	96.2
4/4	150	170	1188	86.3	95.8
5/4	188	213	1184	86.8	95.1
SPEED TORQUE					
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0	121	799	1025	
PULL UP	180	97.2	644	1002	
BREAKDOWN	1150	236	1563	592	
FULL LOAD	1188	100	663	170	

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

REMARKS: TYPICAL DATA
NEMA NOMINAL EFFICIENCY = 95.4 PCT.

BALDOR		DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 04/27/10	A-C MOTOR PERFORMANCE DATA A44WG1496-R001 ISSUE DATE 12/18/10
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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

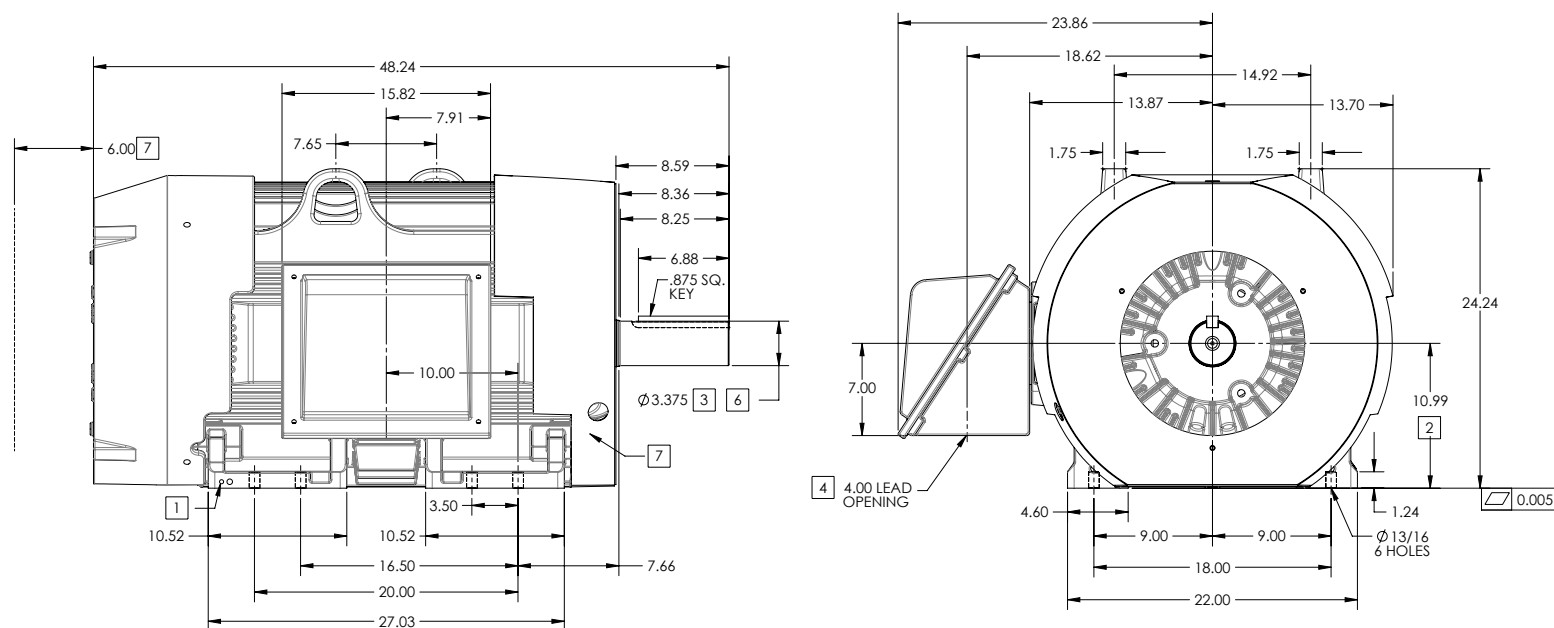
FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T 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 +.000,-.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.
8. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

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 .0015" T.I.R. TO 5 INCH DIA.

[5] WEIGHT (LBS): 2515

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.

