

BALDOR® • RELIANCE

Product Information Packet

SUM710006-4

100HP,1165RPM,3PH,60HZ,360TY,TENV,FOOTL

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	W00971-A-A001	CD Diagram:	416820-036
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	066930-060
Frame:	360TY	Mounting:	V1	Poles:	06	Created Date:	04-09-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-29-2016
Leads:						Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613007AC		
CLASS I GROUP	C D X	NO.
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

Nameplate 000613007MN									
CAT NO	SUM710006-4		SPEC NO.	P36G2702					
HP	100	AMPS	122.	VOLTS	460	DESIGN	B		
FRAME SIZE	X0360TY	RPM	1165	HZ	60	AMB	40	SF	1.15
D.E. BRG.	90BJ33J30X		PH	3	DUTY	15MIN		INSUL	F
O.D.E. BRG.	50BC03JG30X		TYPE	P	ENCL	TENV		CODE	G
			POWER FACTOR			NEMA-NOM-EFF			
			MAX CORR KVAR			GUARANTEED EFFICIENCY			
				NEMA NOM/CSA QUOTED EFF @		100% LOAD			
SER.NO.			MOTOR WEIGHT	1500		LBS.			
	*15 MIN IN AIR ;SUB. IN								
	SEWAGE / WATER ONLY MAXDEPTH								
	IN MANUAL; P36G2702G								

