



Product Information Packet

IDVSM4410T-4

125HP,1790-2685RPM,3PH,60-90HZ,444T,A440

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG0911	CD Diagram:	416820-036	Mfg Plant:	
Mech. Spec:		Layout:	617427-001	Poles:	04	Created Date:	08-23-2012
Base:		Eff. Date:	09-07-2017	Leads:	3#1/0		

Specs			
Catalog Number:	IDVSM4410T-4	Duty Rating:	CONT
Enclosure:	TEFC	Feedback Device:	NO FEEDBACK
Frame:	444T	Heater Indicator:	No Heater
Frame Material:	Iron	Insulation Class:	F
Output @ Frequency:	125.000 HP @ 90 HZ	Inverter Code:	Inverter Duty
	125.000 HP @ 60 HZ	KVA Code:	M
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	3 @ 1/0 AWG
	460.0 V @ 90 HZ	Motor Type:	A44062M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Product Family:	Other
Agency Approvals:	CCSA US	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
Constant Torque Speed Range:	1000:1	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	140.000 A @ 460.0 V	Speed Code:	Single Speed
	150.000 A @ 460.0 V	Motor Standards:	NEMA

Design Code:	A	Starting Method:	Direct on line
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	None
		Thermal Device - Winding:	Normally Closed Thermostat

Nameplate 000613007HV

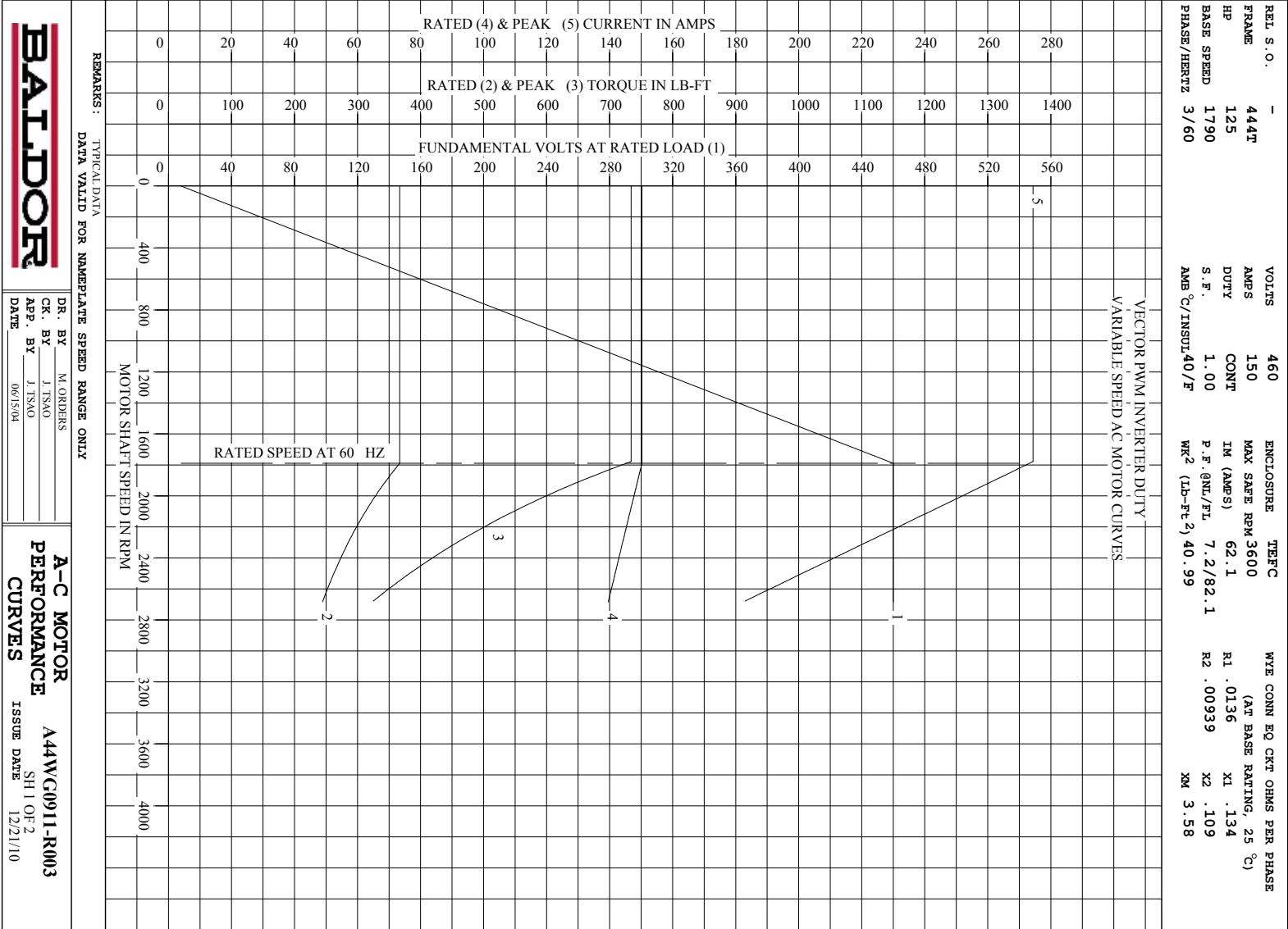
CAT NO	IDVSM4410T-4			SPEC NO.	P44G4008				
SER.NO.				FRAME	444T				
	HP		RPM	VOLTS		AMPS	HZ	TYPE	P
BASE	125	1790	460	150	60	SF 1.00			
MAX	125	2685	460	140	90				
DRIVE END BEARING	90BC03J30X			CONSTANT TORQUE	DUTY	CONT	INSUL.CLASS	F	
OPP D.E. BEARING	6318C3VL0241			1000:1	ENCL	TEFC	PHASE	3	
DESIGN NO.	A44WG0911-R003			FLUX AMPS	62.1		AMB	40	
MAX SPEED/RPM	3600			OVERTEMP PROT	2	WK2	40.0	POLES	4
								WEIGHT	

