

BALDOR® • RELIANCE

Product Information Packet

ECP4418T-4

60HP,890RPM,3PH,60HZ,405T,TEFC,F1

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A40060M	Elec. Spec:	A40WG0789	CD Diagram:	416820-036
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	617429-501
Frame:	405T	Mounting:	F1	Poles:	08	Created Date:	12-04-2013
Base:		Rotation:	R	Insulation:	B	Eff. Date:	08-12-2015
Leads:	3#4					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2496L

MOBIL POLYREX EM

Nameplate NP3238

CAT NO	ECP4418T-4	SPEC NO.	A40-4849-0789		
HP	60	AMPS	76	VOLTS	460
FRAME	405T	RPM	890	DESIGN	B
D.E. BRG.DATA	6316	HZ	60	AMB	40
D.E. BRG.	80BC03J30X	O.D.E. BRG.DATA	6316	SF	1.15
O.D.E. BRG.	80BC03J30X	TYPE	P	PH	3
3/4 LOAD EFF.	93.7	ENCL	TEFC	DUTY	CONT
TEMP CODE	T3A	POWER FACTOR	79	INSUL.CLASS	F
CHP HZ	60-90	MAX CORR KVAR	20.0	NEMA NOM EFFICIENCY	93
INVERTER-TEMP-CODE	T3A	TEMP =	180	GUARANTEED EFFICIENCY	91.7
SER.NO.		CT HZ	6-60		
		VT HZ	0-60		
		MOTOR WEIGHT	1216		

Parts List		
Part Number	Description	Quantity
SA273152	SA A40-4849-0789	1.000 EA
RA259755	RA A40-4849-0789	1.000 EA
421948051	LABEL, MYLAR	1.000 EA
000692000FF	N/P	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABEL	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP3238	SS CP XEX SEVERE DUTY MAIN NP	1.000 EA
089412501A	BRKT FTMT G400 FIN MACH 6316 89412500WCA	1.000 EA
083198124	G400 STD FAN COVER MACH. 083198101A	1.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
412118006A	DRAIN	2.000 EA
702618004T	FAN KB 182/70 (112) 440	1.000 EA
004824015A	GREASE POLYREX EM	0.880 LB
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
032018026CK	HHCS 3/8-16X3-1/4 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
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034530056BB	P/NIP 1/4X7 SCHED 40	1.000 EA
089412501A	BRKT FTMT G400 FIN MACH 6316 89412500WCA	1.000 EA
032018020EK	HHCS 5/8-11X2-1/2 PLTD.	4.000 EA
032018026CK	HHCS 3/8-16X3-1/4 PLTD.	3.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034692005AA	P PLUG 3/4"BLK.	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
415045002B	SLGR	1.000 EA
034530040BB	P/NIP 1/4X5	1.000 EA
034631002AB	BUSH 1/4 TO 1/8 PLTD.	1.000 EA
034530040AB	P/NIP 1/8X5 GALV.	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
076708000BB	C/B - 360	1.000 EA
415039016A	TERBD, 360-400	1.000 EA
076709000A	C/B - 360	1.000 EA
067053000B	GASK 320-400	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
032018010CK	HHCS 3/8-16X1-1/4 PLTD.	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
415000103H	TERMINAL LUG	1.000 EA
033512008LB	HHTTS 1/4-20X1 PLATED	4.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
034000014AB	WSH ID.406 OD.812 TH.065	4.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA

