

BALDOR® • RELIANCE

Product Information Packet

CP58702S-4

700HP,3583RPM,3PH,60HZ,5810,A58256M,TEFC

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A58256M	Elec. Spec:	A58WG4860	CD Diagram:	416820-025
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	616151-138
Frame:	5810	Mounting:	F1	Poles:	02	Created Date:	10-27-2014
Base:		Rotation:	R	Insulation:	F	Eff. Date:	03-21-2016
Leads:	3#1/0 (04 per group) 4824-6-FB					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613007QB

ENERGY EFFICIENT			SERIAL NO.		
CATALOG NO.	CP58702S-4		SPEC NO.	A58-0806-4860	
HP	700	RPM	3583	FRAME	32AG5810S
VOLTS	460	F.L. AMPS	767	HZ	60
NEMA NOM. EFF	95.9	F.L.P.F.	89	PHASE	3
DESIGN	-	NEMA CODE	G	TYPE	
		C RISE/	115	AT	
D.E. BRG.	65BC03J40X		HP	805	AMPS
WDG. THERMAL	100 OHM PLATINUM		QTY.	6	
LUBE	POLYREX EM				
VOLTS	120	AMPS	4.16	WATTS	500
CERTIFICATE OF COMP NO.	LR53258				
	PWM INV-1800-3600CT,360-3600VT		105 R/RES @ 700HP, 767A INV		
	NEMA NOM EFF = 95.8%				

Nameplate 000692000UY		
T. CODE	T2B	
CL I DIV 2 GR	C & D	
MOTOR I.D. NO.		CL II DIV 2 GR

Parts List		
Part Number	Description	Quantity
SA289005	SA A58-0806-4860	1.000 EA
RA275186	RA A58-0806-4860	1.000 EA
482406100FB	1/0 AWG, UL3374,BLACK,600V,BELDEN #37190	103.000 FT
419512002A	ID TAG, ROLL LAC	0.002 RL
041009000RE	00TERMINAL LUG	12.000 EA
041009000RE	00TERMINAL LUG	12.000 EA
041009038M	INT. LEAD LUG	12.000 EA
001575000BA	N/P LAC	1.000 EA
000692000SC	N/P	5.000 EA
482406100FB	1/0 AWG, UL3374,BLACK,600V,BELDEN #37190	24.000 FT
606800016D	RTD LAC	7.000 EA
069306003B	CABLE TIE 14 T&B L14509C	9.000 EA
482413004Y	#4 SLEEVING (GREEN) PER FT	12.000 FT
419512012SG	LABELS, HEAT SHRINK SET	1.000 EA
034692001AB	HCSPP 1/8" PLATED	2.000 EA
616144049A	INNER CAP ODE G5810 6313 ENGLISH	1.000 EA
032018004BK	HHCS 5/16-18X1/2 PLATED	4.000 EA
424231001A	SLT FLAT C'T'S'K' HDMS	1.000 EA
410700002J	WAVY WSHR,ODE CAP	1.000 EA
616144054R	INNER CAP DE G5810 6313 ENGLISH INSUL.	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	4.000 EA
035051013AA	BBLCW W-13 BLACK OXIDE	2.000 EA
616145009A	THERMAL BARRIER, LAC	1.000 EA
034692001AB	HCSPP 1/8" PLATED	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
T-0346-8	HALF KEY BALANCE 004600044H	1.000 EA
415826011C	INSUL WSHR ODE CAP	1.000 EA
415915007C	GASK, LAC	1.000 EA
482418000DZ	THERMAL COMPOUND	64.000 OZ
041009000RA	T/LUG GRND. STATOR	1.000 EA
032018005DK	HHCS 1/2-13X5/8 PLATED	1.000 EA
034017016AB	LCKW 1/2" PLATED	1.000 EA
482406400FB	4/0 AWG,UL3374,BLACK,600V,BELDEN # 37140	12.000 FT
036150030NA	SKHD SSCR;STAT;BT-G508	4.000 EA
ML4100D02	02 WIRE, LEAD, GRN-XLPE, FT-4	240.000 IN
MP1011A01	4 MIL X 12FT X 100 FT POLYETHYLENE	0.100 RL
032018004AG	HHCS 1/4-20X1/2 316 S.S.	10.000 EA
PK5006A10	WOOD BASE SHIPPING BASE G5012	1.000 EA
410700000DD	WAVY WASHER FAN-	1.000 EA
034141162AB	RETAINER RING,FAN	1.000 EA
034017013AB	LCKW 5/16 STD. PLATED	4.000 EA
034017012AB	LCKW 1/4 STD. PLATED	8.000 EA
807454011B	BRACKET FE INSUL 6313 GP	1.000 EA
033102013AB	NUT 5/16-18 PLATED	4.000 EA
034630002AJ	PP CPLG ODE	1.000 EA
032018036CK	HHCS 3/8-16X4-1/2 PLTD.	4.000 EA
035000001AB	ALFTG CAT.NO.1627-B PLTD	1.000 EA
807461019X	FAN COVER ODE	1.000 EA
034530074CB	PP NIPP ODE GRS DR	1.000 EA

