



Customer information packet

ECR92004TR-4

200HP, 1785RPM, 3PH, 60HZ, 447T, A44106M, TEFC

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	200.000 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	Mobil SHC 220 (Athens Only)
Constant Torque Speed Range	15-60
Current @ Voltage	225.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	96.2 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	225.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	H
Lifting Lugs	No Lifting Lugs
Max Speed	3600 rpm
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA

Part detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG5112
Layout	617427-355
Eff. date	04-08-2021
CD Diagram	416820-036
Poles	04
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	02-06-2015

Motor Type	A44106M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	48.24 IN
Power Factor	87
Product Family	Crusher / Chipper
Pulley End Bearing Type	Roller
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	Shaft Slinger
Speed	1785 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

000613007PV

CAT NO	ECR92004TR-4			SPEC NO.		P44G1813						
HP	200	AMPS	225	VOLTS		460		DESIGN	A			
RPM	1785	RPM MAX	3600	HZ	60	AMB	40	SF	1.15			
D.E. BRG.DATA	NU222		O.D.E. BRG.DATA		6318		PH	3	DUTY	CONT	INSUL.CLASS	F
FRAME	447T	I.P.	55	TYPE	P	ENCL	TEFC	CODE	H			
POWER FACTOR	87	3/4 LOAD EFF.		96.4		NEMA NOM EFFICIENCY				96.2		
CHP HZ	60-90	CT HZ	15-60	VT HZ	6-60							
SER.NO.				MOTOR WEIGHT		2474						

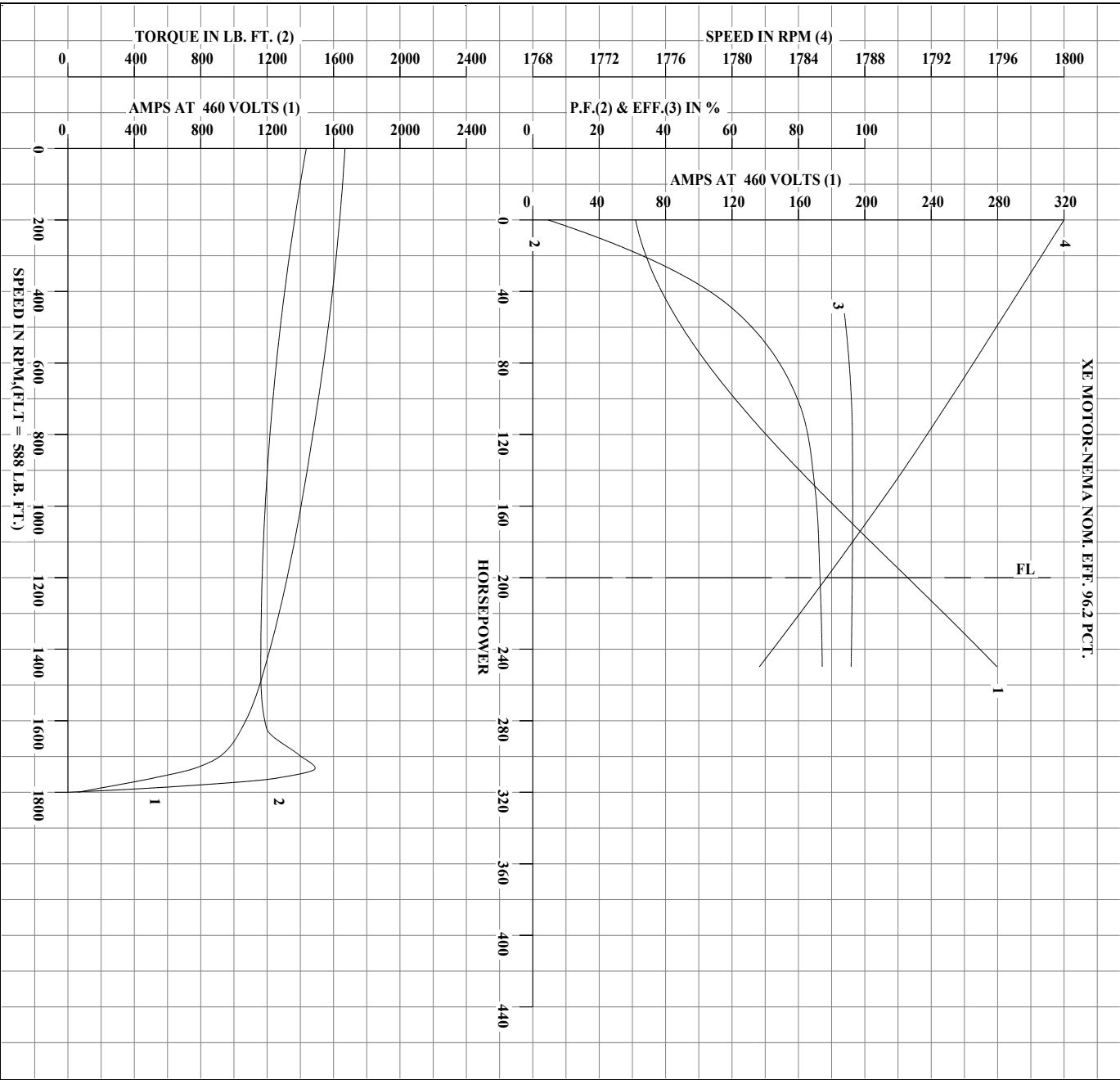
NP2496L	
MOBIL SHC -220 GREASE	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	200	P	3/60	1785	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
225	CONT	40/F	1.15	A	H	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418143034VE	---	---	.0160		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	62.2	1800	4.61	0	
1/4	50.0	82.7	1797	60.5	93.7	
2/4	100	122	1793	79.7	95.9	
3/4	150	171	1790	85.0	96.3	
4/4	200	225	1786	86.5	96.2	
5/4	250	280	1782	87.2	95.9	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	244	1436	1669	
PULL UP		1450	198	1162	1187	
BREAKDOWN		1733	253	1490	762	
FULL LOAD		1786	100	588	225	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
CALCULATED DATA						
XE MOTOR-NEMA NOM. EFF. 96.2 PCT.						
BALDOR A MEMBER OF THE ABB GROUP		DRAWN BY: CD CHECKED BY: T.KELATI APPROVED BY: T.KELATI DATE: 02/05/2015		AC MOTOR PERFORMANCE DATA		A44WG5112-R001 DATE ISSUED 02/05/20

