



Customer information packet

EM4416T-4

200HP, 3570RPM, 3PH, 60HZ, 447TS, A44104M, TEF

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	447TS
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	3600 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CCSA US CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	216.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.4 %
Enclosure Modification	841
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	216.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA

Part detail

Revision	T
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG3376
Layout	617427-087
Eff. date	10-06-2025
CD Diagram	416820-036
Poles	02
Leads	3#1 (02 per group)
Proprietary	False
Created date	08-14-2012

Motor Type	A44104M
Mounting Arrangement	F1
Number of Poles	2
Overall Length	44.48 IN
Power Factor	91
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	2.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3570 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2349L

SPEC NO.	P44G3911			CAT.NO.	EM4416T-4					FRAME	447TS		
HP	200	VOLTS	460	PHASE	3	DESIGN	B	TYPE	P				
RPM	3570	AMPS	213	HZ	60	AMB	40	SF	1.15				
DRIVE END BEARING	65BC03J30X			DUTY	CONT	INSUL.CLASS		F					
OPP D.E. BEARING	65BC03J30X			ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR		91	NEMA-NOM-EFFICIENCY				95.4		
						MAX CORR KVAR		21.0	GUARANTEED EFFICIENCY		94.5		
						NEMA NOM/CSA QUOTED EFF							
											MOTOR WEIGHT		

Accessories

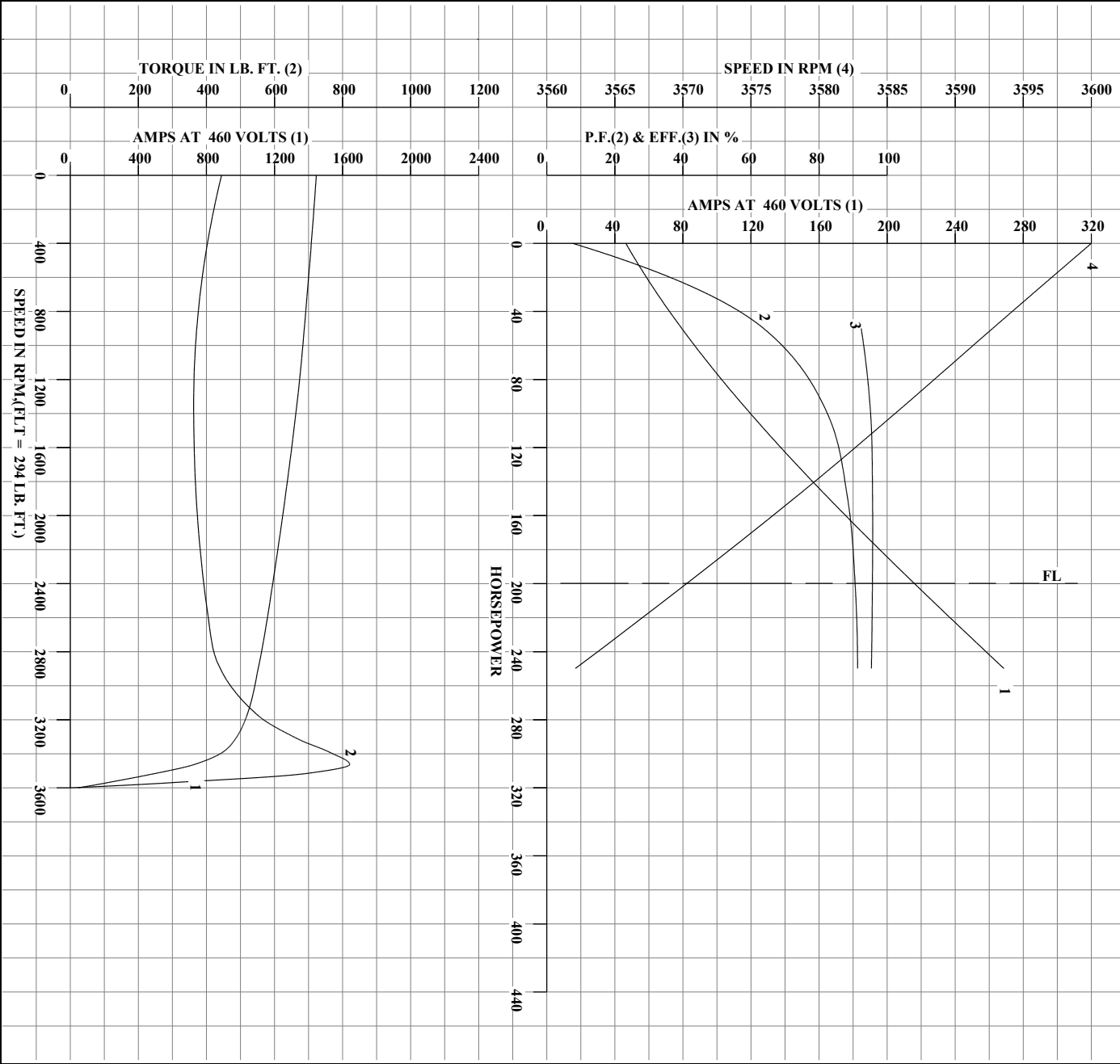
Part number	Description	Multiplier
089490104B	BRKT,DE 089490103WCA, C-Face	P1
089490108A	D-FLANGE EP MACHINING, G28 W/6313 BRG	