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034530098BB	PP NIP ODE GRS FL	1.000 EA
034630003AJ	PP CPLG DE GRS DR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
034017013AB	LCKW 5/16 STD. PLATED	4.000 EA
034000016AB	WSHR .531ID 1.062OD .095	3.000 EA
032130024HB	HSHCS 1-8X3" PLATED	5.000 EA
035000001F	RELIEF FTG. G/DRN	1.000 EA
034600002AB	BUSH,DE BRKT	1.000 EA
032375006HE	#8-32 X 3/4 SL RHMS	2.000 EA
415915001A	GASK, LAC	7.000 FT
033050001F	IBOLT	2.000 EA
034017028AC	1.25 STD LK WASHER	2.000 EA
482413004Y	#4 SLEEVING (GREEN) PER FT	30.000 FT
482415000A	GREASE (MOBIL POLYREX EM)	1.461 LB
034186023FA	KEY ODE FAN	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	3.000 EA
049843019E	PLTE NNN 049843049WCA	1.000 EA
065774015A	TBRD 180-280	1.000 EA
067236010AF	SPACE HEATER	2.000 EA
075458000AF	CONDUIT BOX	1.000 EA
415917004A	N/P	1.000 EA
417213018A	CLAMP SPACE HTR	8.000 EA
482406010FS	WIRE #10, SP HTR ORDER BY THE FOOT	24.000 FT
482413003Y	#3 SLEEVING (GREEN)	3.000 FT
032018006AK	HHCS 1/4-20X3/4L PLATED	4.000 EA
032130004AB	HSHCS 1/4-20X1/2 PLATED	8.000 EA

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034530022HB	1-1/2 X 2.75 PPNIP	1.000 EA
049843019G	PLTE 320 049843048WCA	1.000 EA
071421043G	C/BOX WDG RTD	1.000 EA
032375005HB	RHMS 8-32X5/8L PLATED	4.000 EA
032018007CK	HHCS 3/8-16X7/8L PLATED	4.000 EA
034530022HB	1-1/2 X 2.75 PPNIP	1.000 EA
403938056A	GASK, LAC	1.000 EA
403938055A	GASK, TBOX MTG, LAC	2.000 EA
032018010DK	HHCS 1/2-13X1-1/4 PLATED	4.000 EA
041009003F	TERMINAL LUG	2.000 EA
041009029D	12-10BUTT CONNECTOR 350 J	6.000 EA
032018005CK	HHCS; 3/8X5/8	3.000 EA
705547086R	FAN, LAC	1.000 EA
403938027E	GASK, LAC	1.000 EA
041009003D	T & B LUG (A116)	18.000 EA
803076066A	SPCR TERM.BOX,G40/G5810,ENG. CSA	1.000 EA
032018016DK	HHCS 1/2-13X2L PLTD.	4.000 EA
709239013B	AIR INLT BAFF FC -13A	1.000 EA
412043012A	PLUG	2.000 EA
412043012C	PLUG - 210	1.000 EA
402558011A	BREATHER-DRAIN	1.000 EA
402558011A	BREATHER-DRAIN	1.000 EA
034690004AB	PPLG 1/2" PLATED	2.000 EA
034690004AB	PPLG 1/2" PLATED	2.000 EA
807454011A	BRACKET BE INSUL 6313 GP	1.000 EA
032018036CK	HHCS 3/8-16X4-1/2 PLTD.	4.000 EA

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035000001AB	ALFTG CAT.NO.1627-B PLTD	1.000 EA
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
710607001WPA	THRM BARRIER BRKT, LAC	1.000 EA
034530074CB	PP NIPP ODE GRS DR	1.000 EA
034630002AJ	PP CPLG ODE	1.000 EA
034630003AJ	PP CPLG DE GRS DR	1.000 EA
034017014AB	LCKW 3/8 STD. PLATED	4.000 EA
412043012C	PLUG - 210	2.000 EA
032130024HB	HHSHCS 1-8X3" PLATED	5.000 EA
034530098BB	PP NIP ODE GRS FL	1.000 EA
035000001F	RELIEF FTG. G/DRN	1.000 EA
041009000Z	T/LUG LEADS T&B C10-14	2.000 EA
482413004Y	#4 SLEEVING (GREEN) PER FT	2.000 FT
034017012AB	LCKW 1/4 STD. PLATED	4.000 EA
415045002L	SLGR	1.000 EA
034600002AB	BUSH,DE BRKT	1.000 EA
067236010AF	SPACE HEATER	2.000 EA
415916013L	T/BLK S/HTR LAC	2.000 EA
406744033A	CONNECTOR, CABLE	1.000 EA
803077034R	AIR DEFL G5810 BLTD ENG CSA	1.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
034000012AB	WSHR 1/4 STD. PLATED	4.000 EA
034017016AC	LCKW 1/2 MED.316S.S.	1.000 EA
415915007A	GASKET, LAC	1.000 EA
415915007B	GASK, 46" LAC	1.000 EA
419512012SG	LABELS, HEAT SHRINK SET	1.000 EA

482406010DB	#10 LEAD CABLE	1.000 FT
417311007A	GROUND STUD, BRG.	1.000 EA
034690002AB	"unbulked" PPLG 1/4" PLTD.	4.000 EA
034691008AB	1 1/2 PIPE PLUG- BIN STOCK	2.000 EA
034690004AB	PPLG 1/2" PLATED	4.000 EA
033101009AE	HXNUT GRD STUD	6.000 EA
ML4100D10	10 WIRE, LEAD, GRN-XLPE, FT-4	240.000 IN
705500006CL	GASK, TERM BOX, LAC, BTM. COVER	1.000 EA
032018014CG	HHCS 3/8-16X1-3/4 316S.S	6.000 EA
032018006CG	HHCS 3/8-16X3/4 316 S.S.	2.000 EA
032018014DG	HHCS1/2-13X1-3/4 3165SS	6.000 EA
034000014AC	WSHR 3/8 316 S.S - 320	6.000 EA
034000016AC	WSHR 1/2" 316 S.S.	6.000 EA
034017016AC	LCKW 1/2 MED.316S.S.	6.000 EA
034000016AC	WSHR 1/2" 316 S.S.	1.000 EA
034036016AC	EXT TOOTH LCKW 1/2 S.S.	6.000 EA
034017014AC	LCKW NO.10 316 S.S.	6.000 EA
034036012AC	LCKW 1/4 410 S.S.	6.000 EA
034036014AB	EX.TOOTH LCKW 3/8 PLTD.	6.000 EA
402558011B	COND. DRAIN T/BOX	1.000 EA
033004016DD	1/2-13 X 2.00 LG. STUD	2.000 EA
033004016CD	3/8-16 X 2.00 LG. STUD-bs	2.000 EA
033004016AD	STUD TERM BOX GRD	2.000 EA
004793014J	T/LUG GRD-T/BOX redrill 047024000D	1.000 EA
034017012AB	LCKW 1/4 STD. PLATED	2.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	2.000 EA

