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BALDOR • RELIANCE

Product Information Packet

EM4314TS

60HP,1775RPM,3PH,60HZ,364TS

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Part Detail							
Revision:	L	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Prod. Type:**	A36062M	**Elec. Spec:**	A36WG0651	**CD Diagram:**	416820-002
Enclosure:	TEFC	**Mfg Plant:**		**Mech. Spec:**		**Layout:**	617428-076
Frame:	364TS	**Mounting:**	F1	**Poles:**	04	**Created Date:**	11-18-2010
Base:		**Rotation:**	R	**Insulation:**	F	**Eff. Date:**	09-26-2016
Leads:	3#4,6#6					**Replaced By:**	
Literature:		**Elec. Diagram:**					

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Nameplate NP2383L

CAT.NO.	EM4314TS			**SPEC NO.**	P36G3431				
HP	60	**AMPS**	136/68	**VOLTS**	230/460	**DESIGN**	B		
FRAME	364TS	**RPM**	1780	**HZ**	60	**AMB**	40	**SF**	1.15
DRIVE END BEARING	65BC03J30X	**PHASE**	3	**DUTY**	CONT	**INSUL.CLASS**	F		
OPP D.E. BEARING	65BC03J30X	**TYPE**	P	**ENCL**	TEFC	**CODE**	G		
SER.NO.		**POWER FACTOR**	87	**NEMA-NOM-EFFICIENCY**	95				
				MAX CORR KVAR	10.0	**GUARANTEED EFFICIENCY**	94.5		
NEMA NOM/CSA QUOTED EFF									
	SUIT FOR 208V AT 149 AMPS			**MOTOR WEIGHT**	907				

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Parts List

Part Number	Description	Quantity
SA211815	SA P36G3431	1.000 EA
RA199044	RA P36G3431	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
004824015A	GREASE POLYREX EM	1.000 LB
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
415045002E	SLGR	1.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034180016GA	KEY 1/2X1/2X2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
402731001A	GASK 360-440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
410700004F	WSHR	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

Accessories

Part Number	Description	Multiplier
K36G2	C-FACE KIT	A8
085922068B	D-FLANGE BRKT 360 085922067WCA	P1

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REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364TS	60	P	3/60	1780	230/460

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
136/68	CONT	40/F	1.15	B	G	TEFC

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
492281	418141035YE	---	---	.0277/.110

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	20.1	1800	4.67	0
1/4	15.0	25.8	1795	58.6	93.0
2/4	30.0	37.5	1791	78.7	95.2
3/4	45.0	51.9	1786	85.0	95.3
4/4	60.0	68.0	1781	87.0	95.0
5/4	75.0	85.1	1775	87.5	94.3

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	181	320	430
PULL UP	720	161	285	395
BREAKDOWN	1703	251	445	244
FULL LOAD	1781	100	177	68.0

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-NEMA NOM. EFF. 95.0 %
GUARANTEED MIN. EFF. 94.5%

