ABB BALDOR RELIANCE

Customer information packet

EM2564T-4

200HP, 1190RPM, 3PH, 60HZ, 447T, 18112M, OPEN
Class - None
Division - Not Applicable

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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							

Parts List

Part number	Description	Quantity
SA209272	SA P44G4512	1.000 ea
RA196534	RA P44G4512	1.000 ea
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 ea
000692000FF	N/P	1.000 ea
000692000VD	LABEL WARNING	1.000 ea
NP2377L	SS SUPER-E, CC, CURUS ENERGY (LASER)	1.000 ea
421948044	LABEL, MYLAR	1.000 ea
004824015A	GREASE POLYREX EM	1.156 lb
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 ea
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 ea
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 ea
034000012AB	WSHR 1/4 STD. PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
089439051A	BRKT 440 089439051WCB	1.000 ea
418151014G	RETAIN RING	1.000 ea
089439051A	BRKT 440 089439051WCB	1.000 ea
702611001A	BAFFL 440 SUB PAINT	1.000 ea
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 ea
032018028EK	HHCS 5/8-11X3-1/2L PLTD	4.000 ea
032018036DK	HHCS 1/2-13X4-1/2 PLTD.	3.000 ea
034000012AB	WSHR 1/4 STD. PLATED	4.000 ea
034017012AB	LCKW 1/4 STD. PLATED 034017012AF	4.000 ea
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 ea
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 ea
410700004A	WSHR	1.000 ea
702611001A	BAFFL 440 SUB PAINT	1.000 ea
032018008DK	HHCS 1/2-13X1 PLATED	4.000 ea
033512006LB	HHTTS 1/4-20X3/4 PLTD.	8.000 ea
035000001A	ALFTG 1/8" 1610-BL	1.000 ea

035000001A	ALFTG 1/8" 1610-BL	1.000 ea
048897010DJ	BUSH - 445	1.000 ea
406056008A	GASKET, TERBD 440	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
418150003A	GREASE FITTING CAP	1.000 ea
418153001A	GASK 440	1.000 ea
702658001B	+C/BOX, PAINTED 440	1.000 ea
702658002A	+C/BOX CVR, PAINTED 440	1.000 ea
MG1025Y17	WILKOFAST, 789.701, SUPER E PEARL GOLD	0.375 ga
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 ea
034180054KA	7/8 SQ X 6.75 KEY	1.000 ea
415000115H	T/LUG #2AWG-4/0AWG	1.000 ea
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 ea

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.

