

ABB BALDOR RELIANCE III

Customer information packet

EM2564T-4

200HP, 1190RPM, 3PH, 60HZ, 447T, 18112M, OPEN

Class - None

Division - Not Applicable

Specifications

Enclosure	DP
Frame	447T
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	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
Agency Approvals	CURUSEEV CCSAUSEEV
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Current @ Voltage	232.000 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	232.0 a
Insulation Class	F
Inverter Code	Inverter Ready
KVA Code	F
Lifting Lugs	No Lifting Lugs
Motor Lead Quantity/Wire Size	6 @ 1 AWG
Motor Standards	NEMA
Motor Type	A44090M

Part Detail


Revision	M
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	A44WG1523
Layout	616508-283
Eff. date	09-25-2025
CD Diagram	416820-008
Poles	06
Leads	6#1
Proprietary	False
Created date	10-19-2010

Mounting Arrangement	F1
Number of Poles	6
Overall Length	43.06 IN
Power Factor	84
Pulley End Bearing Type	Ball
Pulley Face Code	C-Face
Service Factor	1.15
Shaft Diameter	3.375 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1190 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None

Nameplate

NP2377L

CAT.NO.	EM2564T-4	SPEC NO.	P44G4512						
HP	200	AMPS	232	VOLTS	460	DESIGN	B		
FRAME	447T	RPM	1190	HZ	60	AMB	40	SF	1.15
DRIVE END BEARING	90BC03J30X	PHASE	3	DUTY	CONT	INSUL.CLASS	F		
OPP D.E. BEARING	90BC03J30X	TYPE	P	ENCL	DP	CODE	F		
SER.NO.		POWER FACTOR	84	NEMA-NOM-EFFICIENCY	95.4				
		MAX CORR KVAR	40.0	GUARANTEED EFFICIENCY	94.5				
		NEMA NOM/CSA QUOTED EFF							
		MOTOR WEIGHT							

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	447T	200	P	3/60	1190	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
232	CONT	40/F	1.15	B	F	PROT
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
401620	418143-81-CE	---	---	.0268		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY	
NO LOAD	0	86.5	1200	3.27	0	
1/4	50.1	102	1197	49.0	93.7	
2/4	100	137	1194	71.5	95.7	
3/4	150	182	1191	80.7	95.9	
4/4	200	232	1188	84.5	95.5	
5/4	250	287	1184	85.7	95.0	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR		0	140	1238	1401	
PULL UP		240	130	1149	1360	
BREAKDOWN		1143	240	2122	778	
FULL LOAD		1188	100	884	232	
<p>AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE</p> <p>REMARKS: TYPICAL DATA XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT.</p>						
		DR. BY <u>C.R. THOMPSON</u> CK. BY <u>K.W. KANOUFF</u> APP. BY <u>K.W. KANOUFF</u> DATE <u>12/20/95</u>			A-C MOTOR PERFORMANCE A44WG1523-R001 DATA	
					ISSUE DATE 12/18/10	