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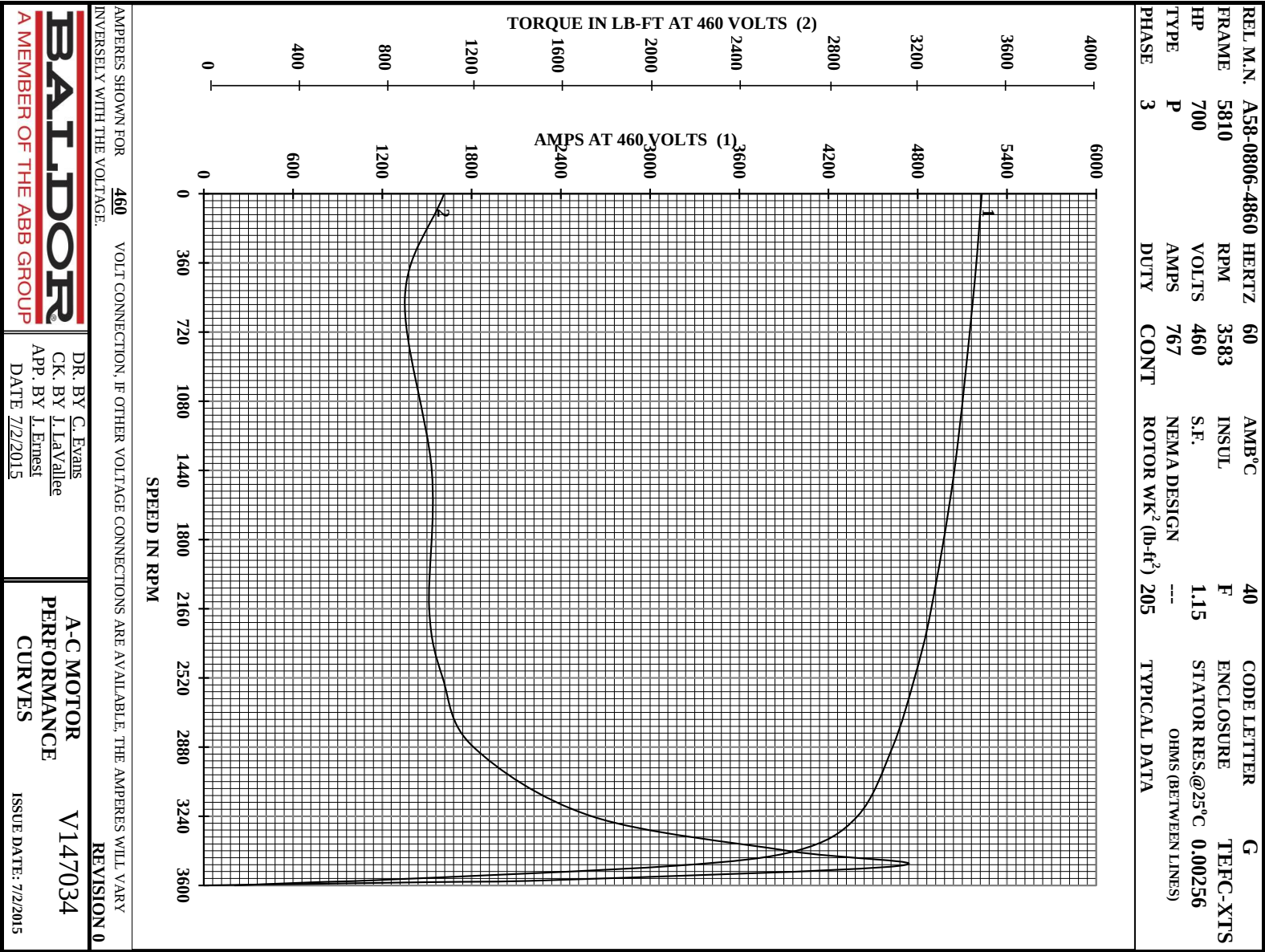
033512004LB	HHTTS 1/4-20X1/2 PLTD.	2.000 EA
615368005A	BRACE,TERM. BOX	1.000 EA
417247001A	THRD STUD,	13.000 EA
033102012AB	NUT 1/4-20 PLATED	12.000 EA
705500261V	TERMINAL BOX	1.000 EA
705500162XC	BACKPLATE,T/BOX	1.000 EA
705500006CM	GASK, TERM BOX, LAC, FRONT COVER	1.000 EA
705500006CM	GASK, TERM BOX, LAC, FRONT COVER	1.000 EA
404080000B	SEAL	6.000 EA
404080000D	WASHER	6.000 EA
404080000F	SEAL	2.000 EA
036000020LE	HHCS T/BOX GRD	1.000 EA
034017016AC	LCKW 1/2 MED.316S.S.	1.000 EA
032018006DG	1/2-13 X 3/4 HHCS (S	1.000 EA
034000012AC	WSHR 1/4" 316 S.S.	6.000 EA
LB1536	BONDING BOLT	20.000 EA
041009000RA	T/LUG GRND. STATOR	1.000 EA
418199008B	N/P	1.000 EA
033102012AE	NUT 1/4-20/316S.S-449	12.000 EA
033102012AE	NUT 1/4-20/316S.S-449	2.000 EA
048491001F	CLAMP BRG. RTD	10.000 EA
033102016AE	HEXNUT,FAN - 449	12.000 EA
033102014AE	NUT 3/8-16 316 S.S.	12.000 EA
419512004A	LEAD BAND, CABLE	1.000 EA
032018004AG	HHCS 1/4-20X1/2 316 S.S.	1.000 EA
402558004A	BRDRN- added to b/s 5/31	1.000 EA