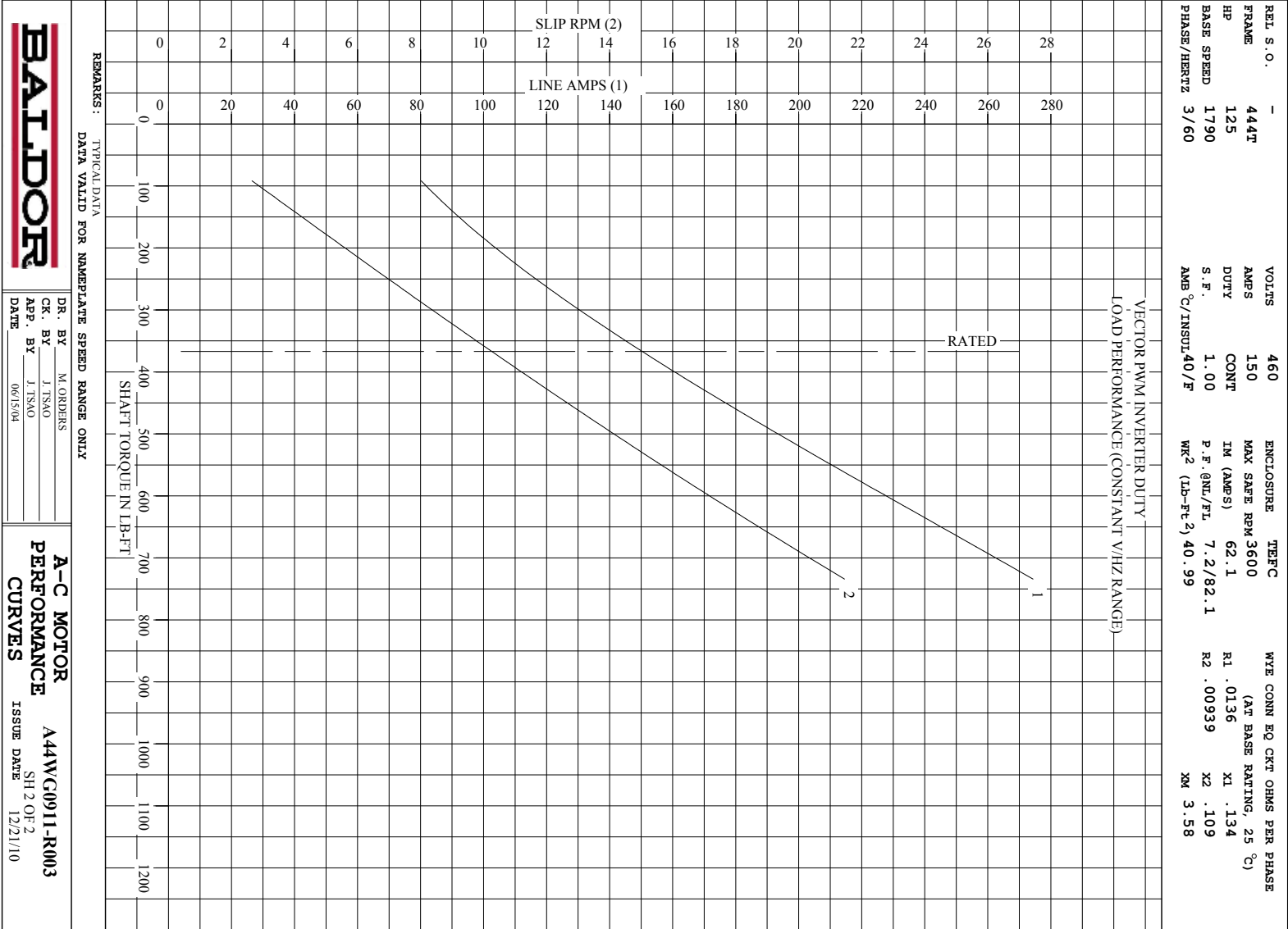
Parts List		
Part Number	Description	Quantity
SA254356	SA P44G4008	1.000 EA
RA241164	RA P44G4008	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000613007HV	N/P BALDOR VSMMASTER	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
415072001B	CLAMP	1.000 EA
083199082RA	G28 SHORT FAN COVER W/BAFFLE ASSEMBLY	1.000 EA
034180014DA	KEY 1/4X1/4X1-3/4 L	1.000 EA
702618004T	FAN KB 182/70 (112) 440	1.000 EA
004824015A	GREASE POLYREX EM	1.160 LB
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	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
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
410700004A	WSHR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034530064AB	P/NIP 1/8 X 8" L Pipe Nipple	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
089490099A	G28 BRKT 089490098WCA KB	1.000 EA
032018020FK	HHCS 3/4-10X2-1/2 PLTD.	4.000 EA
702658001A	CONDUIT BOX, E440	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
702658002A	+C/BOX CVR, PAINTED 440	1.000 EA
415915007G	GASK, LAC	1.000 FT
406056008A	GASKET, TERBD 440	1.000 EA
418153001A	GASK 440	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	4.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	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
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034690001AB	1/8" NPT SQHDPLG	1.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA
034690005AB	PPLG 3/4 PLATED	2.000 EA
418151014G	RETAIN RING	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032620016LA	SOCKET SET SCREW-449	3.000 EA
702623013A	THERMAL BARRIER -- G28 -- BRACKET MTD	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	3.000 EA
034690002AB	PPLG 1/4" PLTD.	1.000 EA
034530044AB	P/NIP 1/8X5-1/2L GALV.	1.000 EA

