

BALDOR® • RELIANCE

Product Information Packet

IDXM7068T

75HP,1780RPM,3PH,60HZ,405T,X1666M,XPFC

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40064M	Elec. Spec:	A40WG0467	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611742-001-SH1
Frame:	X405T	Mounting:	F1	Poles:	04	Created Date:	10-19-2010
Base:		Rotation:	R	Insulation:	F	Eff. Date:	07-24-2012
Leads:	3#2,6#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613006PC	
CLASS I GROUP	D X X
CLASS II GROUP	X X X
OPERATING TEMP CODE	T2B

Nameplate 000613007HV										
CAT NO	IDXM7068T	SPEC NO.	P40G3221							
SER.NO.		FRAME	X405T							
	HP	RPM		VOLTS		AMPS		HZ	TYPE	P
BASE	75	1785		230/460		166/83		60	SF	1.00
MAX	75	2675		230/460		164/82		90	INSUL.CLASS	F
DRIVE END BEARING	80BC03J30X	CONSTANT TORQUE		DUTY	CONT	AMB	40			
OPP D.E. BEARING	80BC03J30X	2:1		ENCL	TEFC	PHASE	3			
DESIGN NO.	A40WG0467-R001	FLUX AMPS	21.1							
MAX SPEED/RPM	3600	OVERTEMP PROT	2	WK2	26.07	POLES	4	WEIGHT		

Parts List		
Part Number	Description	Quantity
SA209240	SA P40G3221	1.000 EA
RA196502	RA P40G3221	1.000 EA
000613006PC	N/P U/L (REL QTY 500)	1.000 EA
000613007HV	N/P BALDOR VSMMASTER	1.000 EA
000692000FX	UL LISTED LOGO LABEL 2.53 X 0.75 X .018	1.000 EA
000692000JF	CAUTION LABEL TO PREVENT IGNITION	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.884 LB
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032018032CK	HHCS 3/8-16X4 PLATED	3.000 EA
032130020EB	HSHCS 5/8-11X2-1/2PLTD.	4.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	3.000 EA
034017018AB	LCKW 5/8"	4.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	4.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530058AB	P/NIP 1/8X7-1/4 PLATED	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	1.000 EA
078548001R	FAN KB 234/150 (84) 400	1.000 EA
089416052A	BRKT 400 089416052WCB	1.000 EA
032018004AM	HHCS 1/4-20X1/2PLTD GREN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
032018014DK	HHCS 1/2-13X1-3/4 PLTD	4.000 EA
083198036A	FANCV BLKT 400	1.000 EA
089416052B	BRKT 400 089416052WCB	1.000 EA
410700000DA	WAVY SPRING WASHER (400)	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018032CK	HHCS 3/8-16X4 PLATED	3.000 EA
032130020EB	HSHCS 5/8-11X2-1/2PLTD.	4.000 EA
34017-14AB	LCKW 3/8 STD. PLATED	3.000 EA
034017018AB	LCKW 5/8"	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034017016AB	LCKW 1/2" PLATED	4.000 EA
034036012AB	LCKW EXTERNAL TOOTH 1/4"	1.000 EA
063916001S	+P/NIP 3X3 DIMPL-400	1.000 EA
064069000A	C/BC320/360 X 064069000B KB	1.000 EA
073646000E	C/B 320 WA073646000 KB	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
MG1025G05	MEDIUM CHARCOAL METALLIC GREY	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 EA
034180044JA	KEY 3/4X3/4X5-1/2 L	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
PK5004A09	BASE 48 X 39-1/4 STACK 2 X 4 RUUNER	1.000 EA

DUTY MASTER ALTERNATING CURRENT MOTORS
ENCLOSURE: TOTALLY ENCLOSED SQUIRREL-CAGE INDUCTION
UNDERWATERS LISTED MOTOR
MOUNTING: FOOT FRAMES 250T THRU 440T
COOLING: FAN COOLED