SHEET NUMBER
1 OF 2

617427-062

REV. DESC: CHANGE SHAFT RUNOUT TO .0015"	REVISED: 02-29-34 08/17/2016	TDR: 000000993142
REV: B	VERSION: 02	REF:
MODEL NO. 617427-062	BY: RAGISSI	Material:

BALDOR

G447T/445T STD - FOOTED - SIDE/CENTER C/B - 841XL

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

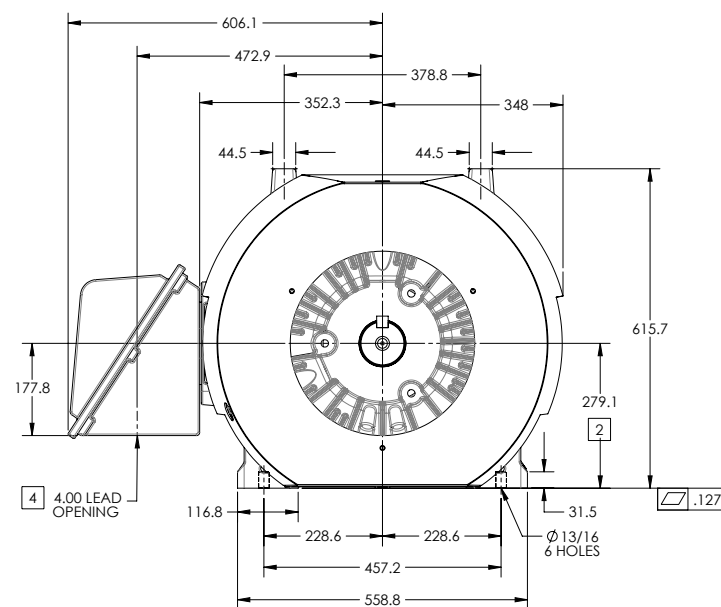
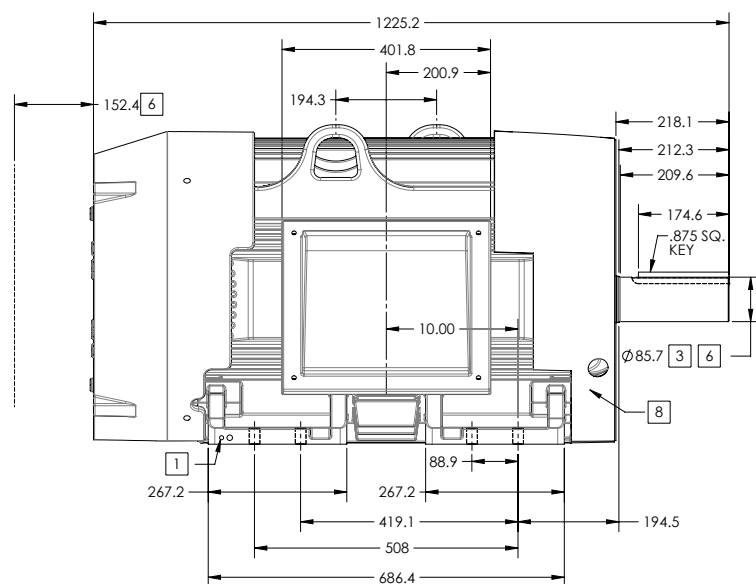
FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T 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 +.000,-.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 ENCRACH ON AIR INLET.
8. AIR DEFLECTOR INSTALLED WHEN REQUIRED.

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 .03 MM T.I.R. TO 127 MM DIA.

5 WEIGHT (KGS): 1140

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.

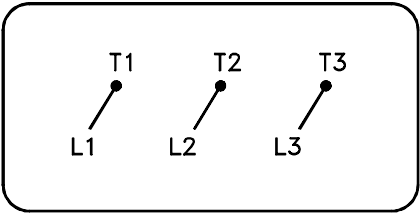
REV. DESC: CHANGE SHAFT RUNOUT TO .0015"			
REV: B	VERSION: 02	REVISED: 02-29-34 08/17/2016	TDR: 000000993142
MODEL NO. 617427-062			REF:
BY: RAGISSI	Material:		

BALDOR

G447T/445T STD - FOOTED - SIDE/CENTER C/B - 841XL

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

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>