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							

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

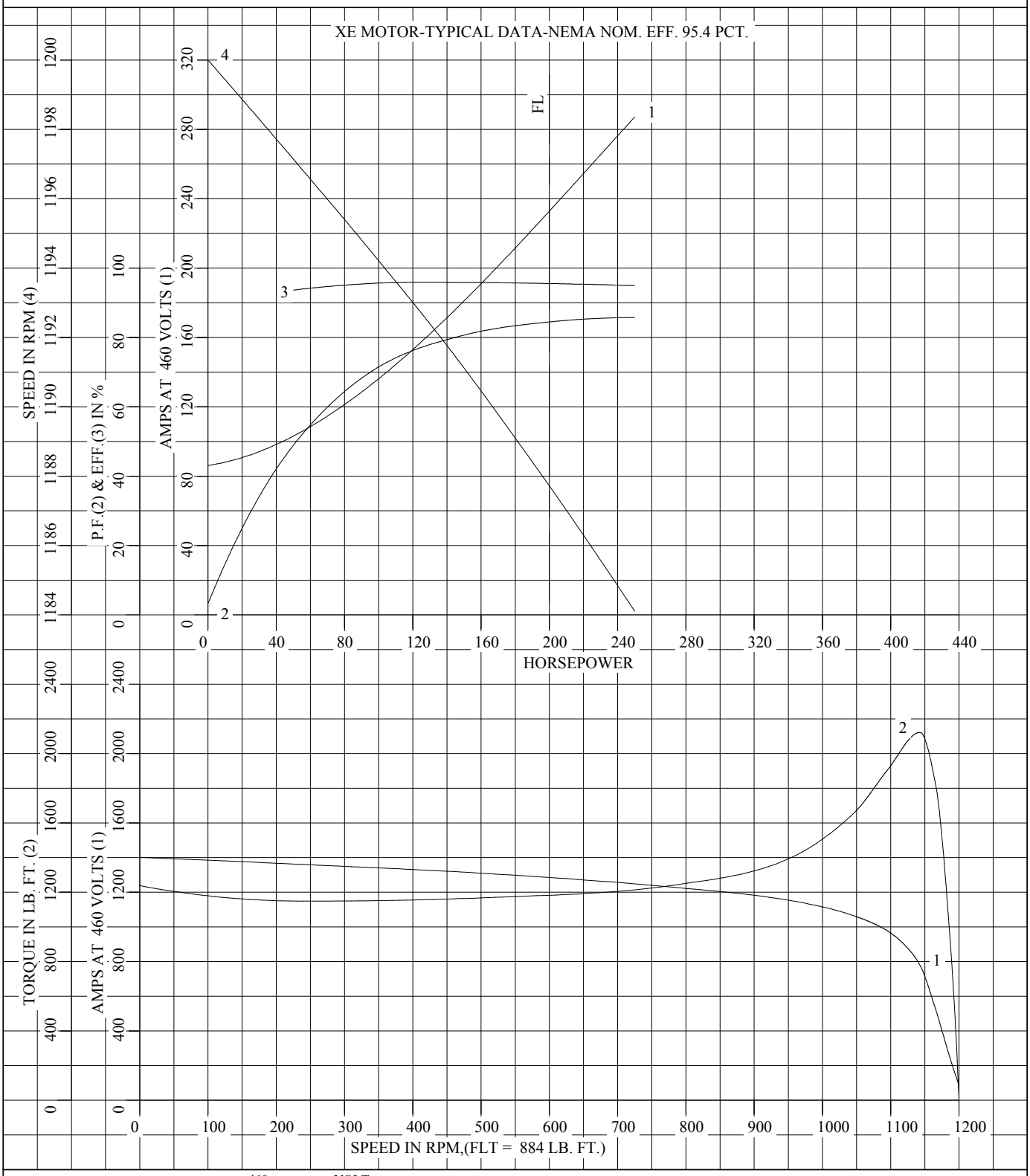
A-C MOTOR PERFORMANCE DATA

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.