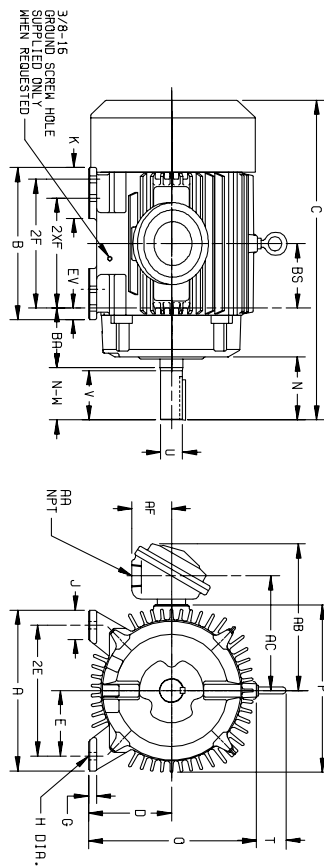


Table with 15 columns: FRAME, A, D(2), E, G, H, J, K, O, P, T, AA, AB, AC, AF, BA, EV. Rows include frame sizes 254T-256T, 256T, 258T, 260T, 262T, 264T, 266T, 268T, 270T, 272T, 274T, 276T, 278T, 280T, 282T, 284T, 286T, 288T, 290T, 292T, 294T, 296T, 298T, 300T, 302T, 304T, 306T, 308T, 310T, 312T, 314T, 316T, 318T, 320T, 322T, 324T, 326T, 328T, 330T, 332T, 334T, 336T, 338T, 340T, 342T, 344T, 346T, 348T, 350T, 352T, 354T, 356T, 358T, 360T, 362T, 364T, 366T, 368T, 370T, 372T, 374T, 376T, 378T, 380T, 382T, 384T, 386T, 388T, 390T, 392T, 394T, 396T, 398T, 400T, 402T, 404T, 406T, 408T, 410T, 412T, 414T, 416T, 418T, 420T, 422T, 424T, 426T, 428T, 430T, 432T, 434T, 436T, 438T, 440T, 442T, 444T, 446T, 448T, 450T, 452T, 454T, 456T, 458T, 460T, 462T, 464T, 466T, 468T, 470T, 472T, 474T, 476T, 478T, 480T, 482T, 484T, 486T, 488T, 490T, 492T, 494T, 496T, 498T, 500T, 502T, 504T, 506T, 508T, 510T, 512T, 514T, 516T, 518T, 520T, 522T, 524T, 526T, 528T, 530T, 532T, 534T, 536T, 538T, 540T, 542T, 544T, 546T, 548T, 550T, 552T, 554T, 556T, 558T, 560T, 562T, 564T, 566T, 568T, 570T, 572T, 574T, 576T, 578T, 580T, 582T, 584T, 586T, 588T, 590T, 592T, 594T, 596T, 598T, 600T, 602T, 604T, 606T, 608T, 610T, 612T, 614T, 616T, 618T, 620T, 622T, 624T, 626T, 628T, 630T, 632T, 634T, 636T, 638T, 640T, 642T, 644T, 646T, 648T, 650T, 652T, 654T, 656T, 658T, 660T, 662T, 664T, 666T, 668T, 670T, 672T, 674T, 676T, 678T, 680T, 682T, 684T, 686T, 688T, 690T, 692T, 694T, 696T, 698T, 700T, 702T, 704T, 706T, 708T, 710T, 712T, 714T, 716T, 718T, 720T, 722T, 724T, 726T, 728T, 730T, 732T, 734T, 736T, 738T, 740T, 742T, 744T, 746T, 748T, 750T, 752T, 754T, 756T, 758T, 760T, 762T, 764T, 766T, 768T, 770T, 772T, 774T, 776T, 778T, 780T, 782T, 784T, 786T, 788T, 790T, 792T, 794T, 796T, 798T, 800T, 802T, 804T, 806T, 808T, 810T, 812T, 814T, 816T, 818T, 820T, 822T, 824T, 826T, 828T, 830T, 832T, 834T, 836T, 838T, 840T, 842T, 844T, 846T, 848T, 850T, 852T, 854T, 856T, 858T, 860T, 862T, 864T, 866T, 868T, 870T, 872T, 874T, 876T, 878T, 880T, 882T, 884T, 886T, 888T, 890T, 892T, 894T, 896T, 898T, 900T, 902T, 904T, 906T, 908T, 910T, 912T, 914T, 916T, 918T, 920T, 922T, 924T, 926T, 928T, 930T, 932T, 934T, 936T, 938T, 940T, 942T, 944T, 946T, 948T, 950T, 952T, 954T, 956T, 958T, 960T, 962T, 964T, 966T, 968T, 970T, 972T, 974T, 976T, 978T, 980T, 982T, 984T, 986T, 988T, 990T, 992T, 994T, 996T, 998T, 1000T.

