

BALDOR® • RELIANCE

Product Information Packet

CTM1767T

60HP,1775RPM,3PH,60HZ,364T,TEFC,FOOT,

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36052M	Elec. Spec:	A36WG0808	CD Diagram:	416820-007
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-501-SH1
Frame:	364T	Mounting:	F1	Poles:	04/08	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	05-01-2012
Leads:	3#4,3#8					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2295L										
SPEC NO.	P36G6574	CAT.NO.	CTM1767T	FRAME	364T					
HP		RPM	VOLTS	AMPS	HZ	TYPE	PM			
	60	1775		460		69.6	60		SF	1.15
	15	885		460		24.1	60		INSUL.CLASS	F
DRIVE END BEARING	65BC03JPP30A	DUTY	CONT	AMB	40					
OPP D.E. BEARING	65BC03JPP30A	ENCL	TEFC	DESIGN	B					
SER.NO.		CODE	H	PHASE	3					
	HIGH SPEED EFF: NOM=93.0, GUAR	=92.4								
	COOLING TOWER; IP-55 CONSTR	CAT:CTM1767T		MOTOR WEIGHT						

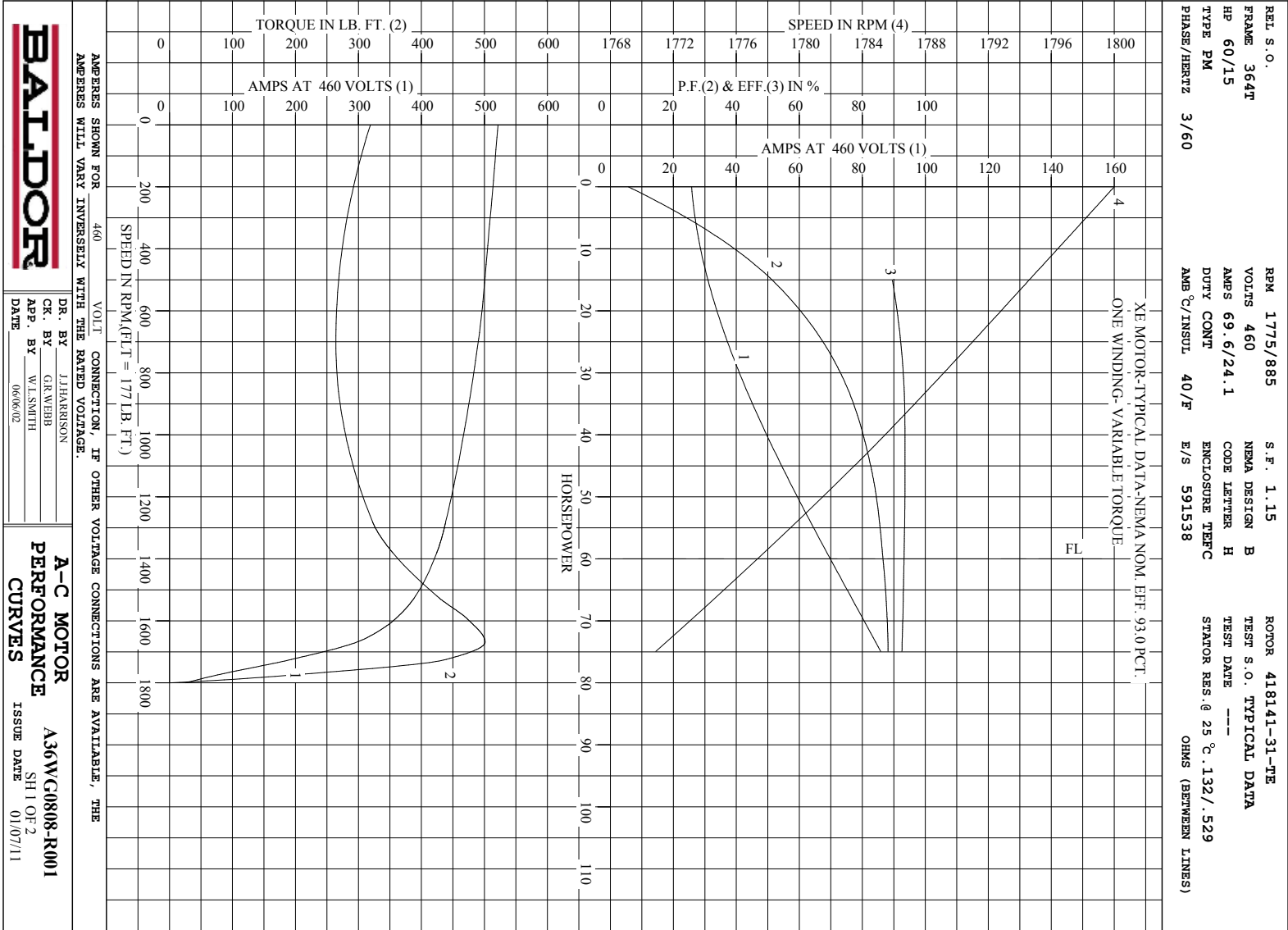
Parts List		
Part Number	Description	Quantity
SA207441	SA P36G6574	1.000 EA
RA194708	RA P36G6574	1.000 EA
NP2295L	BALDOR RELIANCE INDUSTRIAL MTR, SS, CSA	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
085922093AF	BRKT 360 085922072WCC	1.000 EA
415028001Y	SEAL - 360	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
423709011C	WASHER	3.000 EA
415028001Y	SEAL - 360	1.000 EA
415045002E	SLGR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
423709011C	WASHER	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
418151057A	PLASTIC DRAIN,ODE BRKT	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
410700004F	WSHR	1.000 EA
034530020AB	P/NIP 1/8X2-1/2 PLTED	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
085922093AF	BRKT 360 085922072WCC	1.000 EA
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
048977006C	GRFTG - XP	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 CVR - 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
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
418150003A	GREASE FITTING CAP	1.000 EA