USERCHRI

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REL.S.O.	447T	RPM	1785	S.F.	1.15	ROTOR	418143034YE
FRAME	447T	VOLTS	460	NEMA DESIGN	A	TEST S.O.	CALCULATED DATA
HP	200	AMPS	225	CODE LETTER	H	TEST DATE	---
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0160
PHASE / HERTZ	3/60	AMB °C / INSUL	40/F	E/S	-	OHMS (BETWEEN LINES)	



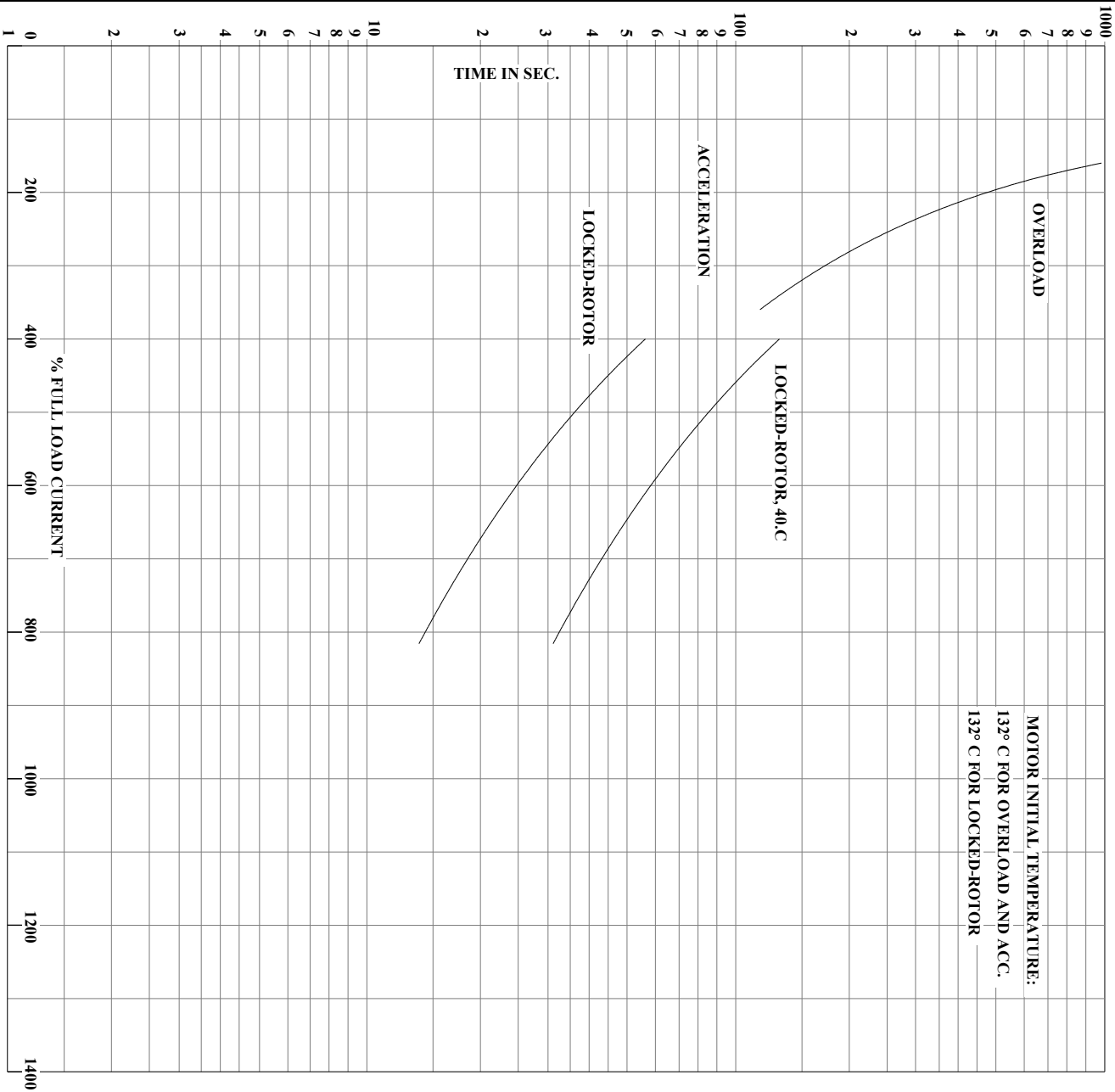
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR A MEMBER OF THE ABB GROUP	DRAWN BY: CD CHECKED BY: T.KELATI APPROVED BY: T.KELATI DATE: 02/05/2015	AC MOTOR PERFORMANCE DATA	A44WG5112-R001
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USERCHRI

