



Customer information packet

CECP4406T-4

150HP, 1785RPM, 3PH, 60HZ, 445TC, TEFC, F1

Class - CLI GP A,B,C,D

Division - Division II

Specifications

Enclosure	TEFC
Frame	445TC
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CL I GP A,B,C,D
Haz Area Division	Division II
Motor Letter Type	Three Phase
Output @ Frequency	150.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Constant Torque Speed Range	15-60
Current @ Voltage	169.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3
Heater Indicator	No Heater
High Voltage Full Load Amps	169.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	3 @ 1/0 AWG

Part detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3335
Layout	617427-013
Eff. date	12-10-2025
CD Diagram	416820-036
Poles	04
Leads	3#1/0 Y
Proprietary	False
Created date	02-07-2014

Motor Standards	NEMA
Motor Type	A4488M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	44.75 IN
Power Factor	86
Product Family	General Industrial
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2496L	
EXXON POLYREX EM	

NP3238

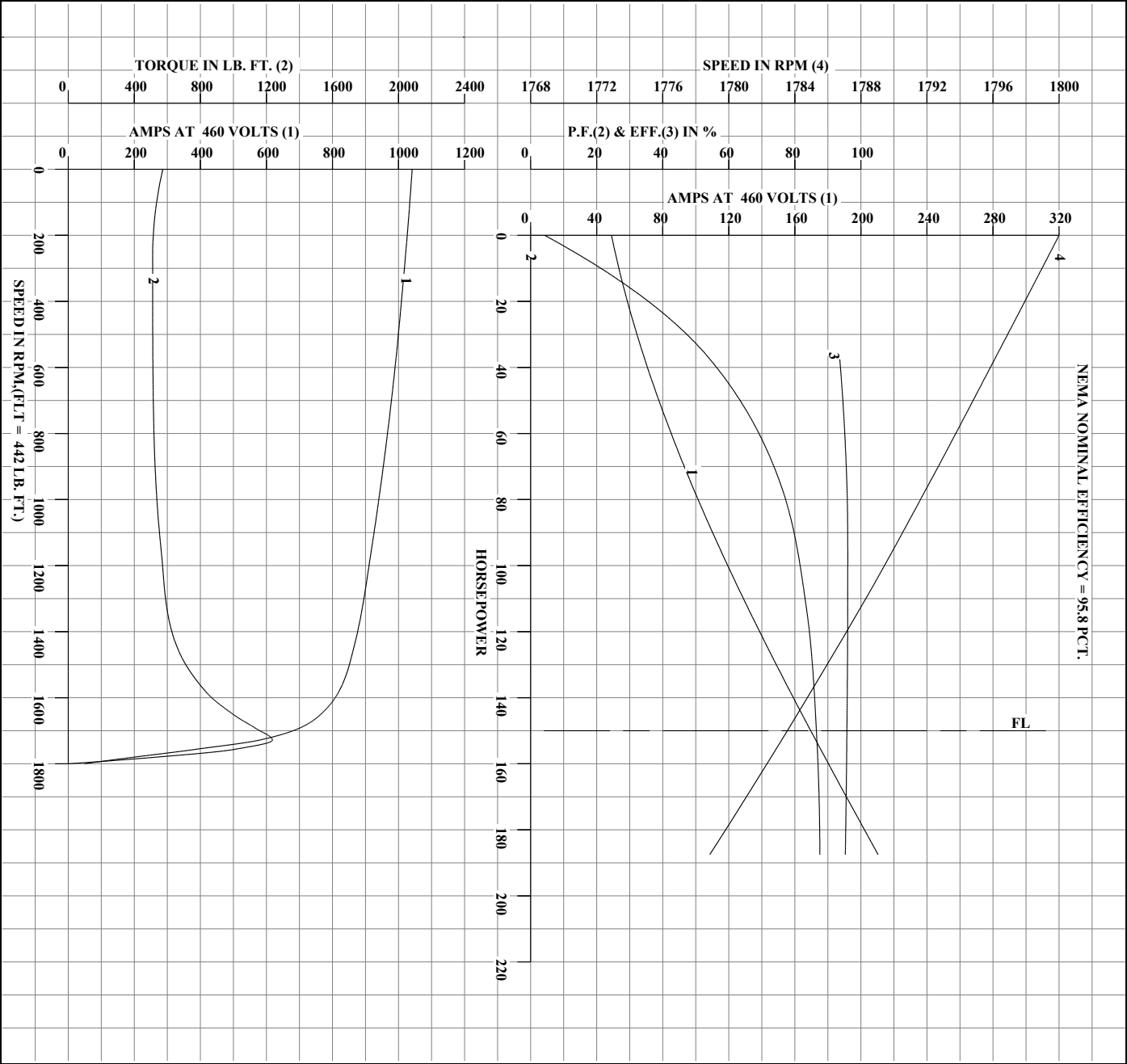
CAT NO	CECP4406T-4			SPEC NO.		A44-5421-1778							
HP	150	AMPS	169		VOLTS		460		DESIGN	B			
FRAME	445TC	RPM	1785	HZ	60	AMB	40	SF	1.15				
D.E. BRG.DATA	6318		O.D.E. BRG.DATA			6318		PH	3	DUTY	CONT	INSUL.CLASS	F
D.E. BRG.	90BC03J30X			TYPE	P	ENCL	TEFC	CODE	F				
O.D.E. BRG.	90BC03J30X			POWER FACTOR			86		NEMA NOM EFFICIENCY			95.8	
3/4 LOAD EFF.	96.1		MAX CORR KVAR			30.0		GUARANTEED EFFICIENCY			95		
TEMP CODE	T3	TEMP =		200									
CHP HZ	60-90	CT HZ	15-60		VT HZ	0-60							
INVERTER-TEMP-CODE	T3												
SER.NO.				MOTOR WEIGHT									

