

BALDOR® • ***RELIANCE***

Product Information Packet

OF4308T

40HP, 1125RPM, 3PH, 60HZ, 365T, 1466M, TEFC, F2

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36064M	Elec. Spec:	A36WG0754	CD Diagram:	416820-004
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-501-SH1
Frame:	364T	Mounting:	F2	Poles:	06	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	06-08-2016
Leads:	6#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2531L			
CAT.NO.	OF4308T	SPEC NO.	P36G3407
HP	40	PHASE	3
RPM	1130	DESIGN	D
VOLTS	460/796	TYPE	P
AMPS	48.6/28	AMB	40
DRIVE END BEARING	65BC03J30X	SF	1.15
OPP D.E. BEARING	65BC03J30X	INSUL.CLASS	F
SER.NO.		ENCL	TEFC
		CODE	G
		DUTY	CONT
		NEMA-NOM-EFFICIENCY	89.5
		FRAME	364T
		MOTOR WEIGHT	938

Parts List		
Part Number	Description	Quantity
SA206443	SA P36G3407	1.000 EA
RA193710	RA P36G3407	1.000 EA
NP2531L	INDUSTRIAL MOTOR,SS, CSA-C US,	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
078557001F	FAN KB 110/50 (60) 360	1.000 EA
078559034A	+F/C A 078559001A - 360	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
410700004F	WSHR	1.000 EA
415045002E	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151057A	PLASTIC DRAIN,ODE BRKT	1.000 EA
415045002E	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
418151057A	PLASTIC DRAIN,ODE BRKT	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
065776000C	TERBD 320-400	1.000 EA
067053000B	GASK 320-400	1.000 EA
076708000BB	C/B - 360	1.000 EA
076709000A	C/B - 360	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1025G03	WILKOFAS, 789.901, OIL RIG SILVER	0.500 GA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
034530032BB	P/NIP 1/4X4" SCHED 40	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530020BB	P/NIP 1/4X2-1/2 PLATED	1.000 EA

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035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
421948037	LABEL, MYLAR	1.000 EA

Accessories		
Part Number	Description	Multiplier
14-1704	C FACE KIT	A8

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	364T	40	P	3/60	1125	460/796
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
48.6/28	CONT	40/F	1.15	D	G	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (BETWEEN LINES)		
892224	418141088AA	---	---	.170/.511		

PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR %	EFFICIENCY %	
NO LOAD	0	7.5	1200	7.77	0	
1/4	10.0	9.7	1182	63.0	88.5	
2/4	20.0	14.3	1164	83.4	91.0	
3/4	30.0	20.4	1145	88.0	90.4	
4/4	40.0	28.3	1123	86.1	88.7	
5/4	50.0	37.7	1098	83.1	86.5	

