



Product Information Packet

ECP4907T-5

200HP,1785RPM,3PH,60HZ,447T,A44120M,TEFC

Part Detail							
Revision:	L	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG1501	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	617423-008	Poles:	04	Created Date:	10-19-2010
Base:		Eff. Date:	09-30-2015	Leads:	3#2/0		

Specs			
Catalog Number:	ECP4907T-5	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	447T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	G
Output @ Frequency:	200.000 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 2/0 AWG
Voltage @ Frequency:	575.0 V @ 60 HZ	Motor Type:	A44120M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	87
Agency Approvals:	CSA EEV	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Base Indicator:	Rigid	Shaft Ground Indicator:	No Shaft Grounding
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Rotation:	Reversible
Current @ Voltage:	178.000 A @ 575.0 V	Shaft Slinger Indicator:	Shaft Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	No Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	None

Thermal Device - Winding:	None
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Nameplate 000613007EW

CAT.NO.				SPEC NO.	P44G5901				
HP	200	AMPS	178	VOLTS	575	DESIGN	B		
FRAME	447T	RPM	1785	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	90BC03J30X		PH	3	DUTY	CONT	INSUL.CLASS	F	
OPP D.E. BEARING	90BC03J30X		TYPE	P	ENCL	TEFC	CODE	G	
D.E.BRG.DATA	6318		POWER FACTOR	87.3		NEMA NOM EFFICIENCY	96.2		
O.D.E.BRG.DATA	6318		MAX CORR KVAR	32		GUARANTEED EFFICIENCY	95.4		
3/4 LOAD EFF.	96.5		NEMA NOM/CSA QUOTED EFF						
SER.NO.				MOTOR WEIGHT	2676				

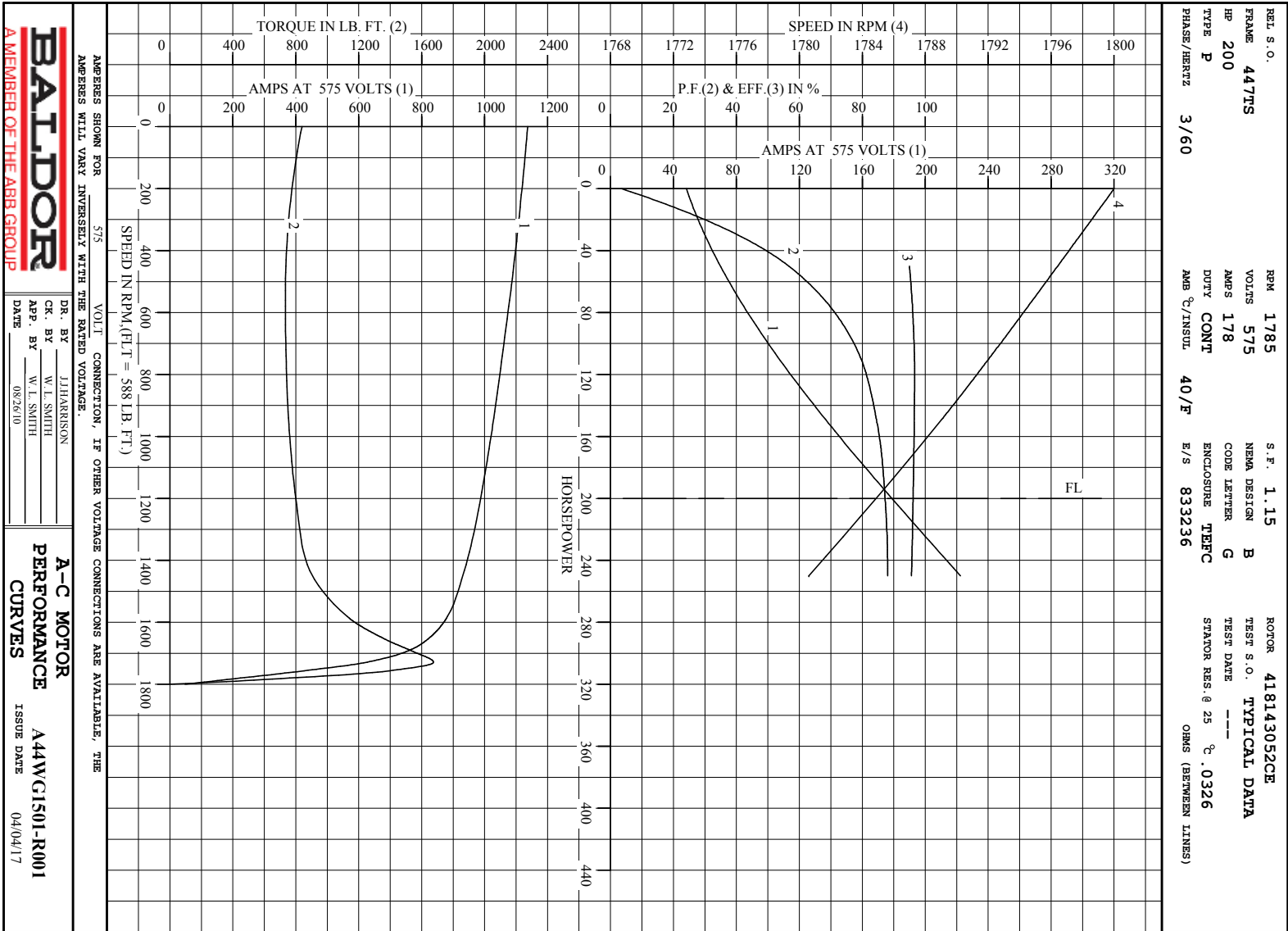
Parts List		
Part Number	Description	Quantity
SA206507	SA P44G5901	1.000 EA
RA193774	RA P44G5901	1.000 EA
000613007EW	N/P BALDOR	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	1.156 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018036DK	HHCS 1/2-13X4-1/2 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
034630002AB	CPLG 1/4" PLATED	1.000 EA
034690002AB	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 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
412118006A	DRAIN	1.000 EA
415045002E	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA

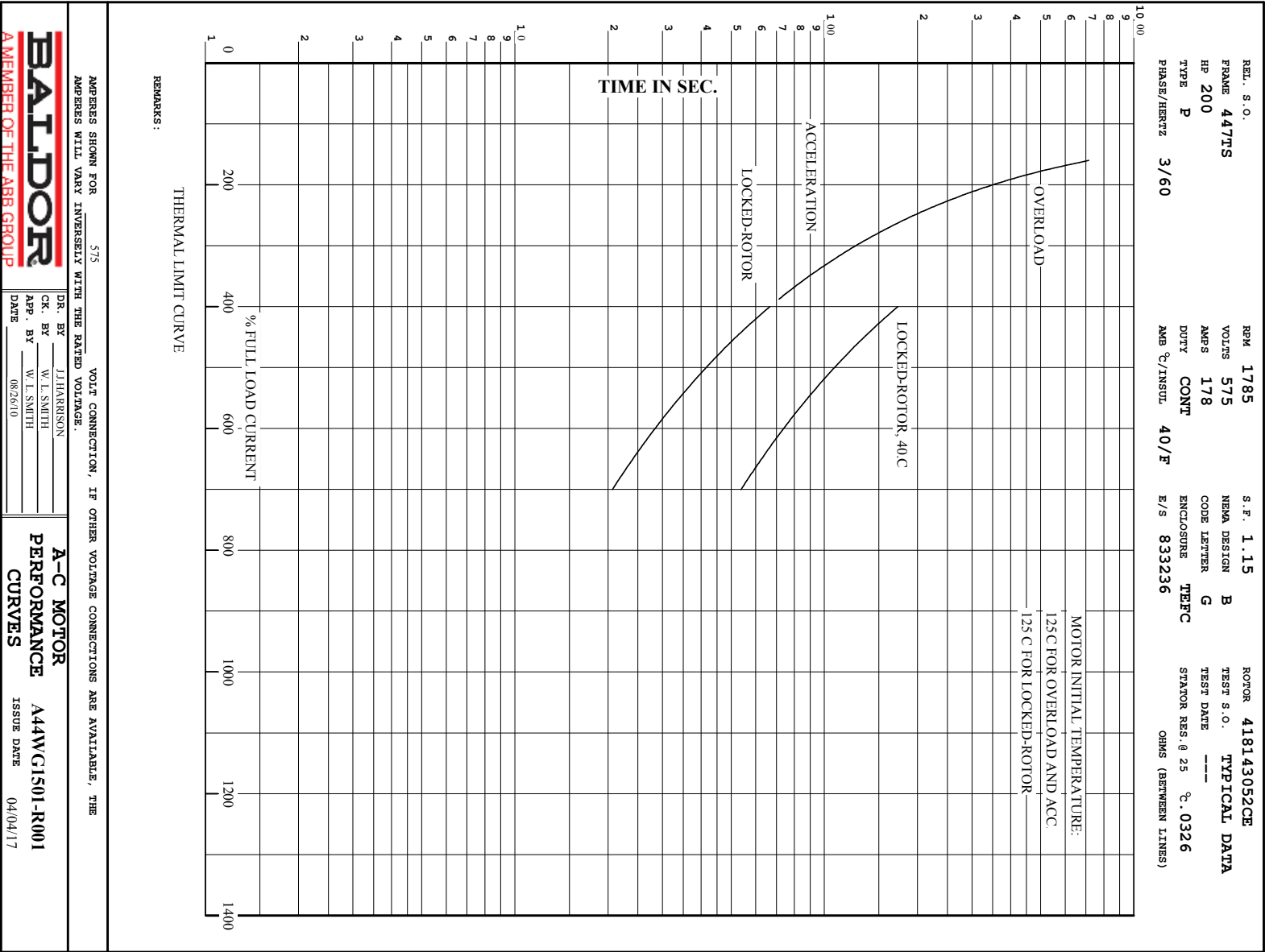
Parts List (continued)		
Part Number	Description	Quantity
415915007G	GASK, LAC	1.000 FT
418151014G	RETAIN RING	1.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
410700004A	WSHR	1.000 EA
415045002A	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018020FK	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
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	PPLG 1/4" PLTD.	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
412118006A	DRAIN	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
032130014DB	SHHCS1/2-13X1-3/4 PLATE	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
034000016AB	WSHR .531ID 1.062OD .095	4.000 EA
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
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
418150003A	GREASE FITTING CAP	1.000 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
L482401016	SPRAY AC-29-7S	0.019 GA
421948051	LABEL, MYLAR	1.000 EA
604797056	WOOD BASE 447 60 X 41-1/2 BLT 20 X 18	1.000 EA
415039027A	GASKET, G28 LEAD THROAT	2.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TS	200	P	3/60	1785	575
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
178	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
833236	418143052CE	---	---	.0326		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	48.3	1800	3.47	0	
1/4	50.0	69.7	1796	56.7	95.0	
2/4	100	100	1793	77.4	96.5	
3/4	150	138	1789	84.6	96.5	
4/4	200	179	1785	87.3	96.2	
5/4	250	222	1781	88.0	95.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	143	839	1137		
PULL UP	540	125	734	1082		
BREAKDOWN	1729	285	1675	623		
FULL LOAD	1785	100	588	179		
AMPERES SHOWN FOR 575. 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 <u>J. J. HARRISON</u> CK. BY <u>W. L. SMITH</u> APP. BY <u>W. L. SMITH</u> DATE <u>08/26/10</u>	A-C MOTOR PERFORMANCE DATA A44WG1501-R001 ISSUE DATE 04/04/17
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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