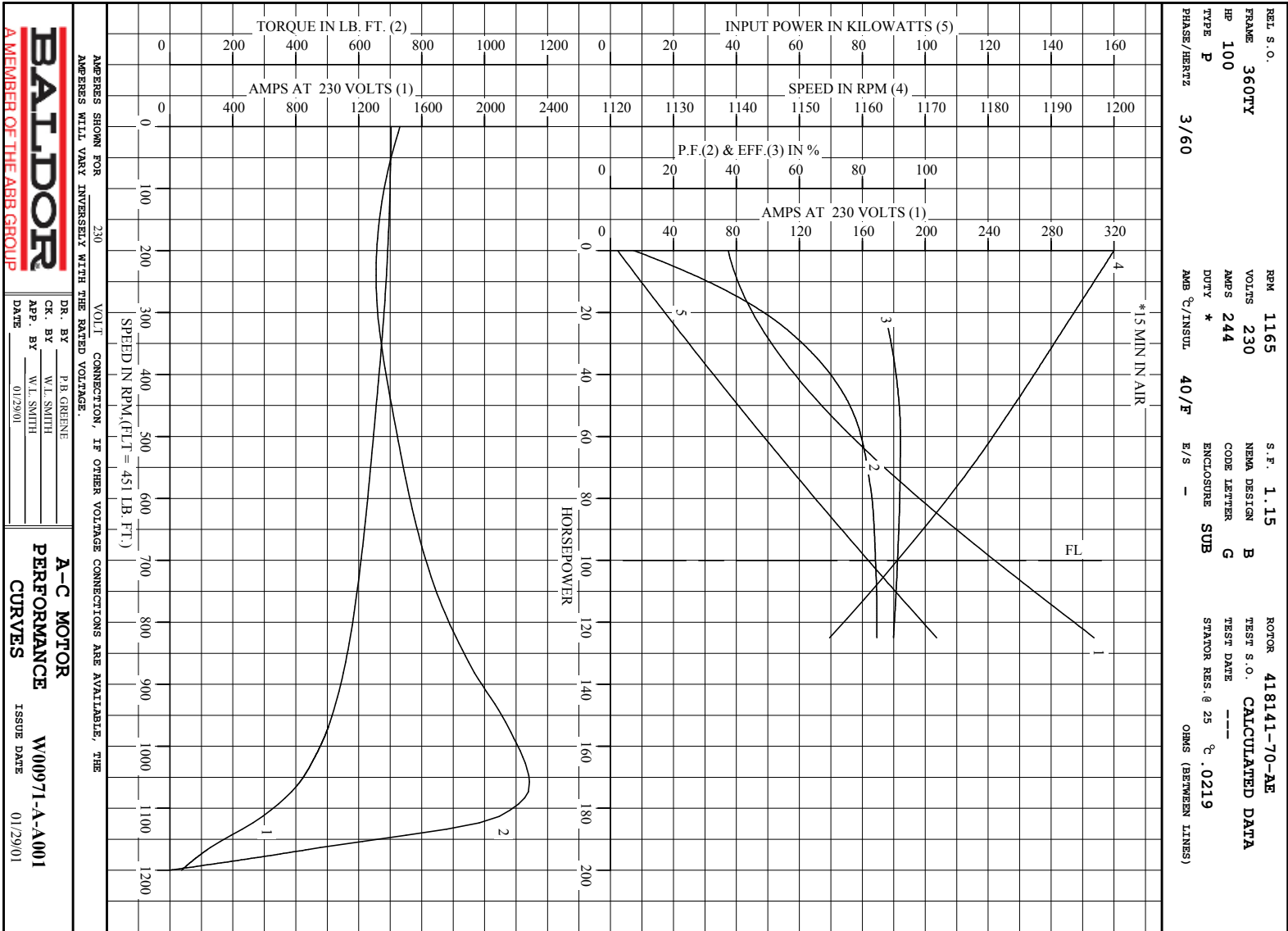
Nameplate 000613007MR

CAT NO	SUM710006-4	SPEC NO.	P36G2702	DESIGN	B
HP	100	AMPS	122.	VOLTS	460
FRAME SIZE	X0360TY	RPM	1165	HZ	60
D.E. BRG.	90BJ33J30X	PH	3	AMB	40
O.D.E. BRG.	50BC03JG30X	DUTY	15MIN	ENCL	TENV
		TYPE	P	INSUL	F
		POWER FACTOR		CODE	G
		MAX CORR KVAR		NEMA-NOM-EFF	
				GUARANTEED EFFICIENCY	
SER.NO.		NEMA NOM/CSA QUOTED EFF @		100% LOAD	
		MOTOR WEIGHT	1500	LBS.	
	*15 MIN IN AIR ;SUB. IN				
	SEWAGE / WATER ONLY MAXDEPTH				
	IN MANUAL; P36G2702G				