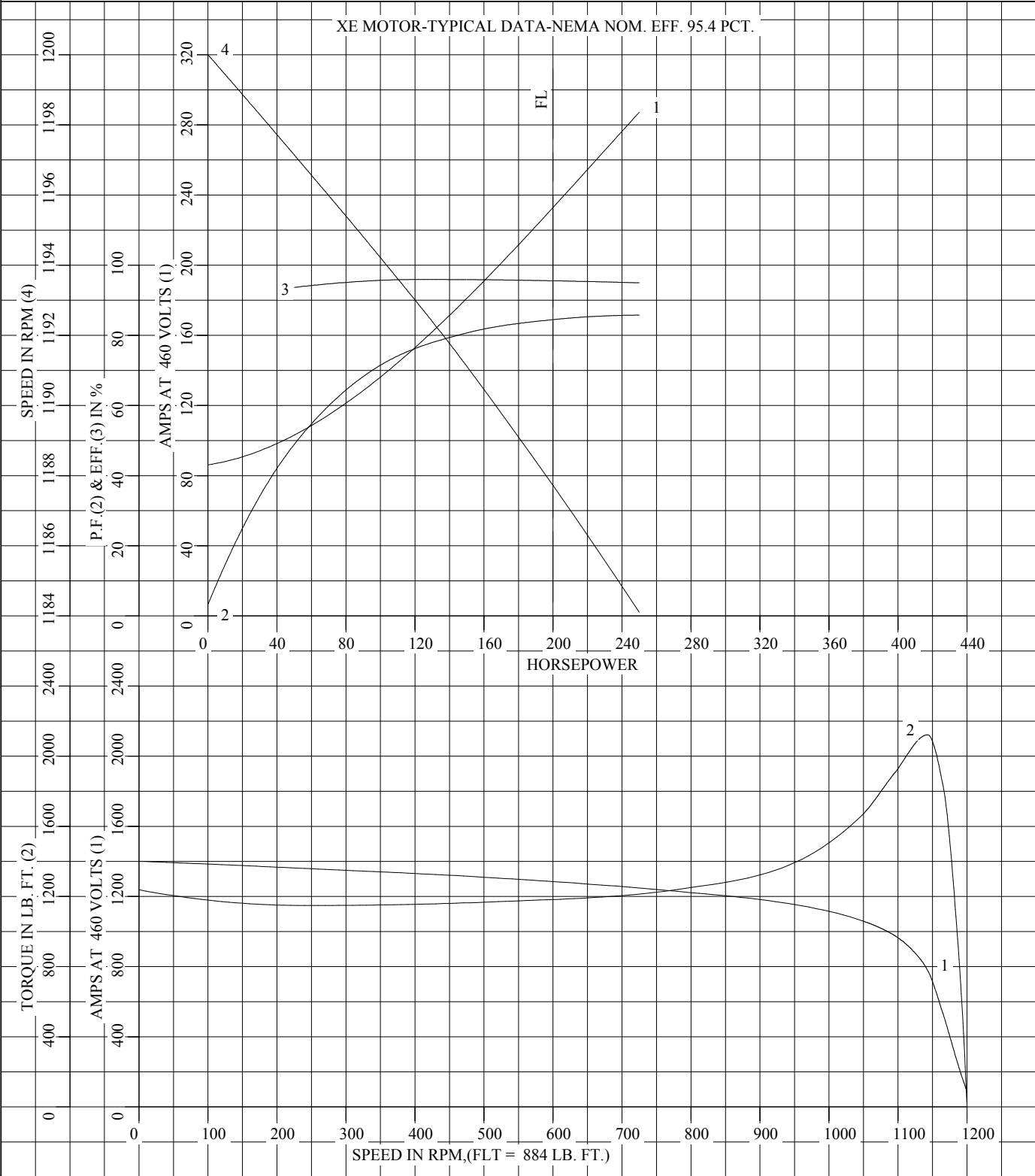
FRAME 447T
HP 200
TYPE P
PHASE/HERTZ 3/60

RPM 1190
VOLTS 460
AMPS 232
DUTY CONT
AMB °C/INSUL 40/F

NEMA DESIGN B
CODE LETTER F
ENCLOSURE PROT
E/S 401620

TEST S.O. TYPICAL DATA
TEST DATE ---
STATOR RES. @ 25 °C .0268
OHMS (BETWEEN LINES)

XE MOTOR-TYPICAL DATA-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 C.R. THOMPSON
CK. BY K.W. KANOUFF
APP. BY K.W. KANOUFF
DATE 12/20/95

**A-C MOTOR
PERFORMANCE CURVES** A44WG1523-R001
ISSUE DATE 12/18/10

REL. S.O.