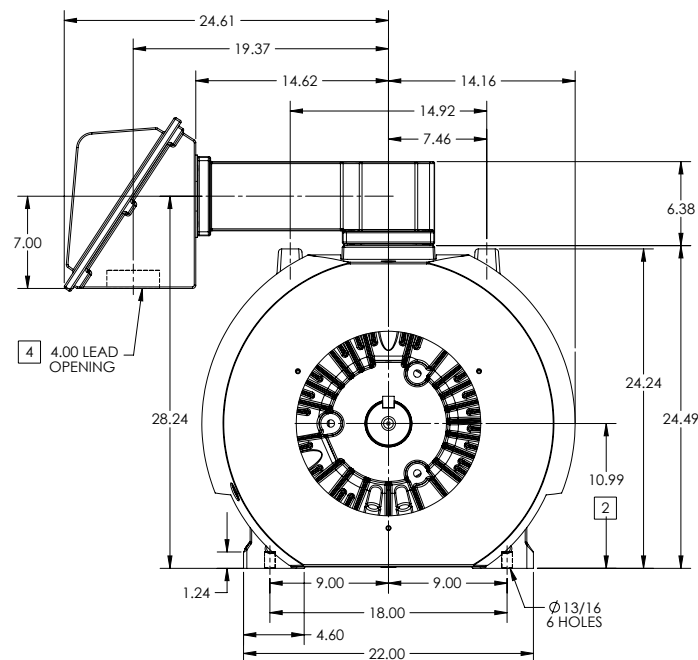
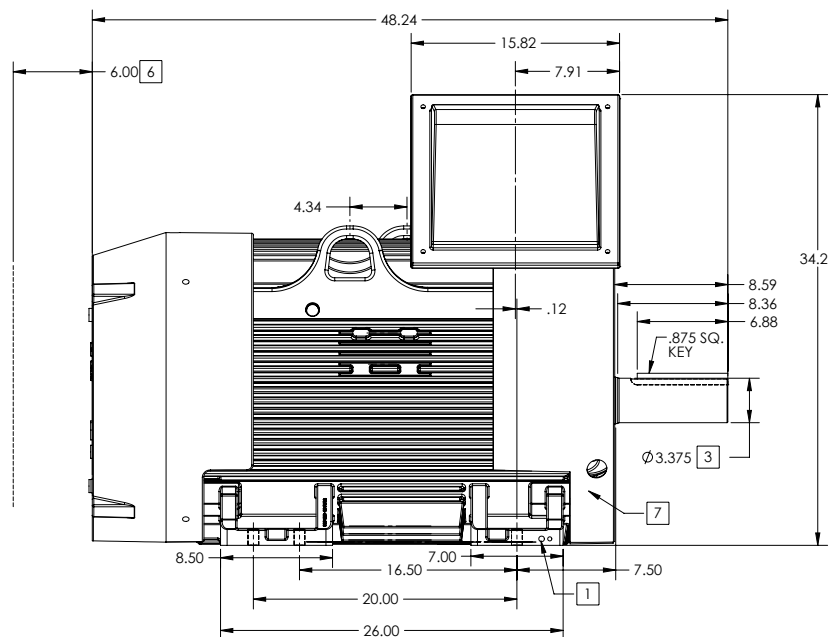
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES