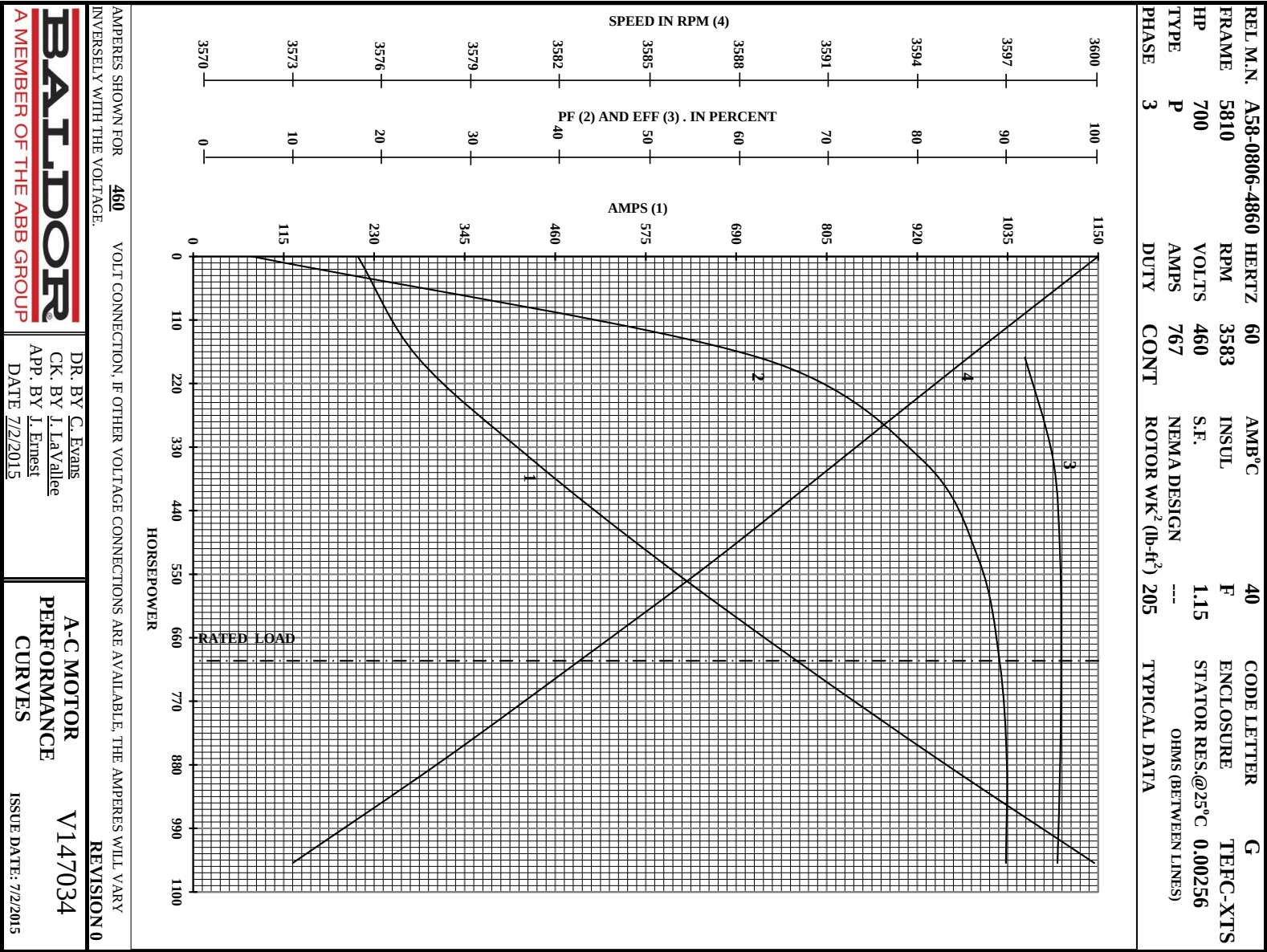
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419306099A	N/P - MAKE IN ASSEMBLY	1.000 EA
419306099B	N/P - MAKE IN ASSEMBLY	1.000 EA
419306099D	N/P - MAKE IN ASSEMBLY	1.000 EA
034691004AB	1/2 PIPE PLUG	2.000 EA
406673000B	PPLG	1.000 EA
412027034A	SUPPORT(T.B.) - G512	1.000 EA
415917001A	RTD TAG	4.000 EA
415916013C	T/BLK S/HTR LAC	1.000 EA
034691009AB	2 PIPE PLUG-GO510	1.000 EA
041009000Z	T/LUG LEADS T&B C10-14	12.000 EA
041009000T	TERMINAL LUG	24.000 EA
075459000A	C/BOX CVR W75459	1.000 EA
032130006AB	HSHCS 1/4-20X3/4L PLTD.	2.000 EA
065564000A	GASKET	1.000 EA
071422000A	C/BOX W 071422000	1.000 EA
047993000B	GASKET LAC	1.000 EA
032130007AB	HXSCHCS C/B CVR-449	10.000 EA
482418000L	SEALANT SILICONE	5.050 OZ
041009000AA	T/LUG GRD-T/BOX	12.000 EA
ML4100D10	10 WIRE, LEAD, GRN-XLPE, FT-4	120.000 IN
ML4100D02	02 WIRE, LEAD, GRN-XLPE, FT-4	120.000 IN
034180032HA	KEY 5/8X5/8X4 L bin stocked	1.000 EA
000613007QB	SS DUTY MASTER CSA-C US	1.000 EA
PK4110A11	SHAFT BLOCKING	1.000 EA
406255092A	NAME PLATE (PURCH)	1.000 EA
LB1532	BALDOR LABEL, 12.00 LONG X 2.00 HIGH	2.000 EA