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	445T	150	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
169	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
498808	418143053AE	---	---	.0298		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	48.9	1800	4.26	0	
1/4	37.6	69.1	1796	54.3	93.6	
2/4	75.0	97.1	1792	75.6	95.7	
3/4	112	131	1788	83.4	96.0	
4/4	150	169	1784	86.5	95.8	
5/4	188	210	1779	87.6	95.3	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	130	572	1041	
PULL UP		270	116	511	1020	
BREAKDOWN		1729	280	1237	579	
FULL LOAD		1784	100	442	169	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA NEMA NOMINAL EFFICIENCY = 95.8 PCT.						
		DRAWN BY: C.BATANGANE CHECKED BY: C.EJAMISON APPROVED BY: C.EJAMISON DATE: 10/16/23		AC MOTOR PERFORMANCE DATA	A44WG3335-R001 DATE ISSUED 02/03/25	

USCHATA

Printed on 02/03/2025 8:48 AM

REL.S.O.	445T	RPM	1785	S.F.	1.15	ROTOR	418143053AE
FRAME	445T	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	150	AMPS	169	CODE LETTER	F	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0298
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	498808	OHMS (BETWEEN LINES)	



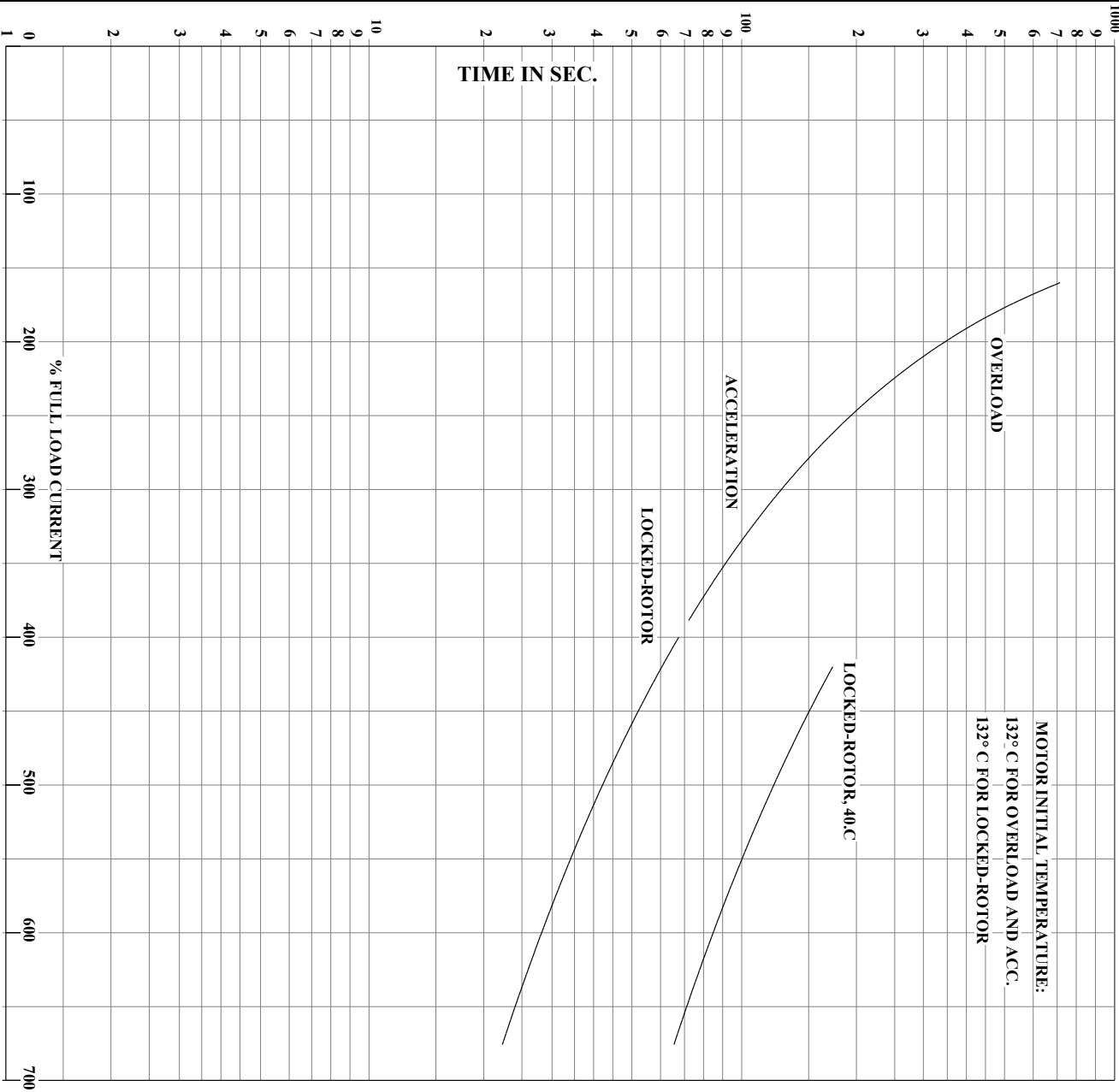
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

	DRAWN BY: C.B.ATANGANE CHECKED BY: C.E.JAMISON APPROVED BY: C.E.JAMISON DATE: 10/16/23	AC MOTOR PERFORMANCE DATA	A44WCG3335-R001
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USCHATA

ISSUE DATE 02/03/25
Printed on 02/03/2025 8:48 AM

REL.S.O.	FRAME 445T	HP 150	TYPE P	PHASE / HERTZ 3/60	RPM 1785	VOLTS 460	AMPS 169	DUTY CONT	AMB °C / INSUL 40/F	S.F. 1.15	NEMA DESIGN B	CODE LETTER F	ENCLOSURE TEFC	E/S 498808	ROTOR 418143053AE	TEST S.O. TYPICAL DATA
												TEST DATE ---	STATOR RES. @ 25°C .0298	OHMS (BETWEEN LINES)		



Thermal Limit Curve
NEMA Nominal Efficiency = 95.8 PCT.

