

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **SUM21004**

**10HP,1800RPM,3PH,60HZ,210TY,TENV,FOOTLE**

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	E02263-LAW017	CD Diagram:	416820-1
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	066930-502
Frame:	210TY	Mounting:	V1	Poles:	04	Created Date:	04-09-2015
Base:		Rotation:	R	Insulation:	F	Eff. Date:	04-13-2015
Leads:						Replaced By:	
Literature:		Elec. Diagram:					

Nameplate 000613006SC

KG 204

Nameplate 000613007MN										
CAT NO	SUM21004	SPEC NO.	P21G2755							
HP	10	AMPS	26.0/13.0		VOLTS	230/ 460		DESIGN	B	
FRAME SIZE	00210TY	RPM	1755		HZ	60	AMB	40	SF	1.15
D.E. BRG.	60BC02JPP30A		PH	3	DUTY	*		INSUL	F	
O.D.E. BRG.	30BC02JPG30A		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	450		LBS.		
	SUB. IN WATER ONLY; MAX									
	DEPTH- REFER TO INSTR MANUAL									
	*15 MIN IN AIR FINAL CONN AT									

Nameplate 000613007MR									
CAT NO	SUM21004	SPEC NO.	P21G2755						
HP	10	AMPS	26.0/13.0		VOLTS	230/ 460		DESIGN	B
FRAME SIZE	00210TY	RPM	1755		HZ	60	AMB	SF	1.15
D.E. BRG.	60BC02JPP30A		PH	3	DUTY	*		INSUL	F
O.D.E. BRG.	30BC02JPG30A		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	450		LBS.	
	SUB. IN WATER ONLY; MAX								
	DEPTH- REFER TO INSTR MANUAL								
	*15 MIN IN AIR FINAL CONN AT								

Parts List		
Part Number	Description	Quantity
SA297395	SA P21G2755	1.000 EA
RA284361	RA P21G2755	1.000 EA
000613006SC	N/P CERTIFICATION	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
000692000RY	NAME PLATE	1.000 EA
000901001AA	LABEL WARNING	1.000 EA
001575000A	WIRING DIAGRAM	1.000 EA
424476003WB	WIRING DIAGRAM MEDIUMA	1.000 EA
034692002AE	HCSPP 1/4" 304 S.S.	1.000 EA
004824015A	GREASE POLYREX EM	0.100 LB
032018012DG	HHCS 1/2-13X1-1/2 316S.S	4.000 EA
032130010DC	HSHCS 1/2-13X1-1/4 304SS	4.000 EA
034692003AE	PPLG 3/8" 304 S.S.	2.000 EA
047174005C	SNAP RING	1.000 EA
047174005D	SNAP RING	1.000 EA
064262012C	SEAL	1.000 EA
064262012D	SEAL	1.000 EA
088207001AA	BRKT,DE,210SUB 88207-1WA	1.000 EA
088208001AA	MTG PLATE EX210Y SUBMERSIBLE 088208001WB	1.000 EA
413412004A	SUBM MOISTURE PROBE	2.000 EA
413412005S	LEAD WIRE ASSY(BLANKET	1.000 EA
413480001R	RESISTOR ASSEMBLY-BLANKET	1.000 EA

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
421900144FU	ORING	1.000 EA
421900144FU	ORING	1.000 EA
032018006BM	HHCS 5/16-18X3/4 PLTGRN.	1.000 EA
032018010CG	HHCS 3/8-16X1-1/4L 316SS	4.000 EA
421900092FU	ORING	1.000 EA
700385014M	CCA #8 25' 210/250	1.000 EA
004824007K	SPECIAL PAINT	0.100 EA
033775004EA	DRSCR #6-1/4 304 S.S.	4.000 EA
034180009FD	KEY 3/8X3/8X1-1/8 303 SS	1.000 EA
088206001AB	BRKT,ODE,210SUB 88206-1WB	1.000 EA
421900144FU	ORING	1.000 EA
004824018AF	SHELL ROTELLA OIL 10W	2.500 LB
032018008BG	HHCS 5/16-18X1 BRASS-447	3.000 EA
032018012DG	HHCS 1/2-13X1-1/2 316S.S	4.000 EA
000901001AA	LABEL WARNING	1.000 EA

REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
	210TY	10	P	3/60	1755	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
26/13	*	40/F	1.15	B	G	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES (@25 °C OHMS (BETWEEN LINES))		
534499	418425-43FE	---	---	.339/1.35		

PERFORMANCE


LOAD	HP	AMPERES	RPM	INPUT KW	POWER FACTOR	% EFFICIENCY
NO LOAD	0	4.8	1800	.609	15.9	0
1/4	2.51	5.8	1789	2.52	54.2	74.2
2/4	5.00	7.8	1779	4.50	72.8	83.0
3/4	7.50	10.2	1768	6.56	80.6	85.3
4/4	10.0	13.0	1756	8.71	84.1	85.6
5/4	12.5	16.1	1742	11.0	85.4	84.8