RPM 1190

S.F. 1.15

ROTOR 418143-81-CE

FRAME 447T

VOLTS 460

NEMA DESIGN B

TEST S.O. TYPICAL DATA

HP 200

AMPS 232

CODE LETTER F

TEST DATE ---

TYPE P

DUTY CONT

ENCLOSURE PROT

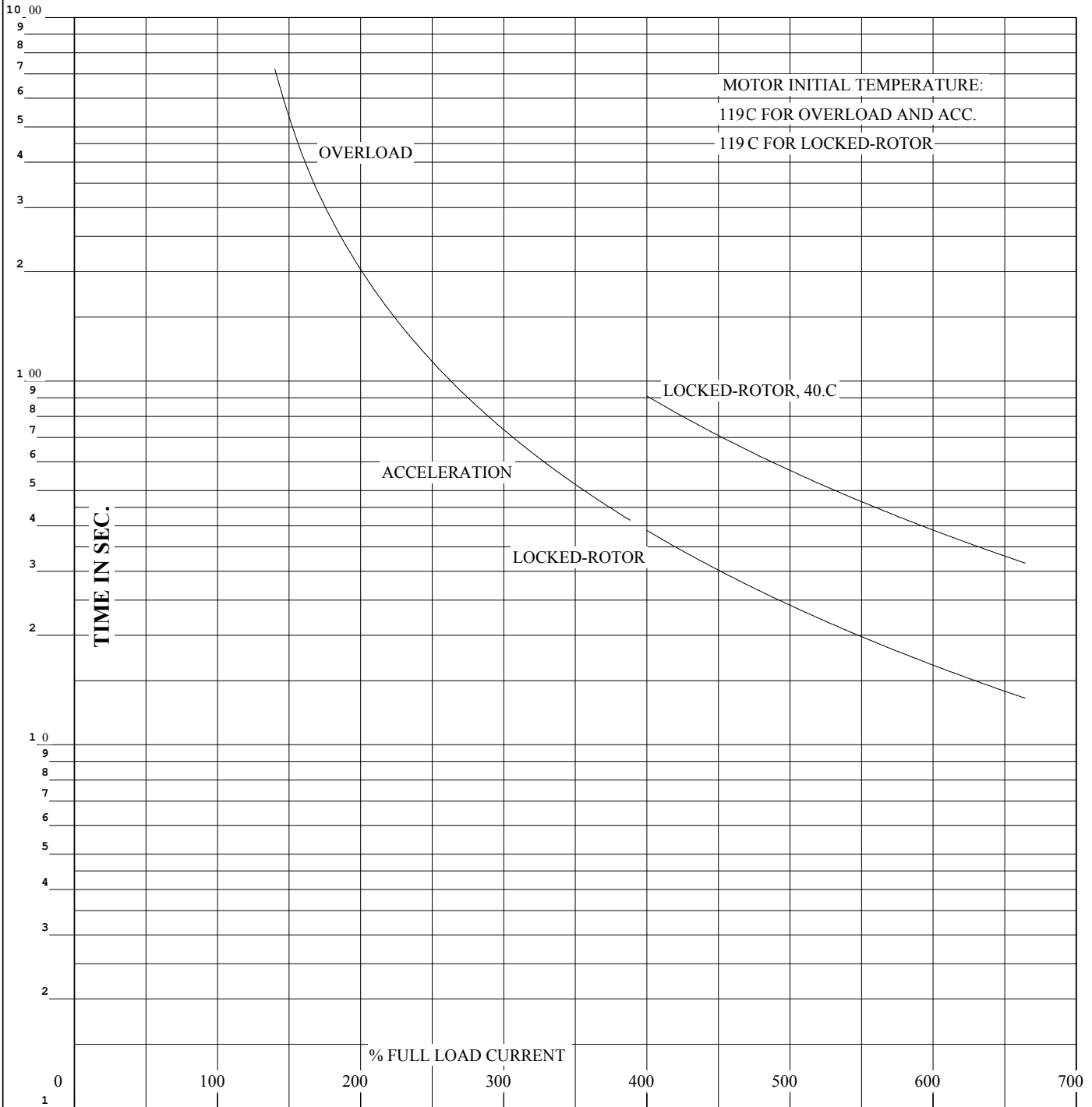
STATOR RES. @ 25 °C .0268

PHASE/HERTZ 3/60

AMB °C/INSUL 40/F

E/S 401620

OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR-TYPICAL DATA-NEMA NOM. EFF. 95.4 PCT.