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

	DRAWN BY: C.B.ATANGANE	AC MOTOR PERFORMANCE DATA	A44WCG3335-R001
	CHECKED BY: C.E.JAMISON APPROVED BY: C.E.JAMISON DATE: 10/16/23		

USCHATA

ISSUE DATE 02/03/25
Printed on 02/03/2025 8:48 AM

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

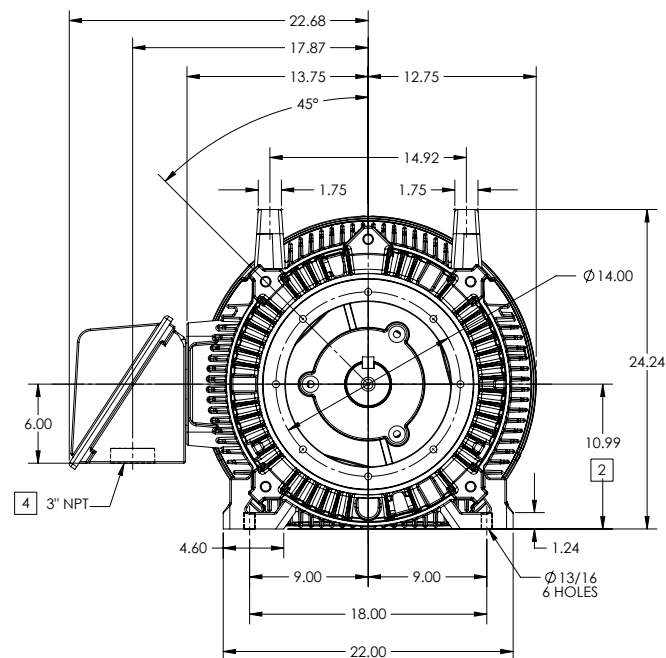
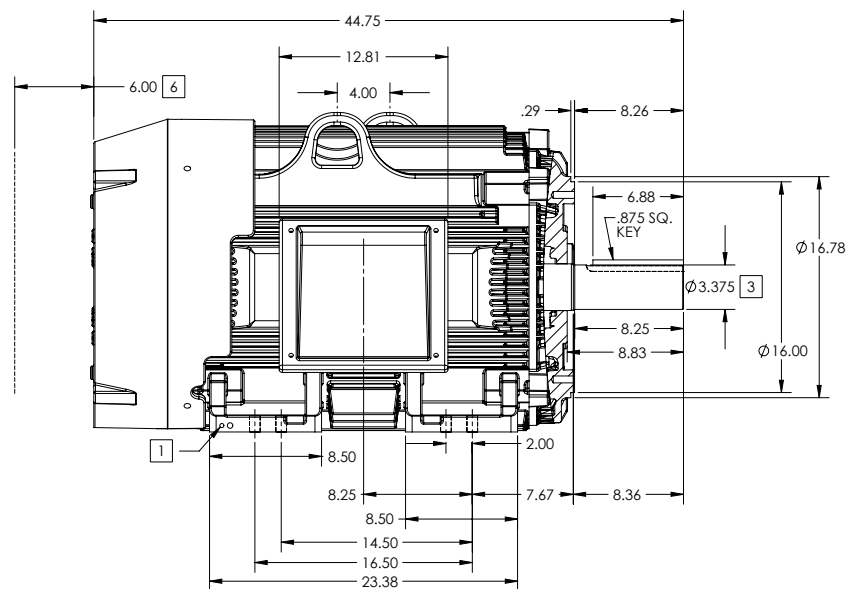
ENCLOSURE: TOTALLY ENCLOSED

FRAME G445TC ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT, NEMA "C" FACE

INCLUDES 444TC 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 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 .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.

