

BALDOR® • RELIANCE

Product Information Packet

ECP4402T

100HP,3565RPM,3PH,60HZ,405TS,A40060M,TEF

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40060M	Elec. Spec:	A40WG0022	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617429-502
Frame:	405TS	Mounting:	F1	Poles:	02	Created Date:	07-15-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-07-2016
Leads:	3#2,6#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3238

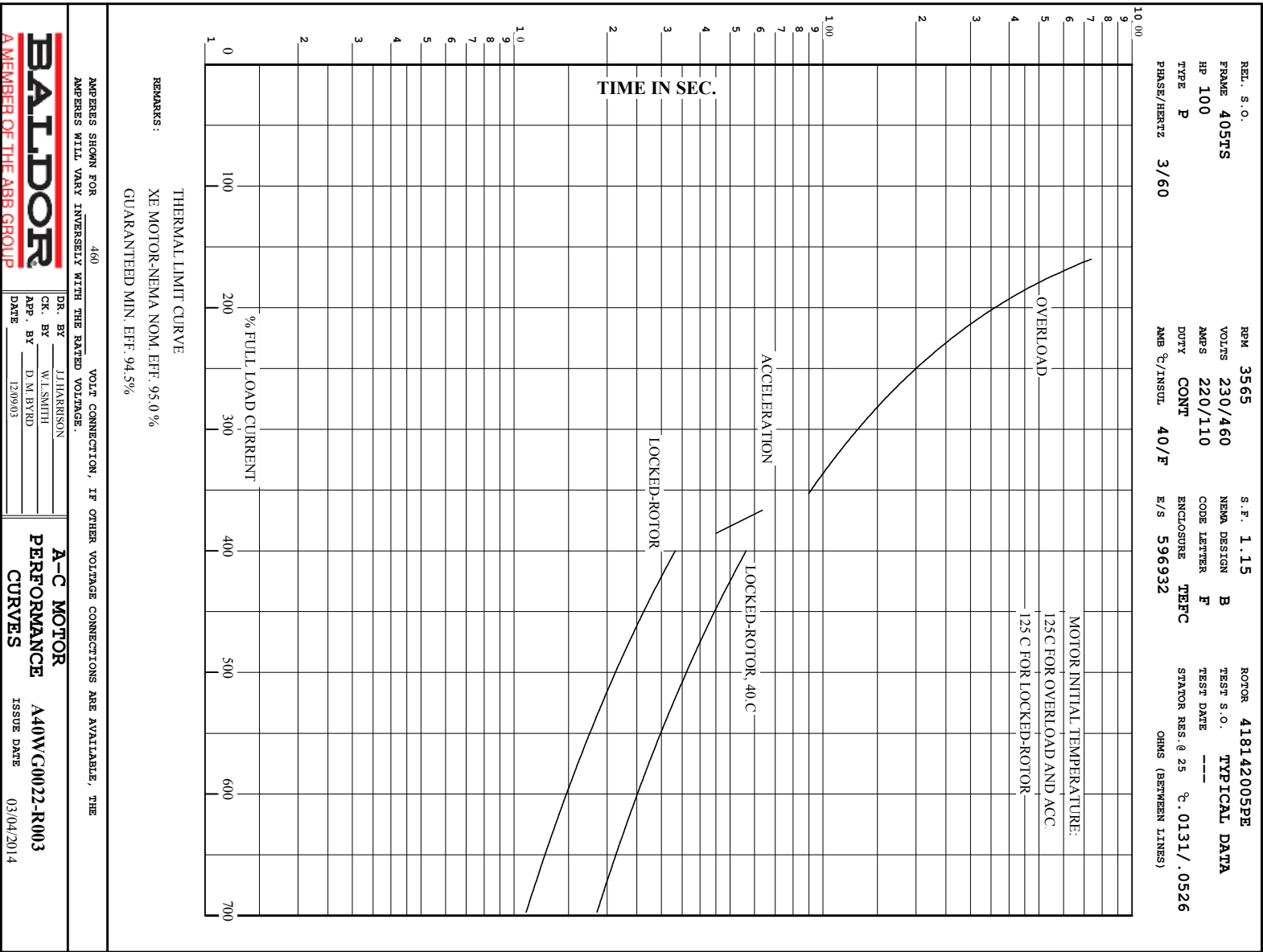
CAT NO	ECP4402T	SPEC NO.	P40G3905		
HP	100	AMPS	220/110	VOLTS	230/460
FRAME	405TS	RPM	3565	DESIGN	B
D.E. BRG.DATA	6313	HZ	60	AMB	40
D.E. BRG.	65BC03J30X	TYPE	P	SF	1.15
O.D.E. BRG.	65BC03J30X	O.D.E. BRG.DATA	6313	PH	3
3/4 LOAD EFF.	95.1	ENCL	TEFC	DUTY	CONT
TEMP CODE	T3	POWER FACTOR	90	INSUL.CLASS	F
CHP HZ	60-75	MAX CORR KVAR	10.0	NEMA NOM EFFICIENCY	95
INVERTER-TEMP-CODE	T3	TEMP =	200	GUARANTEED EFFICIENCY	94.1
SER.NO.		CT HZ	6-60	VT HZ	0-60
		MOTOR WEIGHT	1327		