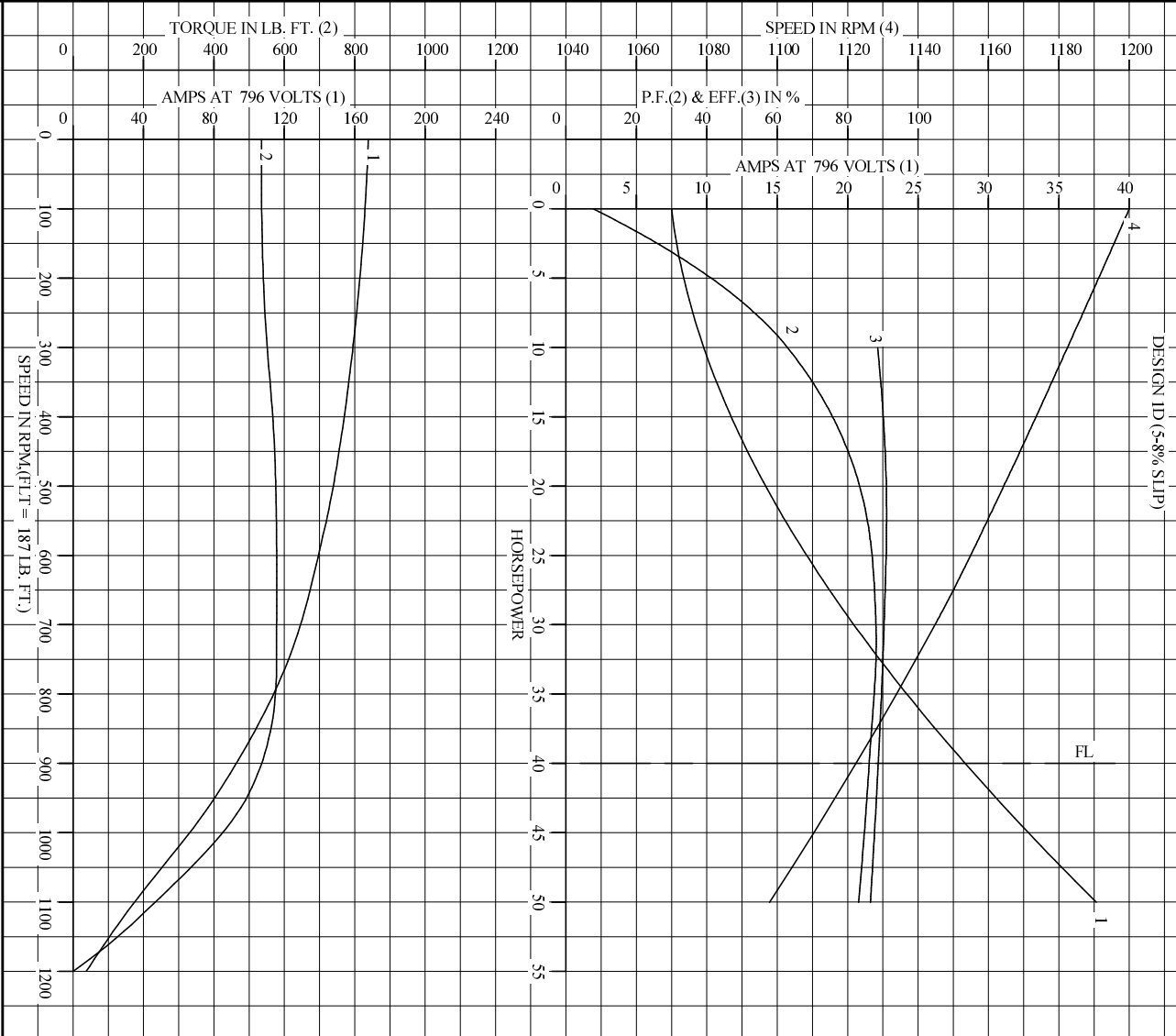
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	286	535	168		
PULL UP	0	286	535	168		
BREAKDOWN	755	309	578	122		
FULL LOAD	1123	100	187	28.3		

AMPERES SHOWN FOR 796. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
DESIGN ID (5-8% SLIP)

BALDOR	DR. BY	C. E. JAMISON	A-C MOTOR		
	CK. BY	W. I. SMITH		PERFORMANCE DATA	
	APP. BY	W. I. SMITH			A36WG0754-R001
	DATE	06/15/10			

REL. S.O. _____ RPM 1125 S.F. 1.15 ROTOR 418141088A
 FRAME 364T VOLTS 460/796 NEMA DESIGN D TEST S.O. TYPICAL DATA
 HP 40 AMPS 48.6/28 DUTY CONT CODE LETTER G TEST DATE ---
 TYPE P AMB °C/INSUL 40/F ENCLOSURE TEFC STATOR RES. @ 25 °C .170/.511
 PHASE/HERTZ 3/60 AMB °C/INSUL 40/F E/S 892224 OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 796 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