032620016LA	SOCKET SET SCREW-449	3.000 EA
000692000FF	N/P	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.438 GA

REL. S.O.	-	VOLTS	460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE
FRAME	444T	AMPS	150	MAX SAFE RPM	3600	(AT BASE RATING, 25 °C)
HP	125	DUTY	CONT	IM (AMPS)	62.1	R1 .0136 X1 .134
BASE SPEED	1790	S.F.	1.00	P.F. @NL/FL	7.2/82.1	R2 .00939 X2 .109
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	WK² (LB-FT²)	40.99	XM 3.58
RATED FULL LOAD DATA						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
BASE SPEED	1790	125	367	460	60	150
MAX SPEED	2684	125	244	460	90	140
MIN SPEED	0	0	367	7.80	.342	150
LOAD PERFORMANCE AT BASE SPEED						
	RPM	HP	TORQUE LB-FT	FUND VOLTS	FREQ-HZ	AMPS
NO LOAD	1800	0	0	460	60	62.1
1/4	1797	31.3	92	460	60	80.4
1/2	1795	62.6	183	460	60	99.1
3/4	1792	93.8	275	460	60	124
FULL LOAD	1790	125	367	460	60	150
O/L	1779	249	734	460	60	274
BLOWER DATA						
	VOLTS	PH/HZ	FL AMPS	LR AMPS	FRAME	CFM
REMARKS: TYPICAL DATA VECTOR PWM INVERTER DUTY						
BALDOR				A-C MOTOR PERFORMANCE DATA		
DR. BY M. ORDERS CK. BY J. TSHO APP. BY J. TSHO DATE 06/15/04				A44WG0911-R003 ISSUE DATE 12/21/10		

