



Customer information packet

EM44256T-4

250HP, 1189RPM, 3PH, 60HZ, 449T, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	449T
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	250.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 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)
Current @ Voltage	285.000 A @ 460.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	95.8 %
Feedback Device	NO FEEDBACK
Heater Indicator	No Heater
High Voltage Full Load Amps	285.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Motor Lead Quantity/Wire Size	6 @ 1/0 AWG
Motor Standards	NEMA
Motor Type	A44160M
Mounting Arrangement	F1

Part detail

Revision	H
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4238
Layout	617427-209
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	06
Leads	6#1/0
Proprietary	False
Created date	04-09-2015

Number of Poles	6
Overall Length	53.21 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	1189 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

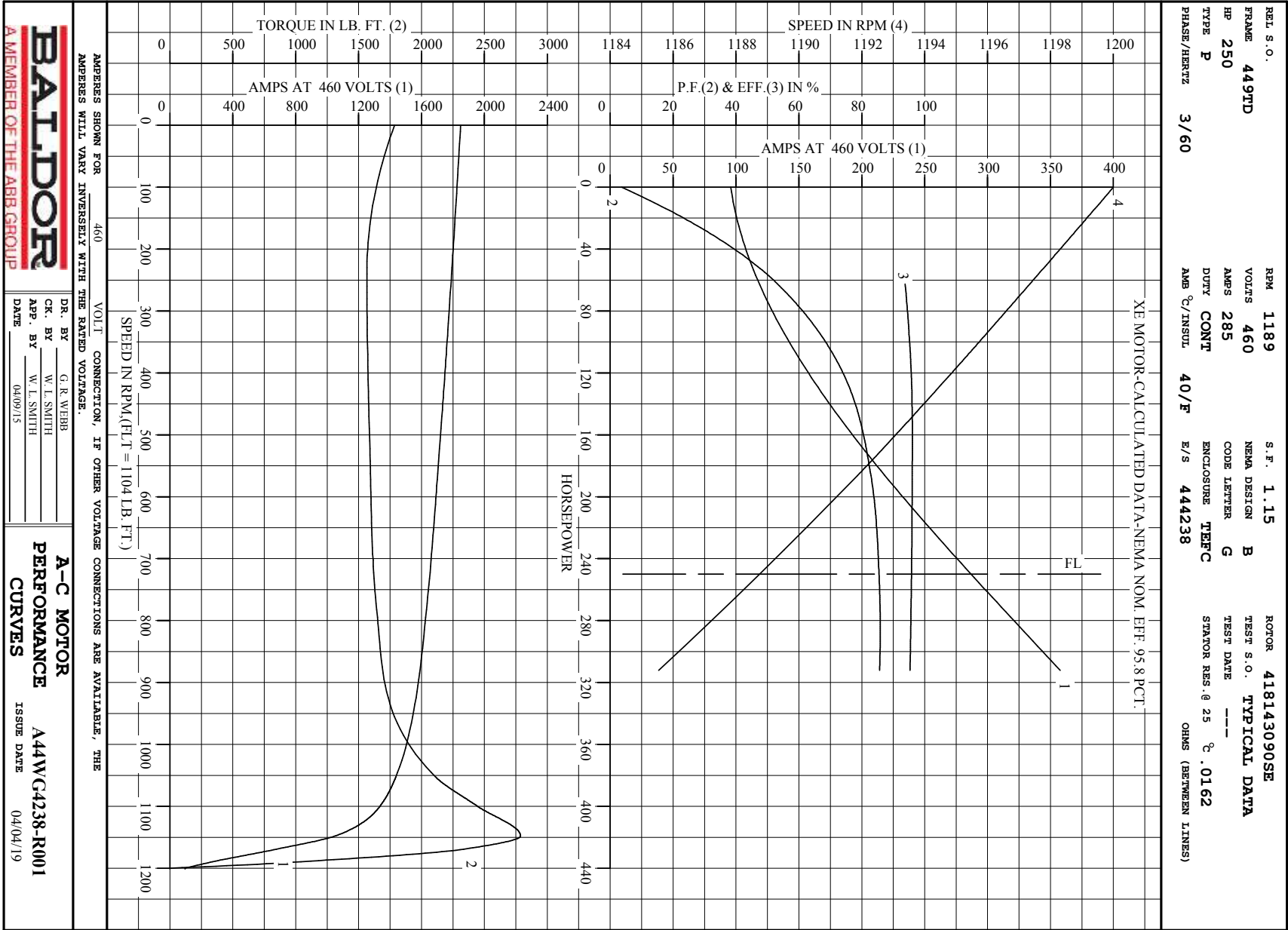
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A44-7107-4238			CAT.NO.	EM44256T-4					FRAME	449T	
HP	250	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P		
RPM	1189	AMPS	285		HZ	60	AMB	40	SF	1.15		
DRIVE END BEARING	90BC03J30X		DUTY	CONT	INSUL.CLASS			F				
OPP D.E. BEARING	90BC03J30X		ENCL	TEFC	CODE	G						
SER.NO.				POWER FACTOR	86	NEMA-NOM-EFFICIENCY					95.8	
						MAX CORR KVAR	68.2	GUARANTEED EFFICIENCY			95	
						NEMA NOM/CSA QUOTED EFF						
						MOTOR WEIGHT						