406255394A	N/P	1.000 EA
000692000EP	N/P LAC	2.000 EA
MG1200G96	POLANE S PLUS – MED. CHARCOAL METALLIC	1.000 GA
000692000EF	CAUTION LABEL	1.000 EA
609911002E	COVER (C/BOX) - G510	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	10.000 EA
000692000CL	N/P	1.000 EA
000692000FR	WARNING, HIGH VOLTAGE LABEL	1.000 EA
406255121B	N/P	1.000 EA
406991001SL	INSTRUCTION MANUAL	1.000 EA
000692000UY	N/P	1.000 EA

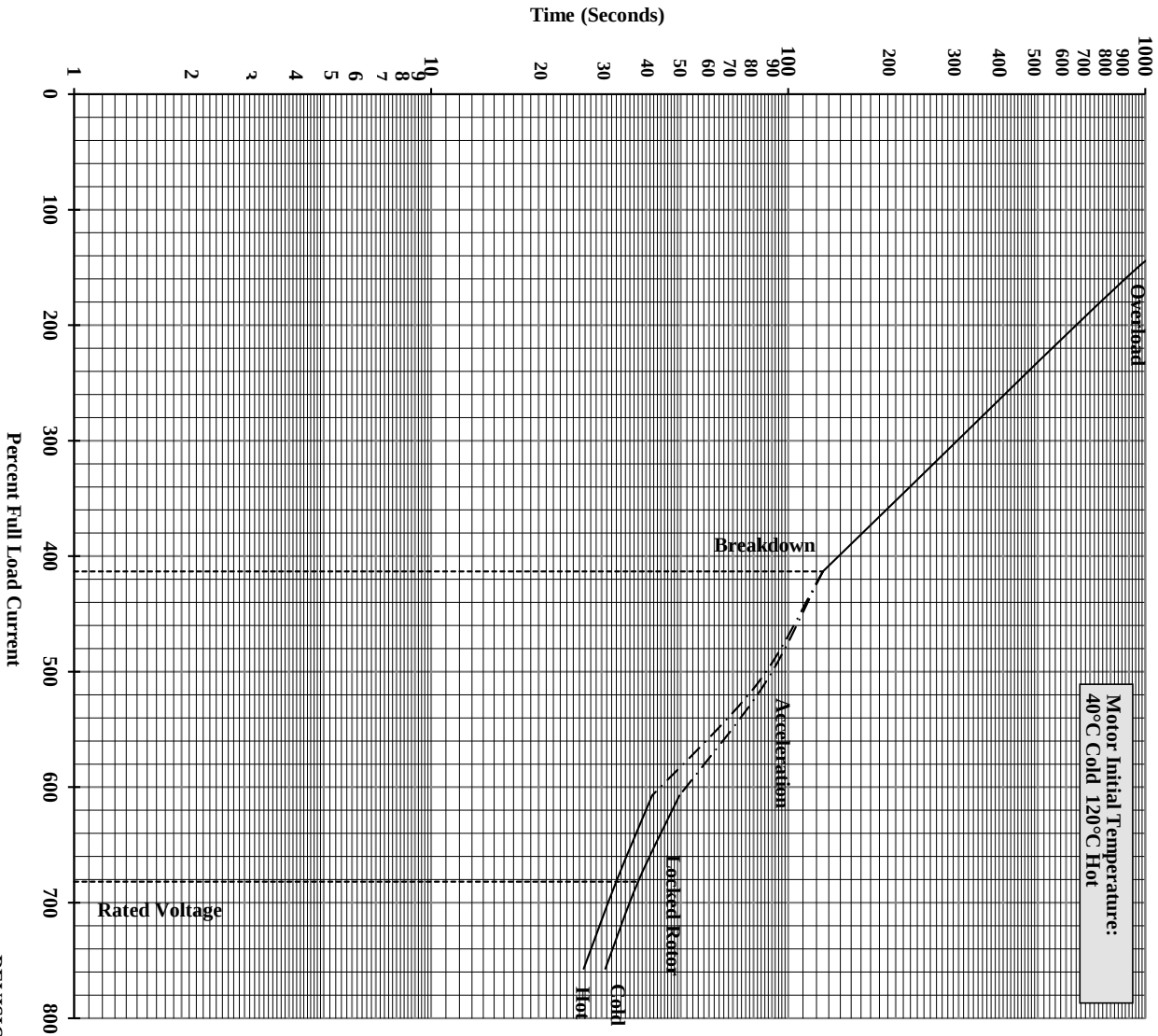
BALDOR -RELIANCE		FRAME	HP	TYPE	PHASE	HERTZ	RPM
MODEL NUMBER							
A58-0806-4860		5810	700	P	3	60	3583
VOLTS	AMPS	DUTY	AMB°C	INSUL.	S.F.	NEMA DESIGN	
460	767	CONT	40	F	1.15	---	
CODE LETTER	ENCL.	ROTOR WK ² (lb-ft ²)	STATOR RES.@25°C OHMS (BETWEEN LINES)		TYPICAL DATA		
G	TEFC-XTS	205	0.00256				
PERFORMANCE							
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY		
NO LOAD	0	209.2	3600	6.5	0.0		
1/4	175	285.6	3596	62.5	91.9		
2/4	350	429.3	3592	80.4	95.0		
3/4	525	591.2	3587	86.8	95.8		
4/4	700	767.1	3583	89.1	95.9		
5/4	875	951.7	3578	89.9	95.8		
6/4	1050	1145.1	3573	89.8	95.5		
SPEED TORQUE							
		RPM	TORQUE % FULL LOAD	TORQUE LB-FT	AMPERES		
LOCKED ROTOR	0		105	1077	5230.4		
PULL UP	540		88	901	5172.4		
BREAKDOWN	3498		307	3151	3169.7		
FULL LOAD	3583		100	1026	767.1		
AMPERES SHOWN FOR 460 VOLT CONNECTION(S). IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE VOLTAGE.							
REVISION 0							
BALDOR A MEMBER OF THE ABB GROUP		DR. BY C. Evans CK. BY J. LaVallee APP. BY J. Ernest DATE 7/2/2015		A-C MOTOR PERFORMANCE V147034 ISSUE DATE: 7/2/2015			