BALDOR

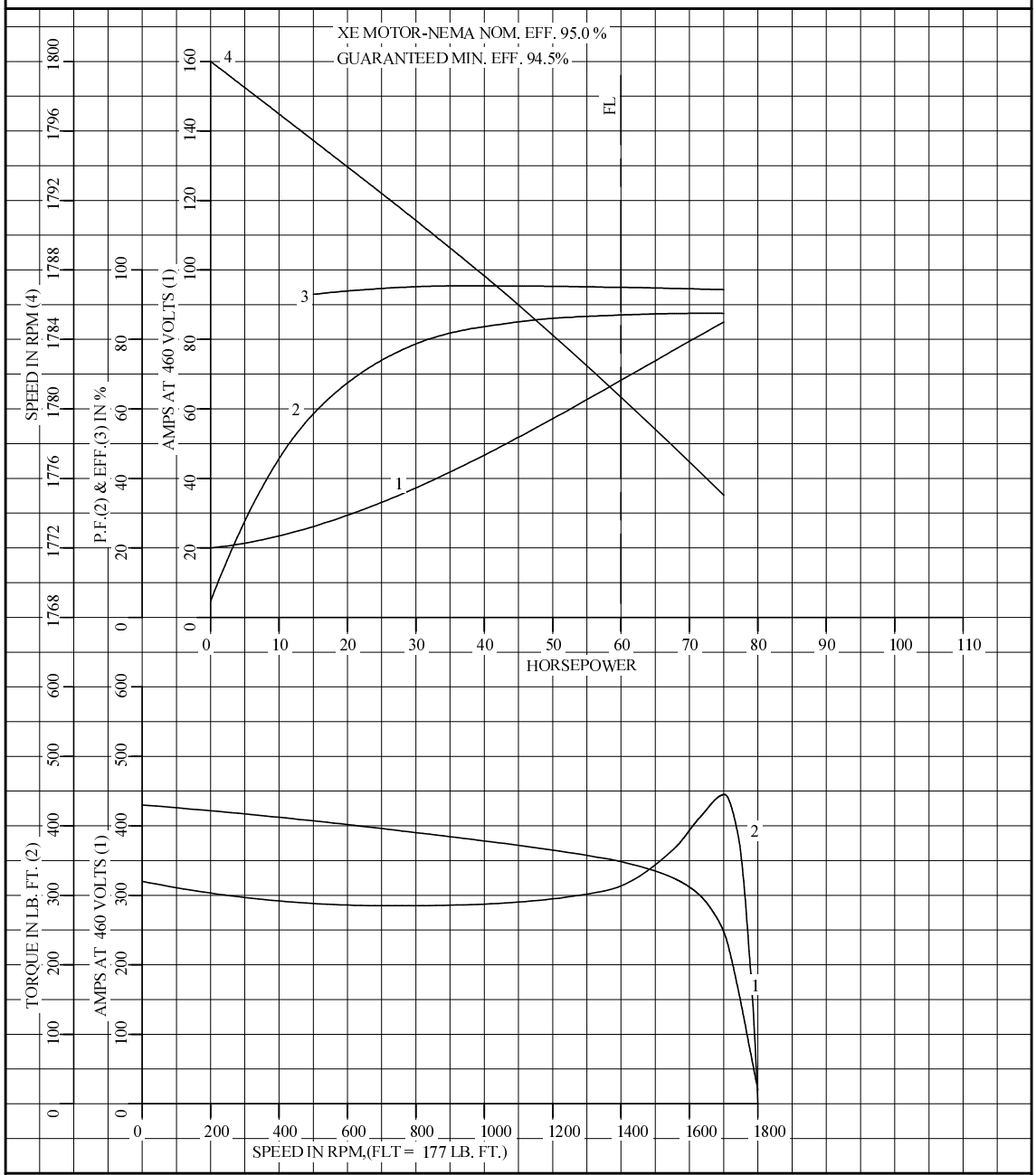
DR. BY D. M. BYRD
CK. BY J. P. TSAO
APP. BY J. P. TSAO
DATE 10/10/91

A-C MOTOR PERFORMANCE DATA

A36WG0651-R002
ISSUE DATE 12/15/10

Printed on 12/15/10 8:25 @ psecs-motorer

REL S.O.	RPM 1780	S.F. 1.15	ROTOR 418141035YE
FRAME 364TS	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 136/68	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 ℃ .0277/.110
PHASE/HERTZ 3/60	AMB ℃/INSUL 40/F	E/S 492281	OHMS (BETWEEN LINES)



