ABB BALDOR RELIANCE

Customer information packet

CR4408TR-4

250HP, 1785RPM, 3PH, 60HZ, 447T, A44106M, TEFC
Class -
Division - Not Applicable

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11/12/2026 4:20:41 PM

Specifications

Enclosure	TEFC
Frame	447T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CSA EEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	RG
Bearing Grease Type	Mobil SHC 220 (Athens Only)
Current @ Voltage	284.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	284.0 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44106M
Mounting Arrangement	F1
Number of Poles	4

Part Detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A44WG1450
Layout	617427-002
Eff. date	03-04-2016
CD Diagram	416820-036
Poles	04
Leads	3#1/0 (02 per group)
Proprietary	False
Created date	08-21-2012

Overall Length	48.24 IN
Power Factor	86
Pulley End Bearing Type	Roller
Pulley Face Code	Standard
Service Factor	1.15
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

000613007EV												
CAT NO				**SPEC NO.**	P44G3993							
HP	250	**AMPS**	284			**VOLTS**	460			**DESIGN**	A	
FRAME	447T	**RPM**	1785	**HZ**	60	**C AMB**	40			**SF**	1.15	
D.E. BRG.	110RU02M30X			**PH**	3	**DUTY**	CONT			**INSUL.CLASS**	F	
O.D.E. BRG.	90BC03J30X			**TYPE**	P	**ENCL**	TEFC	**CODE**	H			
D.E.BRG.DATA	222			**POWER FACTOR**	86			**NEMA NOM EFFICIENCY**		95.4		
O.D.E.BRG.DATA	6318			**MAX CORR KVAR**	50			**GUARANTEED EFFICIENCY**		95.0		
3/4 LOAD EFF.	95.4			**NEMA NOM/CSA QUOTED EFF**								
SER.NO.				**MOTOR WEIGHT**	2542							

000901002AAA
GREASE: MOBIL SHC-220
DESIGN C CHAR

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	250	P	3/60	1785	460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
284	CONT	40/F	1.15	A	H	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
433728	418143045PE	---	---	.0154

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	81.5	1800	6.16	0
1/4	62.5	107	1796	59.5	91.6
2/4	125	158	1793	78.3	94.7
3/4	188	218	1789	84.5	95.4
4/4	250	284	1785	86.2	95.4
5/4	312	353	1781	87.1	95.2

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	265	1951	2109
PULL UP	1405	167	1225	1362
BREAKDOWN	1728	249	1835	929
FULL LOAD	1785	100	736	284