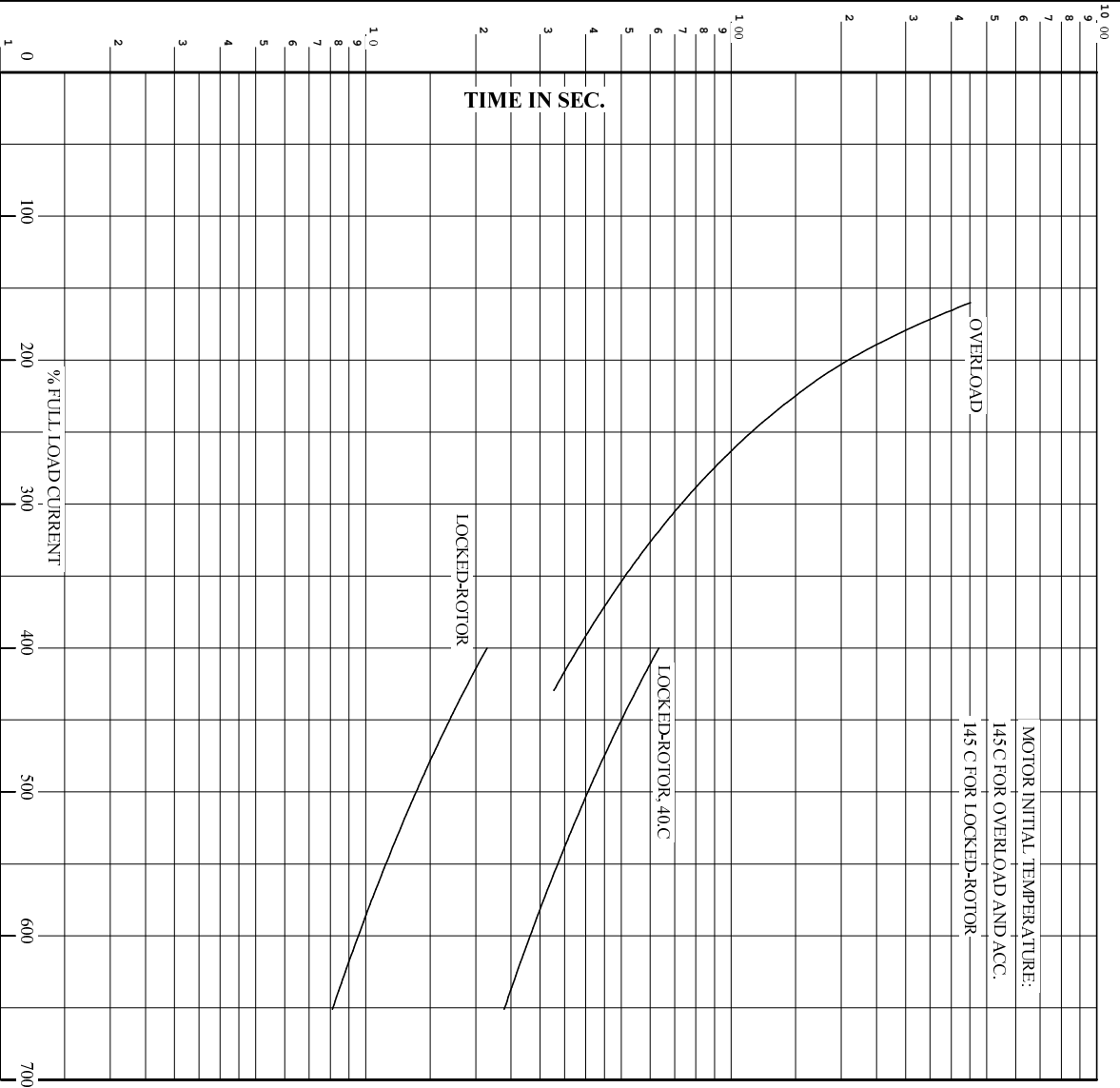
BALDOR

DR. BY CE. JAMISON
 CK. BY WL. SMITH
 App. BY WL. SMITH
 DATE 06/15/10

A-C MOTOR PERFORMANCE CURVES A36WG0754R001
 ISSUE DATE 12/15/10

Printed on 12/15/10 9:24 @ pscs-motoreng

REL. S.O. RPM 1125 S.F. 1.15 ROTOR 418141088AA
 FRAME 364T VOLTS 460/796 NEMA DESIGN D TEST S.O. TYPICAL DATA
 HP 40 AMPS 48.6/28 CODE LETTER G TEST DATE ---
 TYPE P DUTY CONT ENCLOSURE TEFC STATOR RES. @ 25 C. 170/.511
 PHASE/HERTZ 3/60 AMB C/INSUL 40/F E/S 892224 OHMS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE
 DESIGN ID (5-8% SLIP)