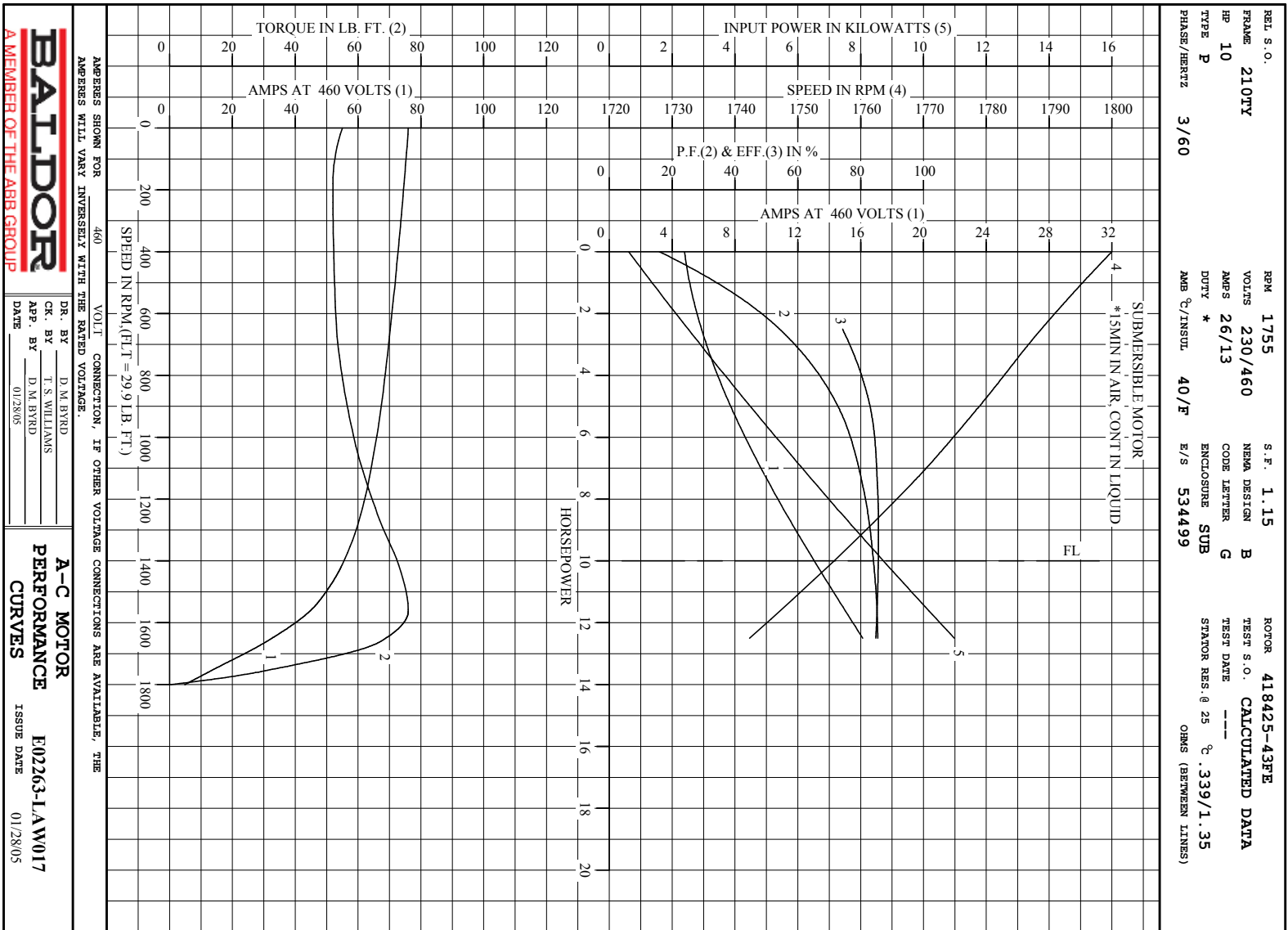
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	184	55.0	76.0
PULL UP	180	174	52.0	74.7
BREAKDOWN	1561	254	76.0	44.8
FULL LOAD	1756	100	29.9	13.0

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

REMARKS : CALCULATED DATA  
SUBMERSIBLE MOTOR  
\*15MIN IN AIR, CONT IN LIQUID

 <p><b>A MEMBER OF THE ABB GROUP</b></p>	DR. BY	D. M. BYRD	<p><b>A-C MOTOR</b> E02263-LAW017 ISSUE DATE 01/28/05</p>
	CR. BY	T. S. WILLIAMS	
	APP. BY	D. M. BYRD	
	DATE	01/28/05	



**BALDOR**  
A MEMBER OF THE ABB GROUP

APPROX SHOWN FOR 460 VOLTS  
AMPERS WILL VARY INVERSELY WITH THE RATED VOLTAGE.

DR. BY D.M. BYRD  
CK. BY T.S. WILLIAMS  
APP. BY D.M. BYRD  
DATE 01/28/05

**A-C MOTOR PERFORMANCE CURVES**  
E02263-1AW017  
ISSUE DATE 01/28/05

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