

ABB BALDOR RELIANCE III

Customer information packet

EM251202T-4

200HP, 3565RPM, 3PH, 60HZ, 444TS, A44056M, DP

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	444TS
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	CURUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	221.000 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	221.0 a
Insulation Class	F
Inverter Code	Inverter Ready
IP Rating	NONE
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44056M

Part Detail

Revision	E
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG2691
Layout	617428-044
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	02
Leads	6#1
Proprietary	False
Created date	02-09-2015

Mounting Arrangement	F1
Number of Poles	2
Overall Length	35.88 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.	A44-6809-2691			CAT.NO.	EM251202T-4				FRAME	444TS				
HP	200	VOLTS	460		PHASE	3	DESIGN	B	TYPE	P				
RPM	3565	AMPS	221		HZ	60	AMB	40	SF	1.15				
DRIVE END BEARING	65BC03J30X			DUTY	CONT		INSUL.CLASS		F					
OPP D.E. BEARING	65BC03J30X			ENCL	DP	CODE	F							
SER.NO.				POWER FACTOR		88		NEMA-NOM-EFFICIENCY			95.4			
							MAX CORR KVAR		30		GUARANTEED EFFICIENCY		94.5	
							NEMA NOM/CSA QUOTED EFF							
													MOTOR WEIGHT	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS		
	444T	200	P	3/60	3565	460		
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.		
221	CONT	40/F	1.15	B	F	PRXE		
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)				
497748	418143-14-CE	---	---	.0299				
PERFORMANCE								
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY			
NO LOAD	0	54.8	3600	4.98	0			
1/4	50.1	73.6	3592	67.9	93.8			
2/4	100	112	3584	87.4	95.8			
3/4	150	162	3575	90.4	95.9			
4/4	200	221	3566	88.6	95.6			
5/4	250	289	3556	85.1	95.1			
SPEED TORQUE								
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES			
LOCKED ROTOR		0	143	421	1282			
PULL UP		1240	126	370	1270			
BREAKDOWN		3431	234	690	835			
FULL LOAD		3566	100	295	221			
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: XE MOTOR-CALCULATED DATA-NEMA NOM. EFF. 95.4 PCT.								
		DR. BY	J. J. HARRISON	A-C MOTOR PERFORMANCE DATA				
		CK. BY	W. L. SMITH					
		APP. BY	W. L. SMITH					
		DATE	04/29/10					
				A44WG2691-R001 ISSUE DATE 04/29/10				

REL S.O.