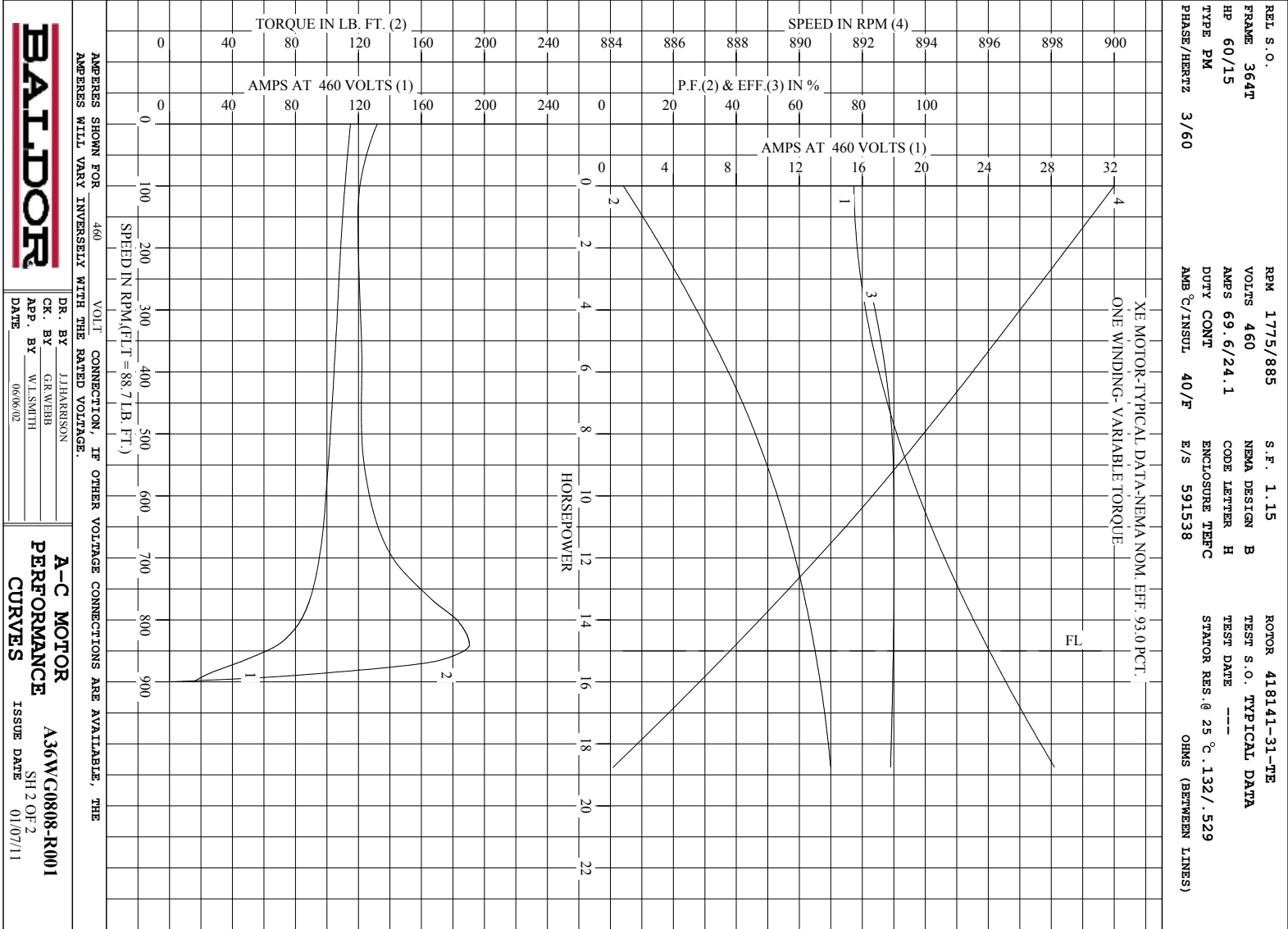
Parts List (continued)		
Part Number	Description	Quantity
048977006C	GRFTG - XP	1.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
421948040	MYLAR DIAG 2 SPEED 1 WDG	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	364T	60/15	PM	3/60	1775/885	460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
69.6/24.1	CONT	40/F	1.15	B	H	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
591538	418141-31-TE	---	---	.132/.529		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0/ 0	25.9/ 15.5	1800/ 900	5.73/ 4.11	0/ 0	
1/4	15.0/ 3.76	30.6/ 16.1	1795/ 897	51.4/ 26.1	89.6/ 83.6	
2/4	30.0/ 7.51	41.3/ 17.9	1789/ 894	73.0/ 44.1	93.0/ 89.1	
3/4	45.0/ 11.2	54.5/ 20.6	1784/ 891	82.7/ 56.7	93.6/ 90.1	
4/4	60.0/ 15.0	69.6/ 24.1	1777/ 888	86.6/ 65.0	93.3/ 89.8	
5/4	74.9/ 18.8	85.9/ 28.2	1771/ 884	88.2/ 70.0	92.6/ 89.0	
SPEED TORQUE						
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES	
LOCKED ROTOR	0/ 0	180/ 149	319/ 132	522/ 115		
PULL UP	700/ 150	149/ 135	264/ 120	490/ 110		
BREAKDOWN	1668/ 840	283/ 215	501/ 190	298/ 69.0		
FULL LOAD	1777/ 888	100/ 100	177/ 88.7	69.6/ 24.1		
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. 93.0 PCT. ONE WINDING- VARIABLE TORQUE						
BALDOR		DR. BY J.J. HARRISON CK. BY G.R. WEBB APP. BY W.I. SMITH DATE 06/06/02		A-C MOTOR PERFORMANCE A36WG0808-R001 DATA ISSUE DATE 01/07/11		

