



Product Information Packet

ECP84912T-4

125HP,3570RPM,3PH,60HZ,444TS,A4468M,TEFC

Part Detail							
Revision:	U	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG3534	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	617423-070	Poles:	02	Created Date:	03-18-2011
Base:		Eff. Date:	01-30-2018	Leads:	3#2 (02 per group)		

Specs			
Catalog Number:	ECP84912T-4	Heater Indicator:	No Heater
Enclosure:	TEFC	Insulation Class:	F
Frame:	444TS	Inverter Code:	Not Inverter
Frame Material:	Iron	KVA Code:	F
Output @ Frequency:	125.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 2 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Type:	A4468M
XP Class and Group:	CLI GP A,B,C,D	Mounting Arrangement:	F1
XP Division:	Division II	Power Factor:	89
Agency Approvals:	UR	Pulley End Bearing Type:	Ball
	CSA EEV	Pulley Face Code:	Standard
	CCSA US	Shaft Ground Indicator:	No Shaft Grounding
Auxillary Box:	No Auxillary Box	Shaft Rotation:	Phase Seq-Std Rot (CCWODE)
Base Indicator:	Rigid	Shaft Slinger Indicator:	Shaft Slinger
Bearing Grease Type:	Polyrex EM (-20F +300F)	Speed Code:	Single Speed
Current @ Voltage:	137.000 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	B	Starting Method:	Direct on line
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None

Duty Rating:	CONT	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	XP Temp Code:	T3

Nameplate 000613007ET

CAT NO		SPEC NO.	P44G3770		
HP	125	AMPS	137	VOLTS	460
FRAME SIZE	444TS	RPM	3570	HZ	60
D.E. BRG.	65BC03J30X	PH	3	DUTY	CONT
O.D.E. BRG.	65BC03J30X	TYPE	P	ENCL	TEFC
D.E.BRG.DATA	6313			CODE	F
O.D.E.BRG.DATA	6313	POWER FACTOR	89		
3/4 LOAD EFF.	94.9	MAX CORR KVAR	18.0		
SER.NO.		NEMA NOM/CSA QUOTED EFF			
		MOTOR WEIGHT			
				DESIGN	B
				SF	1.15
				INSUL.CLASS	F
				NEMA-NOM-EFFICIENCY	95
				GUARANTEED EFFICIENCY	94.1

CAT NO	
NO. ROTOR BARS	40
NO. SLOTS	48
5 YEAR WARRANTY	
MFG. DATE	

SER.NO	
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E	30.4
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C	.03432
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Nameplate 000692000UJ			
TCODE CL.1,ZONE 2,GR MOTOR I.D. NO.	T3	TEMP 200	CL I DIV 2 GR ABCD
	IIAIIIBIIC		
		CL II DIV 2 GR	X X X

Parts List		
Part Number	Description	Quantity
SA222252	SA P44G3770	1.000 EA
RA209382	RA P44G3770	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000613007ET	N/P BALDOR	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
000692000UJ	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000692000VH	N/P (RELEASE 1000 PCS)	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.540 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
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