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

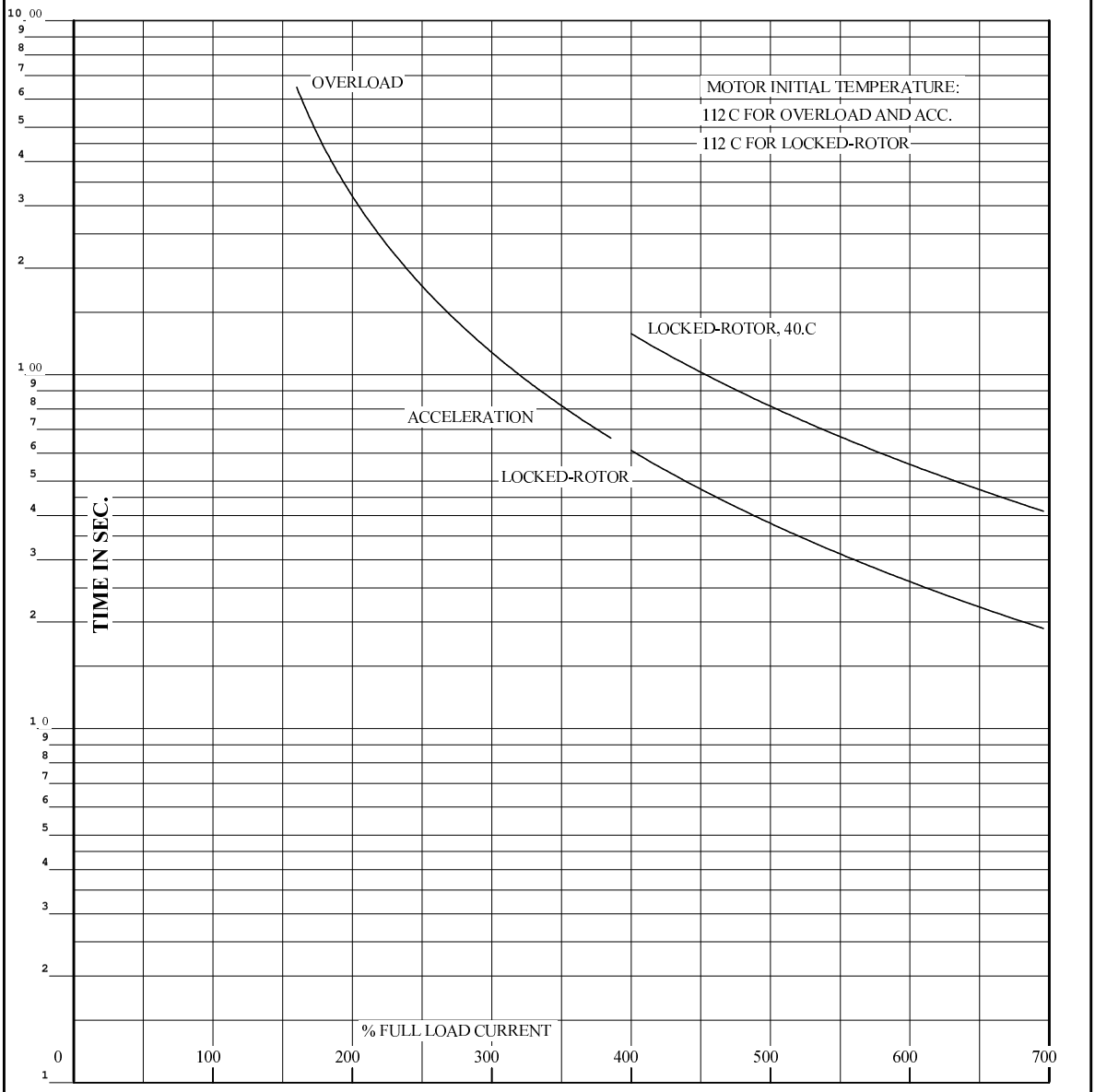
BALDOR

DR. BY	D. M. BYRD
CK. BY	J. P. TSAO
APP. BY	J. P. TSAO
DATE	10/10/91

A-C MOTOR PERFORMANCE CURVES A36WG0651-R002 ISSUE DATE 12/15/10

Printed on 12/15/10 8:26 @ psecs-motoreng

REL. S.O.	RPM 1780	S.F. 1.15	ROTOR 418141035YE
FRAME 364TS	VOLTS 230/460	NEMA DESIGN B	TEST S.O. TYPICAL DATA
HP 60	AMPS 136/68	CODE LETTER G	TEST DATE ---
TYPE P	DUTY CONT	ENCLOSURE TEFC	STATOR RES.@ 25 °C.0277/.110
PHASE/HERTZ 3/60	AMB °C/INSUL 40/F	E/S 492281	OHMS (BETWEEN LINES)