BALDOR

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

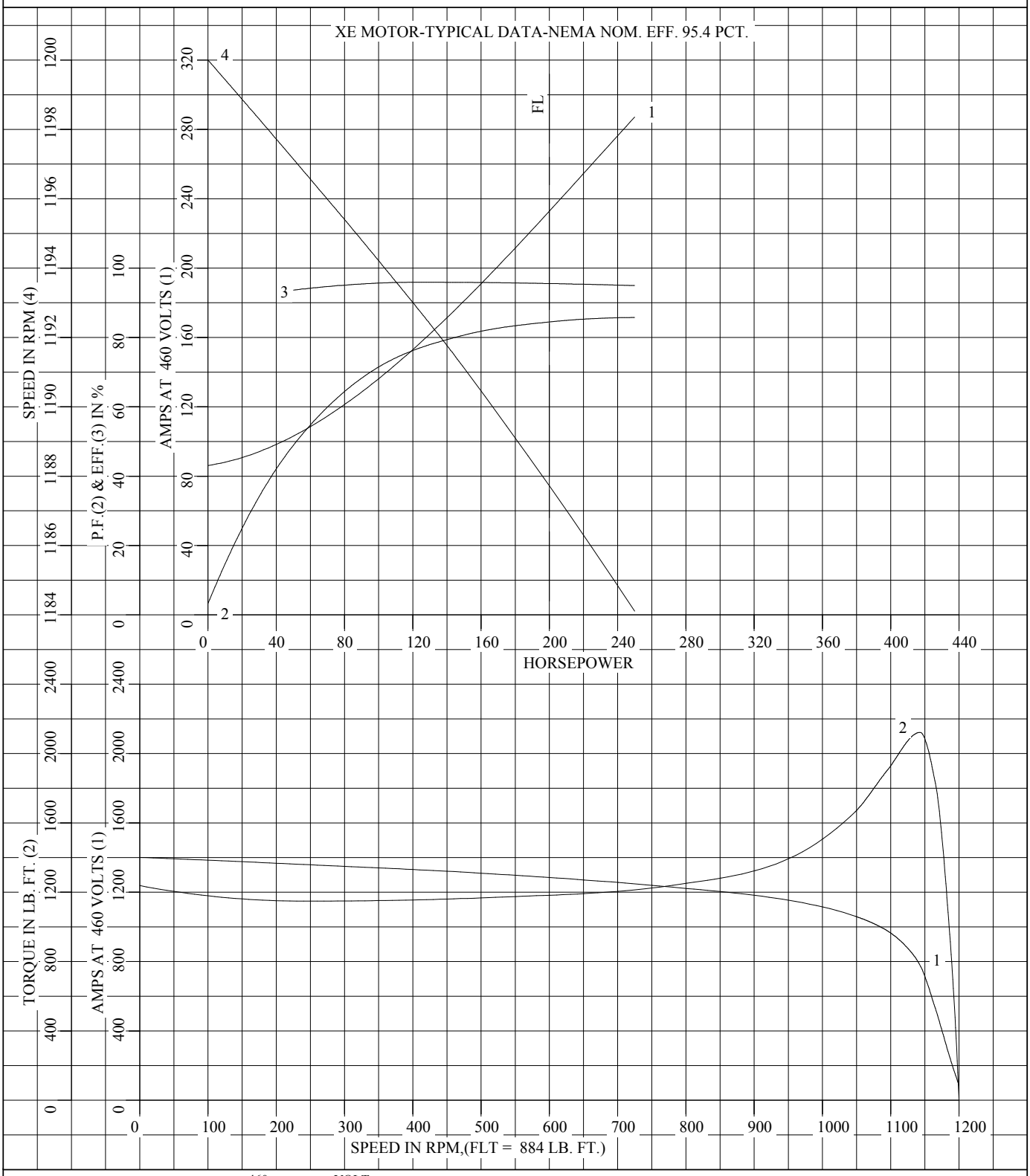
A-C MOTOR PERFORMANCE DATA

A44WG1523-R001
ISSUE DATE 12/18/10

ABB BALDOR RELIANCE

CUSTOMER INFORMATION PACKET EM2564T-4 - 200HP, 1190RPM, 3PH, 60HZ, 447T, 18112M, OPEN

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



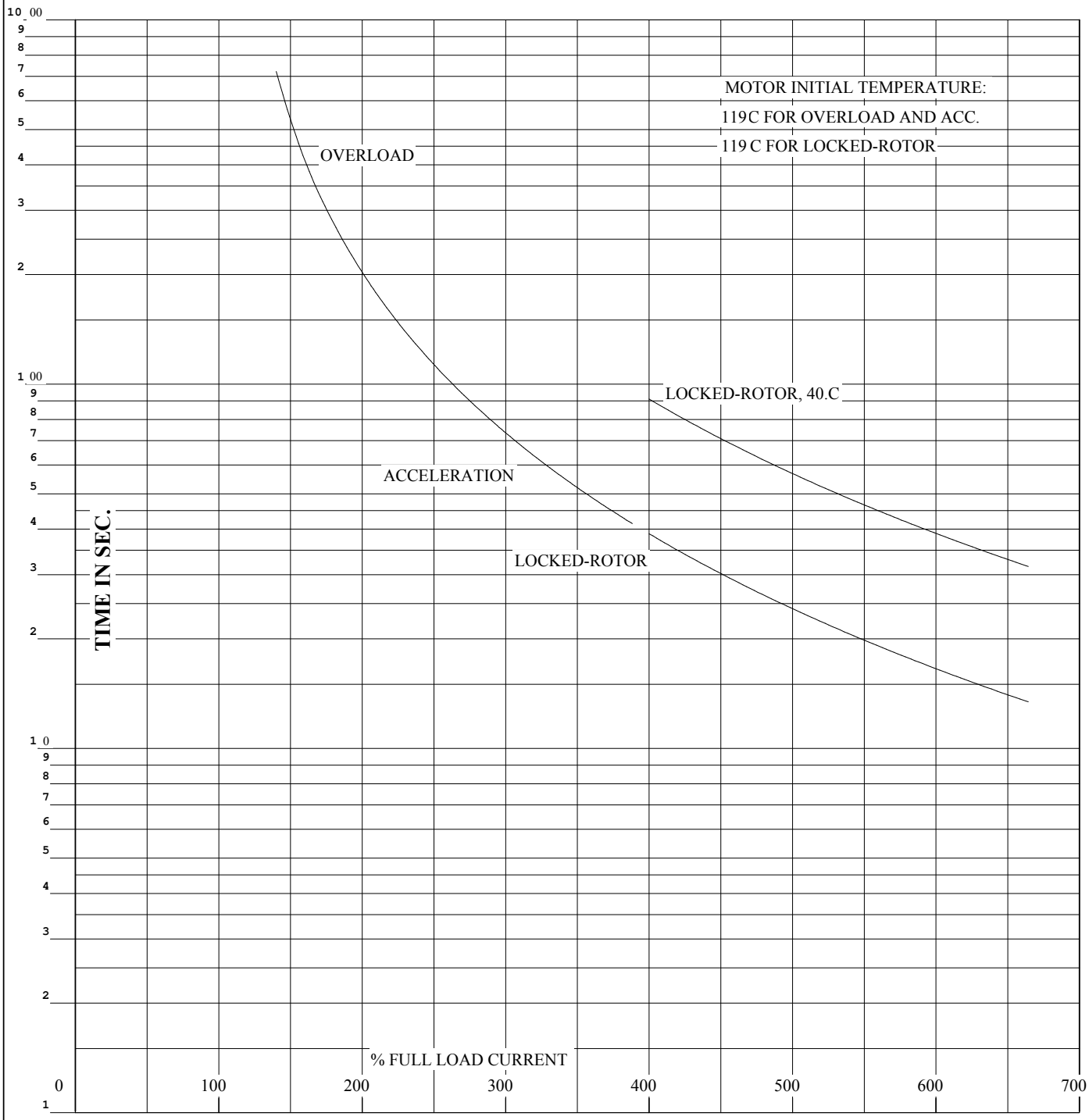
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