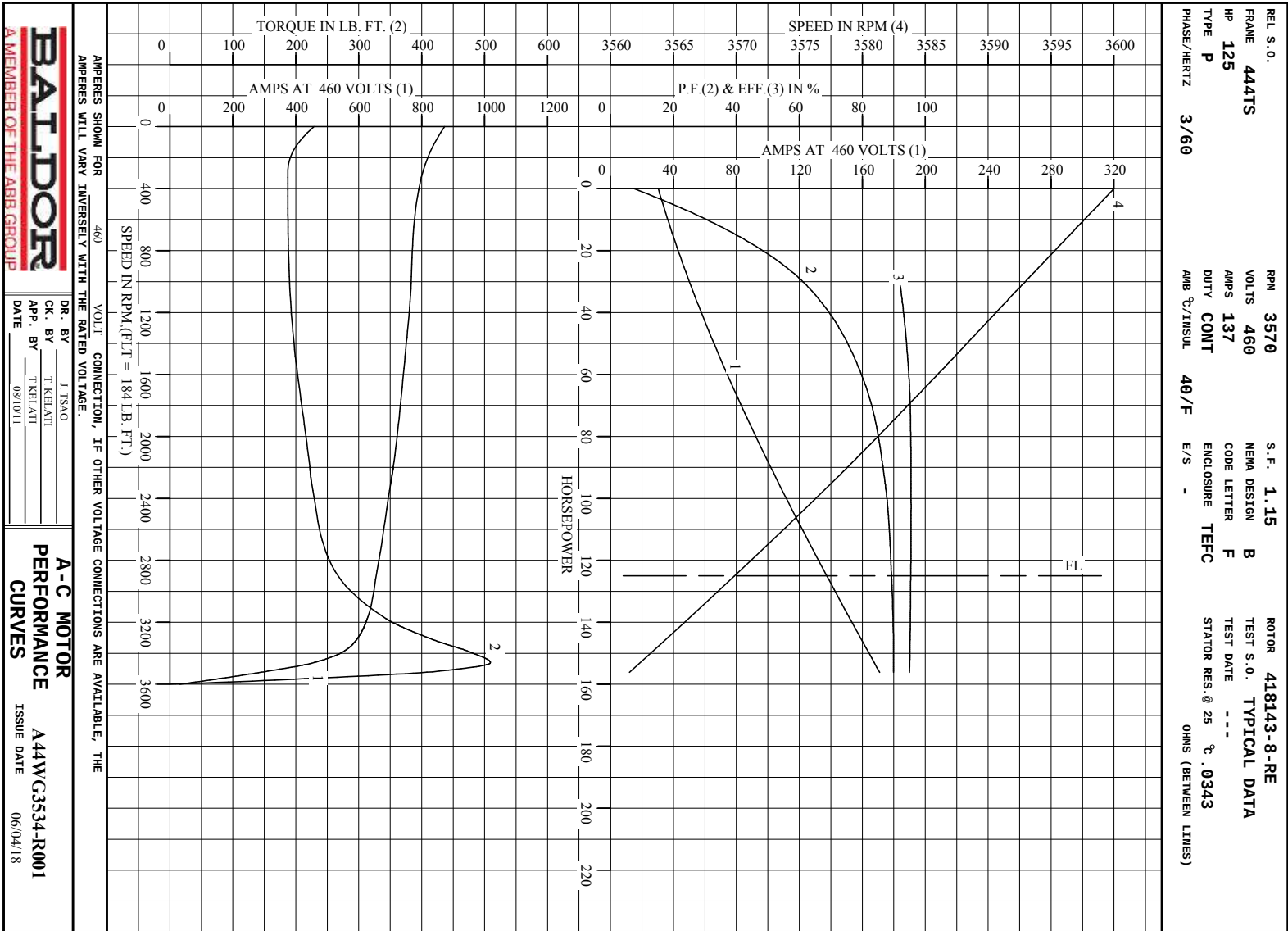
Parts List (continued)		
Part Number	Description	Quantity
089490097C	BRKT,DE	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
089490097C	BRKT,DE	1.000 EA
410700004F	WSHR	1.000 EA
412118006A	DRAIN	1.000 EA
412118006A	DRAIN	1.000 EA
415028021E	SEAL	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA
078546004C	FAN 440 702675001D	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
032018006BK	HHCS 5/16-18X3/4 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
415915007K	GASK, 26" LAC	1.000 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
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