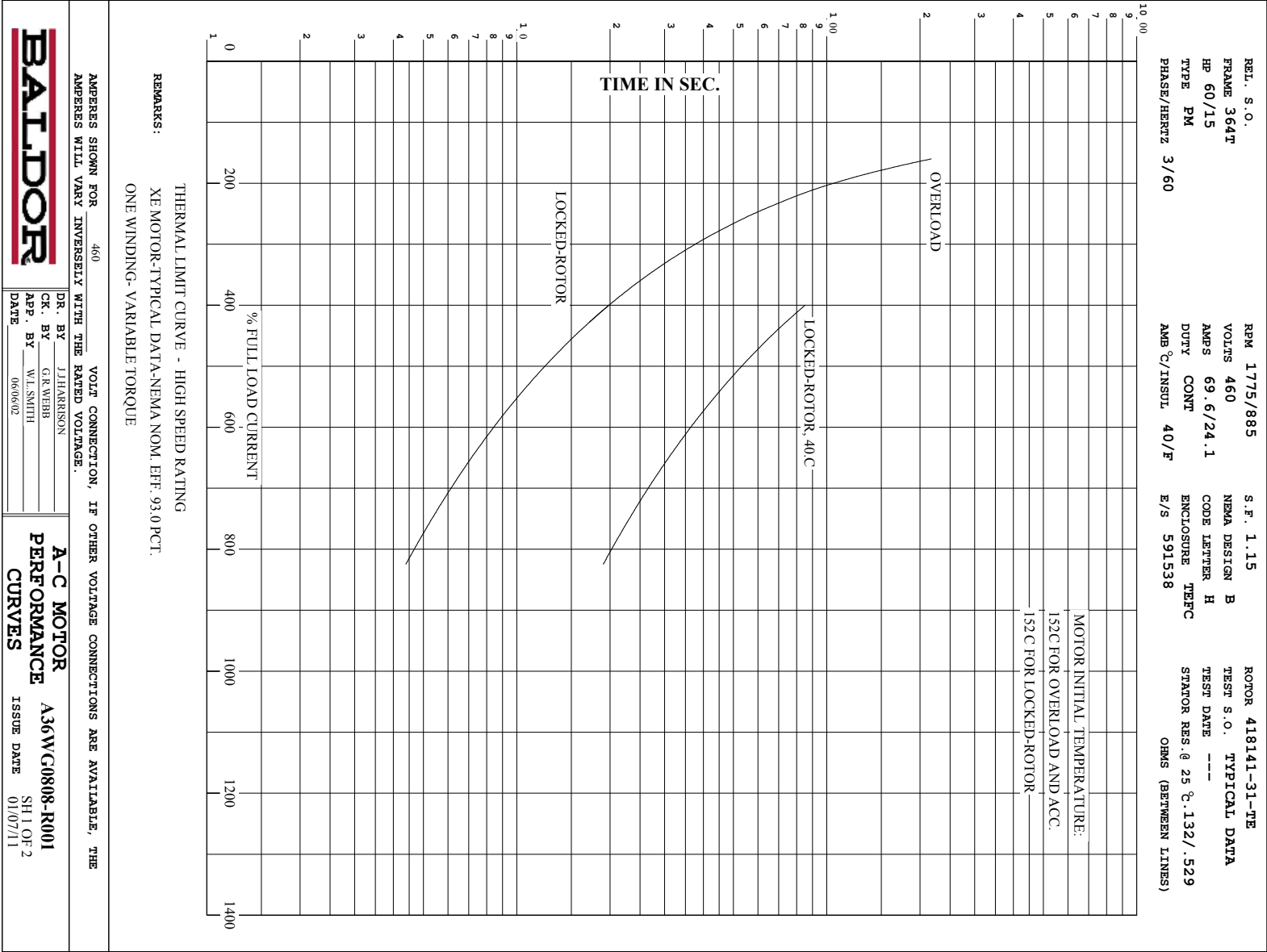
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