



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	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
Mounting Arrangement	F1

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

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

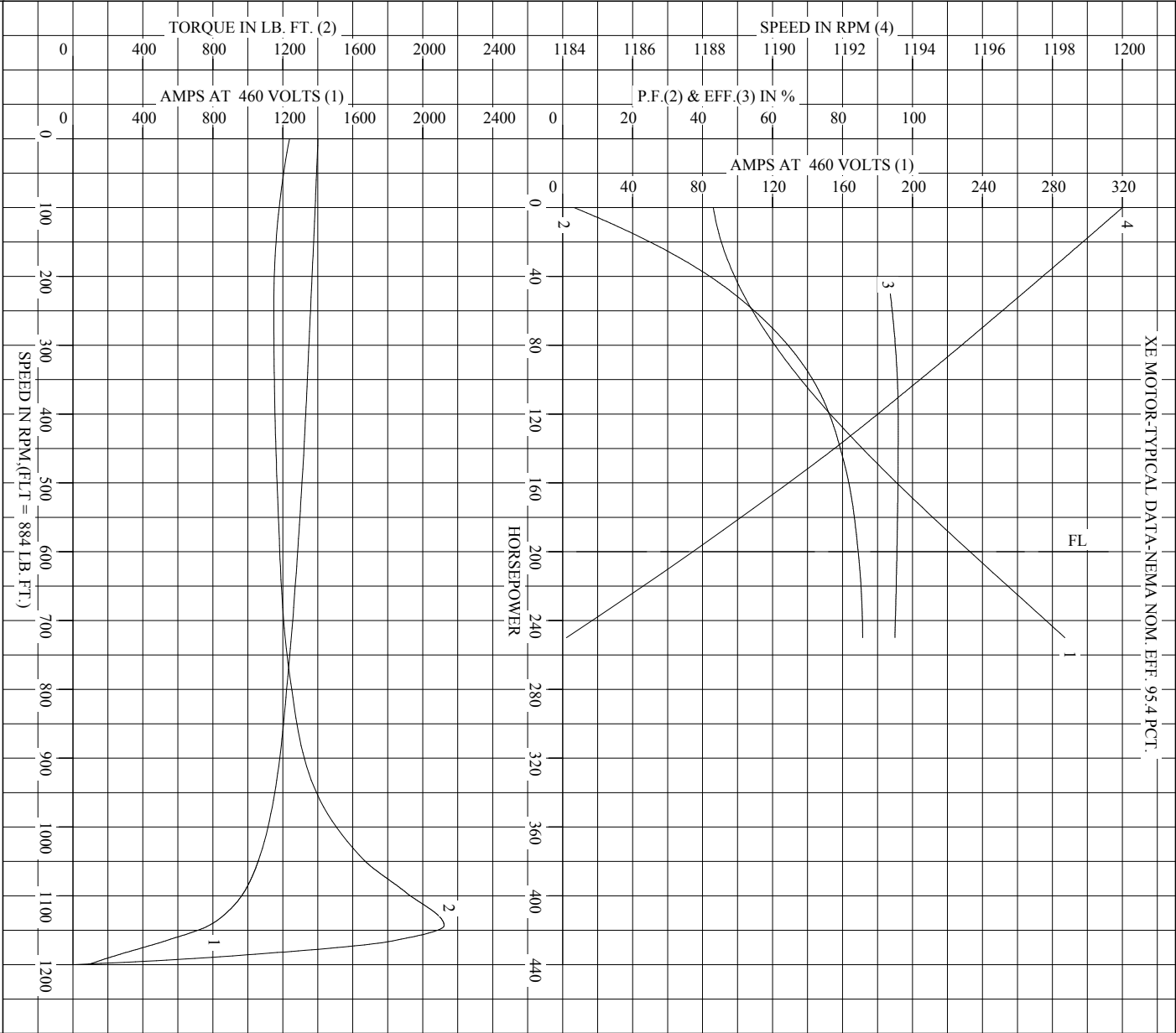
Nameplate

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				

Printed on 12/18/10 6:31 @ psecs-motorer

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)



AMPERES SHOWN FOR 460 VOLTS 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. KANOLIF
APP. BY K.W. KANOLIF
DATE 12/20/05

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

REL. S.O. FRAME 447T HP 200 TYPE P PHASE/HERTZ 3/60	RPM 1190 VOLTS 460 AMPS 232 DUTY CONT AMB °C/INSUL 40/F	S.F. 1.15 NEMA DESIGN B CODE LETTER F ENCLOSURE PROT E/S 401620	ROTOR 418143-81-CE TEST S.O. TYPICAL DATA TEST DATE --- STATOR RES. @ 25 °C. 0268 OHMS (BETWEEN LINES)
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10 00

9

8

7

6

5

4

3

2

1.00

0.9

0.8

0.7

0.6

0.5

0.4

0.3

0.2

0.1

0

0

100

200

300

400

500

600

700

TIME IN SEC.