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REL.S.O.	FRAME 447T	RPM 1785	S.F. 1.15	ROTOR 418143034YE
HP 200	VOLTS 460	AMPS 225	NEMA DESIGN A	TEST S.O. CALCULATED DATA
TYPE P	DUTY CONT	CODE LETTER H	ENCLOSURE TEFC	TEST DATE ---
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S -	STATOR RES. @ 25°C .0160	OHMS (BETWEEN LINES)



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

BALDOR A MEMBER OF THE ABB GROUP	DRAWN BY: <u>CD</u> CHECKED BY: <u>T.KELATI</u> APPROVED BY: <u>T.KELATI</u> DATE: <u>02/05/2015</u>	AC MOTOR PERFORMANCE DATA	A44WG5112-R001
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USERCHR1

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

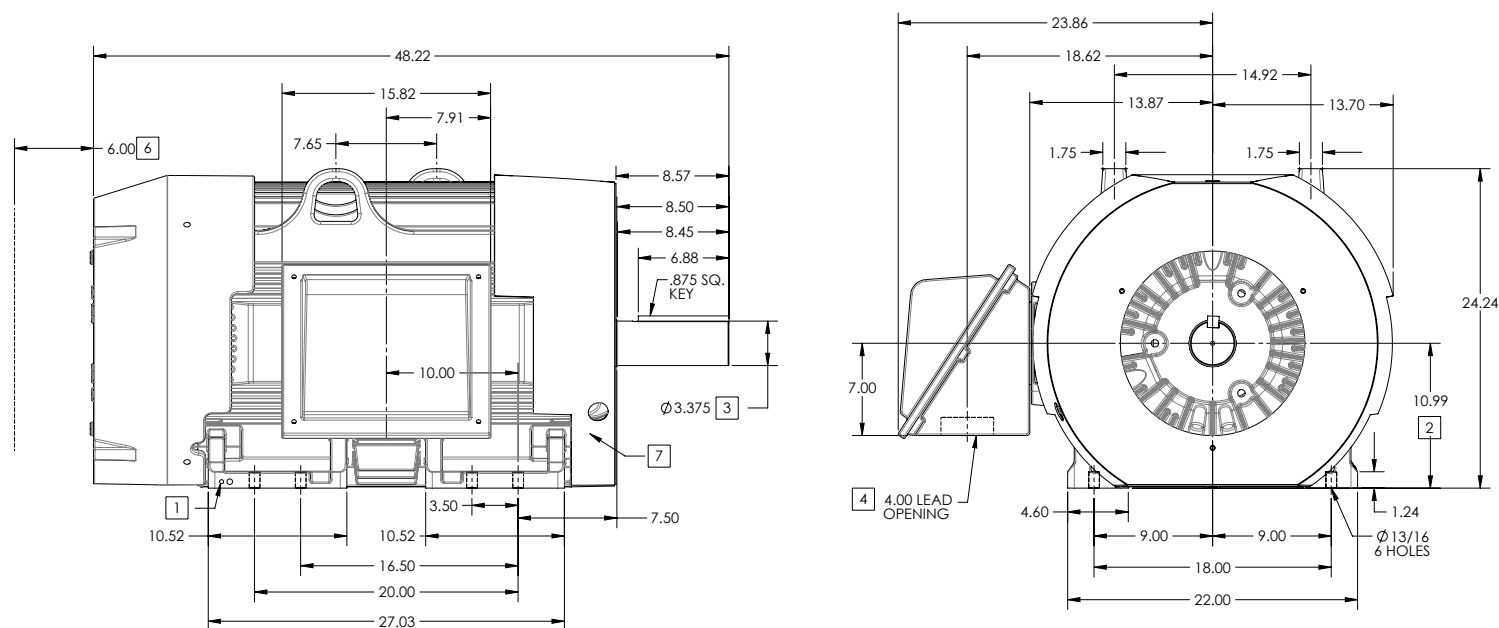
ENCLOSURE: TOTALLY ENCLOSED

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 $\pm .00$, $-.06$
3. VARIES $\pm .000$, $-.001$
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.