S/O	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TS	200	P	3/60	3570	460
AMPS	DUTY	AMB °C/ INSUL	S.F.	NEMA DESIGN	CODE LETTER	ENCLOSURE
216	CONT	40/F	1.15	B	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833199	418143006LE	---	---	.0144		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	46.4	3600	7.62	0	
1/4	50.0	79.5	3593	63.7	92.4	
2/4	100	119	3586	82.4	95.1	
3/4	150	166	3578	88.4	95.7	
4/4	200	216	3570	90.6	95.7	
5/4	250	269	3562	91.3	95.4	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	151	444	1446	
PULL UP		1350	123	362	1331	
BREAKDOWN		3462	279	821	730	
FULL LOAD		3570	100	294	216	
AMPERES SHOWN FOR 460 VOLT CONNECTION. IF OTHER CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.						
TYPICAL DATA						
 DRAWN BY: W.L. SMITH CHECKED BY: J.J. HARRISON APPROVED BY: E.J. CHRISTIAN DATE: 08/04/10 AC MOTOR PERFORMANCE DATA A44W/G3376-R001 DATE ISSUED 06/19/19						

US10TSA

Printed on 12/13/2022 9:30 AM

REL.S.O.	447TS	RPM	3570	S.F.	1.15	ROTOR	418143006LE
FRAME	200	VOLTS	460	NEMA DESIGN	B	TEST S.O.	TYPICAL DATA
HP	200	AMPS	216	CODE LETTER	G	TEST DATE	--
TYPE	P	DUTY CONT		ENCLOSURE	TEFC	STATOR RES. @ 25°C	.0144
PHASE / HERTZ	3/60	AMB °C / INSUL.	40/F	E/S	833199	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: W.L. SMITH
CHECKED BY: J.J. HARRISON
APPROVED BY: E.J. CHRISTIAN
DATE: 08/04/10