Table with 15 columns: FRAME, C, BS, B, 2F, (4), N, W(6), U(3), V, SQ, LGTH, WEIGHT. Rows include frame sizes 254T-256T, 256T, 258T, 260T, 262T, 264T, 266T, 268T, 270T, 272T, 274T, 276T, 278T, 280T, 282T, 284T, 286T, 288T, 290T, 292T, 294T, 296T, 298T, 300T, 302T, 304T, 306T, 308T, 310T, 312T, 314T, 316T, 318T, 320T, 322T, 324T, 326T, 328T, 330T, 332T, 334T, 336T, 338T, 340T, 342T, 344T, 346T, 348T, 350T, 352T, 354T, 356T, 358T, 360T, 362T, 364T, 366T, 368T, 370T, 372T, 374T, 376T, 378T, 380T, 382T, 384T, 386T, 388T, 390T, 392T, 394T, 396T, 398T, 400T, 402T, 404T, 406T, 408T, 410T, 412T, 414T, 416T, 418T, 420T, 422T, 424T, 426T, 428T, 430T, 432T, 434T, 436T, 438T, 440T, 442T, 444T, 446T, 448T, 450T, 452T, 454T, 456T, 458T, 460T, 462T, 464T, 466T, 468T, 470T, 472T, 474T, 476T, 478T, 480T, 482T, 484T, 486T, 488T, 490T, 492T, 494T, 496T, 498T, 500T, 502T, 504T, 506T, 508T, 510T, 512T, 514T, 516T, 518T, 520T, 522T, 524T, 526T, 528T, 530T, 532T, 534T, 536T, 538T, 540T, 542T, 544T, 546T, 548T, 550T, 552T, 554T, 556T, 558T, 560T, 562T, 564T, 566T, 568T, 570T, 572T, 574T, 576T, 578T, 580T, 582T, 584T, 586T, 588T, 590T, 592T, 594T, 596T, 598T, 600T, 602T, 604T, 606T, 608T, 610T, 612T, 614T, 616T, 618T, 620T, 622T, 624T, 626T, 628T, 630T, 632T, 634T, 636T, 638T, 640T, 642T, 644T, 646T, 648T, 650T, 652T, 654T, 656T, 658T, 660T, 662T, 664T, 666T, 668T, 670T, 672T, 674T, 676T, 678T, 680T, 682T, 684T, 686T, 688T, 690T, 692T, 694T, 696T, 698T, 700T, 702T, 704T, 706T, 708T, 710T, 712T, 714T, 716T, 718T, 720T, 722T, 724T, 726T, 728T, 730T, 732T, 734T, 736T, 738T, 740T, 742T, 744T, 746T, 748T, 750T, 752T, 754T, 756T, 758T, 760T, 762T, 764T, 766T, 768T, 770T, 772T, 774T, 776T, 778T, 780T, 782T, 784T, 786T, 788T, 790T, 792T, 794T, 796T, 798T, 800T, 802T, 804T, 806T, 808T, 810T, 812T, 814T, 816T, 818T, 820T, 822T, 824T, 826T, 828T, 830T, 832T, 834T, 836T, 838T, 840T, 842T, 844T, 846T, 848T, 850T, 852T, 854T, 856T, 858T, 860T, 862T, 864T, 866T, 868T, 870T, 872T, 874T, 876T, 878T, 880T, 882T, 884T, 886T, 888T, 890T, 892T, 894T, 896T, 898T, 900T, 902T, 904T, 906T, 908T, 910T, 912T, 914T, 916T, 918T, 920T, 922T, 924T, 926T, 928T, 930T, 932T, 934T, 936T, 938T, 940T, 942T, 944T, 946T, 948T, 950T, 952T, 954T, 956T, 958T, 960T, 962T, 964T, 966T, 968T, 970T, 972T, 974T, 976T, 978T, 980T, 982T, 984T, 986T, 988T, 990T, 992T, 994T, 996T, 998T, 1000T.