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REL. S. O.		RPM	1189	S. F.	1.15	ROTOR	418143090SE	
FRAME		449TD	VOLTS	460	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP		250	AMPS	285	CODE LETTER	G	TEST DATE	---
TYPE		P	DUTY	CONT	ENCLOSURE	TEFC	STATOR RES. @ 25	°C. 0162
PHASE/HERTZ		3/60	AMB °C/INSL	40/F	E/S	444238	OHMS (BETWEEN LINES)	

10.00

9

8

7

6

5

4

3

2

1

0

1.00

.9

.8

.7

.6

.5

.4

.3

.2

.1

0

TIME IN SEC.

200

400

600

800

1000

1200

1400

OVERLOAD

LOCKED-ROTOR, 40.C

LOCKED-ROTOR

ACCELERATION

% FULL LOAD CURRENT

145C FOR OVERLOAD AND ACC

145 C FOR LOCKED-ROTOR

THERMAL LIMIT CURVE

REMARKS: XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 95.8 PCT.

AMPERES SHOWN FOR 460

VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE

AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

DR. BY G. R. WEBB

CR. BY W. L. SMITH

APP. BY W. L. SMITH

DATE 04/09/15

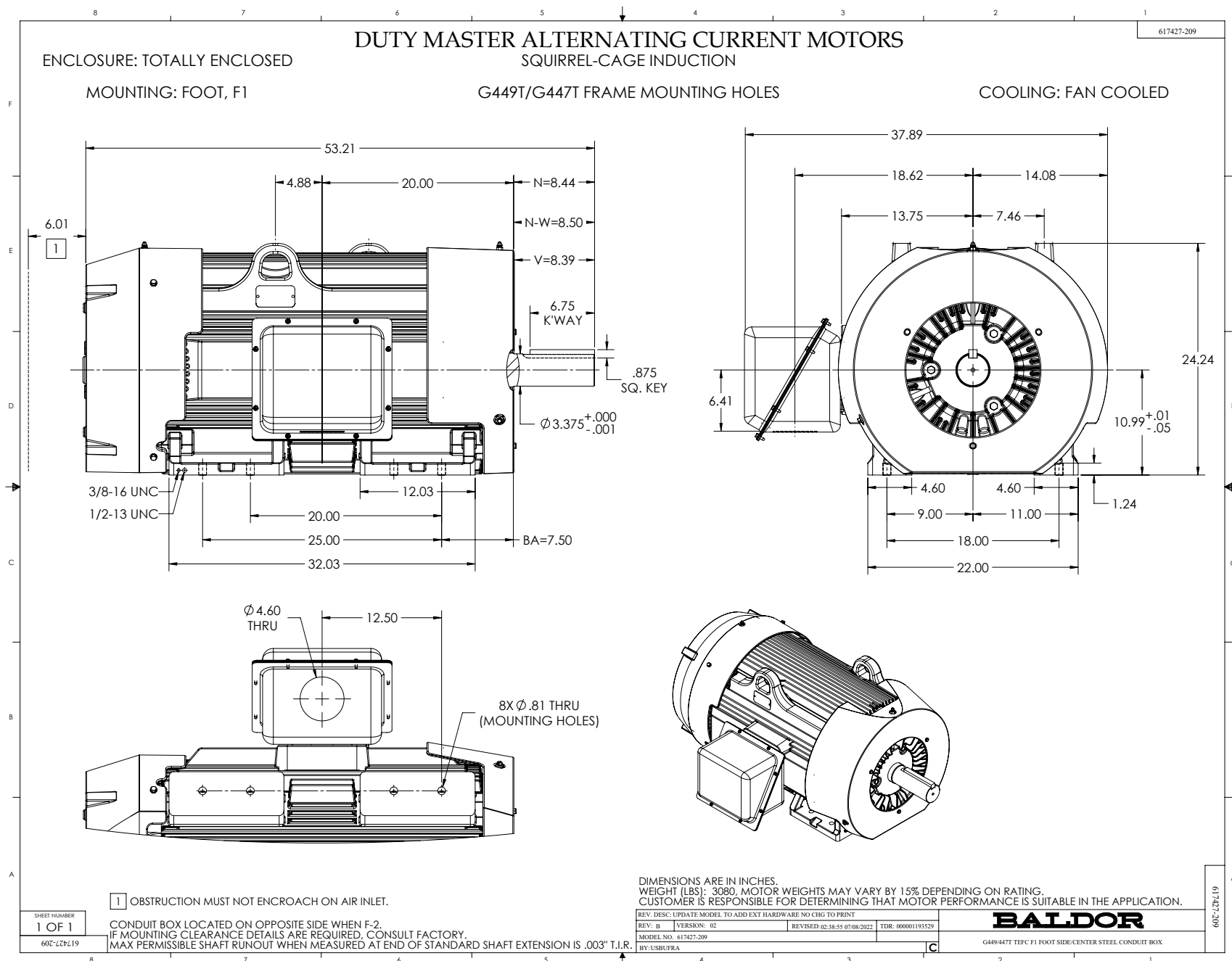
A-C MOTOR

PERFORMANCE

CURVES

A44WG4238-R001

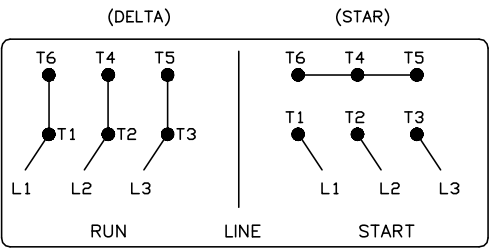
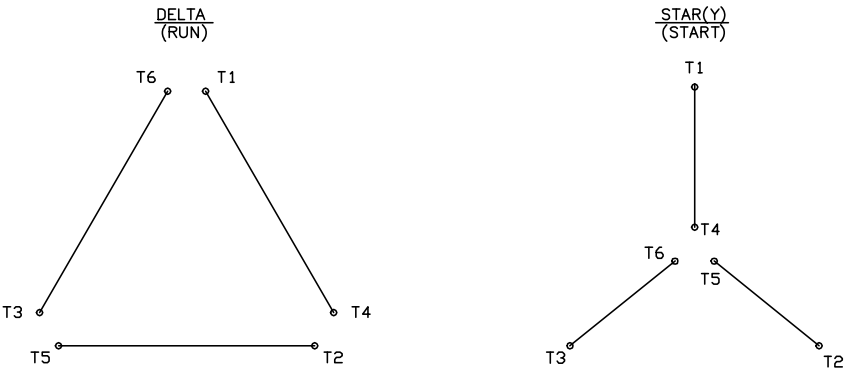
ISSUE DATE 04/04/19



416820-008

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN



< N. P. 1767-DC >

REV. DESC: ADDED T4 TO Y CONNECT DIAGRAM		
REV. LTR: D	VERSION: 04	TDR: 000000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: —		

BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN
SH 1 of 1

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