AC MOTOR
PERFORMANCE
DATA

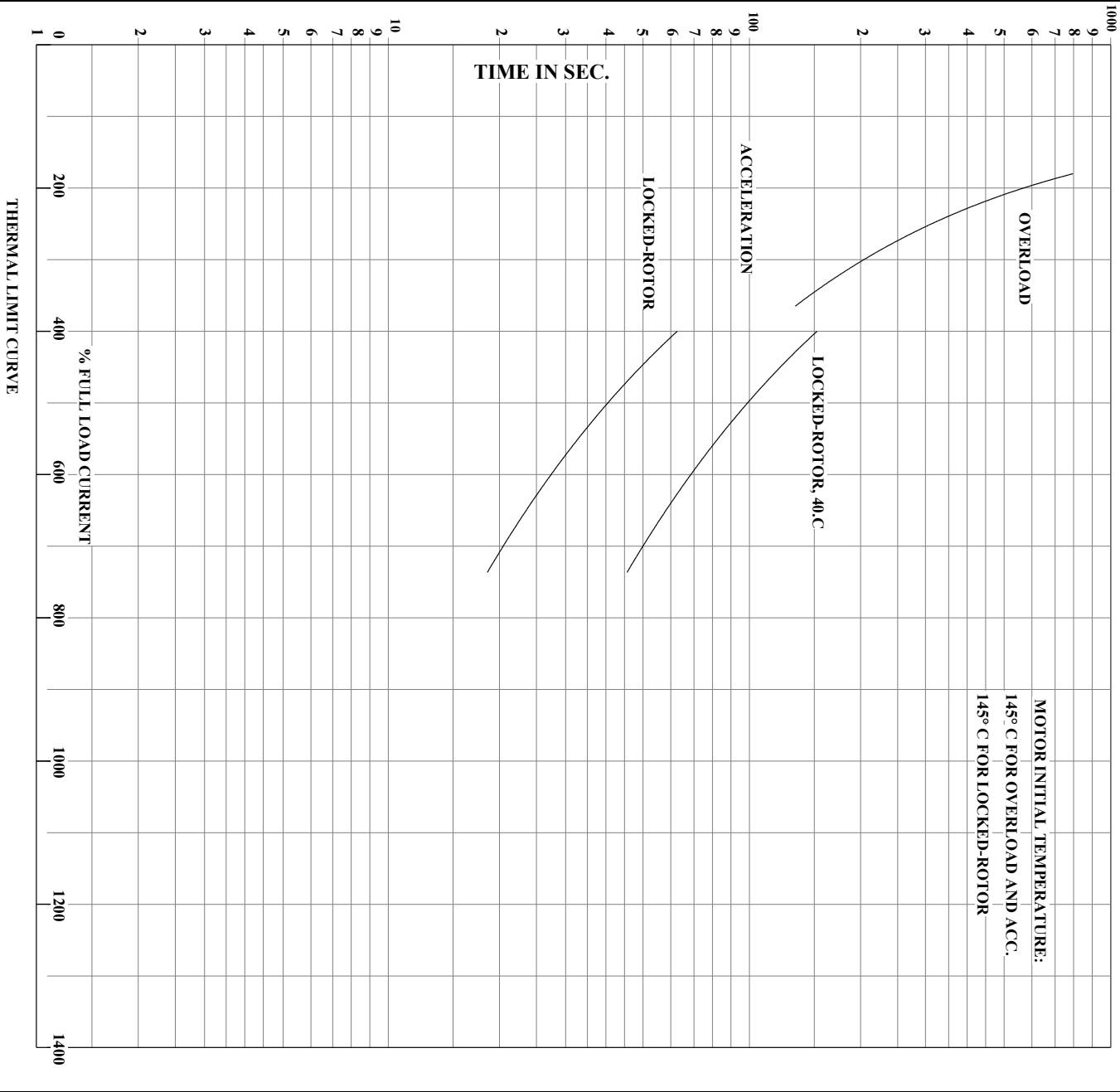
A44WG3376-R001

ISSUE DATE 06/19/19

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REL.S.O.	RPM 3570	S.F. 1.15	ROTOR 418143006LE
FRAME 447TS	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 200	AMPS 216	CODE LETTER G	TEST DATE --
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES. @ 25°C .0144
PHASE / HERTZ 3/60	AMB °C / INSUL 40/F	E/S 833199	OHMS (BETWEEN LINES)



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

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

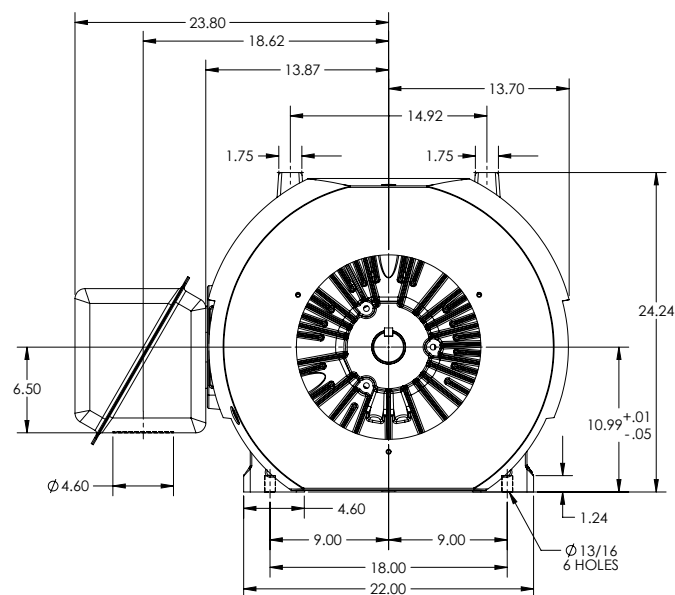
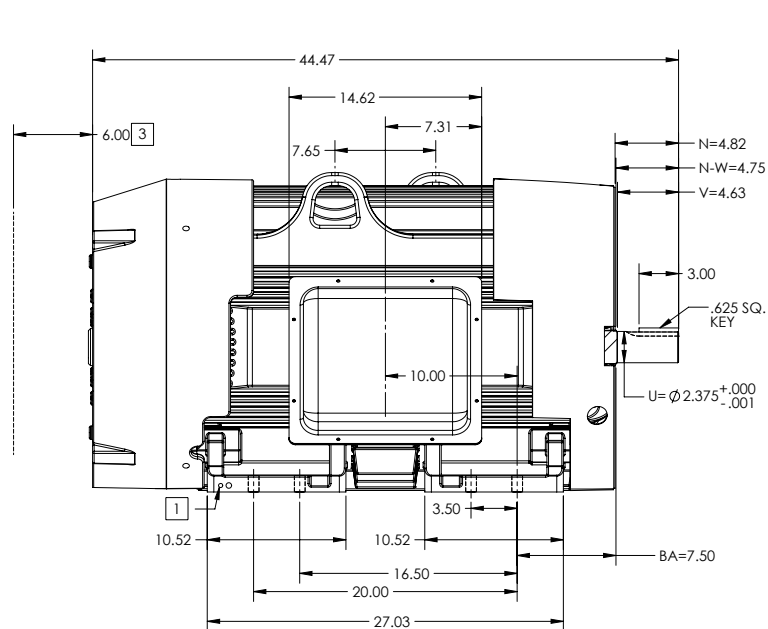
ENCLOSURE: TOTALLY ENCLOSED

FRAME G447TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 445TS FRAME MOUNTING HOLES



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
3. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[2] WEIGHT (LBS): 2480

DRIVE END AIR DEFLECTOR IS ONLY INCLUDED WHEN NECESSARY.

DIMENSIONS ARE IN INCHES

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

SHEET NUMBER
1 OF 1

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.

REV.	DESC: UPDATE DIMENSION ON SHAFT EXT.
REV: B	VERSION: 02
MODEL NO. 617427-087	REVISED: 08-03-29 02/19/2020
BY: RAGRS1	TDR: 000001133045
Material:	REF:

BALDOR

G447TS/445TS STD FOOTED SIDE/CENTER STEEL C/B

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