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES 250T - 320T +.00, -.03.
- (3) "U" VARIES 360T - 440T +.00, -.06.
- (4) "U" VARIES 1.625 DIA. +.0000, -.0005
- (5) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
- (6) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (7) "N-W" VARIES +.00, -.25.

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

LHS-100-742119

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

Table with 3 columns: REV. LTR, VERSION, TDR. Rows include REV. LTR: A, VERSION: 01, TDR: 000000467918.

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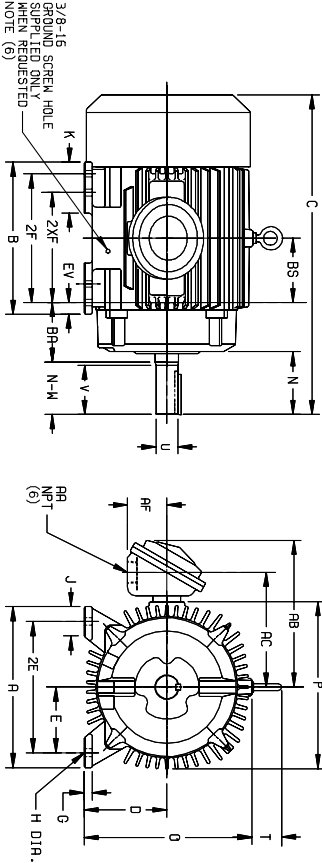
DIM SHT FCXP FT 250-440T
SH 1 of 1

611742-001-SH2

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED SQUIREL-CAGE INDUCTION COOLING: FAN COOLED
UNDERWRITERS LISTED MOTOR
MOUNTING: FOOT

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	AB	AC	AF	BA	EV
254T-256T	317.5	156.7	102.0	19.0	14.2	63.5	---	336.5	336.5	62.0	1-1/4	314.5	246.1	85.9	108.0
264T-266T	346.2	172.8	139.7	19.0	14.2	63.5	---	374.6	377.9	62.0	1-1/4	336.5	268.2	85.9	120.7
324T-326T	393.7	203.2	158.7	22.4	17.3	69.3	114.3	423.9	431.9	62.0	1-1/4	433.3	317.5	108.0	133.4
364T-366T	431.8	226.6	177.8	22.4	17.3	69.3	101.6	469.9	493.3	74.7	1-1/4	477.8	361.9	108.0	149.4
404T-406T	482.6	254.0	203.2	28.4	20.6	82.5	117.3	541.3	571.3	74.7	1-1/4	520.7	403.4	108.0	166.1
444T-446T	533.4	279.4	228.6	28.4	20.6	82.5	133.3	593.9	641.3	82.5	1-1/4	666.7	517.7	152.4	190.5