AMPERES SHOWN FOR 796 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

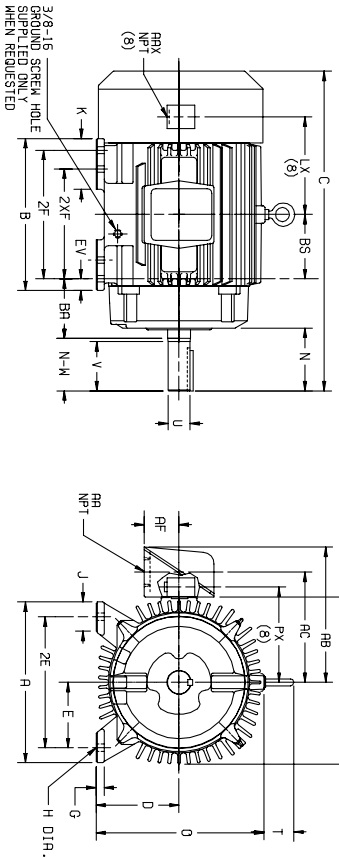


DR. BY CE JAMISON
 CK. BY WL SMITH
 App. BY WL SMITH
 DATE 06/15/10

A-C MOTOR
PERFORMANCE
CURVES
 A36WG0754-R001
 ISSUE DATE 12/15/10

611740-501-SH2

DUTY MASTER ALTERNATING CURRENT MOTORS
 SQUIRREL-CAGE INDUCTION
 CAST IRON CONSTRUCTION
 ENCLOSURE: TOTALLY ENCLOSED
 MOUNTING: FOOT
 FRAMES 250T THRU 440T
 COOLING: FAN COOLED



DIMENSIONS ARE IN MILLIMETERS. SEE SHEET 1 FOR DIMENSIONS IN INCHES.

FRAME	A	D(C)	E	G	H	J	K	O	P	T	CAST IRON TERMINAL BOX	(8)AUX. CONDUIT BOX	BA	EV					
254T-256T	317.5	158.8	127.0	19.0	14.2	63.5	--	336.5	336.5	62.0	1-1/4	2/4	22.3	63.5	3/4	160.3	236.5	108.0	25.4
284T-286T	349.2	177.8	139.7	19.0	14.2	63.5	--	374.6	378.0	62.0	1-1/2	3/20.5	258.8	76.2	3/4	174.8	266.7	120.7	25.4
324T-326T	393.7	203.2	158.8	22.4	17.5	69.9	14.3	423.9	431.8	62.0	2	3/92.2	296.9	91.9	3/4	203.2	266.7	133.3	35.1
364T-366T	431.8	228.6	177.8	22.4	17.5	69.9	14.3	469.9	495.3	74.7	3	457.2	350.8	104.6	3/4	212.9	295.1	149.4	35.1
404T-406T	482.6	254.0	203.2	28.4	20.6	82.5	17.3	541.3	571.5	74.7	3	488.9	382.5	104.6	3/4	244.3	366.8	188.1	28.7
444T-446T	533.4	279.4	228.6	28.4	20.6	82.5	13.3	593.9	641.3	82.5	3	563.6	443.0	152.4	3/4	282.4	387.3	190.5	31.7

FRAME	SIZE	C	BS	B	2F	(4) 2XF	N	N-W(6)	U(3)	V	SQ.	LGTH.	WEIGHT
254T	623.8	127.0	304.8	---	209.6	104.6	101.6	41.27	95.3	9.52	73.2	151	
256T	623.8	127.0	304.8	254.0	---	104.6	101.6	41.27	95.3	9.52	73.2	156	
284T	697.0	139.7	330.2	---	241.3	127.0	117.3	47.63	111.3	12.70	82.5	215	
284T	697.0	139.7	330.2	279.4	---	127.0	117.3	47.63	111.3	12.70	82.5	222	
286T	697.0	139.7	330.2	279.4	---	127.0	117.3	47.63	111.3	12.70	82.5	222	
286T	697.0	139.7	330.2	279.4	---	127.0	117.3	47.63	111.3	12.70	82.5	222	
324T	773.2	152.4	374.6	---	266.7	142.7	133.3	53.97	127.0	12.70	98.6	287	
324T	773.2	152.4	374.6	304.8	---	142.7	133.3	53.97	127.0	12.70	98.6	285	
326T	773.2	152.4	374.6	304.8	---	142.7	133.3	53.97	127.0	12.70	98.6	285	
326T	773.2	152.4	374.6	304.8	---	142.7	133.3	53.97	127.0	12.70	98.6	285	
364T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	142.7	15.88	108.0	392	
364T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	142.7	15.88	108.0	392	
365T	849.4	155.4	381.0	311.1	---	158.8	149.4	60.33	142.7	15.88	108.0	403	
365T	849.4	155.4	381.0	311.1	---	158.8	149.4	60.33	142.7	15.88	108.0	403	
365T	849.4	155.4	381.0	311.1	---	158.8	149.4	60.33	142.7	15.88	108.0	403	
404T	973.1	174.8	406.4	---	311.1	190.5	184.1	73.02	177.8	19.05	142.7	553	
404T	973.1	174.8	406.4	---	311.1	190.5	184.1	73.02	177.8	19.05	142.7	553	
404T	973.1	174.8	406.4	349.2	---	190.5	184.1	73.02	177.8	19.05	142.7	571	
405T	973.1	174.8	406.4	349.2	---	190.5	184.1	73.02	177.8	19.05	142.7	571	
405T	996.9	174.8	406.4	---	368.3	227.1	215.9	85.72	209.6	22.22	174.8	757	
444T	1133.3	209.6	482.6	---	368.3	227.1	215.9	85.72	209.6	22.22	174.8	790	
444T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	209.6	22.22	174.8	843	
445T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	209.6	22.22	174.8	843	
445T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	209.6	22.22	174.8	843	
445T	1035.4	209.6	482.6	419.1	---	151.8	120.7	60.33	114.3	15.88	76.2	636	