Parts List		
Part Number	Description	Quantity
SA267696	SA P40G3905	1.000 EA
RA254366	RA P40G3905	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
000692000FF	N/P	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034180008DA	KEY 1/4X1/4X1 L (shipping)	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
083198101A	G400 STD FAN COVER MACHINING	1.000 EA
034692005AA	P PLUG 3/4"BLK.	1.000 EA
089413501A	G400 FIN/MACH FT MTD BRKT 089413500WCA	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
412118006A	DRAIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
702675001D	FAN 250-440	1.000 EA
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018022CK	HHCS 3/8-16X2-3/4 PLTD	3.000 EA
034530040AB	P/NIP 1/8X5 GALV.	1.000 EA
034530040BB	P/NIP 1/4X5	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
089413501A	G400 FIN/MACH FT MTD BRKT 089413500WCA	1.000 EA
415045002E	SLGR	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
412118006A	DRAIN	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 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
415000103H	TERMINAL LUG	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA

Product Information Packet: ECP4402T - 100HP,3565RPM,3PH,60HZ,405TS,A40060M,TEF

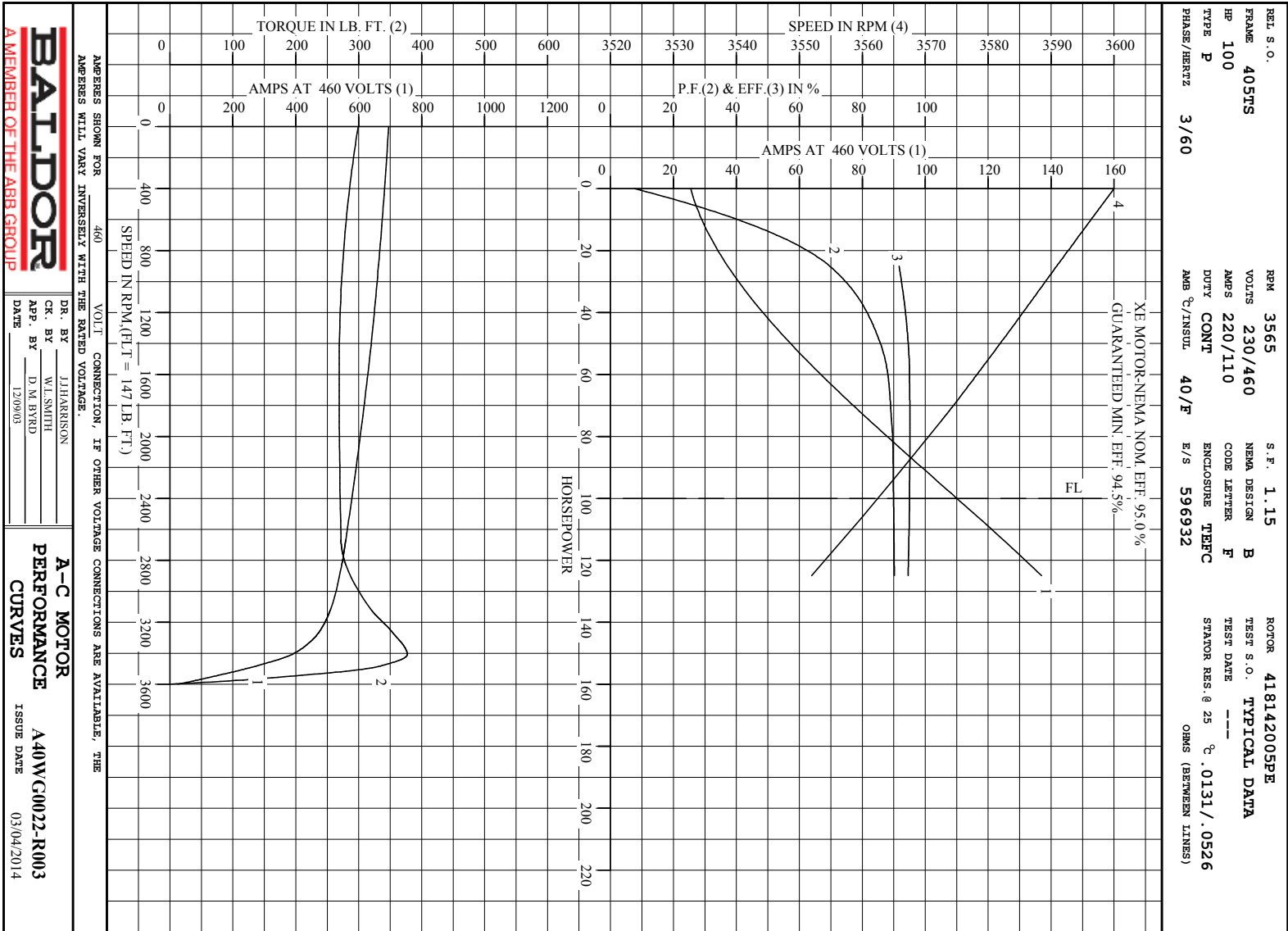