Product Information Packet: ECP4418T-4 - 60HP,890RPM,3PH,60HZ,405T,TEFC,F1

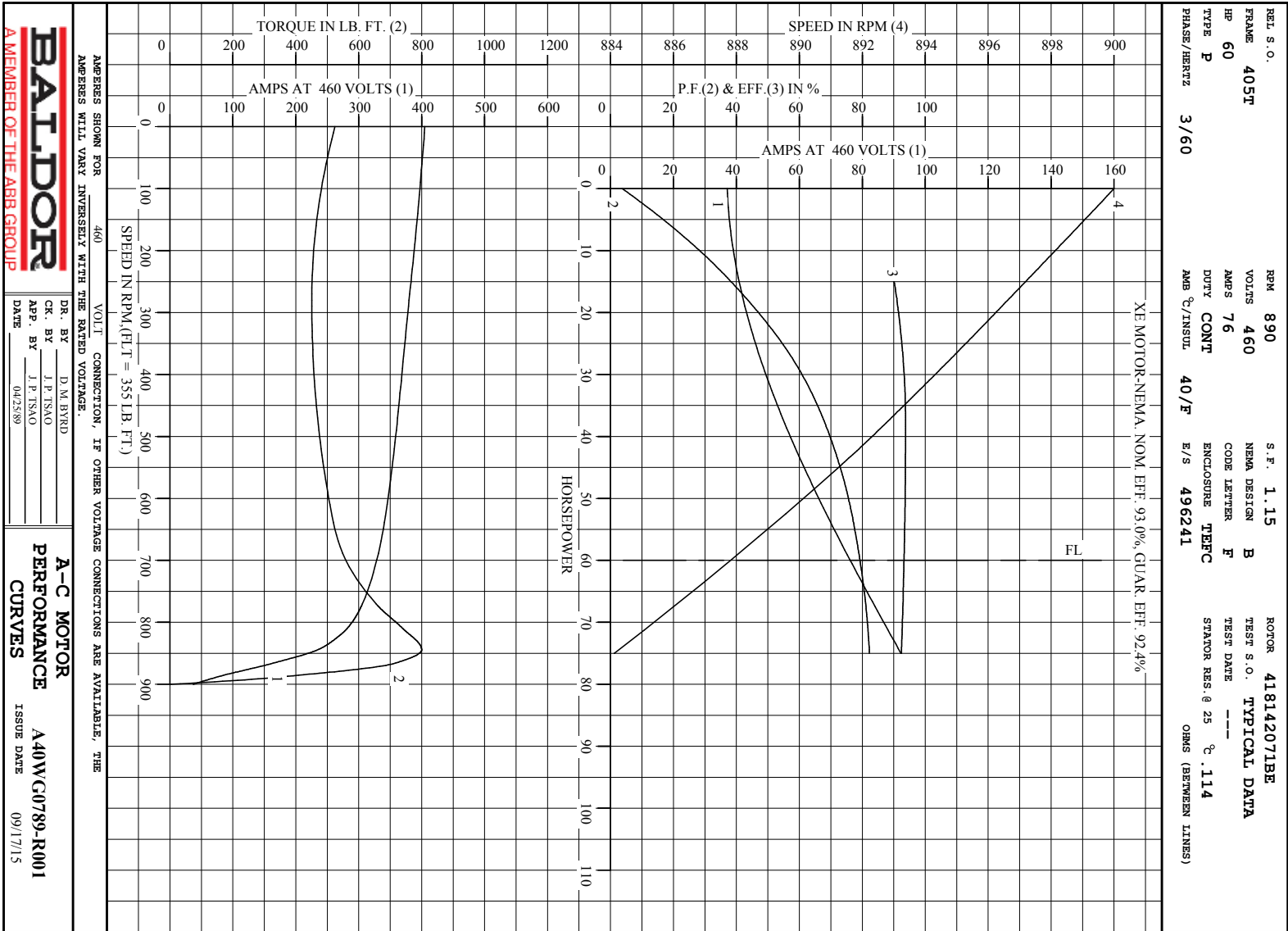
418150003A	GREASE FITTING CAP	1.000 EA
MG1025N19	WILKO 778.50 BLUE GREEN - 55 GAL DRUMS	0.380 GA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034180044JA	KEY 3/4X3/4X5-1/2 L	1.000 EA
PK5004A02	WOOD BASE 40X32 STACK 2X4 RUNNER	1.000 EA
032510024D	CARRIAGE BOLT - 444	2.000 EA
034001014AB	FLAT WASHER 3/8"PLATED	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
LB1449	DIV-2/NEC WARNING LABEL	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
	405T	60	P	3/60	890	460
AMPS	DUTY	AMB [°] C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
76	CONT	40/F	1.15	B	F	TEFC
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 [°] C OHMS (BETWEEN LINES)		
496241	418142071BE	---	---	.114		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	POWER FACTOR	% EFFICIENCY	
NO LOAD	0	37.2	900	3.70	0	
1/4	15.0	40.7	897	38.4	90.2	
2/4	30.0	49.5	894	60.9	93.3	
3/4	45.0	61.6	891	73.0	93.7	
4/4	60.0	76.0	888	79.3	93.3	
5/4	75.0	92.3	884	82.3	92.4	
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	148	525	405		
PULL UP	280	127	451	380		
BREAKDOWN	844	225	800	235		
FULL LOAD	888	100	355	76.0		