THERMAL LIMIT CURVE

REMARKS: XE MOTOR-NEMA NOM. EFF. 95.0 %

GUARANTEED MIN. EFF. 94.5%

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

BALDOR

DR. BY	D. M. BYRD
CK. BY	J. P. TSAO
APP. BY	J. P. TSAO
DATE	10/10/91

A-C MOTOR PERFORMANCE CURVES

A36WG0651-R002

ISSUE DATE 12/15/10

Printed on 12/15/10 8:26 @ psecs-motorer

617428-076

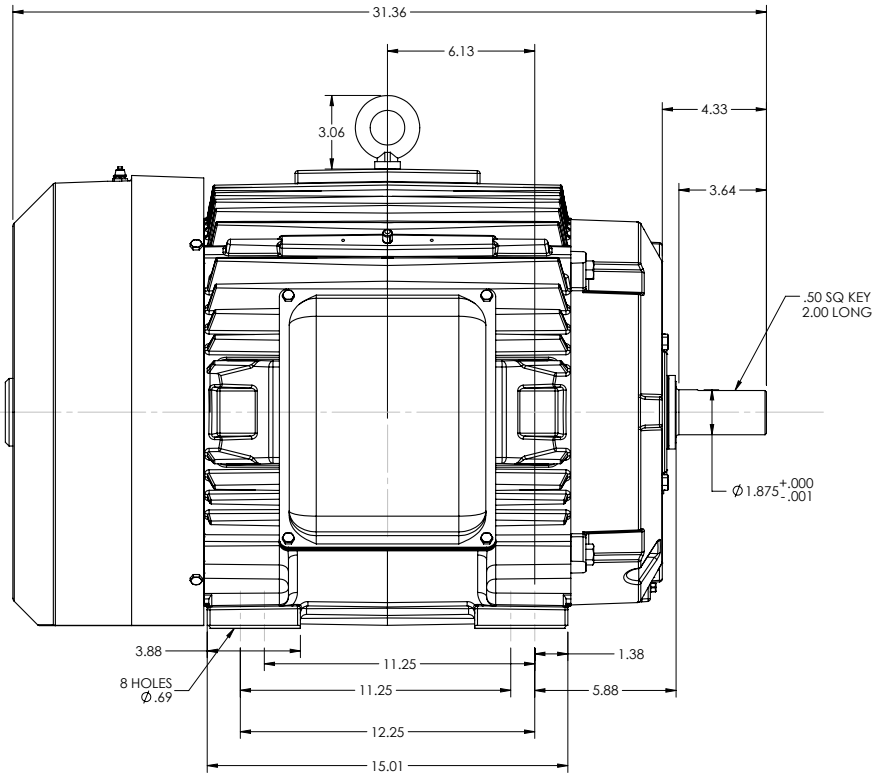
DUTY MASTER ALTERNATING CURRENT MOTORS

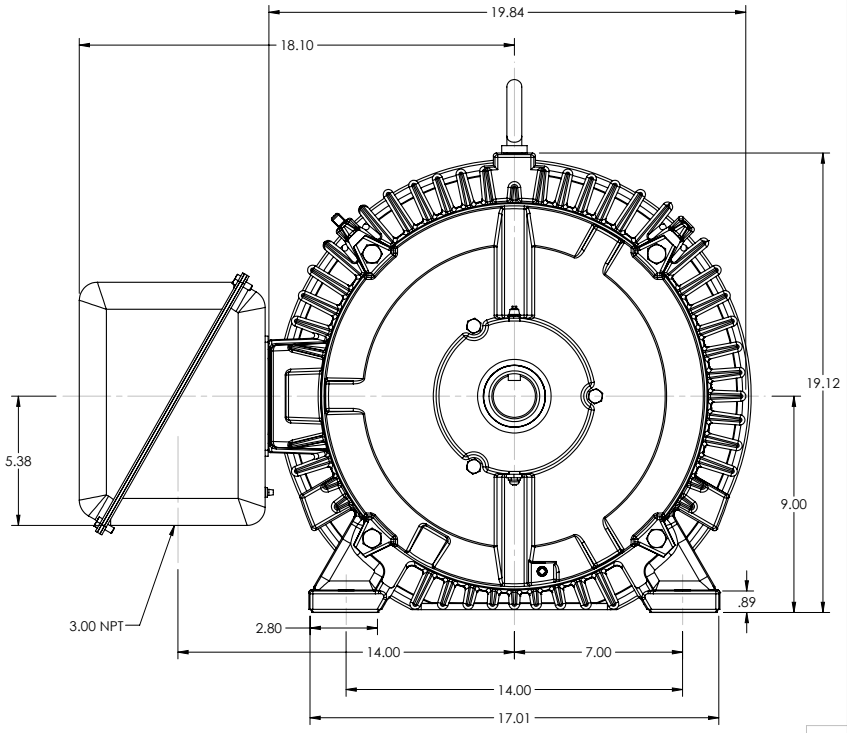
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

FRAMES 364TS-365TS

COOLING: FAN COOLED





WEIGHT (LBS): 364TS = 794
365TS = 834

MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.

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

REV. DESC: LOAD			
REV: -	VERSION: 00	REVISED: 01:14:12 01/26/2015	TDR: 000000889466
MODEL NO. 617428-076			REF:
BY: ENALEM0			B

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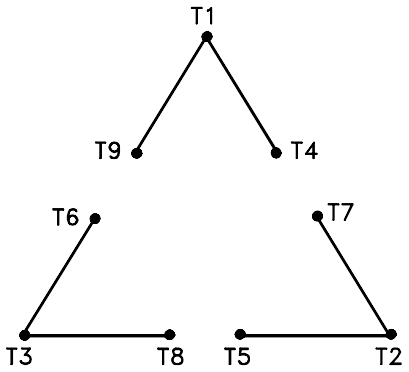
HOR 364-5TS TEFC

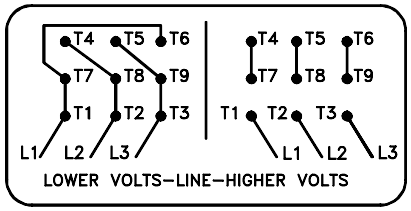
617428-076

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416820–002

A–C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA–CONNECTED





(N.P. 1575–B)

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR
REV. LTR: –	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\661		REVISED: 10:47:51 04/30/2010	CONN DIAG – STANDARD 9 LEAD, DELTA–CONNECTED
MTL: –		BY: RAGRA	SH 1 of 1

416820–002

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