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

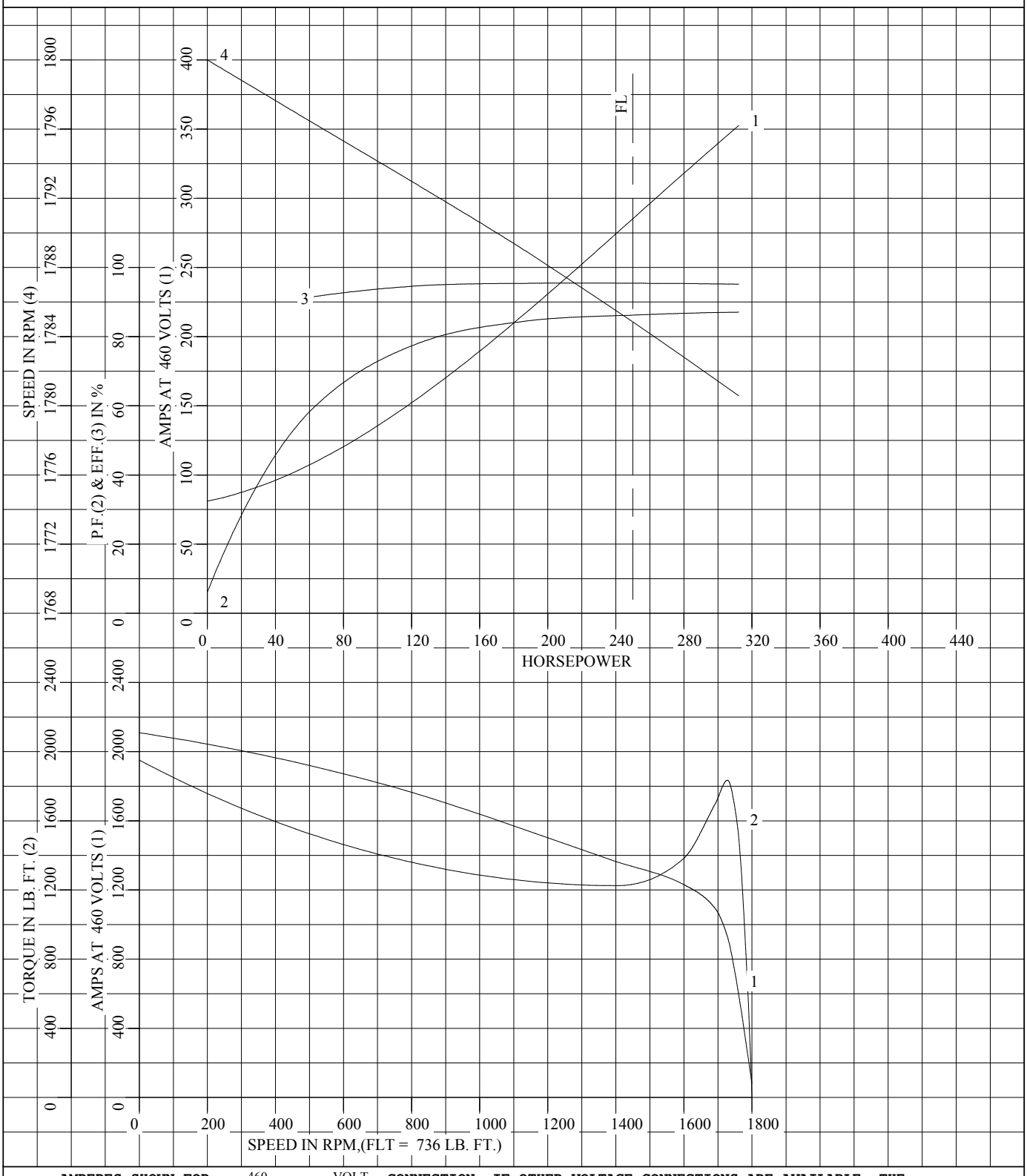
DR. BY W. L. SMITH
CK. BY J.J.HARRISON
APP. BY D. M. BYRD
DATE 03/30/04

A-C MOTOR PERFORMANCE DATA

A44WG1450-R001
ISSUE DATE 12/18/10

Printed on 12/18/10 2:33 @ psecs-motorer

FRAME 447T	RPM 1785	S.F. 1.15	ROTOR 418143045PE
HP 250	VOLTS 460	NEMA DESIGN A	TEST S.O. TYPICAL DATA
TYPE P	AMPS 284	CODE LETTER H	TEST DATE ---
PHASE/HERTZ 3/60	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃ .0154
	AMB ℃/INSUL 40/F	E/S 433728	OHMS (BETWEEN LINES)



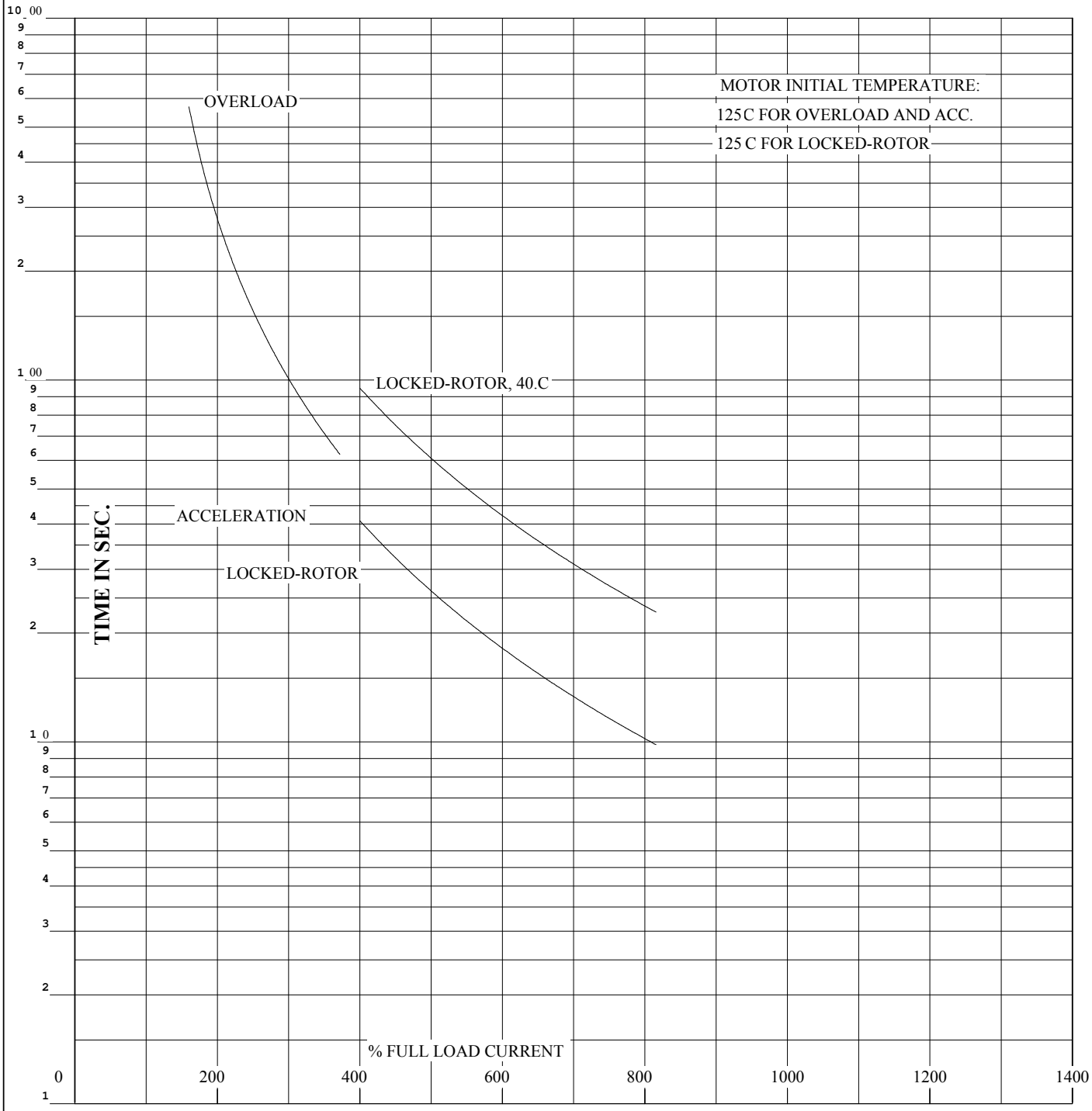
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY	W. L. SMITH
CK. BY	J.J.HARRISON
APP. BY	D. M. BYRD
DATE	03/30/04