OVERLOAD

ACCELERATION

LOCKED-ROTOR

LOCKED-ROTOR, 40°C

MOTOR INITIAL TEMPERATURE:
119C FOR OVERLOAD AND ACC.
119 C FOR LOCKED-ROTOR

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.

DR. BY	C.R. THOMPSON
CK. BY	K.W. KANOUE
APP. BY	K.W. KANOUE
DATE	12/20/95

A-C MOTOR

PERFORMANCE

CURVES

A44WG1523-R001

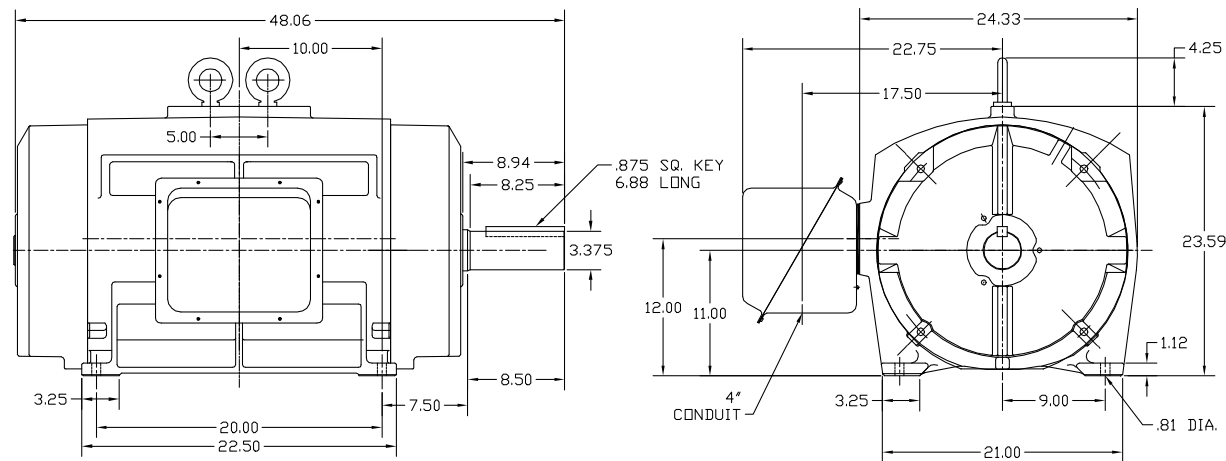
ISSUE DATE 12/8/10

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF VENTILATED

FRAME 447T
F-1 MOUNTINGSCALED DRAWING
SEE 6049B9-50 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	VERSION: 01	TDR: 000001079083
REV. LTR: A	FILE: \RAG\00020\619	BY: RAG/JSS
MTL: -	REVISED: 03:22:32 07/23/2018	

BALDOR - RELIANCE®

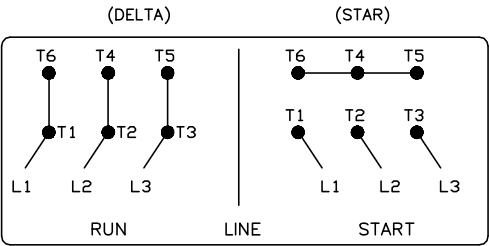
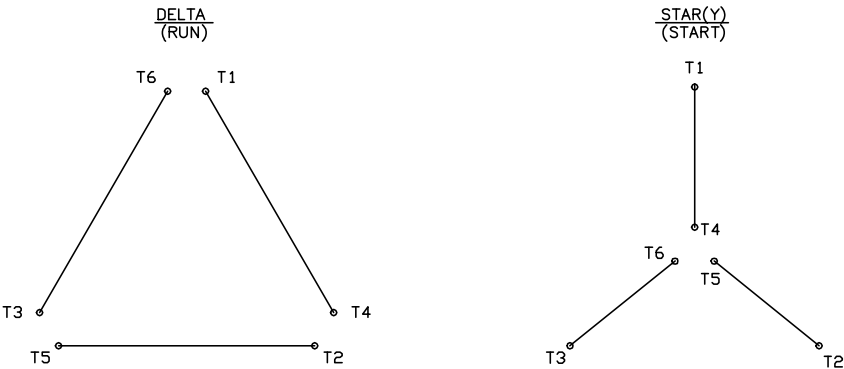
DIM SHT 447T ODP FT ABOVE NEMA

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: 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