

BALDOR® • RELIANCE

Product Information Packet

CEM7090T-I

100//75HP,1780//1485RPM,3PH,60//50HZ,405

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40072M	Elec. Spec:	A40WG0495	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617433-533
Frame:	405TC	Mounting:	F1	Poles:	04	Created Date:	04-28-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-30-2016
Leads:	3#2,6#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

MOBIL POLYREX EM

Nameplate 000613006PC

CLASS I GROUP	C D X
CLASS II GROUP	X X X
OPERATING TEMP CODE	T3C

Nameplate NP2293L

CAT.NO.	CEM7090T-I			SPEC NO.	A40-6594-0495			FRAME	405TC	
HP	100//75		PHASE	3	DESIGN	B	TYPE	P		
RPM	1780//1485		HZ	60//50		AMB	40	SF	1.15	
VOLTS	230/460//190/380			DUTY	CONT		INSUL.CLASS		F	
AMPS	224/112//206/103			ENCL		TEFC		CODE	G	
DRIVE END BEARING	80BC03J30X		NEMA-NOM-EFFICIENCY			95.4				
OPP D.E. BEARING	80BC03J30X									
SER.NO.			SUITABLE FOR 55C AMB @ 1.0 SF							
	NEMA MG-1 PT 5, IP55							MOTOR WEIGHT	1375	