A–C MOTOR PERFORMANCE CURVES A44WG1450-R001 ISSUE DATE 12/18/10

REL. S.O.	RPM 1785	S.F. 1.15	ROTOR 418143045PE
FRAME 447T	VOLTS 460	NEMA DESIGN A	TEST S.O. TYPICAL DATA
HP 250	AMPS 284	CODE LETTER H	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃.0154
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 433728	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS:

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

BALDOR	DR. BY W. L. SMITH CK. BY J.J.HARRISON APP. BY D. M. BYRD DATE 03/30/04	A-C MOTOR PERFORMANCE CURVES	A44WG1450-R001 ISSUE DATE 12/18/10

617427-002

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

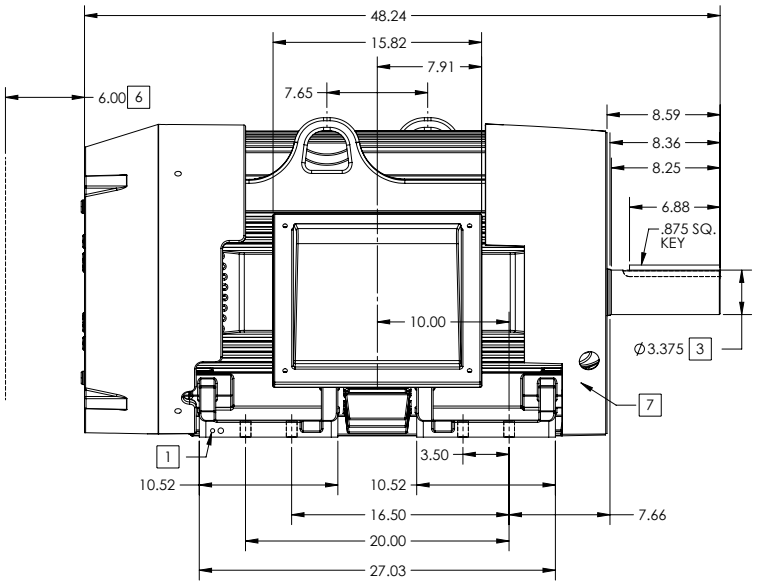
ENCLOSURE: TOTALLY ENCLOSED

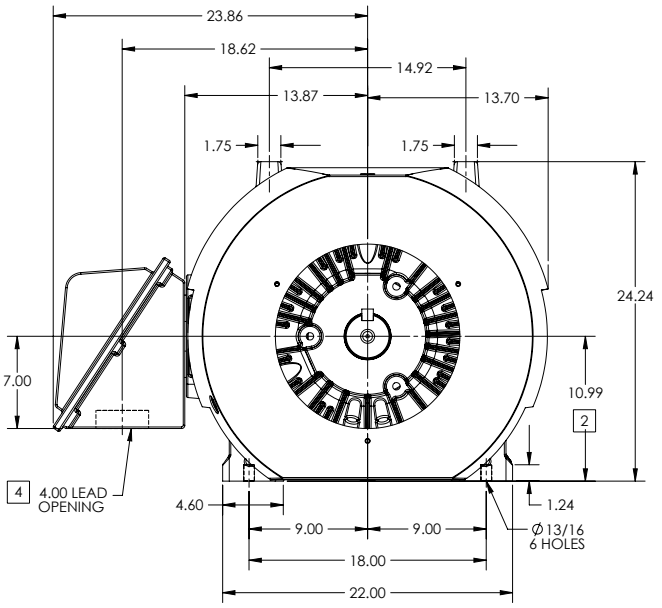
FRAME G447T ABOVE NEMA RATINGS

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 .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