REL M.N.	A58-0806-4860	HERTZ	60	AMB°C	40	CODE LETTER	G
FRAME	5810	RPM	3583	INSUL.	F	ENCLOSURE	TEFC-XTS
HP	700	VOLTS	460	S.F.	1.15	STATOR RES.@25°C	0.00256
TYPE	P	AMPS	767	NEMA DESIGN	---	OHMS (BETWEEN LINES)	
PHASE	3	DUTY	CONT	ROTOR WK ² (lb-ft ²)	205	TYPICAL DATA	

THERMAL LIMIT CURVES



BALDOR
A MEMBER OF THE ABB GROUP

DR. BY C. Evans
CK. BY J. LaVallee
APP. BY J. Finest
DATE 7/2/2015

A-C MOTOR
PERFORMANCE
V147034
ISSUE DATE: 7/2/2015

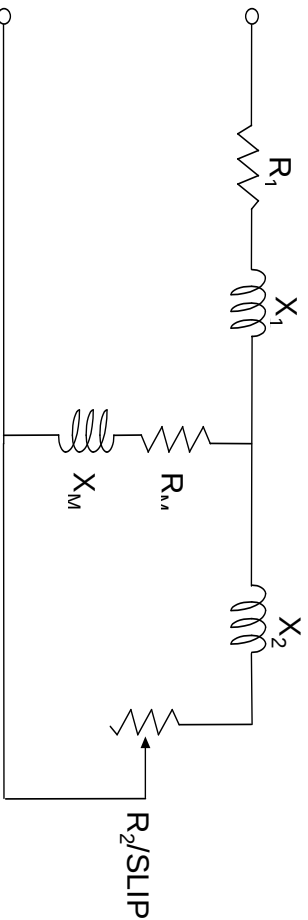
REVISION 0

REL. M.N.	A58-0806-4860	HERTZ	60	AMB°C	40	CODE LETTER	G
FRAME	5810	RPM	3583	INSUL.	F	ENCLOSURE	TEFC-XTS
HP	700	VOLTS	460	S.F.	1.15	STATOR RES. @25°C	0.00256
TYPE	P	AMPS	767	NEMA DESIGN	---	OHMS (BETWEEN LINES)	
PHASE	3	DUTY	CONT	ROTOR WK ² (lb-ft ²)	205	TYPICAL DATA	

EQUIVALENT CIRCUIT DATA

(Per Unit, Per Phase)

FULL LOAD				LOCKED ROTOR			
R_1	0.00413	X_1	0.07282	R_1	0.00334	X_1	0.07903
R_2	0.00426	X_2	0.09135	R_2	0.01654	X_2	0.04476
R_M	0.05834	X_M	3.07408	R_M	0.31079	X_M	2.87253
BASE OHMS				BASE VOLTS			
				266			
SC Time Constant				$X'' = X_s$			
				0.12379			
OC Time Constant				X/R Ratio			
				24.98			



Parallel Equivalent

FL R_M ' pu	162.0392	LR R_M ' pu	26.86064
FL X_M ' pu	3.07519	LR X_M ' pu	2.90616

R_1 = Stator dc resistance
 R_2 = Rotor resistance
 R_M = Core loss resistance
 SC = Short circuit
 OC = Open circuit
 X_1 = Stator leakage reactance
 X_2 = Rotor leakage reactance
 X_M = Magnetizing reactance
 FL = Full load
 LR = Locked rotor

 $X'' = X_s$ = Subtransient reactance

REVISION 0

BALDOR
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 DR. BY C. Evans
 CK. BY J. LaVallee
 APP. BY J. Finest
 DATE 7/2/2015

 A-C MOTOR
 PERFORMANCE
 CURVES

 V147034
 ISSUE DATE: 7/2/2015

REL M.N.	A58-0806-4860	HERTZ	60	AMB°C	40	CODE LETTER	G
FRAME	5810	RPM	3583	INSUL.	F	ENCLOSURE	TEFC-XTS
HP	700	VOLTS	460	S.F.	1.15	STATOR RES.@25°C	0.00256
TYPE	P	AMPS	767	NEMA DESIGN	---	OHMS (BETWEEN LINES)	
PHASE	3	DUTY	CONT	ROTOR WK ² (lb-ft ²)	205	TYPICAL DATA	

Recommended Winding and Bearing Temperatures

Stator Winding	Class B	Class F
Maximum Running Total Temperature	130 °C	155 °C
Alarm Total Temperature	135 °C	160 °C
Trip Total Temperature	145 °C	170 °C

Sleeve Bearings - Oil Lubricated	Bearing	Oil
Typical Running Total Temperature	93 °C	60 °C
Alarm Total Temperature	96 °C	70 °C
Trip Total Temperature	98 °C	75 °C