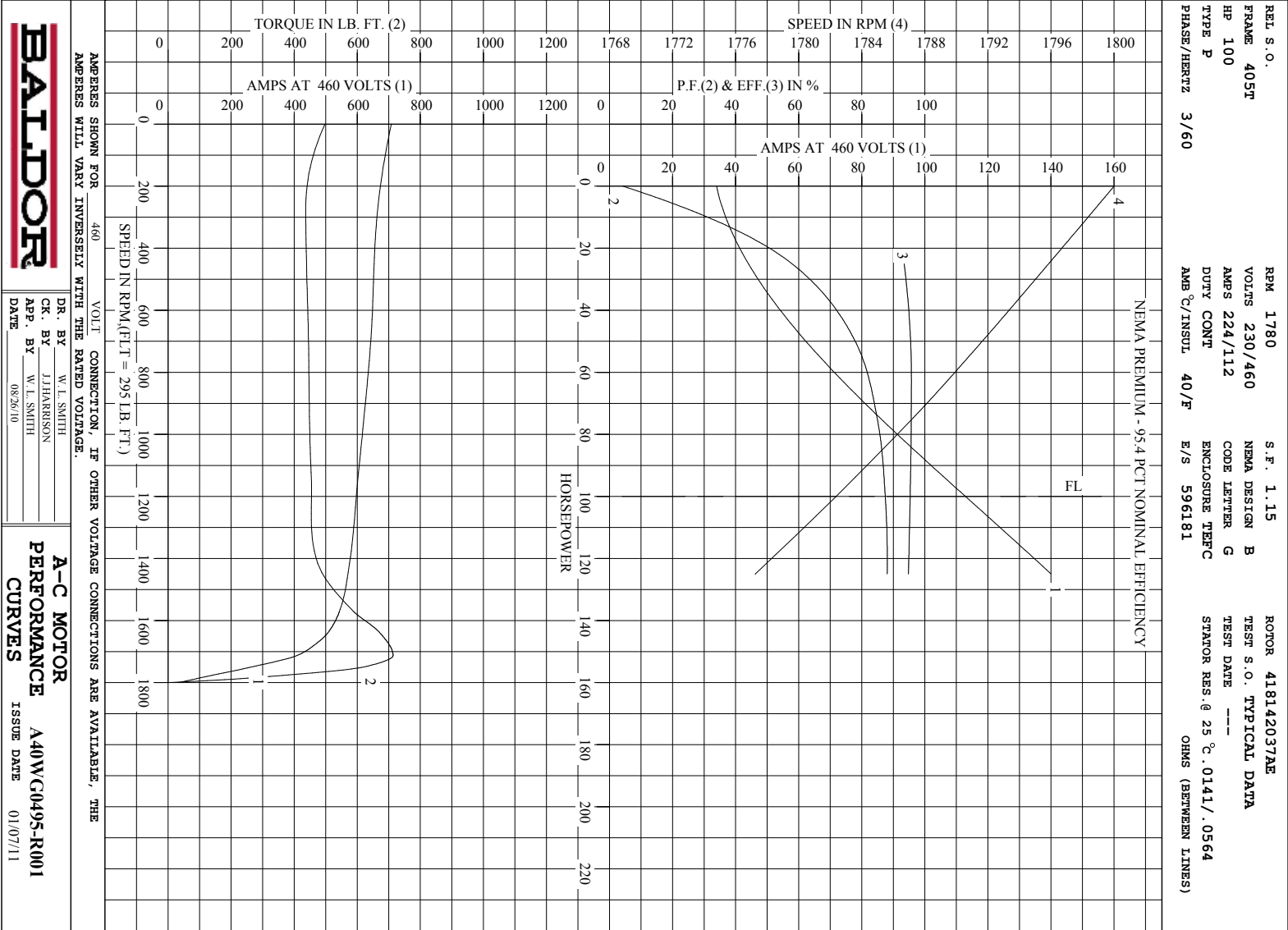
Parts List		
Part Number	Description	Quantity
SA312629	SA A40-6594-0495	1.000 EA
RA300068	RA A40-6594-0495	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
LB1073	ALUM XP CAUTION LABEL	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
000613006PC	N/P U/L (REL QTY 500)	1.000 EA
NP2293L	BALDOR RELIANCE INDUST. MTR,SS,CSA-C US,	1.000 EA
HW4506A02	BREATHER/DRAIN-EXP PROOF-.125-27 NPTF AI	2.000 EA
609158001E	SLGR - 400	1.000 EA
603284001Y	SLGR - 400	1.000 EA
089416503A	G400 STD BRKT MACHINING 6316 BE OR FE	1.000 EA
415072001B	CLAMP	1.000 EA
083198101A	G400 STD FAN COVER MACHINING	1.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
078557001E	FAN 440 078557001F	1.000 EA
004824015A	GREASE POLYREX EM	0.880 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
415045002B	SLGR	1.000 EA
410700000DA	WAVY SPRING WASHER	1.000 EA
034017022AB	LCKW X 7/8 - ZINC PL. STEEL	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA