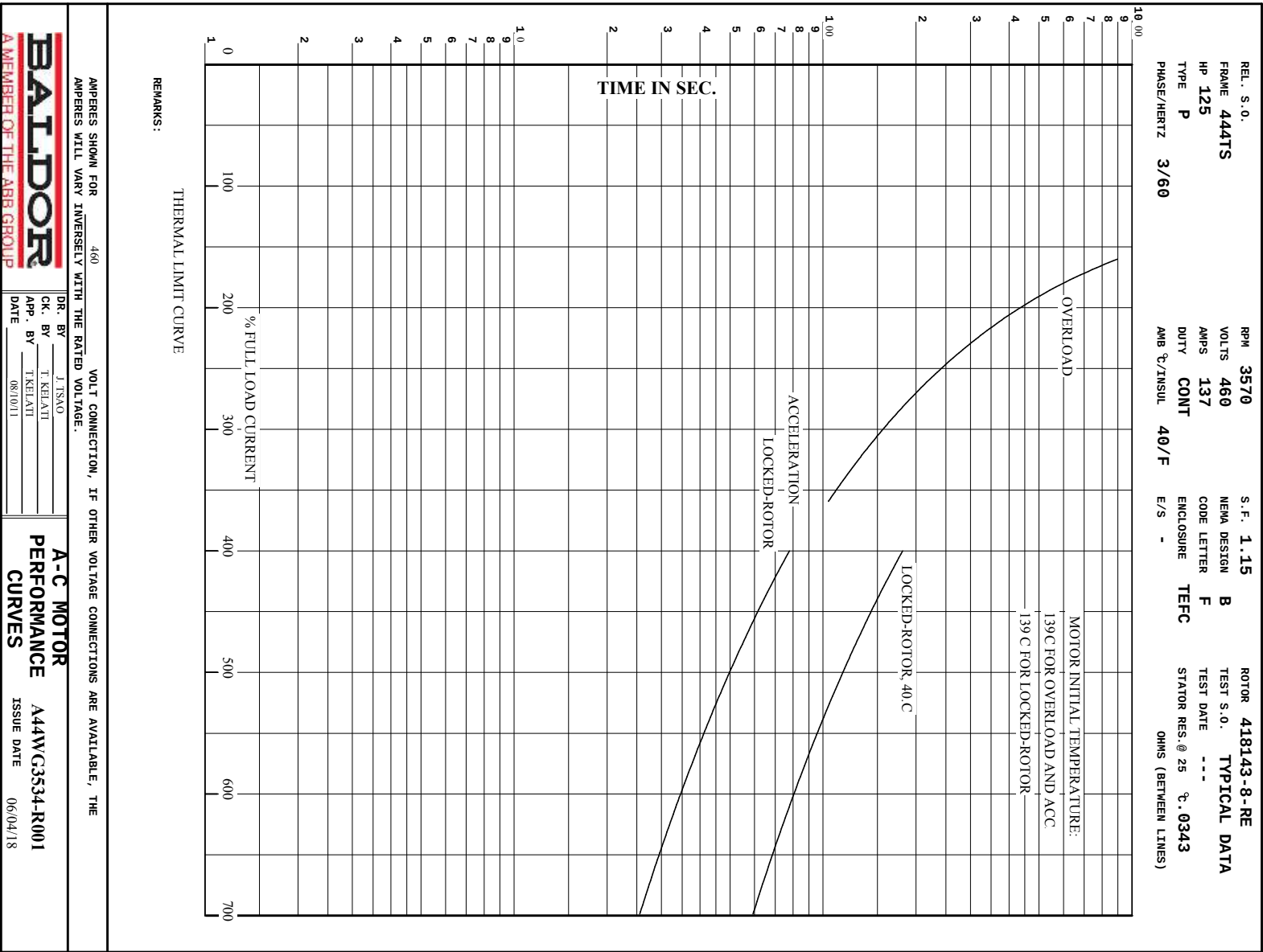
Product Information Packet: ECP84912T-4 - 125HP,3570RPM,3PH,60HZ,444TS,A4468M,TEFC

423709011C	WASHER	3.000 EA
702623012A	THERMAL BARRIER, G28	1.000 EA
032018008BK	HHCS 5/16-18X1L PLATED	4.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
032130014DB	HSHCS1/2-13X1-3/4 PLATE	4.000 EA
033512006LB	HHTTS 1/4-20X3/4 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
067053001C	GASK 440	1.000 EA
076863000C	+CBCST BLKT - 440	1.000 EA
076864000A	CBCST BLKT - 440	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
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180024HA	KEY 5/8X5/8X3 L	1.000 EA
MN416	TAG-INSTAL-MAINT w/wire. (1200/bx) 10/14	1.000 EA
415039027A	GASKET, G28 LEAD THROAT	2.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	444TS	125	P	3/60	3570	460
AMPS	DUTY	AMB ³ C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
137	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143-8-RE	---	---	.0343		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	30.4	3600	7.45	0	
1/4	31.3	51.0	3593	62.3	92.1	
2/4	62.5	76.5	3585	80.7	94.9	
3/4	93.8	106	3578	87.1	95.5	
4/4	125	137	3570	89.3	95.4	
5/4	156	171	3562	89.9	95.0	
SPEED TORQUE						
	RPM	% FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	125	229	873		
PULL UP	288	102	187	804		
BREAKDOWN	3461	277	509	456		
FULL LOAD	3570	100	184	137		
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 J. TSAO	A-C MOTOR PERFORMANCE DATA A44WG3534-R001 ISSUE DATE 06/04/18
	CK. BY T. KELATT APP. BY T. KELATT DATE 08/10/11	





DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

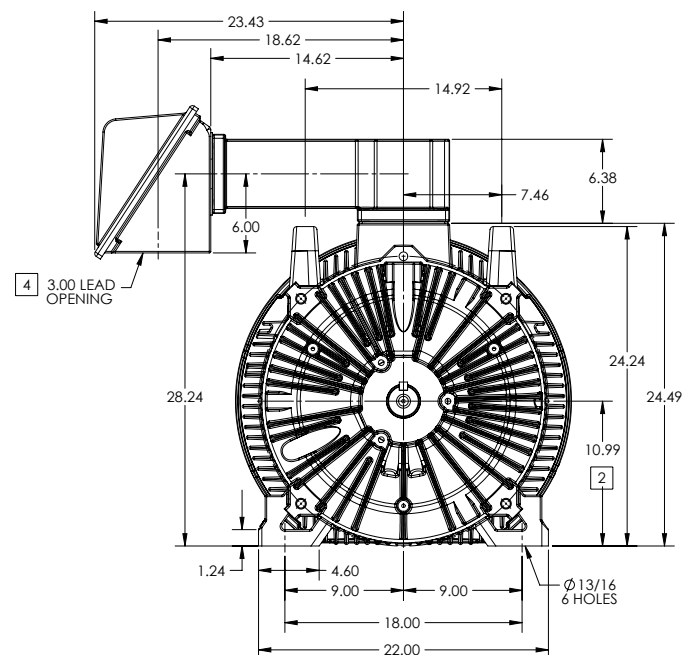
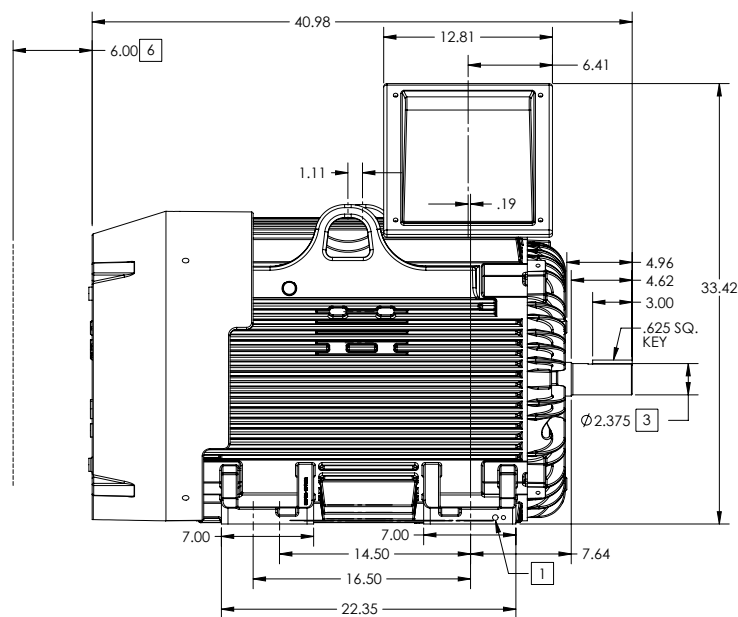
FRAME G445TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444TS FRAME MOUNTING HOLES

841-XL



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 NOT ENCR OACH 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 .0015" T.I.R. FOR BALL BEARING MOTORS
AND .002 T.I.R. FOR ROLLER BEARING MOTORS TO 5 INCH DIA.