Anti-Friction Bearings - Grease Lubricated	Bearing	Grease
Typical Running Total Temperature	90 °C	80 °C
Alarm Total Temperature	110 °C	100 °C
Trip Total Temperature	120 °C	110 °C

Recommended Vibration Settings for Standard Motors

Speed (rpm)	Shaft Vibration (mils)		Bracket Vibration (mils)	
	Alarm	Shutdown	Alarm	Shutdown
3600	2.50	3.00	1.00	1.50
1800	3.00	3.50	2.00	2.50
1200	3.00	3.50	2.00	2.50
900 & Lower	3.00	3.50	2.00	2.50
Bracket Vibration (in/sec pk)				
			Alarm	Shutdown
All Speeds			0.20*	0.30*

* 0 to 1000 Hz Spectrum

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BALDOR
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 DR. BY C. Evans
 CK. BY J. LaVallee
 APP. BY J. Ernest
 DATE 7/2/2015

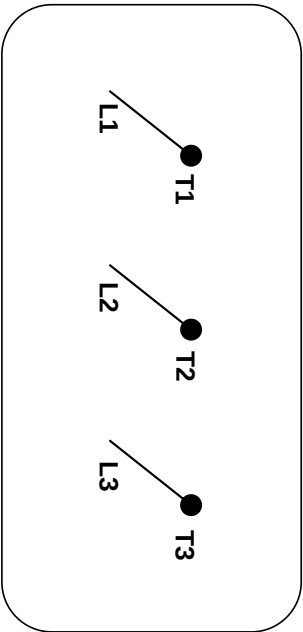
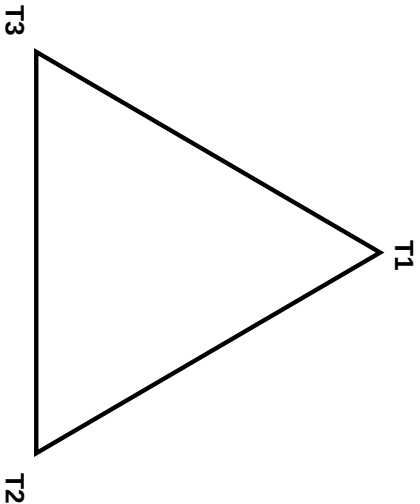
 A-C MOTOR
 PERFORMANCE
 CURVES

 V147034
 ISSUE DATE: 7/2/2015

REL M.N.	A58-0806-4860	HERTZ	60	AMB°C	40	CODE LETTER	G
FRAME	5810	RPM	3583	INSUL.	F	ENCLOSURE	TEFC-XTS
HP	700	VOLTS	460	S.F.	1.15	STATOR RES.@25°C	0.00256
TYPE	P	AMPS	767	NEMA DESIGN	---	OHMS (BETWEEN LINES)	
PHASE	3	DUTY	CONT	ROTOR WK ² (lb-ft ²)	205	TYPICAL DATA	

A-C MOTOR
CONNECTION DIAGRAM

STANDARD 3 LEAD DELTA CONNECTED



(N.P. 1575-BA)

REVISION 0

BALDOR A MEMBER OF THE ABB GROUP	DR. BY C. Evans CK. BY J. LaVallee APP. BY J. Ernest DATE 7/2/2015	A-C MOTOR PERFORMANCE CURVES	V147034 ISSUE DATE: 7/2/2015
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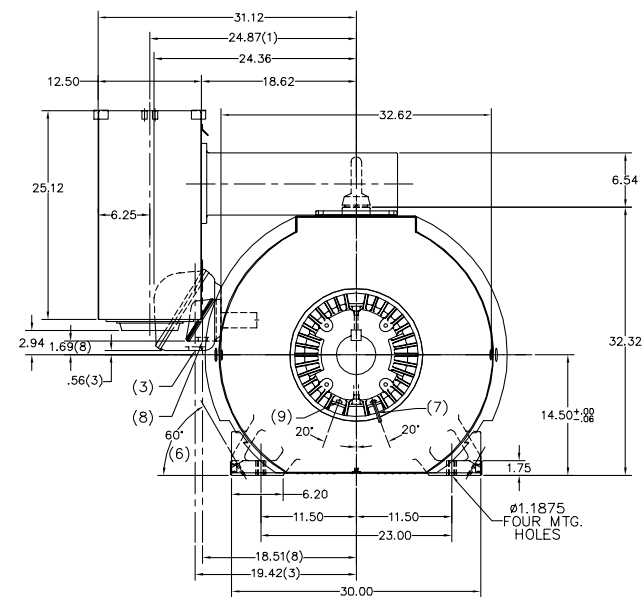
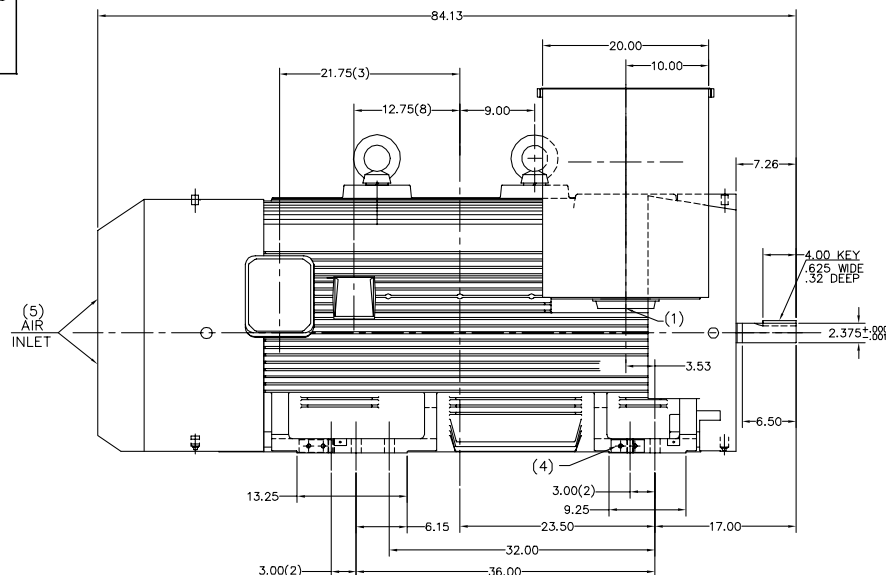
616151-138