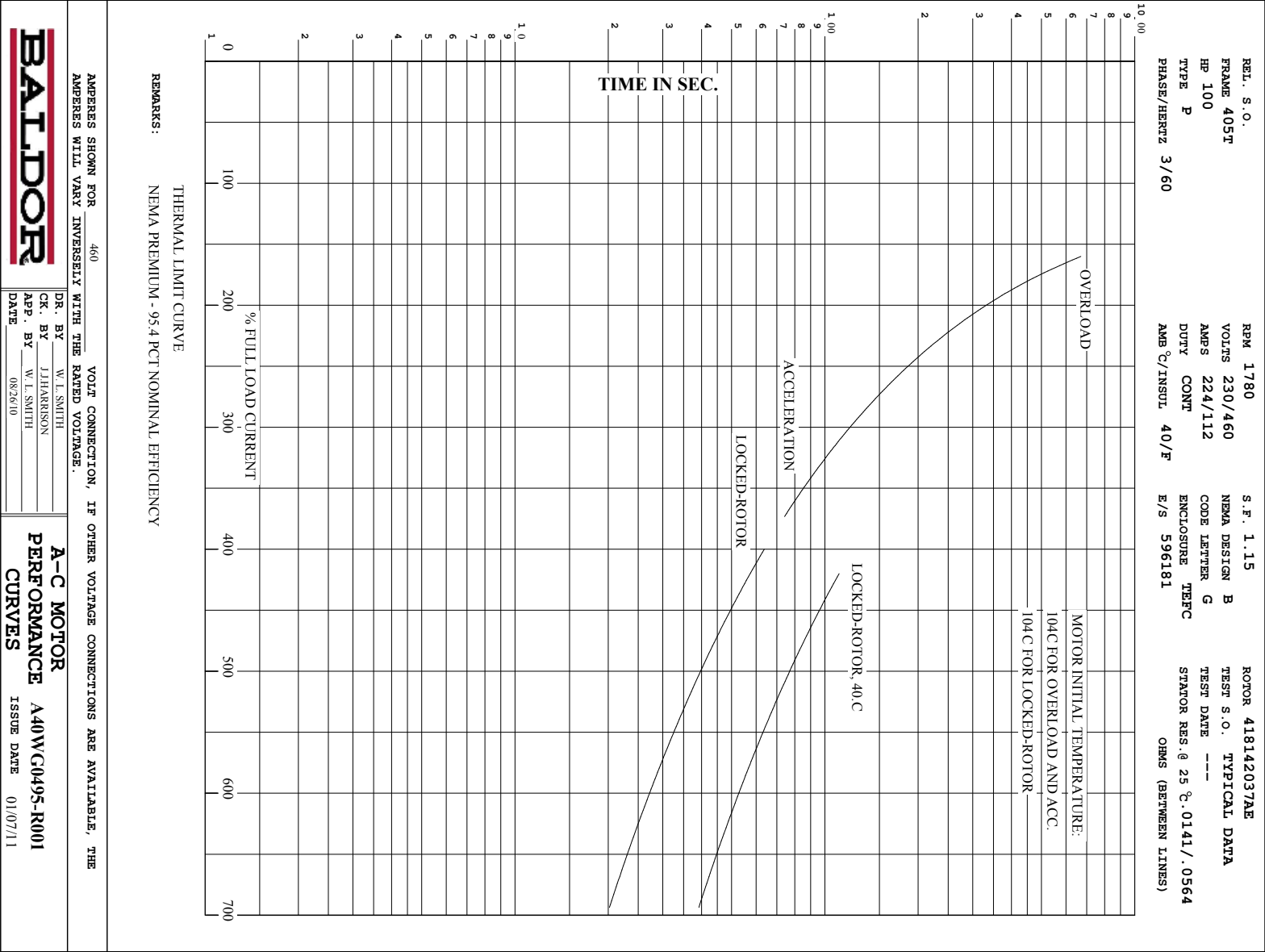
Parts List (continued)		
Part Number	Description	Quantity
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
032130024GB	SHCS 7/8-9NC X 3" LONG PLATED	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	3.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
034530056BB	P/NIP 1/4X7 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
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
089416508A	G400 X/P C-FACE BRKT MCHG 6316	1.000 EA
032018028CK	HHCS 3/8-16X3-1/2 PLTD.	3.000 EA
415045002B	SLGR	1.000 EA
034017022AB	LCKW X 7/8 - ZINC PL. STEEL	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	3.000 EA
034600001AB	BUSH 1/4X1/8 PLATED	1.000 EA
032130024GB	SHCS 7/8-9NC X 3" LONG PLATED	4.000 EA
16CB1001A01	CONDUIT BOX MACH. GROUP C MTRS	1.000 EA
16CB1501A01	CONDUIT BOX LID MACH.GRP C MTRS 16CB1501	1.000 EA
032130014CB	SHCS 3/8-16X1-3/4 PLTD.	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
032130012EB	SHCS 5/8-11X1-1/2 PLTD.	8.000 EA
034017018AB	LCKW 5/8"	8.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA

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406099000A	PLUG - FAN COVER 320-440	1.000 EA
032018008DK	HHCS 1/2-13X1 PLATED	1.000 EA
034036012AB	LCKW EXTERNAL TOOTH 1/4"	1.000 EA
MG1025G05	WILKOFAS, 789.227, MED. GRAY CHAR. MET.	0.750 GA
033775004EA	DRSCR #6-1/4 304 S.S.	8.000 EA
034180044JA	KEY 3/4X3/4X5-1/2 L	1.000 EA
604797045	STD. 400 FRAME SKID	1.000 EA
032510024D	CARRIAGE BOLT - 444	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	2.000 EA
034001016AB	WSHR .562ID 1.375OD .109	2.000 EA
033300014AC	HEX NUT, SHIPPING - 400	2.000 EA
604797003C	SHIPPING BAG	1.000 EA

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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: X/P, UNDERWRITERS LISTED

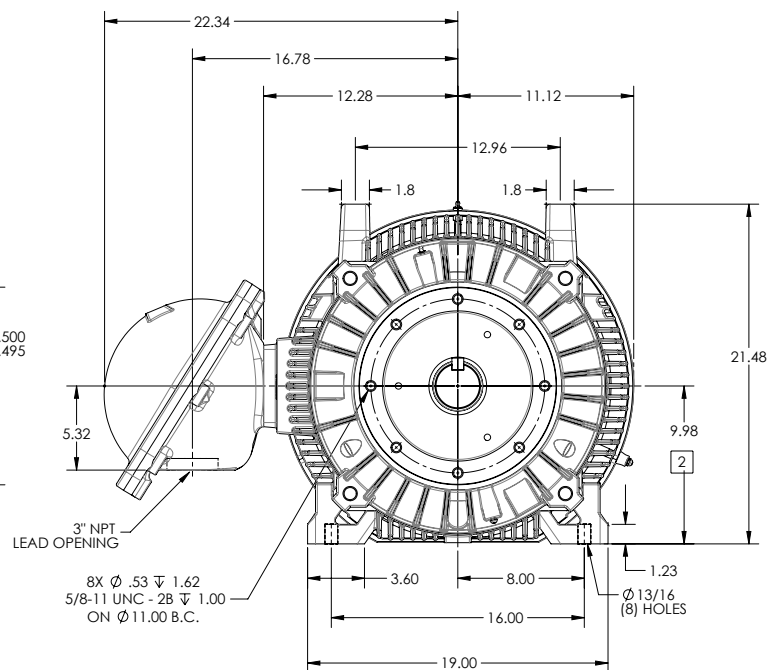
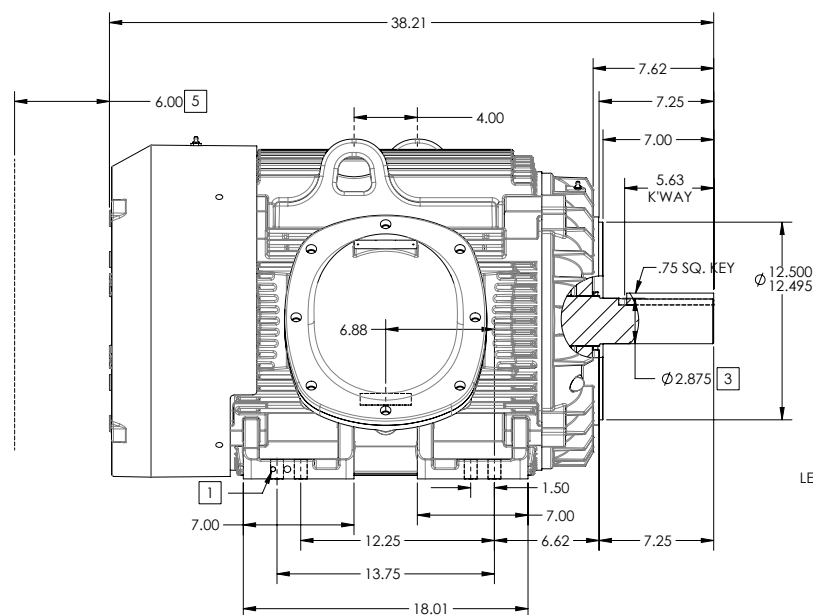
FRAME G405TC

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TC FRAME MOUNTING HOLES

XT/ECP SEVERE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-.06
3. VARIES +.00,-.001
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[4] WEIGHT (LBS): 1400

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .003\" T.I.R. TO 5 INCH DIA.

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

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

SHEET NUMBER
1 OF 2

617433-533

REV. DESC: NEW	VERSION: 00	REVISED: 09-17-54 11/20/2015	TDR: 000000926001
MODEL NO. 617433-533	REF:	BY: RAGTBM	Material:

BALDOR

G405TC/404TC XP TEFC/FOOT DRILL RIG DUTY,16CB1001A01 BOX

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: X/P, UNDERWRITERS LISTED

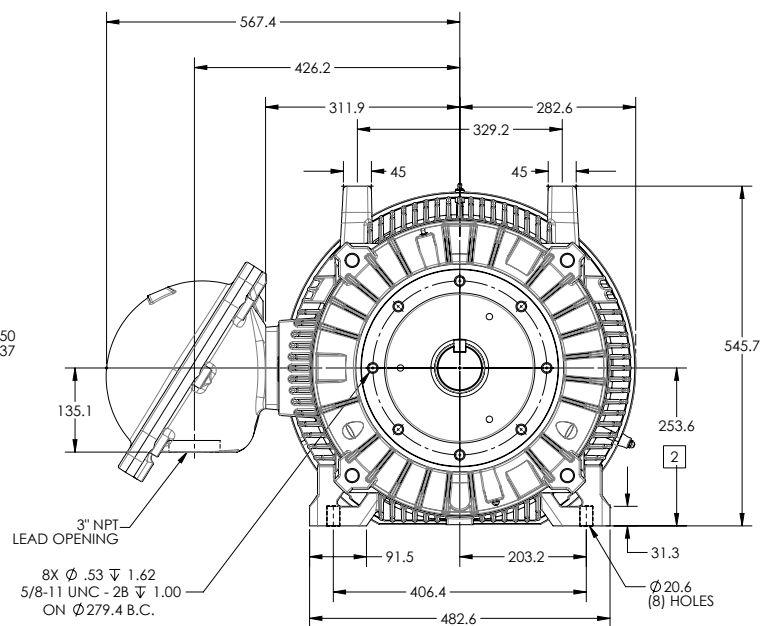
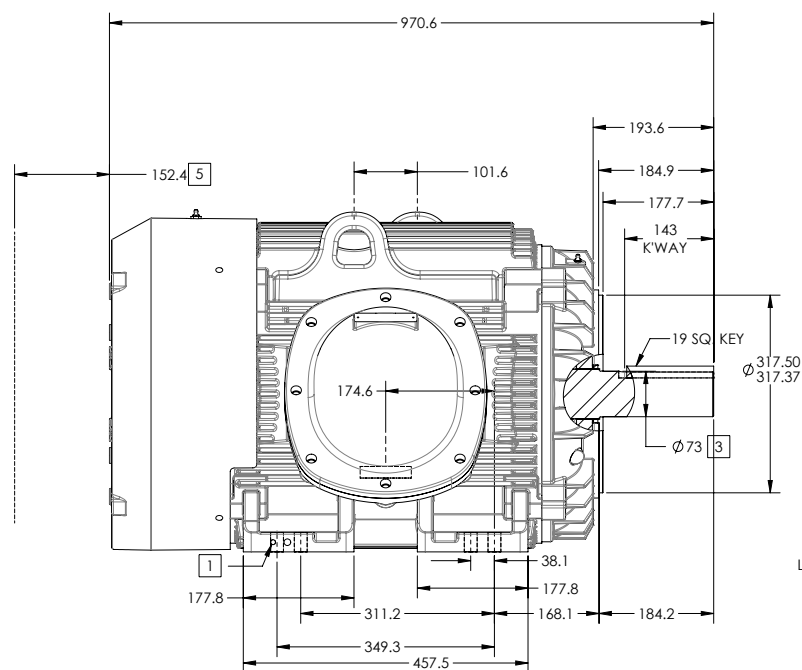
FRAME G405TC

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TC FRAME MOUNTING HOLES

XT/ECP SEVERE DUTY ENCLOSURE



1. GROUND HOLES QTY 1 1/2-13 TAP; QTY 1 3/8-16 TAP
2. VARIES +.00,-1.5MM
3. VARIES +.00,-.025MM
4. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
5. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

[6] MASS (KGS): 635

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.
MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF
STANDARD SHAFT EXTENSION IS .076MM T.I.R. TO 130MM DIA.

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

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

SHEET NUMBER
2 OF 2

SES-ESP219

REV. DESC: NEW	VERSION: 00	REVISED: 09-17-54 11/20/2015	TDR: 000000926001
MODEL NO. 617433-533	REF:	BY: RAGTBM	Material:

BALDOR

G405TC/404TC XP TEFC/FOOT/DRILL RIG DUTY,16CBI001A01 BOX

CONNECTION DIAGRAM
ACCESSORIES

MOTOR WINDING THERMOSTATS			
CONTACTS _____ @ _____ °C			
FIGURE NUMBER _____			
VOLTS		CONTACT RATING CONTINUOUS AMPERES	INRUSH AMPERES
110-120		3.0	30
220-240		1.5	15
440-480		0.75	7.5
550-600		0.60	6.0

THERMOSTATS	
NORMALLY CLOSED	NORMALLY OPEN
FIGURE 1	FIGURE 4
FIGURE 2	FIGURE 5
FIGURE 3	FIGURE 6
FIGURE 7	FIGURE 8

CUSTOMER _____ CUSTOMER ORDER NO. _____ S.D. NO. _____

418174-006

418174-006

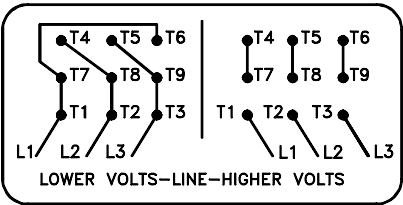
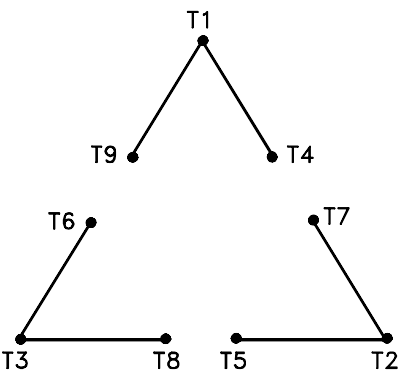
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MTL: -		

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A-C MOTOR CONNECTION ACCESSORIES
SH 1 of 1

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		
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BALDOR	
CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
SH 1 of 1	

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Marketing maintained PDF of MN416:

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