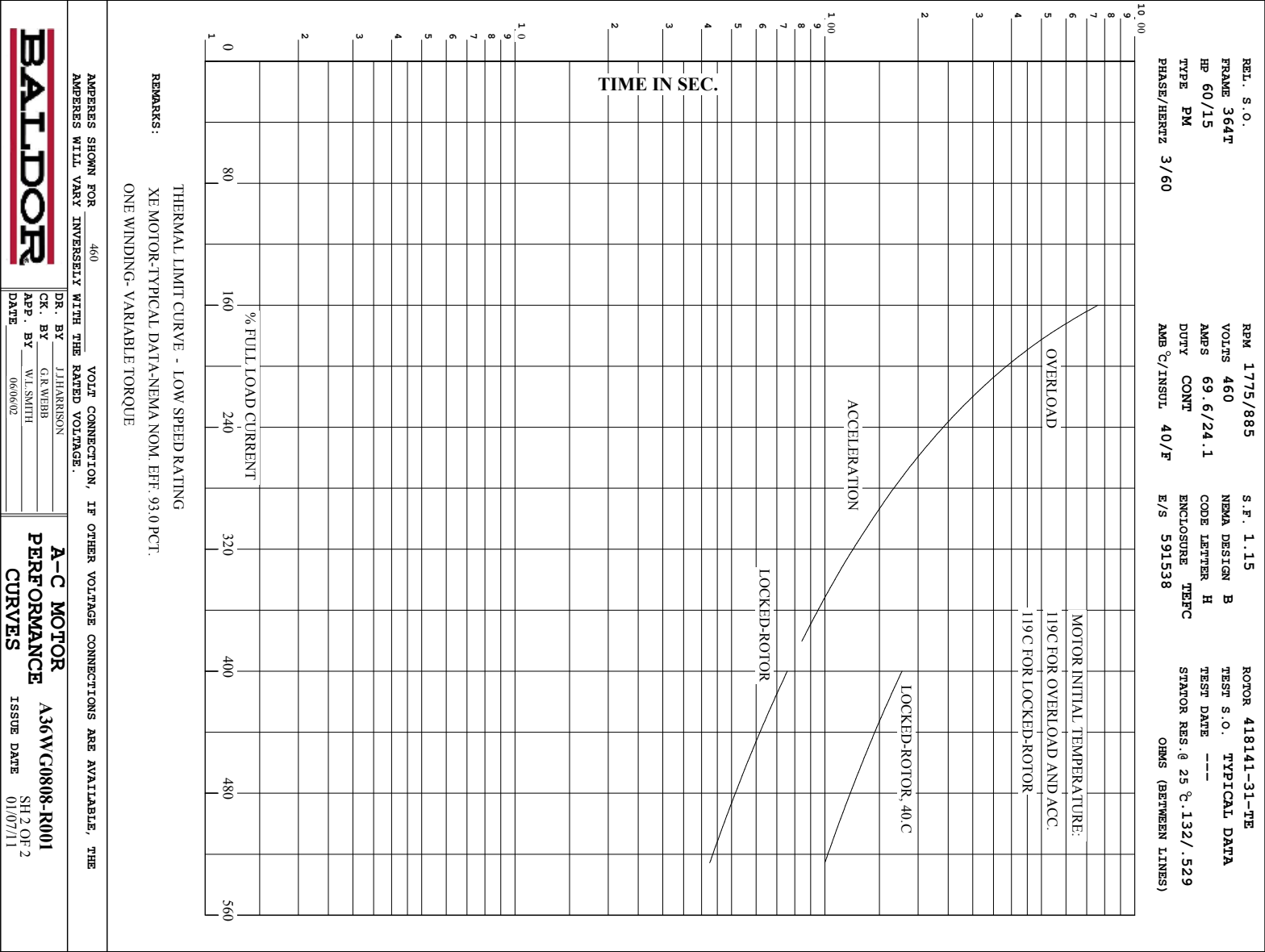