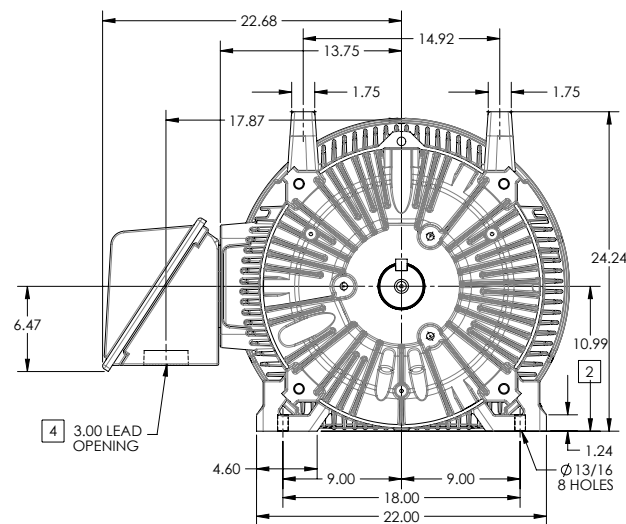




SQUIRREL-CAGE INDUCTION

COOLING: FAN COOLED

INCLUDES 444T 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 ENCRACH 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.

5 WEIGHT (LBS): 2130

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: SHEET 2 NEEDS METRIC FOOT HOLE DIMENSION			
REV: E	VERSION: 05	REVISED: 09-22-56 06/12/2014	TDR: 000000857938
MODEL NO. 617427-001			REF:
BY: RAGRA		Material:	

BALDOR

G445T/444T STD – FOOTED – SIDE/CENTER C/B

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

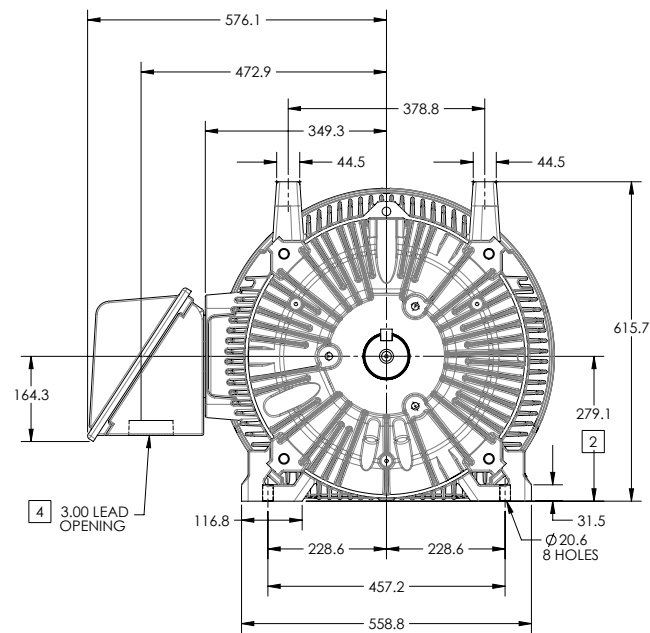
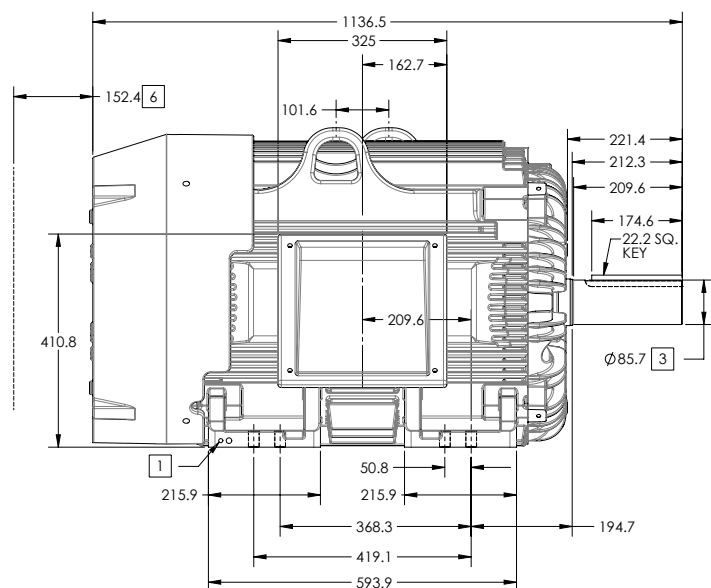
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 444T FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +0,-1.5
3. VARIES +00,-.03
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

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): 970

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.

SHEET NUMBER
2 OF 2

100-227-119

REV. DESC: SHEET 2 NEEDS METRIC FOOT HOLE DIMENSION	
REV: E	VERSION: 05
MODEL NO. 617427-001	REVISED: 09-22-56 06/12/2014
BY: RAGRA	TDR: 00000087938
Material:	REF:

BALDOR

G445T/444T STD - FOOTED - SIDE/CENTER C/B

416820-036

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 3 LEAD CONNECTED



(N.P. 1575-BA)

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	

416820-036