FRAME	C	BS	B	2F	(4)	N	N-W/7	U(3)	V	SO	LGTH	WEIGHT
254T	623.8	127.0	304.8	---	209.6	103.1	101.6	41.28	95.3	9.53	73.2	152
264T	623.8	127.0	304.8	254.0	---	103.1	101.6	41.28	95.3	9.53	73.2	156
284T	697.0	139.7	330.2	---	241.3	119.1	117.3	47.63	111.3	12.70	82.6	225
294T	697.0	139.7	330.2	---	241.3	84.1	82.6	41.28	76.2	9.53	47.8	225
296T	697.0	139.7	330.2	279.4	---	119.1	117.3	47.63	111.3	12.70	82.6	231
296T	697.0	139.7	330.2	279.4	---	84.1	82.6	41.28	76.2	9.53	47.8	231
324T	773.2	152.4	374.7	---	266.7	142.7	133.4	53.98	127.0	12.70	98.6	277
324T	773.2	152.4	374.7	---	266.7	104.6	95.3	47.63	86.9	12.70	50.8	277
326T	773.2	152.4	374.7	304.8	---	104.6	95.3	47.63	86.9	12.70	50.8	295
364T	849.4	155.4	381.0	---	285.7	152.4	149.4	60.33	142.7	15.88	108.0	410
364T	849.4	155.4	381.0	---	285.7	98.6	95.3	47.63	86.9	12.70	50.8	410
365T	849.4	155.4	381.0	---	285.7	98.6	95.3	47.63	86.9	12.70	50.8	410
365T	795.3	155.4	381.0	311.1	---	98.6	95.3	47.63	86.9	12.70	50.8	428
404T	973.1	174.8	406.4	---	311.1	190.5	184.1	73.02	177.8	19.05	142.7	589
404T	973.1	174.8	406.4	---	311.1	114.3	108.0	53.97	101.6	12.70	69.9	585
405T	973.1	174.8	406.4	349.2	---	190.5	184.1	73.02	177.8	19.05	142.7	605
405T	973.1	174.8	406.4	349.2	---	114.3	108.0	53.97	101.6	12.70	69.9	601
444T	1133.3	209.6	482.6	---	368.3	227.1	215.9	85.72	209.6	22.22	174.8	802
444T	1133.3	209.6	482.6	---	368.3	131.8	120.7	60.33	114.3	15.88	76.2	795
445T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	209.6	22.22	174.8	889
445T	1038.4	209.6	482.6	419.1	---	131.8	120.7	60.33	114.3	15.88	76.2	881

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
- (2) "D" VARIES $\begin{cases} 250T - 440T +0.0, -0.8 \\ 360T - 440T +0.0, -1.5 \end{cases}$ CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-W-1, W-4-W-5-W-7, OR G-1 MOUNTING IS SPECIFIED.
- (3) "U" VARIES $\begin{cases} 41.27 \text{ AND LARGER} +0.0, -0.3 \\ \text{UP TO } 41.27 \text{ DIA.} +0.00, -0.03 \end{cases}$ IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
- (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING. 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.
- (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
- (6) DIMENSIONS ARE IN INCHES.
- (7) "N-W" VARIES $+0.0, -6.4$

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

REV. DESC: ASSIGNED TO BUSLOAD	VERSION: 01	TDR: 000000467918
REV. LTR: A	REVISED: 14:00:05 06/17/2008	BY: RAGRKH
FILE: \RAG\00006\852		
MTL: -		

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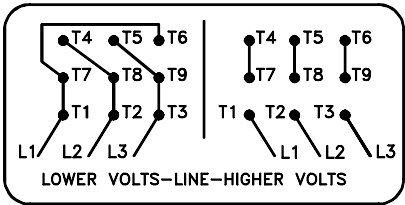
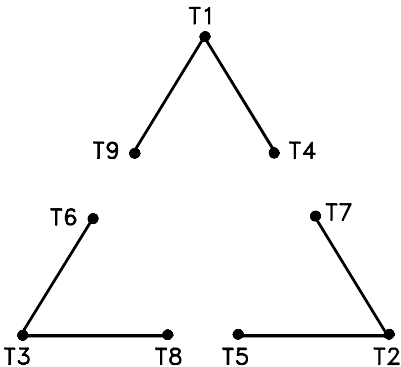
DIM SHT FCXP FT 250-440T
SH 1 of 1

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

2HS-100-742119

416820-002

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



(N.P. 1575-B)

416820-002

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	

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>