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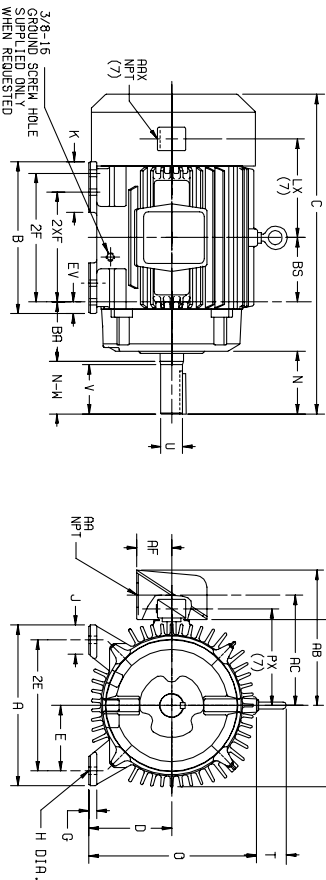




DUTY MASTER ALTERNATING CURRENT MOTORS

SCIRREL-CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED
CAST IRON CONSTRUCTION
MOUNTING: FOOT
COOLING: FAN COOLED

FRAMES 250T THRU 440T



FRAME		A	D(2)	E	G	H	J	K	O	P	T	CAST IRON TERMINAL BOX										(7) AUX. CONDUIT BOX	
		254T-256T	12.50	6.25	5.00	.75	.56	2.50	---	13.25	13.25	2.44	1-1/4	10.81	8.81	2.50	3/4	6.88	10.50	4.75	1.00	BA	EA
		256T	12.50	6.25	5.00	.75	.56	2.50	---	14.75	14.88	2.44	1-1/2	12.62	10.19	3.00	3/4	6.88	10.50	4.75	1.00	BA	EA
		284T-286T	13.75	7.00	5.50	.75	.56	2.50	---	14.75	14.88	2.44	1-1/2	12.62	10.19	3.00	3/4	6.88	10.50	4.75	1.00	BA	EA
		324T-326T	15.50	8.00	6.25	.88	.69	2.75	4.50	16.69	17.00	2.44	2	15.44	11.69	3.62	3/4	8.00	11.62	5.25	1.38	BA	EA
		364T-366T	17.00	9.00	7.00	.88	.69	2.75	3.88	18.50	19.50	2.94	3	18.00	13.81	4.12	3/4	8.38	11.62	5.88	1.38	BA	EA
		404T-406T	19.00	10.00	8.00	1.12	.81	3.25	4.62	21.31	22.50	2.94	3	19.25	15.06	4.12	3/4	9.62	14.44	6.62	1.13	BA	EA
		444T-446T	21.00	11.00	9.00	1.12	.81	3.25	5.25	23.38	25.25	3.25	3	22.19	17.44	6.00	3/4	11.12	15.25	7.50	1.25	BA	EA

DIMENSIONS ARE IN INCHES. SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME		SIZE	C	BS	B	2F	(4)	N	SHAFT AND KEY		SO.	LGTH.	WEIGHT
									N-W(6)	U(3)	V		(5)
		254T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88
		256T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88
		284T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	5.00	3.25
		286T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	5.00	3.25
		324T	30.44	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	5.00	3.88
		326T	30.44	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	5.00	3.88
		364T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	6.25	4.25
		366T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	6.25	4.25
		404T	36.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.50	5.62
		406T	36.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.50	5.62
		444T	40.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88
		446T	40.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88
		484T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88
		486T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88
		524T	48.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88
		526T	48.88	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.75	6.88

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "V" VARIES $\begin{cases} 250T - 320T +.00, -.03. \\ 360T - 440T +.00, -.06. \end{cases}$
- (3) "U" VARIES $\begin{cases} 250T - 320T +.00, -.03. \\ 360T - 440T +.00, -.06. \end{cases}$
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) "N-W" VARIES +.00, -.25.
- (7) 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.

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

IHS-105-074119

611740-501-SHT

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

REV. DESC: REMOVING TITLEBLOCK		
REV. LTR: A	VERSION: 01	TDR: 000000448517
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MTL: -		

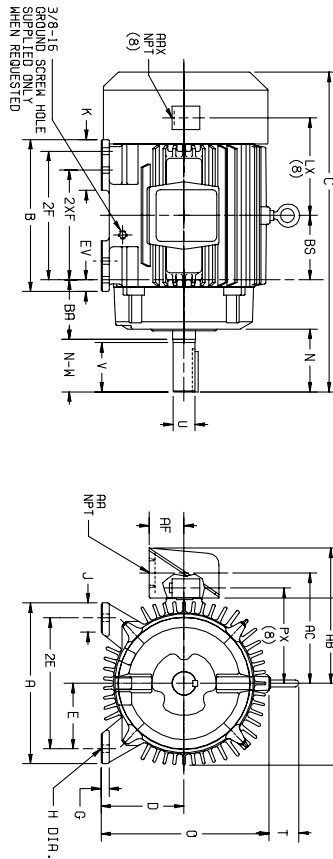
BALDOR • DODGE • RELIANCE

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

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT
SQUIRREL-CAGE INDUCTION
CAST IRON CONSTRUCTION
COOLING: FAN COOLED

