

BALDOR® • RELIANCE

Product Information Packet

SUM21504-4

15HP,1800RPM,3PH,60HZ,210TY,TENV,FOOTLE

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	E02744-A-A007	CD Diagram:	416820-2
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 178

Nameplate 000613007MN									
CAT NO	SUM21504-4	SPEC NO.	P21G2757						
HP	15	AMPS	40.2/20.1		VOLTS	230/ 460		DESIGN	B
FRAME SIZE	00210TY	RPM	1745		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	392	LBS.		
	SUB. IN WATER ONLY; MAX								
	DEPTH- REFER TO INSTR MANUAL								
	*15 MIN IN AIR FINAL CONN AT								

Nameplate 000613007MR										
CAT NO	SUM21504-4	SPEC NO.	P21G2757							
HP	15	AMPS	40.2/20.1		VOLTS	230/ 460		DESIGN	B	
FRAME SIZE	00210TY	RPM	1745		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	392	LBS.			
	SUB. IN WATER ONLY; MAX									
	DEPTH- REFER TO INSTR MANUAL									
	*15 MIN IN AIR FINAL CONN AT									

Parts List		
Part Number	Description	Quantity
SA297393	SA P21G2757	1.000 EA
RA284357	RA P21G2757	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
001575000B	WIRING DIAGRAM	1.000 EA
424476003WA	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

Parts List (continued)		
Part Number	Description	Quantity
421900144FU	ORING	1.000 EA
421900144FU	ORING	1.000 EA
032018006BM	HHCS 5/16-18X3/4 PLTGRN.	1.000 EA
032018006BM	HHCS 5/16-18X3/4 PLTGRN.	1.000 EA
032018010CG	HHCS 3/8-16X1-1/4L 316SS	4.000 EA
032080003JB	HWHMS 10-24X3/8L PLTED	4.000 EA
032080003LB	HWHMS 1/4-20X3/8L PLTED	6.000 EA
034036013AB	LCKW 5/16 EXT.TOOTH LCKW	1.000 EA
047024003AH	T/LUG AMP 34112	4.000 EA
047024003B	T/LUG AMP 33218	6.000 EA
047024003E	TERMINAL LUG	3.000 EA
415031017A	NUT W/WASHER 10-24 C.PLT	4.000 EA
415031017B	NUT W/WASHER1/4-20 C.P	6.000 EA
421900092FU	ORING	1.000 EA
609181014D	HEAT SHRINK TUBING 3/4	10.000 EA
700385014N	CCA #6 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
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REL. S.O.	FRAME	HP	TYPE	PHASE/HERTZ	RPM	VOLTS
S1200208244	210TY	15	P	3/60	1745	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
40.2/20.1	CONT	40/F	1.15	B	G	TENV
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C (OHMS BETWEEN LINES)		
534872	418425040EE	---	---	.237/.948		

PERFORMANCE


LOAD	HP	AMPERES	RPM	INPUT KW	POWER FACTOR	% EFFICIENCY
NO LOAD	0	8.0	1800	.878	13.8	0
1/4	3.75	9.5	1787	3.74	49.6	74.8
2/4	7.50	12.2	1775	6.72	69.2	83.3
3/4	11.3	15.8	1762	9.83	77.9	85.4
4/4	15.0	20.1	1747	13.1	82.0	85.4
5/4	18.7	24.8	1730	16.6	83.9	84.4

