



Customer information packet

EM251302T-4

300HP, 3565RPM, 3PH, 60HZ, 447TS, A44084M, DP

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
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	300.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	3600 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	334.000 A @ 460.0 V
Design Code	B
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	334.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	G
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 2/0 AWG
Motor Standards	NEMA
Motor Type	A44084M

Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG4106
Layout	604989-483
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#2/0
Proprietary	False
Created date	02-12-2015

Mounting Arrangement	F1
Number of Poles	2
Overall Length	39.37 IN
Power Factor	88
Product Family	General Industrial
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	3565 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

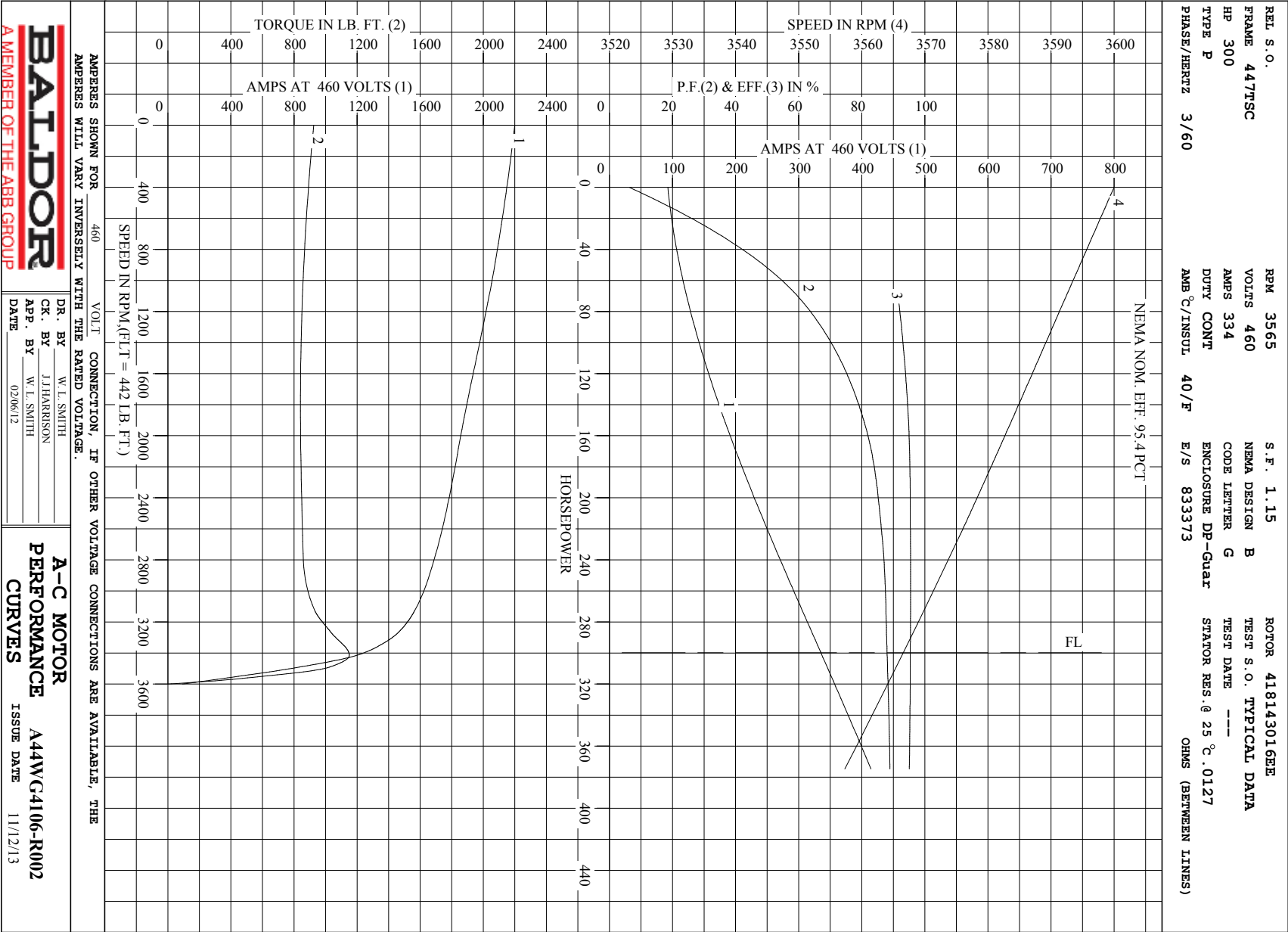
Nameplate

NP2496L	
MOBIL POLYREX EM	

NP2349L

SPEC NO.	A44-6805-4106			CAT.NO.	EM251302T-4					FRAME	447TS		
HP	300	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P			
RPM	3565	AMPS	334		HZ	60	AMB	40	SF	1.15			
DRIVE END BEARING	65BC03J30X			DUTY	CONT	INSUL.CLASS		F					
OPP D.E. BEARING	65BC03J30X			ENCL	DP	CODE	G						
SER.NO.				POWER FACTOR		88	NEMA-NOM-EFFICIENCY				95.4		
						MAX CORR KVAR		49	GUARANTEED EFFICIENCY		94.5		