SHEET NUMBER
1 OF 2

617427-013

REV. DESC: INITIAL RELEASE	VERSION: 00	REVISED: 11/00/20 07/23/2012	TDR: 000000749386
MODEL NO. 617427-013	REF:		
BY: MGHWC	Material:		

BALDOR

G445TC/444TC STD - FOOTED - SIDE/CENTER C/B

617427-013

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

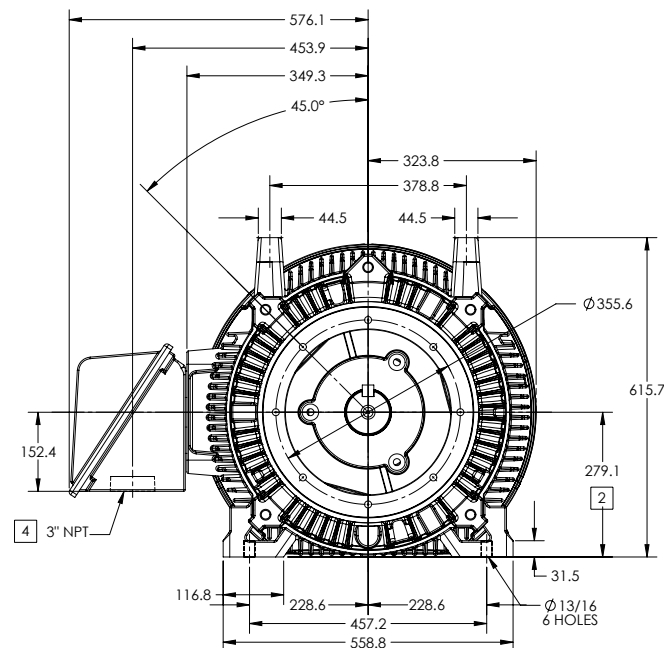
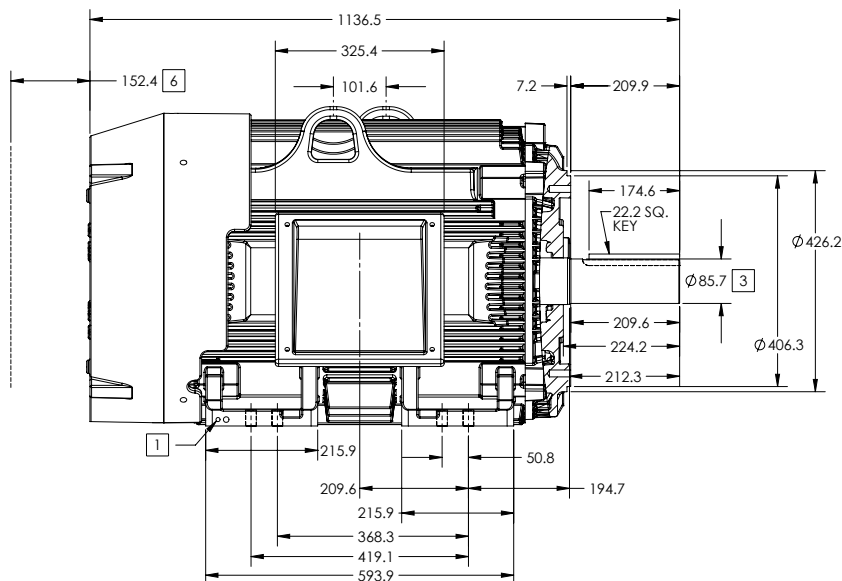
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4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 1.5% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET

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 .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

617427-013

REV. DESC: INITIAL RELEASE	VERSION: 00	REVISED: 11/00/20 07/23/2012	TDR: 000000749386
MODEL NO. 617427-013	BY: MGHWC	Material:	REF:

BALDOR

G445TC/444TC STD - FOOTED - SIDE/CENTER C/B

617427-013

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	