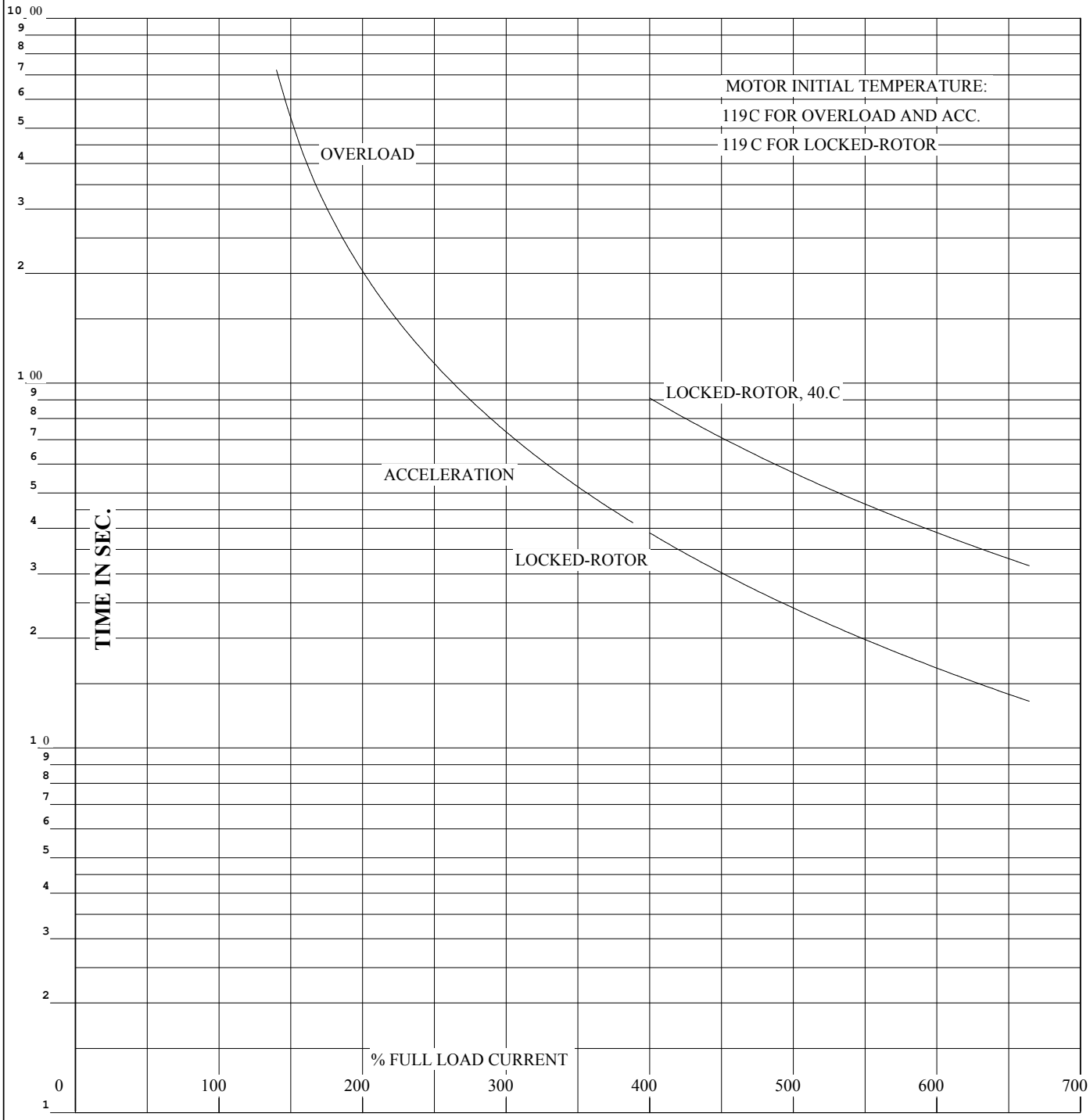
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DR. BY	C.R. THOMPSON
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APP. BY	K.W. KANOUFF
DATE	12/20/95

