

**BALDOR® • RELIANCE** 

**Product Information Packet**

**EM2564T-4**

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

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	A44WG1523	CD Diagram:	416820-008	Mfg Plant:	
Mech. Spec:		Layout:	616508-283	Poles:	06	Created Date:	10-19-2010
Base:		Eff. Date:	02-24-2017	Leads:	6#1		

Specs			
Catalog Number:	EM2564T-4	Heater Indicator:	No Heater
Enclosure:	DP	Insulation Class:	F
Frame:	447T	Inverter Code:	Inverter Ready
Frame Material:	Iron	KVA Code:	F
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	200.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 1 AWG
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	Motor Type:	A44090M
Voltage @ Frequency:	460.0 V @ 60 HZ	Mounting Arrangement:	F1
XP Class and Group:	None	Power Factor:	84
XP Division:	Not Applicable	Pulley End Bearing Type:	Ball
Agency Approvals:	CCSAUSEEV	Pulley Face Code:	C-Face
Auxillary Box:	No Auxillary Box	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Slinger Indicator:	No Slinger
Current @ Voltage:	232.000 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Wye Start - Delta Run
Duty Rating:	CONT	Thermal Device - Bearing:	None

<b>Feedback Device:</b>	NO FEEDBACK	<b>Thermal Device - Winding:</b>	None
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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	1827						

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

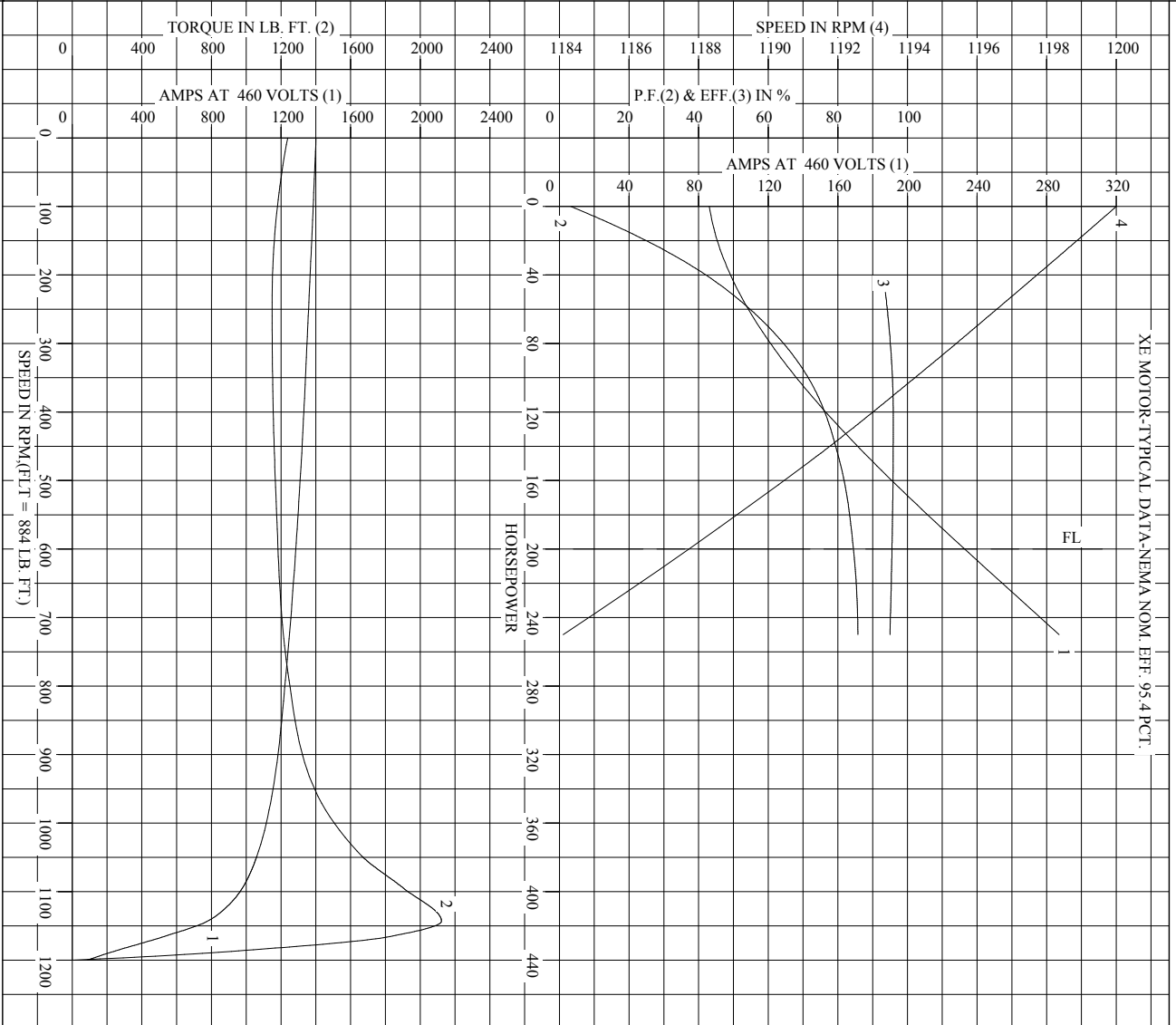
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	140	1238	1401
PULL UP	240	130	1149	1360
BREAKDOWN	1143	240	2122	778
FULL LOAD	1188	100	884	232