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

555-1747-355

REV. DESC: NEW ISSUE	VERSION: 00	REVISED: 04/29/05 (02/09/2015)	TDR: 000000884510
MODEL NO. 617427-355	REF:		
BY: RAGGDM	Material:		

BALDOR

G447T/445T STD FOOTED SIDE/CENTER C/B WITH AIR DEFLECTOR

617427-355

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

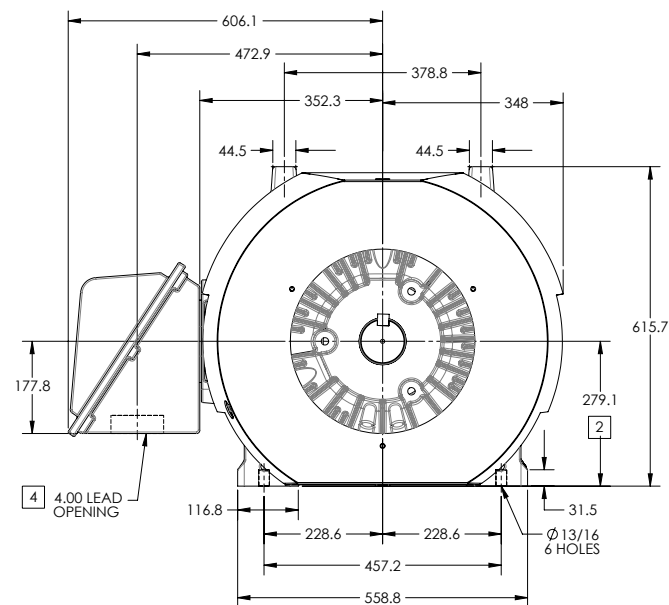
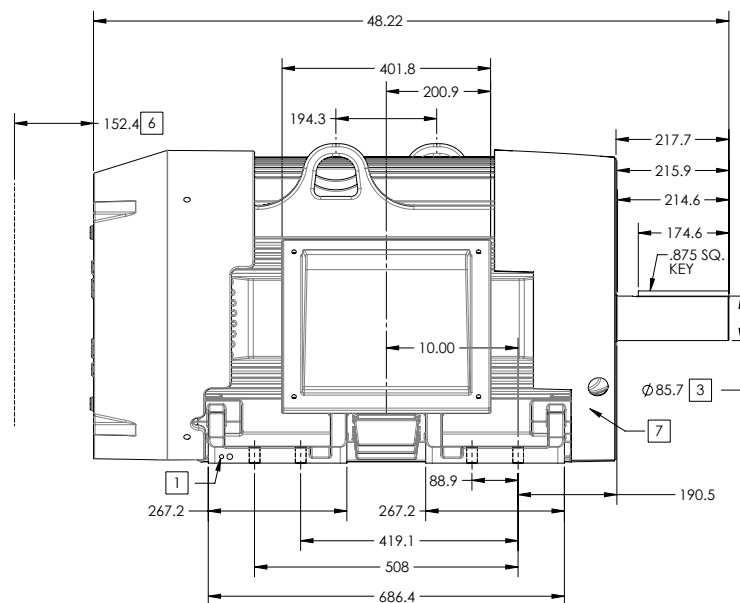
ENCLOSURE: TOTALLY ENCLOSED

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.

[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: NEW ISSUE

REV: - VERSION: 00

REVISED: 04/29/05 02/09/2015

TDR: 000000884510

MODEL NO. 617427-355

BY: RAGGDM

Material:

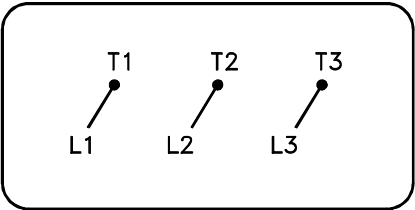
REF:

BALDOR

G447T/445T STD FOOTED SIDE/CENTER C/B WITH AIR DEFLECTOR

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		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010
MTL: -		BY: RAGRA

BALDOR

CONN DIAG - STANDARD 3 LEAD
SH 1 of 1