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

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

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

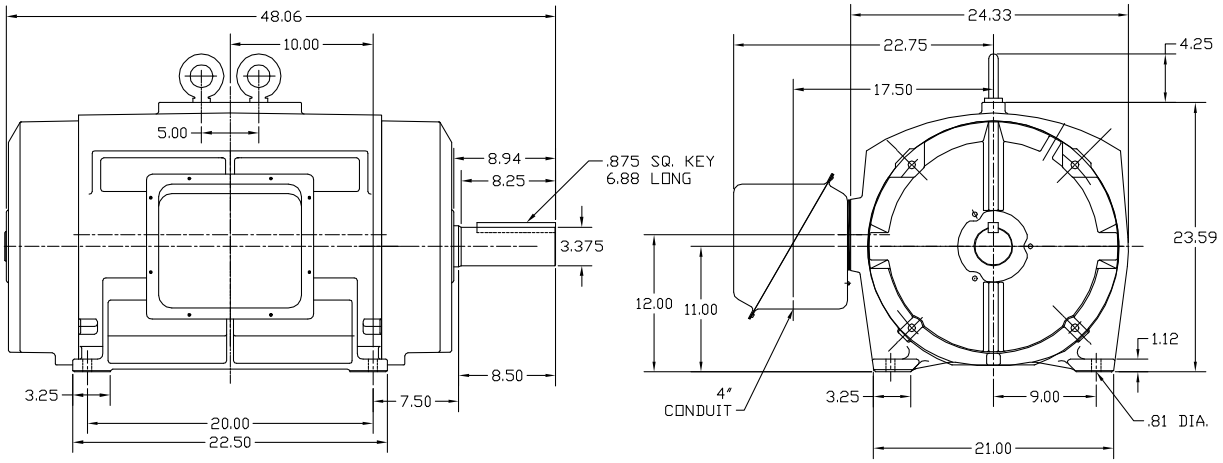
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: PROTECTED
MOUNTING: FOOT

COOLING: SELF VENTILATED

FRAME 447T
F-1 MOUNTING



SCALED DRAWINGG
SEE 604989-50 FOR COMPLETE DIMENSIONS

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

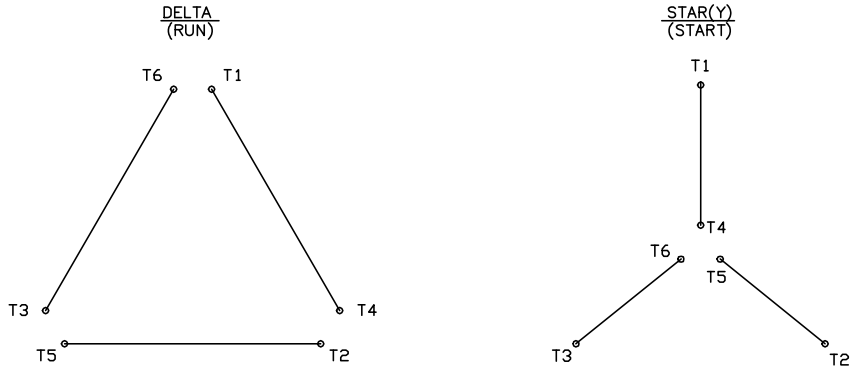
SH 1 of 1

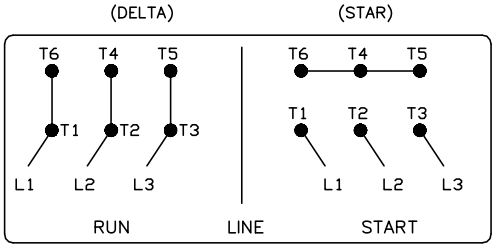
616508-283

416820–008

A–C MOTOR
CONNECTION DIAGRAM

STANDARD 6 LEAD Y START – DELTA RUN





(N. P. 1767-DC)

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FILE: \RAG\00001\808	REVISED: 10:41:26 04/08/2014	BY: RAGJSS1
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BALDOR

CONNECT DIAGRAM STD 6 LEAD Y START DELTA RUN

SH 1 of 1

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