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

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

<b>BALDOR</b>	DR. BY C.R. THOMPSON	<b>A-C MOTOR</b>
	CK. BY K.W. KANOUFF	
	APP. BY K.W. KANOUFF	<b>PERFORMANCE DATA</b>
	DATE 12/20/95	ISSUE DATE 12/18/10

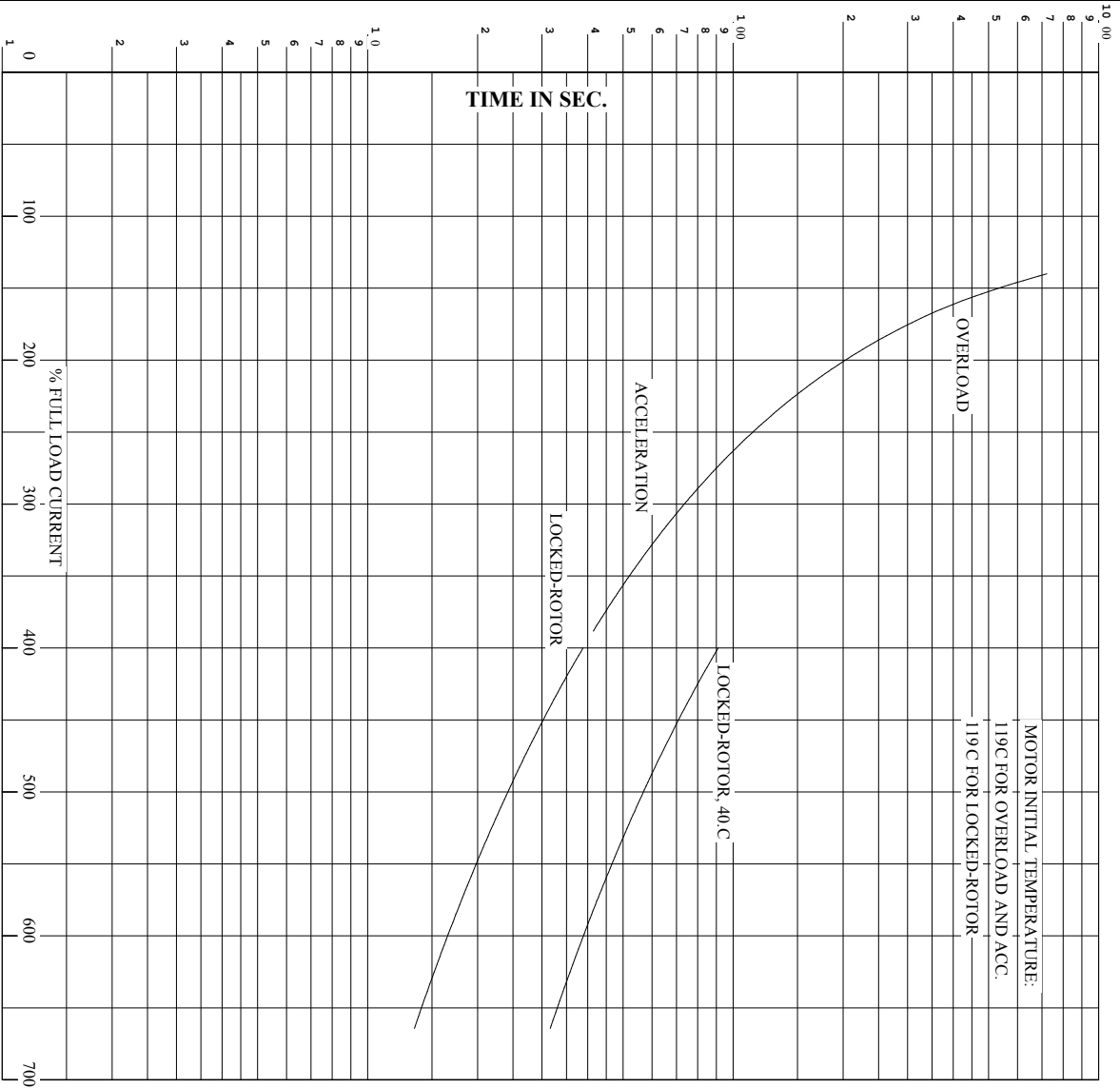
REL. S. O.	447T	RPM	1190	S.F.	1.15	ROTOR	418143-81-CE
FRAME	200	VOLTS	460	NEMA DESIGN	B	TEST S. O.	TYPICAL DATA
HP	200	AMPS	232	CODE LETTER	F	TEST DATE	---
TYPE	P	DUTY CONT		ENCLOSURE PROT		STATOR RES. @ 25 °C	.0268
PHASE/HERTZ	3/60	AMB °C/INSUL	40/F	E/S	401620	OHMS (BETWEEN LINES)	



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

BALDOR	DR. BY	CR THOMPSON	<b>A-C MOTOR PERFORMANCE CURVES</b> A44WG1523-R001 ISSUE DATE 12/18/10
	CK. BY	K.W. KANDUPE	
	APP. BY	K.W. KANDUPE	
	DATE	12/20/05	

RET. 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. 0.268  
 PHASE/HERTZ 3/60 AMB °C/INSUL 40/F E/S 401620 OHS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE  
 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.