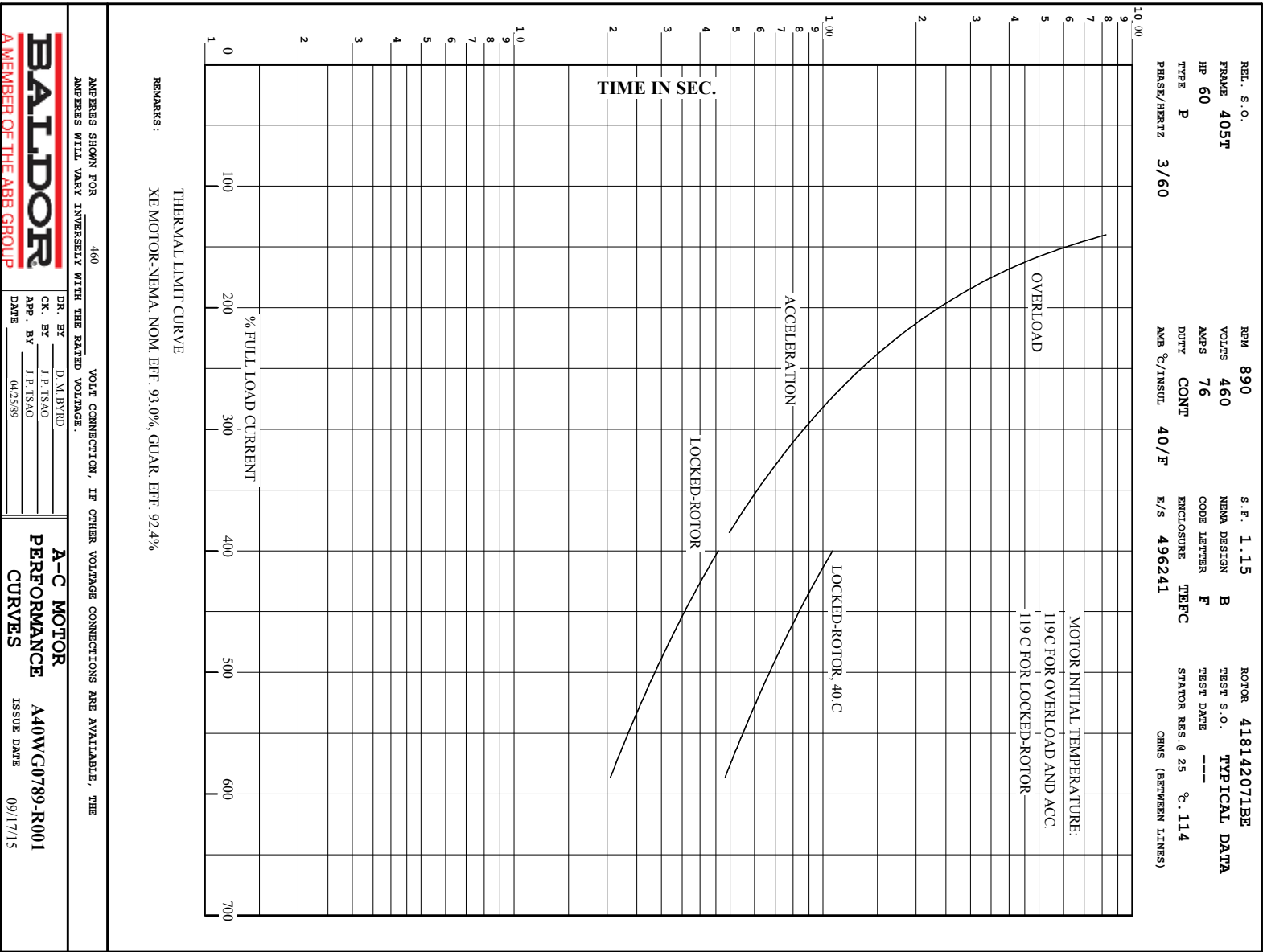
AMPERES SHOWN FOR 460. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS: TYPICAL DATA
XE MOTOR-NEMA. NOM. EFF. 93.0%, GUAR. EFF. 92.4%