DUTY MASTER ALTERNATING CURRENT MOTORS

ENCLOSURE: TOTALLY ENCLOSED
COOLING: FAN COOLED
MOUNTING: FOOT

SQUIRREL-CAGE INDUCTION
3600 RPM MAX
FRAME G5810S(COUPLED DUTY)

ANTI-FRICTION BEARINGS
ENGLISH HARDWARE



- (1) 6.0" N.P.T. FOR CUSTOMER POWER LEADS.
- (2) (4) 3/4"-10 JACKSCREW HOLES.
- (3) 2.0" N.P.T. FOR WINDING TEMPERATURE DETECTOR LEADS.
- (4) TWO GROUND PADS DIAGONALLY OPPOSITE EACH SIDE, WITH TWO 1/2"-13 TAPPED HOLES IN EACH.
- (5) WALL OR OBSTRUCTION MUST NOT ENCR OACH ON AIR INLET SPACE.
- (6) 1/4" HOLE PROVISIONS FOR DOWEL PINS, ONE HOLE EACH FOOT.
- (7) DRIVE END GROUND PROBE.
- (8) 3/4" N.P.T. FOR MOTOR SPACE HEATER LEADS.
- (9) 1/8" N.P.T. PROVISIONS FOR BEARING TEMPERATURE DETECTOR.

DIMENSIONS ARE IN INCHES

CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2 MOUNTING IS SPECIFIED.
IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT FACTORY.

MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED AT END OF STD. SHAFT EXTENSION IS .003 T.I.R.

MAXIMUM WEIGHT = 10,000 LBS.

ENGR. REF. S/O#: 107334367-180

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

REV. DESC: CHG KEYWAY SIZE AND RPM'S		
REV. LTR: A	VERSION: 01	TDR: 000000942163
FILE: \RSN\00029\947	REVISED: 11:04:30 09/08/2015	BY: RSNJEP
MTL: -		

BALDOR

G5810, TEFC, S/N, CPLD, 3600, A/F, 1, 20X25X12, U=2.375, XBA=17.00

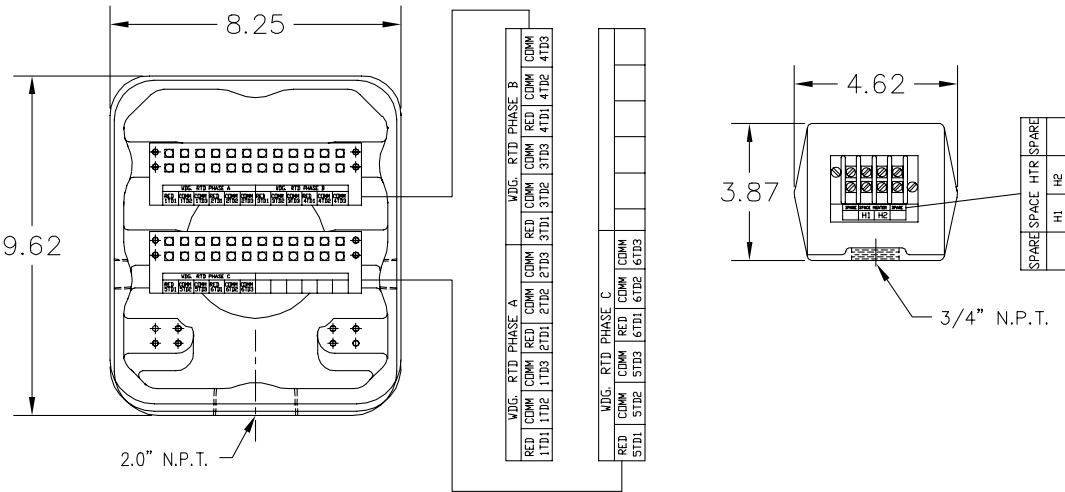
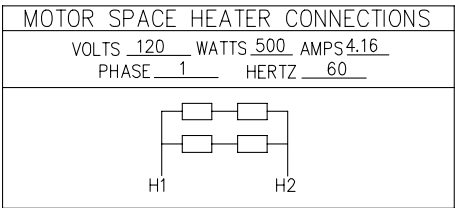
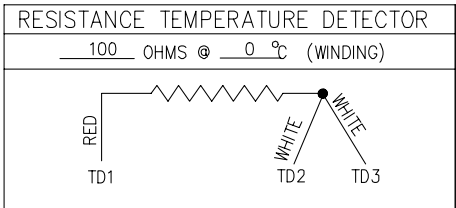
SH 1 of 2

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AUXILIARY CONNECTION DIAGRAM

VIEWS SHOWN WITHOUT COVERS



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.			
REV. DESC: CHG KEYWAY SIZE AND RPM'S	VERSION: 01	TDR: 000000942163	BALDOR G5810, TEFC, S/N, CPLD, 3600, A/F, F1, 20X25X12, U=2.375, XBA=17.00
REV. LTR: A	REVISED: 11:04:32 09/08/2015	BY: RSNJEP	
FILE: \RSN\00029\947			
MTL: -			