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. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET.
7. 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 .003" T.I.R. TO 5 INCH DIA.

WEIGHT (LBS): 2545

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: B	VERSION: 02	REVISED: 09-02-36 03/30/2011	TDR: 00000588597	
MODEL NO. 617423-008			REF:	
BY: MGH/TL		Material:		

BALDOR

DIM SHEET G447T/G445T

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

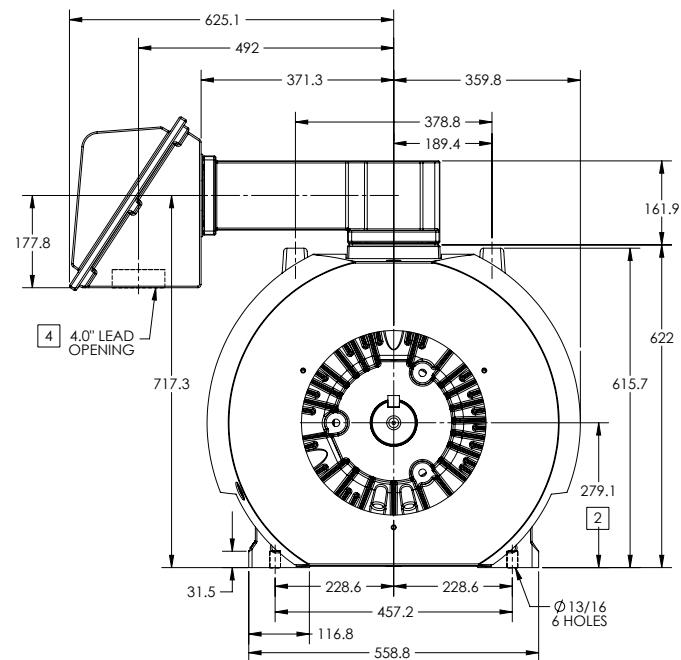
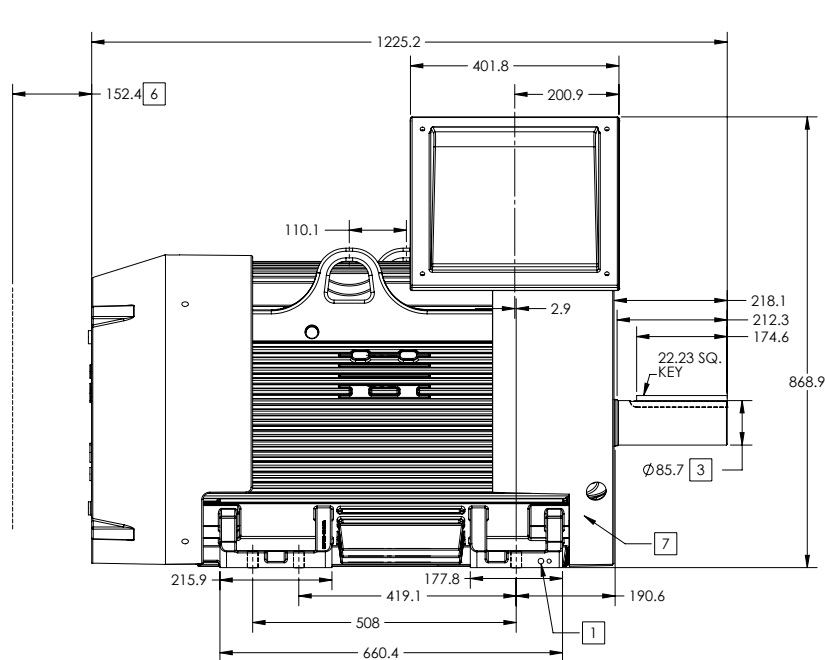
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445T FRAME MOUNTING HOLES



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. OBSTRUCTION MUST NO ENCROACH ON AIR INLET.
7. 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 .08 MM T.I.R. TO 127 MM DIA.

WEIGHT (KGS): 1155

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: B	VERSION: 02	REVISED: 09-02-36 03/30/2011	TDR: 00000588597	
MODEL NO. 617423-008			REF:	
BY: MGH/LC		Material:		

BALDOR

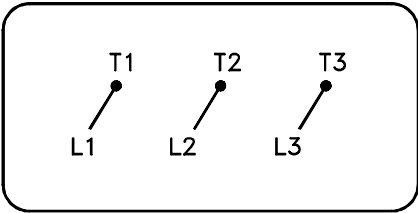
DIM SHEET G447T/G445T

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>