WEIGHT (LBS): 2149

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: INITIAL RELEASE	VERSION: 00	REVISED: 10-14-06 05/13/2011	TDR: 000000594808
MODEL NO. 617423-070	BY: MGH/TL	Material:	REF:

BALDOR

DIM SHEET G445TS/G444TS 841-XL W/OUT AIR DEFLECTOR STD C-BOX

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

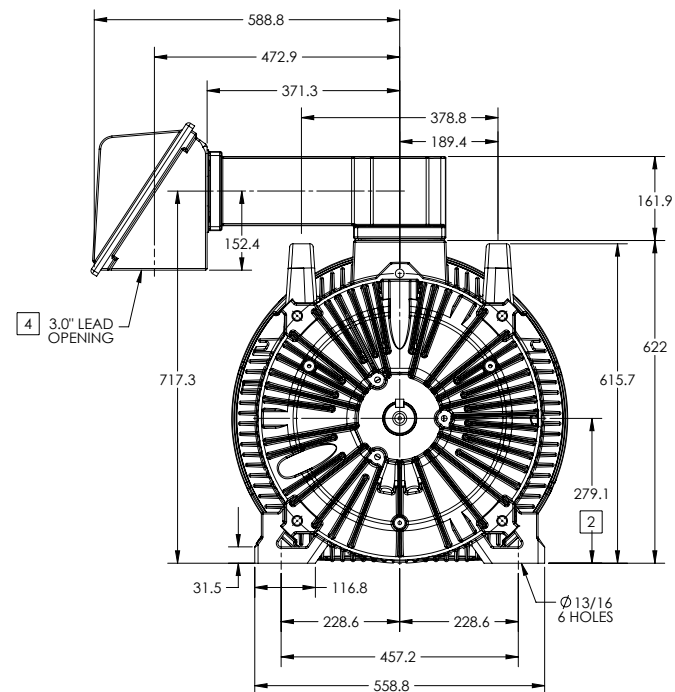
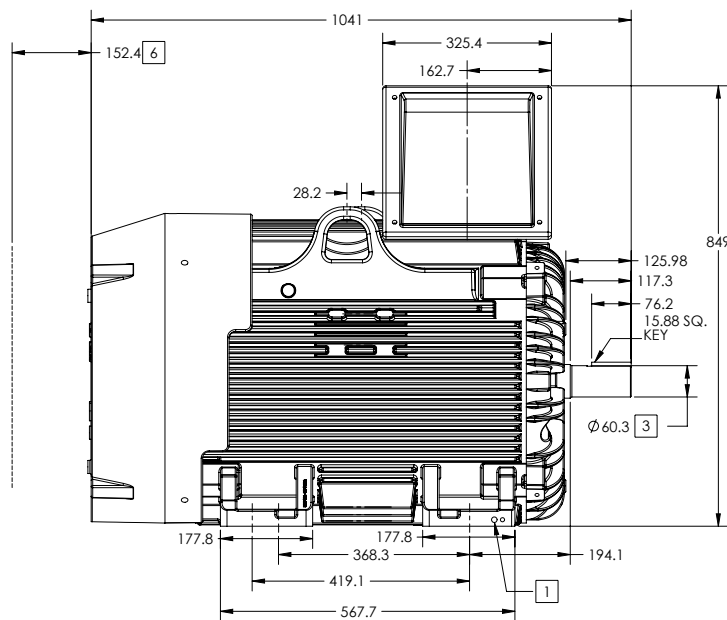
FRAME G445TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444TS FRAME MOUNTING HOLES

841-XL



- GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
- VARIES +.00, -.06
- VARIES +.00, -.001
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- MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
- OBSTRUCTION MUST NOT ENCR OACH 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 .038 MM T.I.R. FOR BALL BEARING
MOTORS AND .051 T.I.R. FOR ROLLER BEARING MOTORS TO 127 MM DIA.

WEIGHT (KGS): 975

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

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

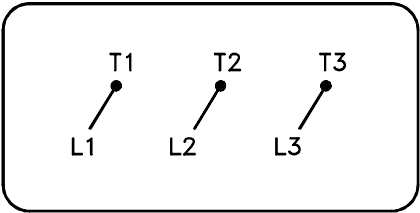
REV. DESC: INITIAL RELEASE			
REV. -	VERSION: 00	REVISED: 10-14-06 05/13/2011	TDR: 000000594808
MODEL NO. 617423-070		REF:	
BY: MGH/TL	Material:		

BALDOR

DIM SHEET G445TS/G444TS 841-XL W/OUT AIR DEFLECTOR STD C-BOX

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/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

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