						NEMA NOM/CSA QUOTED EFF							
											MOTOR WEIGHT		

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447TSC	300	P	3/60	3565	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
334	CONT	40/F	1.15	B	G	DP-Guar
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
833373	41814301GEE	---	---	.0127		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	93.0	3600	6.24	0	
1/4	75.0	124	3592	61.8	91.8	
2/4	150	184	3584	80.6	94.8	
3/4	225	256	3575	86.5	95.4	
4/4	300	334	3567	88.0	95.4	
5/4	375	415	3557	88.9	95.1	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	210	925	2200		
PULL UP	1800	190	841	1895		
BREAKDOWN	3414	261	1151	1200		
FULL LOAD	3567	100	442	334		
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE						
REMARKS: TYPICAL DATA NEMA NOM. EFF. 95.4 PCT						
BALDOR A MEMBER OF THE ABB GROUP		DR. BY W. L. SMITH CK. BY J. J. HARRISON APP. BY W. L. SMITH DATE 02/06/12		A-C MOTOR PERFORMANCE DATA A44WG4106-R002 ISSUE DATE 11/12/13		



REL. S.O.	RPM 3565	S.F. 1.15	ROTOR 418143016EE
FRAME 447TSC	VOLTS 460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 300	AMPS 334	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE DP-Guar	STATOR RES. @ 25 °C. 0127
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 833373	OHMS (BETWEEN LINES)

10 00

9

8

7

6

5

4

3

2

1.00

9

8

7

6

5

4

3

2

1.0

9

8

7

6

5

4

3

2

1

0

200

400

600

800

1000

1200

1400

TIME IN SEC.