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**A-C MOTOR
PERFORMANCE CURVES** A44WG1523-R001
ISSUE DATE 12/18/10

616508-283

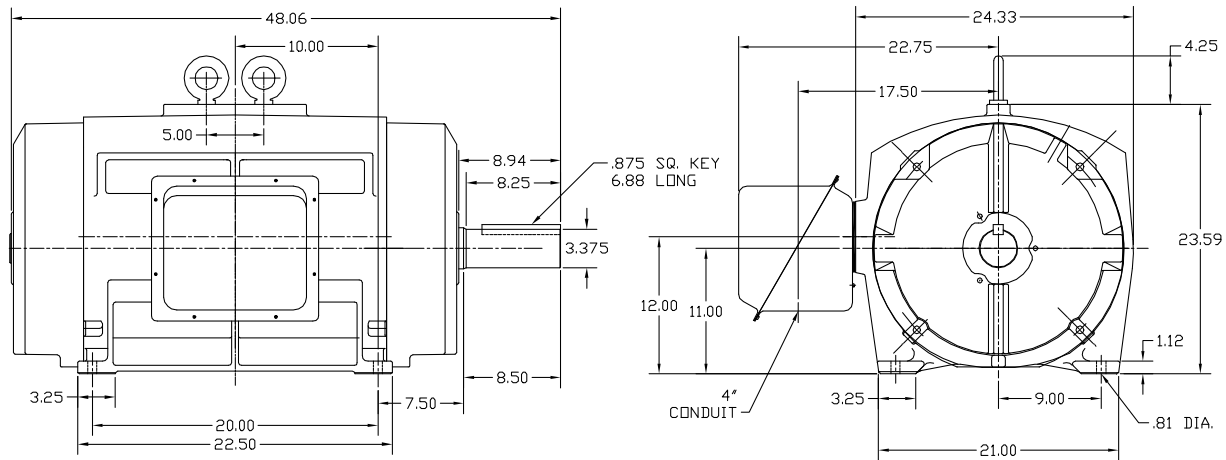
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF VENTILATED

FRAME 447T
F-1 MOUNTING



SCALED DRAWINGG
SEE 604989-50 FOR COMPLETE DIMENSIONS

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: DRAWING ERROR. UPDATE ENCLOSURE TO PROTECTED		
REV. LTR: A	VERSION: 01	TDR: 000001079083
FILE: \RAG\00020\619	REVISED: 03:22:32 07/23/2018	BY: RAG/JSS1
MTL: -		

BALDOR - RELIANCE®

DIM SHT 447T ODP FT ABOVE NEMA

SH 1 of 1

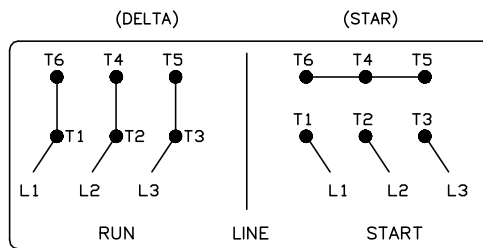
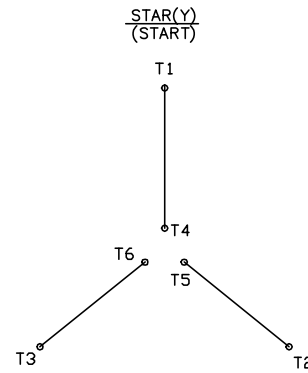
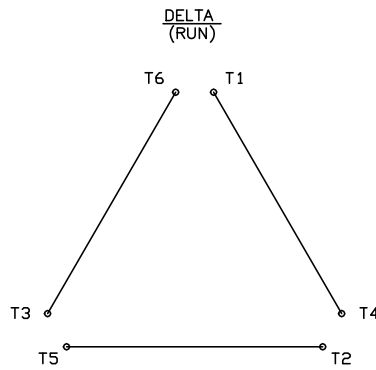
616508-283

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		
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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