 RPM **3565**

 S.F. **1.15**

 ROTOR **418143-14-CE**

 FRAME **444T**

 VOLTS **460**

 NEMA DESIGN **B**

TEST S.O. ---

 HP **200**

 AMPS **221**

 CODE LETTER **F**

TEST DATE ---

 TYPE **P**

 DUTY **CONT**

 ENCLOSURE **PRXE**

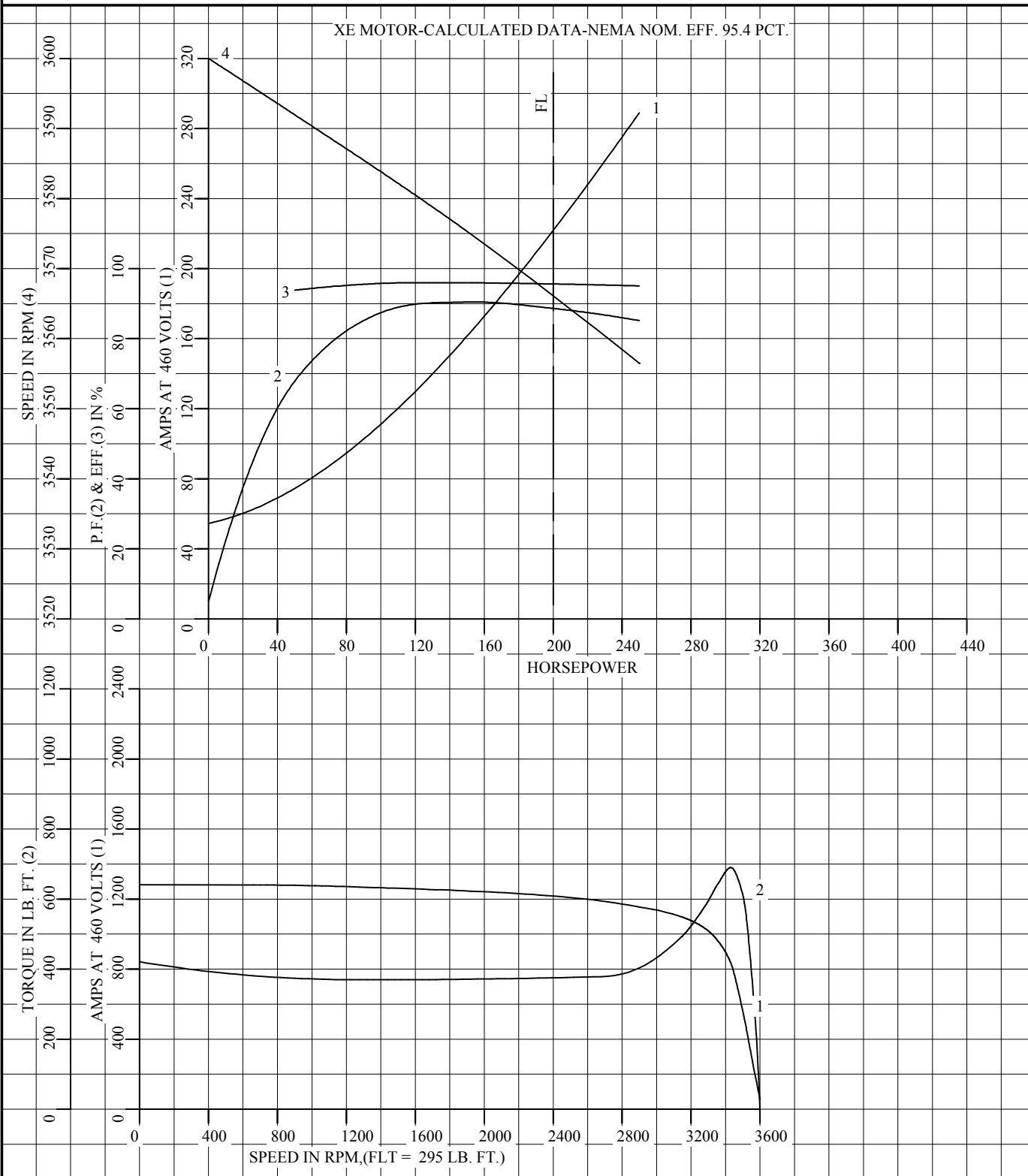
 STATOR RES. @ 25 °C **.0299**

 PHASE/HERTZ **3/60**

 AMB °C/INSUL **40/F**

 E/S **497748**

OHMS (BETWEEN LINES)