OVERLOAD

119 C FOR OVERLOAD AND ACC.

119 C FOR LOCKED-ROTOR

LOCKED-ROTOR, 40 C

ACCELERATION

LOCKED-ROTOR

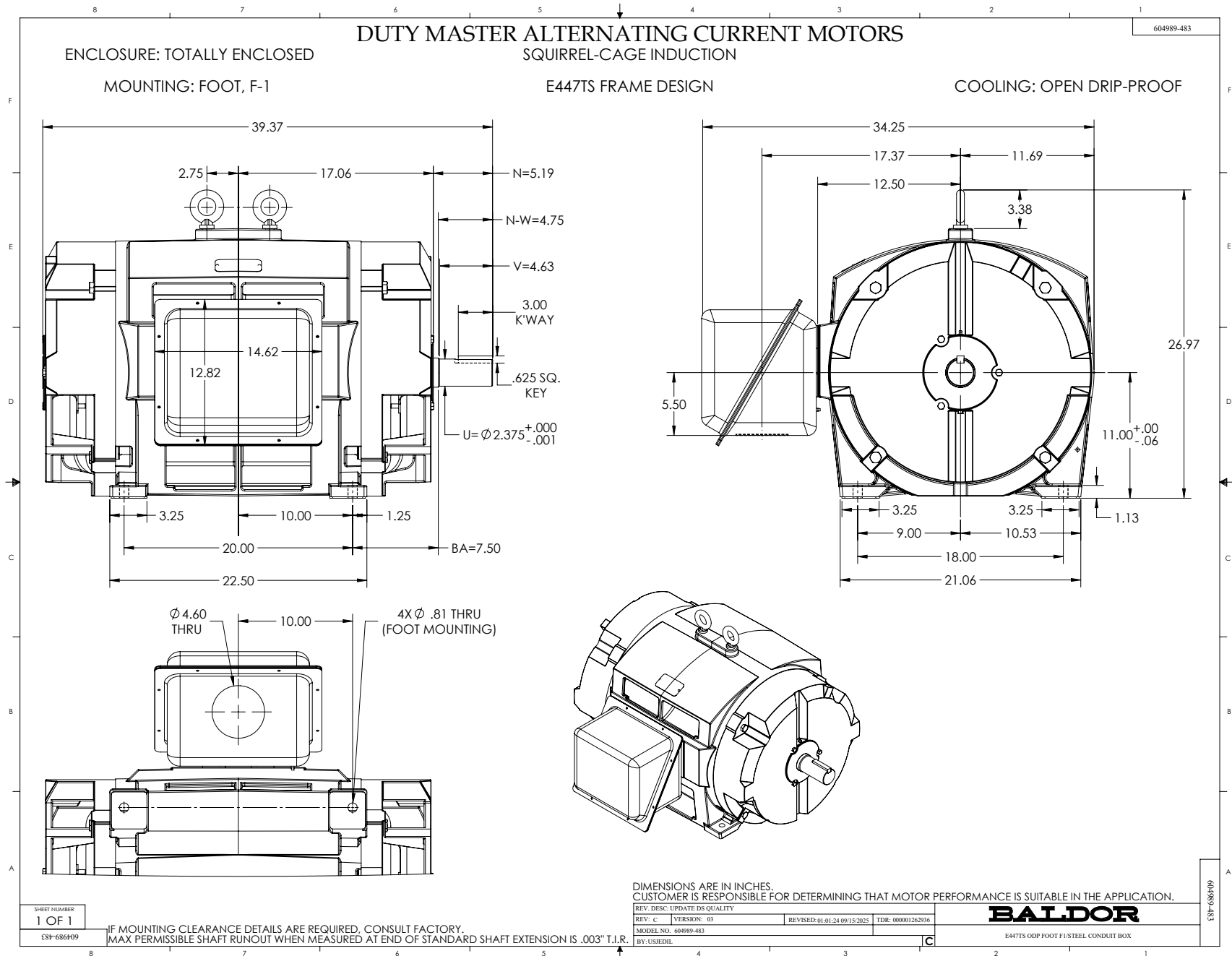
% FULL LOAD CURRENT

REMARKS: THERMAL LIMIT CURVE
NEMA NOM. EFF. 95.4 PCT

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

DR. BY W. L. SMITH	A-C MOTOR
CK. BY J. HARRISON	PERFORMANCE
APP. BY W. L. SMITH	A44WG4106-R002
DATE 02/06/12	ISSUE DATE 11/12/13

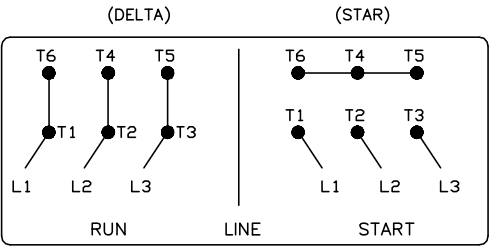
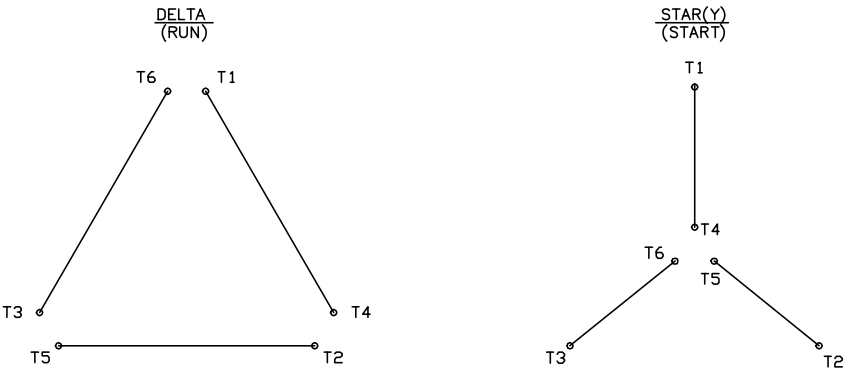
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416820-008

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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