BALDOR

DR. BY	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.

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

BALDOR

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

616508-283

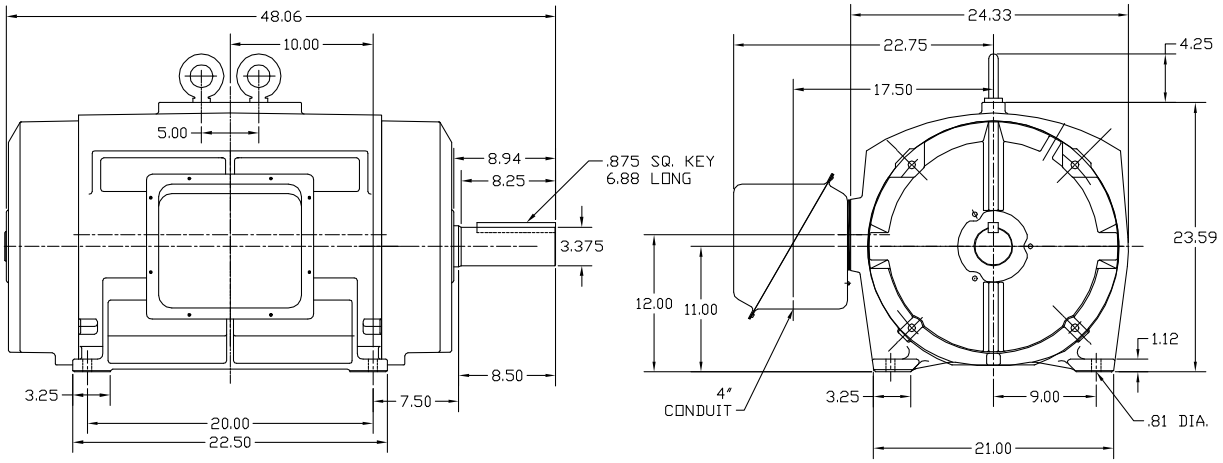
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF VENTILATED

FRAME 447T
F-1 MOUNTING



SCALED DRAWINGG
SEE 604989-50 FOR COMPLETE DIMENSIONS

616508-283

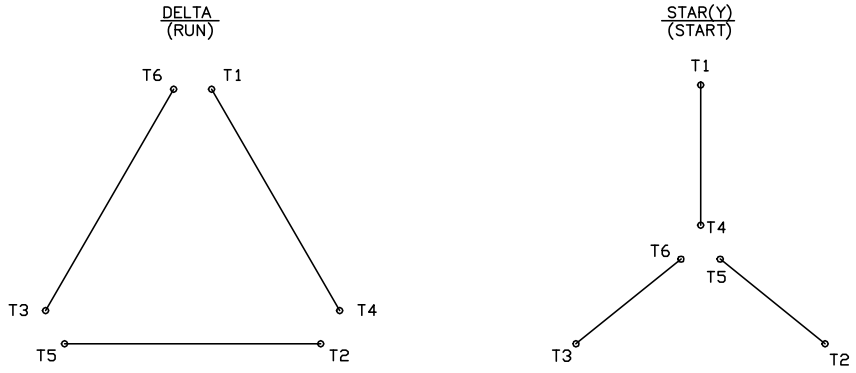
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

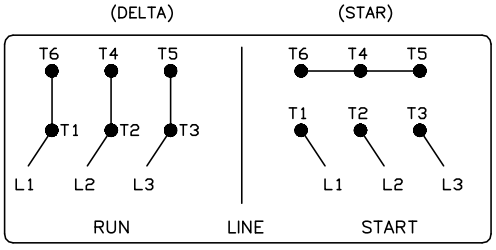
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MTL: -		DIM SHT 447T ODP FT ABOVE NEMA
		SH 1 of 1

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

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