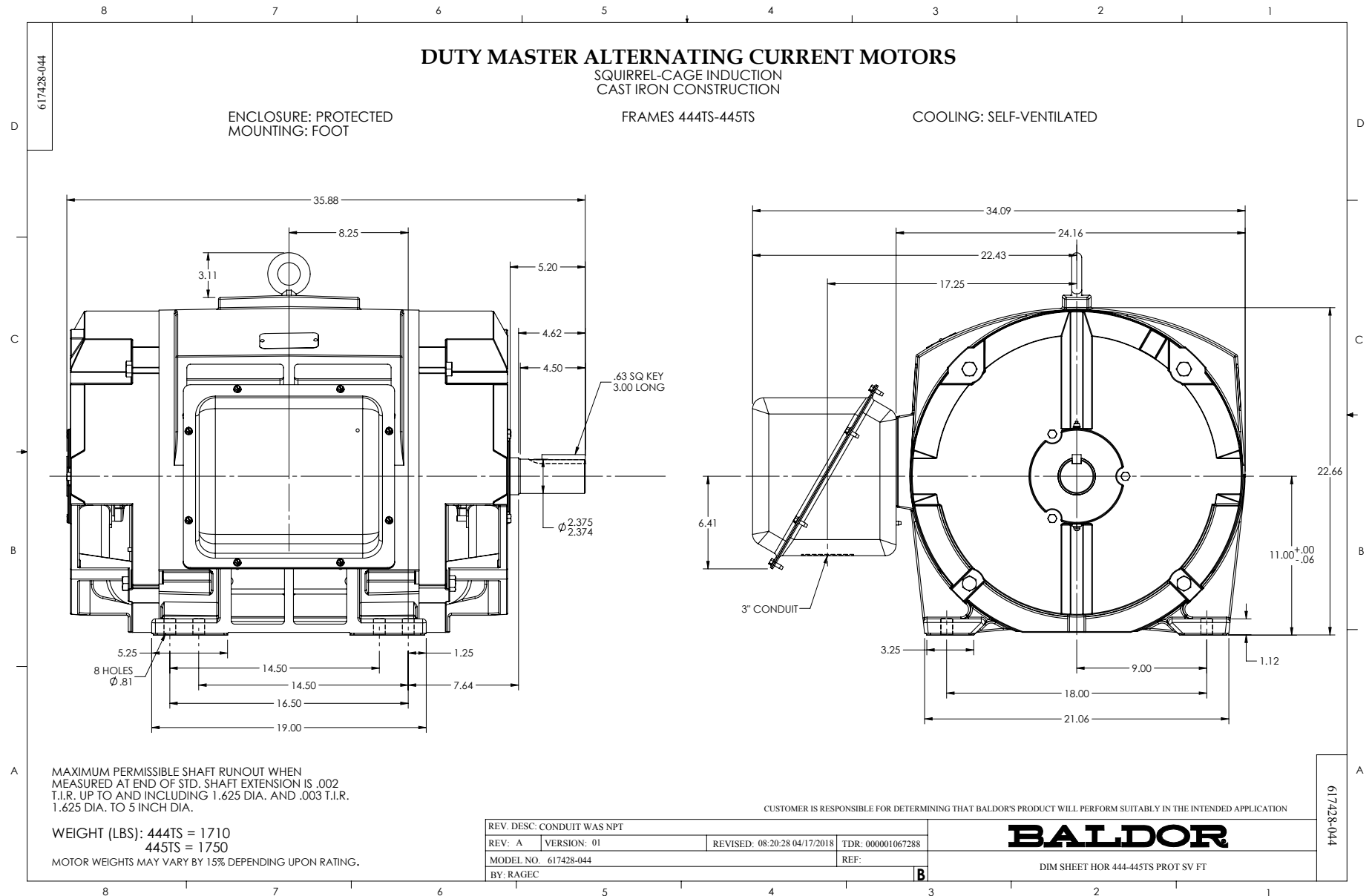
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY J.J.HARRISON
CK. BY W.L.SMITH
APP. BY W.L.SMITH
DATE 04/29/10

**A-C MOTOR
PERFORMANCE
CURVES**

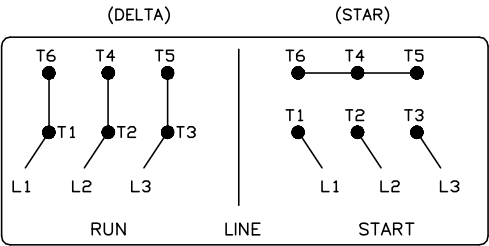
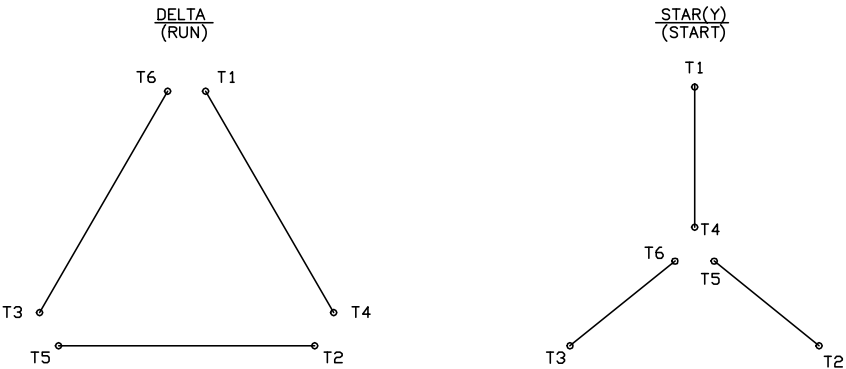
A44WG2691-R001
ISSUE DATE 04/29/10



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

416820-008