<b>BALDOR</b>	DR. BY	C.R. THOMPSON	<b>A-C MOTOR</b>
	CHK. BY	K.W. KANOLFF	
	APP. BY	K.W. KANOLFF	<b>PERFORMANCE</b>
	DATE	12/20/95	<b>CURVES</b>
			A44WG1523-R001
			ISSUE DATE 12/18/10

# DUTY MASTER ALTERNATING CURRENT MOTORS

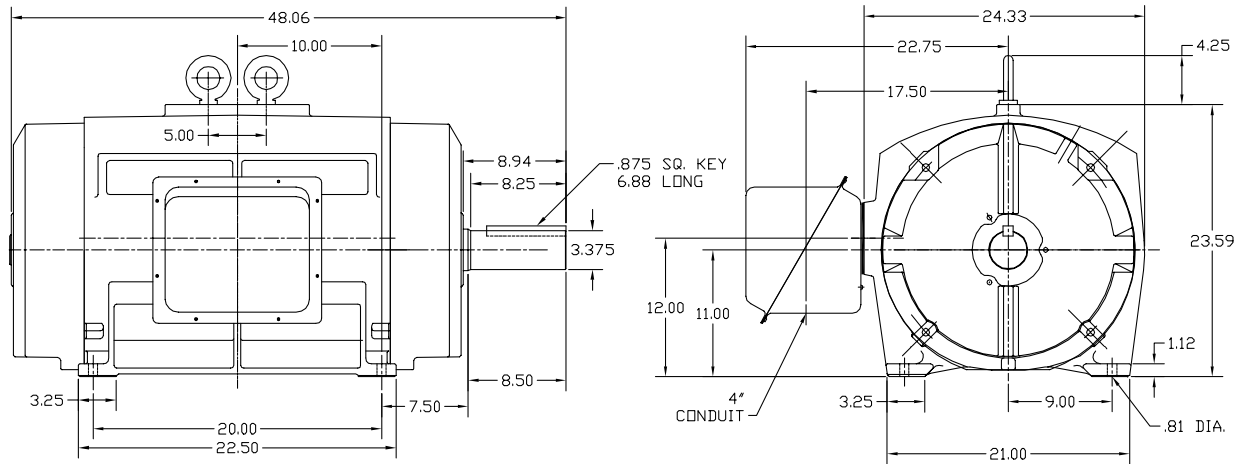
SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED  
MOUNTING: FOOT

COOLING: SELF VENTILATED

FRAME 447T  
F-1 MOUNTING

616508-283



SCALED DRAWINGG  
SEE 604989-50 FOR COMPLETE DIMENSIONS

616508-283

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: RAGJSS1
MTL: -		

**BALDOR - RELIANCE**®

DIM SHT 447T ODP FT ABOVE NEMA

SH 1 of 1

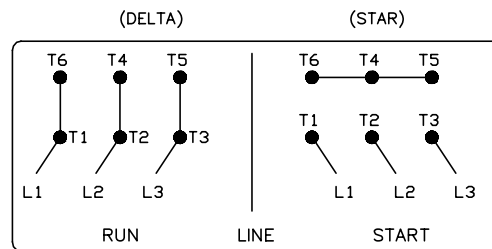
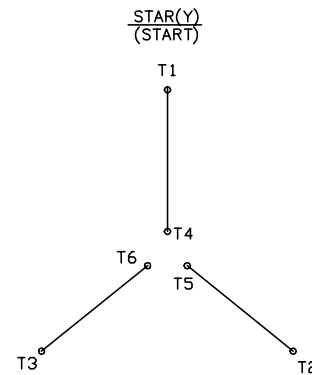
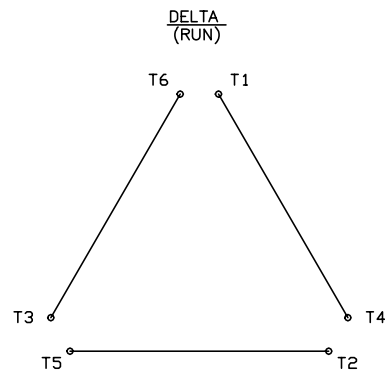


416820-008

# 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: 00000847713
FILE: \RAG\00001\808	REVISED: 10: 41: 26 04/08/2014	BY: RAGJSS1
MTL: -	Ⓢ □	



CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

416820-008