034180022GA	KEY 1/2X1/2X2-3/4 L	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.250 GA
004824003CBY	WILKO PAINT 060.02 - ACTIVATOR	0.063 GA
421948032	LABEL, MYLAR	1.000 EA
PK5004A02	WOOD BASE 40X32 STACK 2X4 RUNNER	1.000 EA
LB1449	DIV-2/NEC WARNING LABEL	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
032018005DL	1/2-13 X 5/8 SILICON BRONZE HHCS	1.000 EA



REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	405TS	100	P	3/60	3565	230/460
AMPS	DUTY	AMB ^{°C} / INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
220/110	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 ^{°C} OHMS (BETWEEN LINES)		
596932	418142005PE	---	---	.0131/.0526		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	25.6	3600	7.57	0	
1/4	25.0	36.7	3591	69.7	91.7	
2/4	50.0	57.7	3582	85.8	94.6	
3/4	75.1	82.7	3572	89.3	95.1	
4/4	100	110	3563	89.9	95.0	
5/4	125	137	3552	90.2	94.6	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	203	299	695		
PULL UP	1545	182	269	632		
BREAKDOWN	3408	256	377	387		
FULL LOAD	3563	100	147	110		
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 A MEMBER OF THE ABB GROUP	DR. BY	J. J. HARRISON
	CK. BY	W. L. SMITH
	APP. BY	D. M. BYRD
	DATE	12/09/03
A-C MOTOR PERFORMANCE DATA		A40WG0022-R003 ISSUE DATE 03/04/20