FRAMES 250T THRU 440T



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

FRAME	A	D(2)	E	G	H	J	K	O	P	T	CAST IRON TERMINAL BOX	(8)AUX. CONDUIT BOX	BA	EV
254T-256T	317.5	198.8	127.0	19.0	14.2	63.5	---	336.5	336.5	62.0	1-1/4 27.46	22.38	63.5	3/4 160.3
284T-286T	349.2	177.8	139.7	19.0	14.2	63.5	---	374.6	378.0	62.0	1-1/2 320.5	25.8	76.2	3/4 174.8
324T-326T	393.7	203.2	158.8	22.4	17.5	69.9	14.3	423.9	431.8	62.0	2	39.2	25.8	3/4 203.2
364T-366T	431.8	228.6	177.8	22.4	17.5	69.9	14.3	469.9	495.3	74.7	3	45.7	25.8	3/4 212.9
404T-406T	482.6	254.0	203.2	28.4	20.6	82.5	17.3	541.3	571.5	74.7	3	48.9	38.2	3/4 244.3
444T-446T	533.4	279.4	228.6	28.4	20.6	82.5	17.3	593.9	641.3	82.5	3	53.6	44.3	3/4 282.4

FRAME	SIZE	C	BS	B	2F	2X	N	N-W(6)	U(3)	V	SQ.	LGTH.	WEIGHT
254T	62.3	12.0	30.4	8	---	209.6	104.6	101.6	41.27	95.3	9.52	73.2	151
256T	62.3	12.0	30.4	8	---	209.6	104.6	101.6	41.27	95.3	9.52	73.2	156
284T	69.0	13.7	33.0	2	---	241.3	127.0	117.3	47.63	111.3	12.70	82.5	215
286T	69.0	13.7	33.0	2	---	241.3	127.0	117.3	47.63	111.3	12.70	82.5	222
324T	77.3	15.2	37.4	6	---	266.7	142.7	133.3	53.97	127.0	12.70	98.6	267
326T	77.3	15.2	37.4	6	---	266.7	142.7	133.3	53.97	127.0	12.70	98.6	285
364T	84.9	15.4	38.1	0	---	285.7	158.8	149.4	60.33	142.7	15.88	108.0	392
366T	84.9	15.4	38.1	0	---	285.7	158.8	149.4	60.33	142.7	15.88	108.0	403
404T	97.3	17.4	40.6	4	---	311.1	190.5	184.1	73.02	177.8	19.05	142.7	553
406T	97.3	17.4	40.6	4	---	311.1	190.5	184.1	73.02	177.8	19.05	142.7	571
444T	113.3	20.6	48.2	6	---	368.3	227.1	215.9	85.72	209.6	22.22	174.8	757
446T	113.3	20.6	48.2	6	---	368.3	227.1	215.9	85.72	209.6	22.22	174.8	790
482.6	135.3	20.6	48.2	6	---	419.1	271.1	259.9	101.6	244.3	24.43	190.5	836

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES UP TO 41.27 DIA. +.00, -.013
- (3) "U" VARIES UP TO 41.27 DIA. +.000, -.013
- (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.
- IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
- MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .05 T.I.R. UP TO AND INCLUDING 41.27 DIA. AND .08 T.I.R. 41.27 DIA. TO 127 MILL.DIA.

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

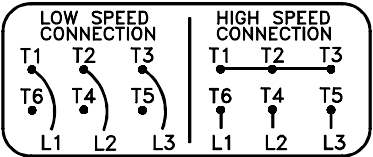
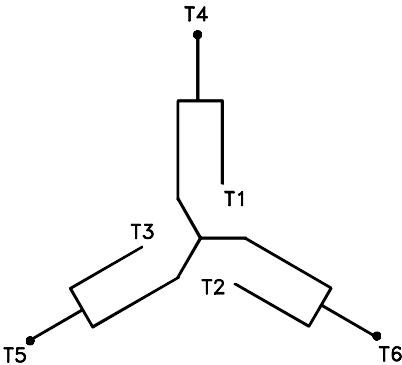
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MTL: -		

BALDOR • DODGE • RELIANCE
DIM SHT 250T-440T TEFC FT MTG STD T & TS SGL EXT XT

611740-501-SH2

416820-007

A-C MOTOR
CONNECTION DIAGRAM
SINGLE WINDING MULTI-SPEEDS VARIABLE TORQUE



(N. P. 1634-DE)

416820-007

REV. DESC: LOADED TO BUS, C/R 335225		
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MTL: -	BY: RAGRA	

BALDOR	
CONN DIAG - SINGLE WINDING - MULTI-SPEEDS - VARIABLE TORQUE	
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>