BALDOR A MEMBER OF THE ABB GROUP	DR. BY	D. M. BYRD	A-C MOTOR PERFORMANCE DATA A40WG0789-R001 ISSUE DATE 09/17/15
	CK. BY	J. P. TSNO	
	APP. BY	J. P. TSNO	
	DATE	04/25/89	



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DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

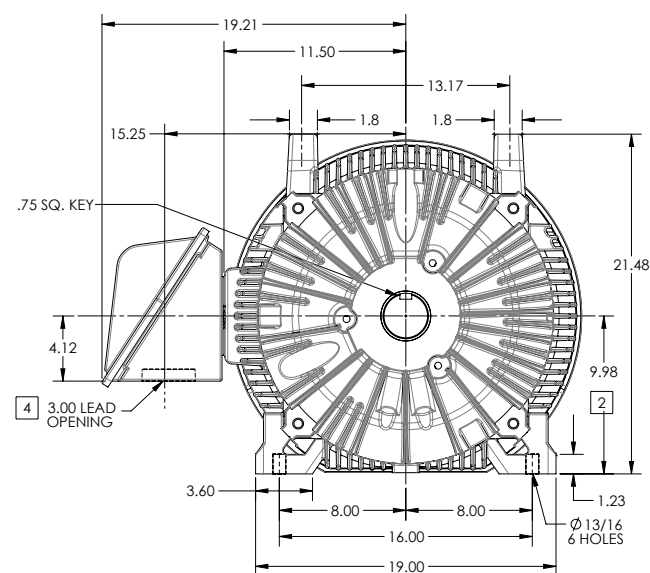
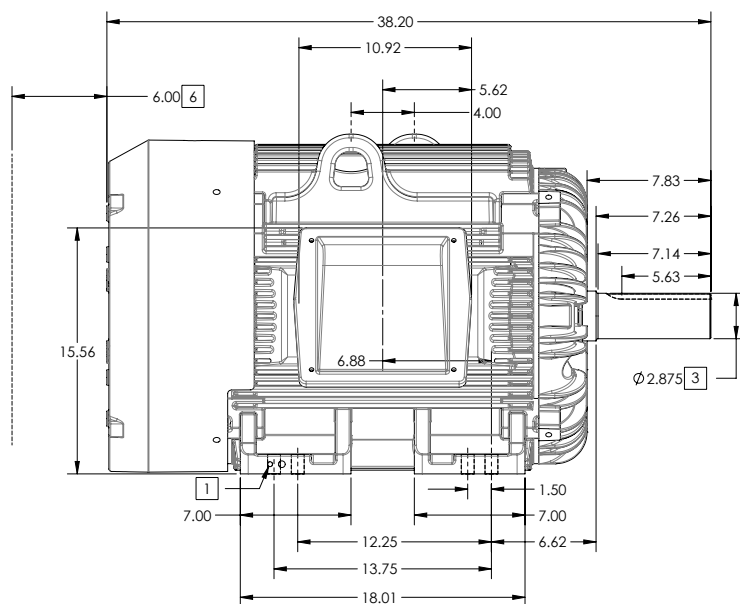
FRAME G405T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404T 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): 1370

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

105-627-119

REV. DESC: CHANGE BA FROM 6.76 TO 6.62		TDR: 000000848770
REV: B	VERSION: 02	REVISED: 01-11-16 04/14/2014
MODEL NO. 617429-501	REF:	
BY: MGHUMZ2	Material:	