Printed on 3/4/14 7:42 @ ragun



Printed on 3/4/14 7:42 @ fagsun

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

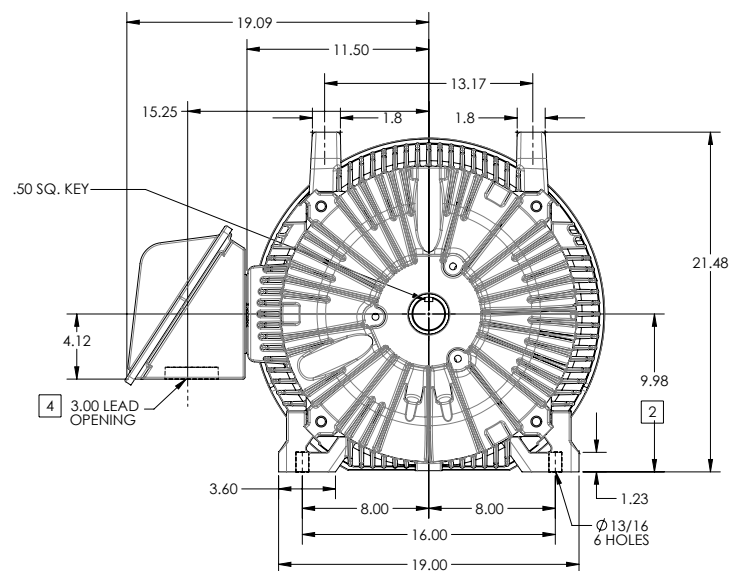
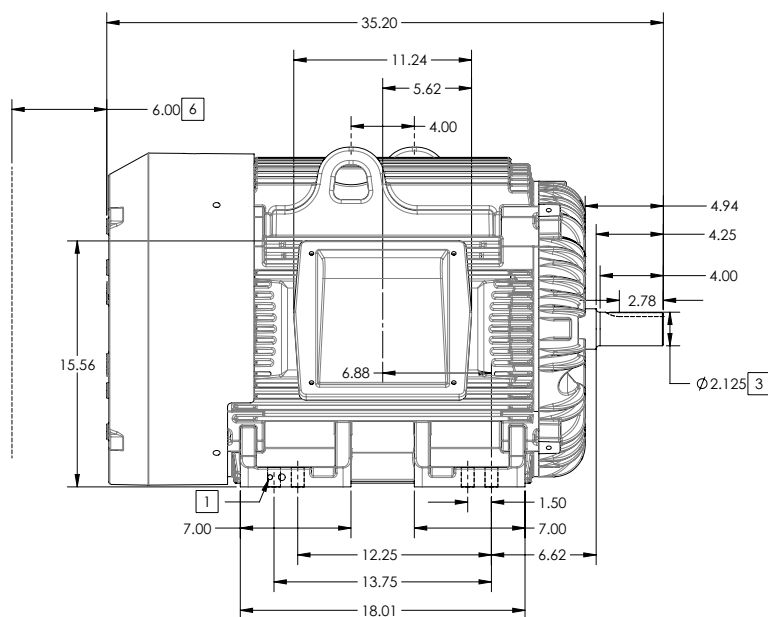
FRAME G405TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TS 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 +.000-.001
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCROACH ON AIR INLET

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.

[5] WEIGHT (LBS): 1160

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

005-6272119

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 000000848770
REV: B VERSION: 02	REVISED: 04/53/02 04/16/2014
MODEL NO. 617429-502	REF:
BY: RAGTBM	Material:

BALDOR

G405TS/404TS STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

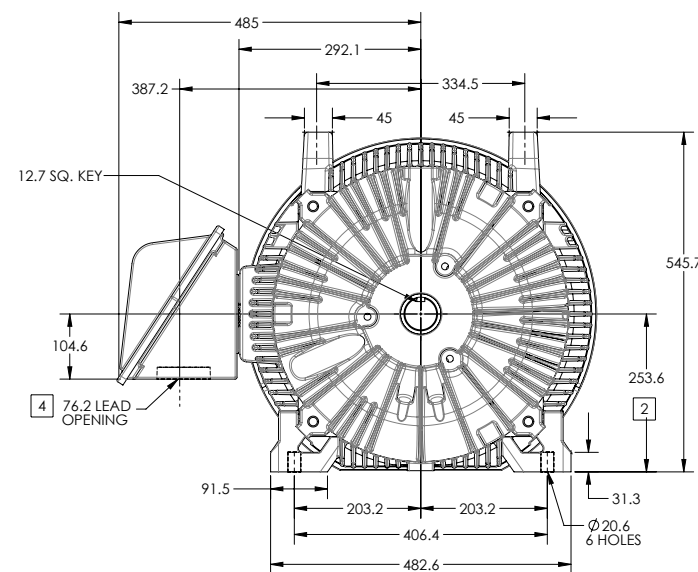
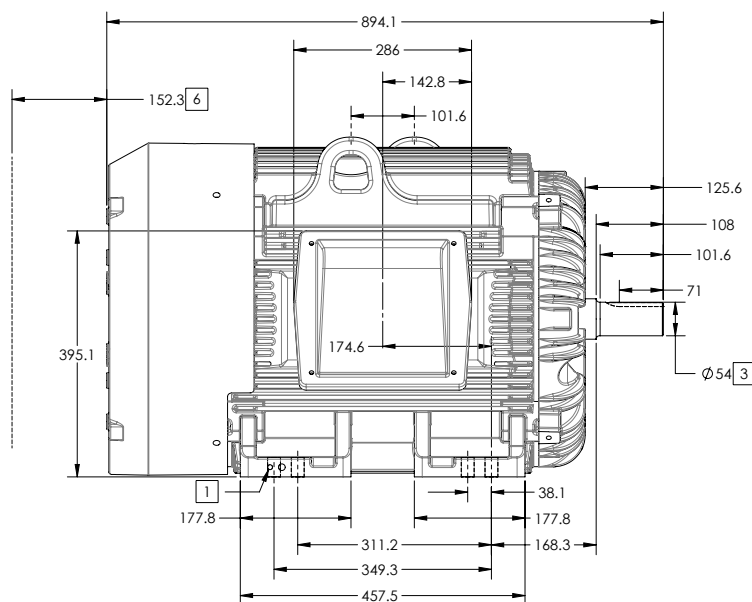
FRAME G405TS ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404TS 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 +0,-1.5
3. VARIES +00,-.03
4. ON STANDARD MOTORS THIS IS CONDUIT SIZE. ON XT AND CORROSION PROOF MOTOR THIS IS PIPE TAP.
5. MOTOR WEIGHTS MAY VARY BY 15% DEPENDING ON RATING.
6. OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET

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 .08 MM T.I.R. TO 127 MM DIA.

[5] WEIGHT (KGS): 530

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

005-6272119

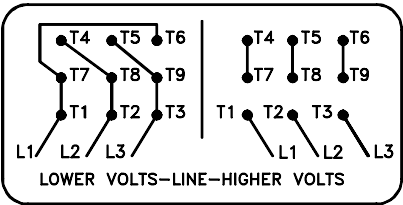
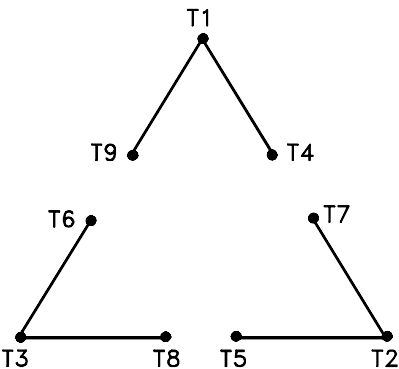
REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 000000848770
REV: B VERSION: 02	REVISED: 04/53/02 04/16/2014
MODEL NO. 617429-502	REF:
BY: RAGTBM	Material:

BALDOR

G405TS/404TS STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

416820-002

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



(N.P. 1575-B)

REV. DESC: LOADED TO BUS, C/R 335225		
REV. LTR: -	VERSION: 00	TDR: 000000538207
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010
MTL: -		BY: RAGRA

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

416820-002

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>