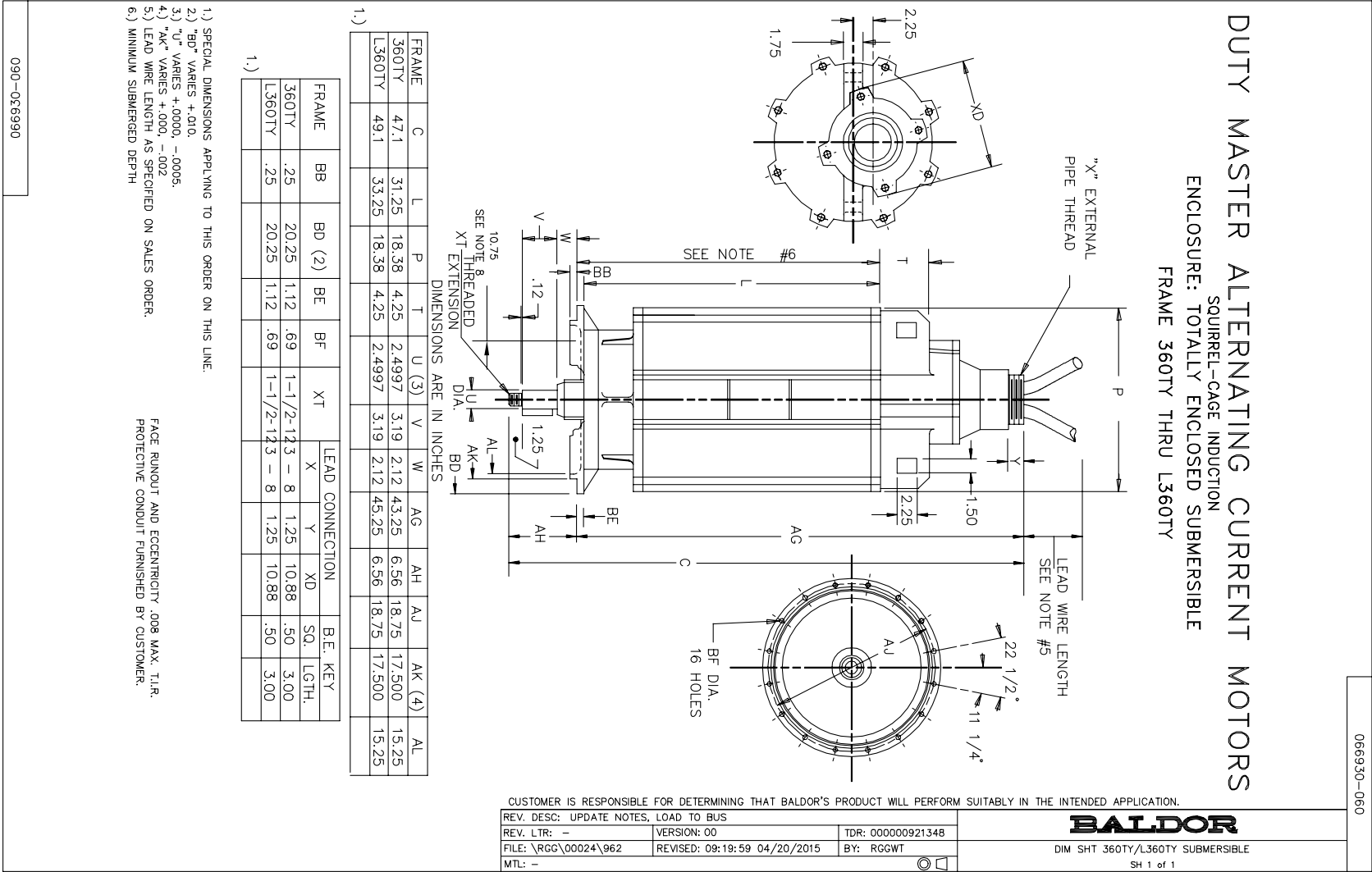
Parts List		
Part Number	Description	Quantity
SA297282	SA P36G2702	1.000 EA
RA283476	RA P36G2702	1.000 EA
424476003WL	WIRING DIAGRAM MEDIUMA	1.000 EA
000613007AC	UL NAMEPLATE FOR HAZARDOUS LOCATIONS	1.000 EA
000613007MN	NP,MEDIUM AC,NO CERT,STD INDUSTRIAL	1.000 EA
000613007MR	NP, MEDIUM AC, CSA, STD INDUSTRIAL	1.000 EA
000692000EJ	NAME PLATE	1.000 EA
000901001AA	LABEL WARNING	1.000 EA
034692002AE	HCSPP 1/4" 304 S.S.	2.000 EA
032018018EG	HHCS 5/8-11X2-1/4 316 SS	8.000 EA
032130020EC	HSHCS 5/8-11X2-1/2 304	8.000 EA
032620020JD	HSSS 10-24X5/8L 304S.S.	1.000 EA
034141300AC	RETAINING RING	1.000 EA
064262008J	SEAL 360 SUBMERSIBLE	1.000 EA
034141325AC	RETAINING RING	1.000 EA
034692003AE	PPLG 3/8" 304 S.S.	2.000 EA
064262012G	SEAL	1.000 EA
413412004B	SUBM MOISTURE PROBE	2.000 EA
413412005X	LEAD WIRE ASSY	1.000 EA
413480001R	RESISTOR ASSEMBLY-BLANKET	1.000 EA
421900192FU	ORING	1.000 EA
421900240FU	ORING	1.000 EA
004824018AF	SHELL ROTELLA OIL 10W	7.311 LB
603762061A	BRASS,SLINGER,X360TY,EXI,7BY	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
801173002A	BRKT,DE,360SUB	1.000 EA
801174002A	MTGPLT 360 801174-1WCA	1.000 EA
032018006BM	HHCS 5/16-18X3/4 PLTGRN.	1.000 EA
004824007K	SPECIAL PAINT	0.100 EA
032018016EG	HHCS 5/8-11X2 316S.S.	4.000 EA
421900124FU	ORING	1.000 EA
700385014AD	CCA	1.000 EA
033775004EA	DRSCR #6-1/4 304 S.S.	6.000 EA
034180024GD	KEY 1/2X1/2X3L 303 S.S.	1.000 EA
421900240FU	ORING	1.000 EA
801171002A	BRKT, ODE, 360 SUB	1.000 EA
004824015A	GREASE POLYREX EM	0.600 LB
032018010CG	HHCS 3/8-16X1-1/4L 316SS	3.000 EA
032018018EG	HHCS 5/8-11X2-1/4 316 SS	8.000 EA
B3630-9	SUBM THERMOSTAT TAG	1.000 EA
B-3664002	TAG, (NON REGREASABLE)	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
	360TY	100	P	3/60	1165	230
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
244	*	40/F	1.15	B	G	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
-	418141-70-AE	---	---	.0219		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFI- CIENCY
NO LOAD	0	74.9	1200	2.20	7.38	0
1/4	25.1	95.8	1192	21.2	55.5	88.2
2/4	50.0	134	1184	40.7	76.0	91.7
3/4	75.0	185	1175	60.8	82.4	92.0
4/4	100	244	1166	81.8	84.2	91.2
5/4	125	307	1155	104	84.7	89.9
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	162	731	1406		
PULL UP	240	145	655	1376		
BREAKDOWN	1063	254	1143	808		
FULL LOAD	1166	100	451	244		
AMPERES SHOWN FOR 230. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE REMARKS: CALCULATED DATA *15 MIN IN AIR						
BALDOR A MEMBER OF THE ABB GROUP		DR. BY <u>P.B. GREENE</u> CK. BY <u>W.L. SMITH</u> APP. BY <u>W.L. SMITH</u> DATE <u>01/29/01</u>		A-C MOTOR PERFORMANCE DATA W00971-A-A001 ISSUE DATE 01/29/01		



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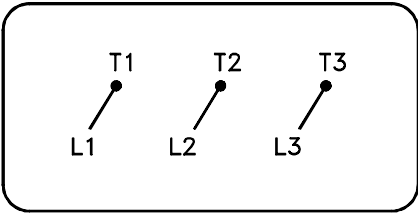


416820-036

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	

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