617427-002

REV. DESC: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED"WAS"UL..."			
REV: A	VERSION: 01	REVISED: 08:25:13 02/15/2013	TDR: 000000786306
MODEL NO. 617427-002			REF:
BY: MGHWCG	Material:	C	

BALDOR

G447T/445T STD – FOOTED – SIDE/CENTER C/B

617427-002

617427-002

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

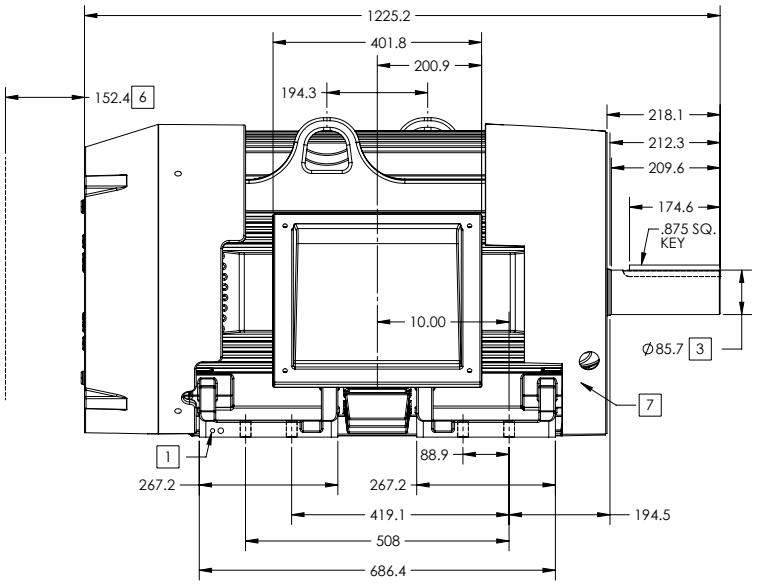
ENCLOSURE: TOTALLY ENCLOSED

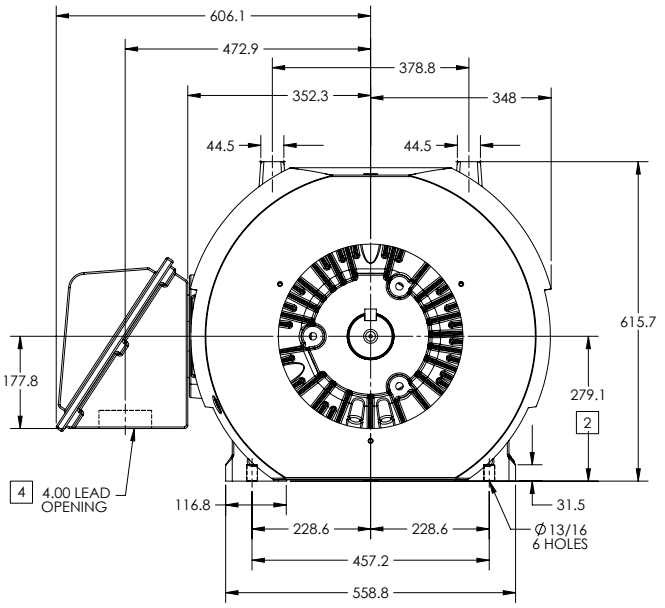
FRAME G447T ABOVE NEMA RATINGS

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: CHANGING ENCLOSURE TO "TOTALLY ENCLOSED"WAS"UL..."			
REV: A	VERSION: 01	REVISED: 08:25:13 02/15/2013	TDR: 000000786306
MODEL NO. 617427-002			REF:
BY: MGHWCG	Material:	C	

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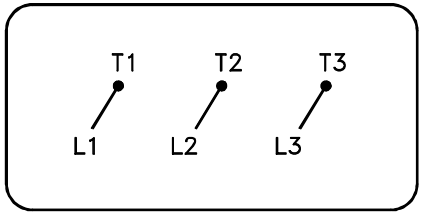
G447T/445T STD – FOOTED – SIDE/CENTER C/B

617427-002

617427-002

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
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11:54:06 04/30/2010	CONN DIAG – STANDARD 3 LEAD
MTL: –		BY: RAGRA	SH 1 of 1