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES — 250T - 320T + 0, -8.
360T - 440T + 0, -1.5.
- (3) "U" VARIES — UP TO 41.27 DIA. + 0.00, -0.13
41.27 AND LARGER + 0.0, -0.3.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N," "W" VARIES + 0, -6.4.
- (7) DIMENSIONS ARE IN INCHES.
- (8) AUXILIARY CONDUIT BOX SUPPLIED WHEN SPECIFIED.
CONDUIT BOXES LOCATED ON OPPOSITE SIDE WHEN F-2-W-1,
W-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.
- (9) IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

FRAME _____ TYPE _____ CERTIFIED FOR _____ RPM _____ PH _____ HZ _____ DATE _____ VOLTS _____
 ORDER _____ ITEM _____ HP _____ APPROVED BY _____ SALES ORDER _____

ZHS-105-0974119

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

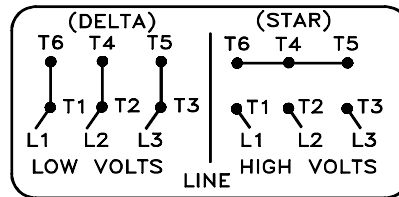
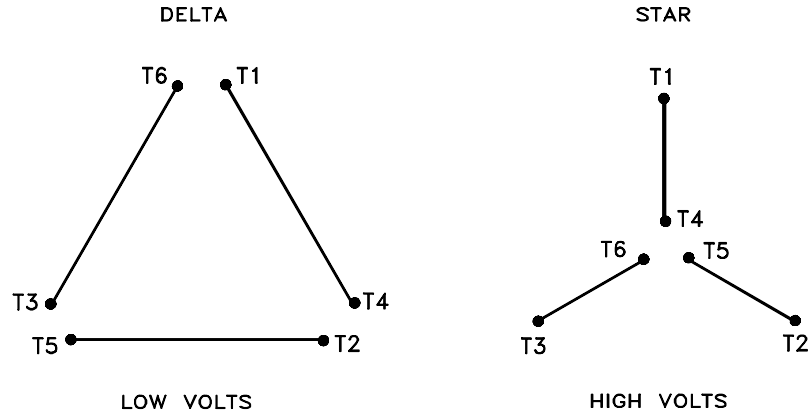
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REV. LTR: A	REVISED: 14:09:46 11/07/2007	BY: CONBPM
FILE: \\RAC\00004\526		
MTL: -		



DIM SHT 250T-440T TEFC FT MTG STD T & TS SGL EXT XT

416820-004

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 6 LEAD (DELTA/STAR CONNECTED)
DUAL VOLTAGE (LOW VOLTS/HIGH VOLTS)



(N.P. 1767-CC)

416820-004

REV. DESC: ADDED CLASSIFICATONS		
REV. LTR: B	VERSION: 02	TDR: 000000539297
FILE: \RSN\00017\950	REVISED: 11:58:09 05/04/2010	
MTL: -	BY: RAGRA	

BALDOR

A-C MOTOR CONNECTION DIAGRAM

SH 1 of 1

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>