BALDOR

G405T/404T STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED

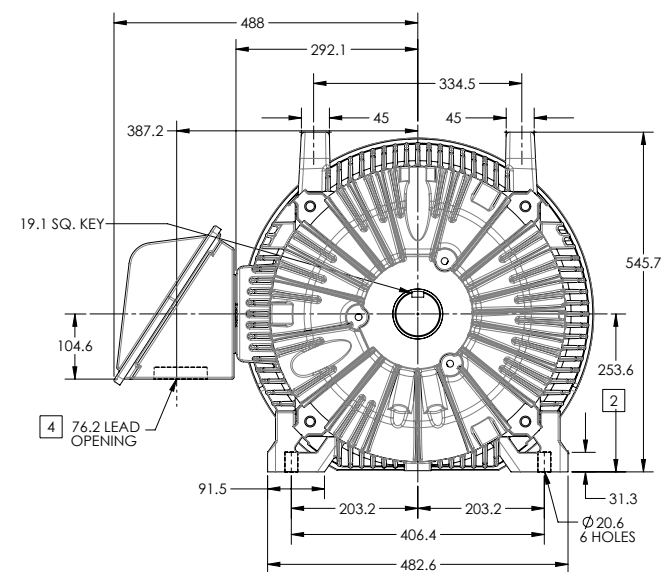
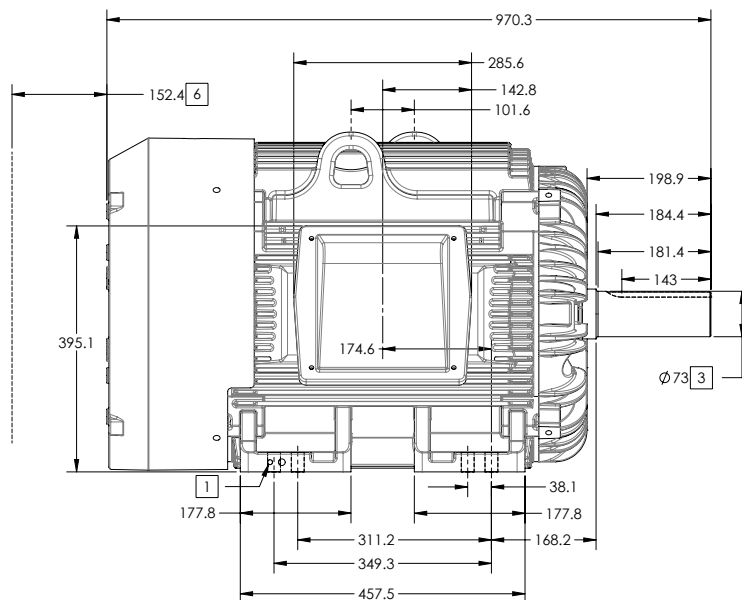
FRAME G405T ABOVE NEMA RATINGS

COOLING: FAN COOLED

MOUNTING: FOOT

INCLUDES 404T 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): 630

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

105-627219

REV. DESC: CHANGE BA FROM 6.76 TO 6.62	TDR: 000000848770
REV: B VERSION: 02	REVISED: 01-11-16 04/14/2014
MODEL NO. 617429-501	REF:
BY: MGHUMZ2	Material:

BALDOR

G405T/404T STD - FOOTED - XT/ECP SEVERE DUTY ENCLOSURE

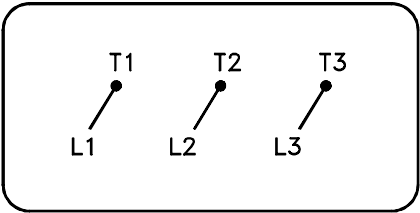
416820-036

A-C MOTOR

CONNECTION DIAGRAM

STANDARD 3 LEAD

CONNECTED



(N.P. 1575-BA)

416820-036

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR CONN DIAG - STANDARD 3 LEAD SH 1 of 1
REV. LTR: -	VERSION: 00	TDR: 000000538207	
FILE: \MGA\00000\682		REVISED: 11: 54: 06 04/30/2010	
MTL: -		BY: RAGRA	

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>