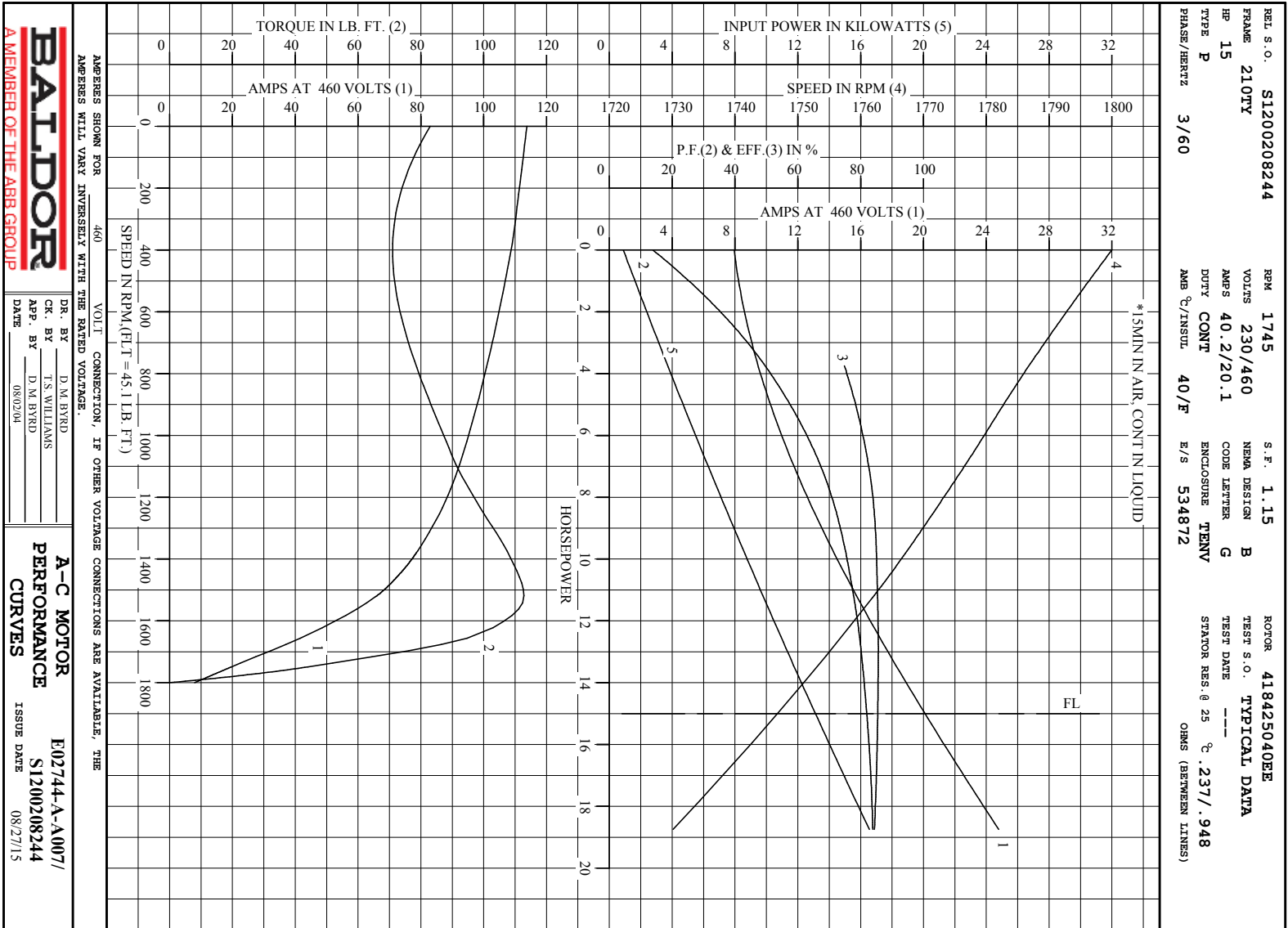
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	184	83.0	114
PULL UP	400	157	71.0	109
BREAKDOWN	1522	250	113	65.6
FULL LOAD	1747	100	45.1	20.1

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

REMARKS: TYPICAL DATA
*15MIN IN AIR, CONT IN LIQUID

 <p>A MEMBER OF THE ABB GROUP</p>	DR. BY <u>D. M. BYRD</u> CK. BY <u>T. S. WILLIAMS</u>	A-C MOTOR PERFORMANCE DATA E02744-A-A007/ S1200208244 ISSUE DATE 08/27/15
	APP. BY <u>D. M. BYRD</u> DATE <u>08/02/04</u>	



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

BALDOR
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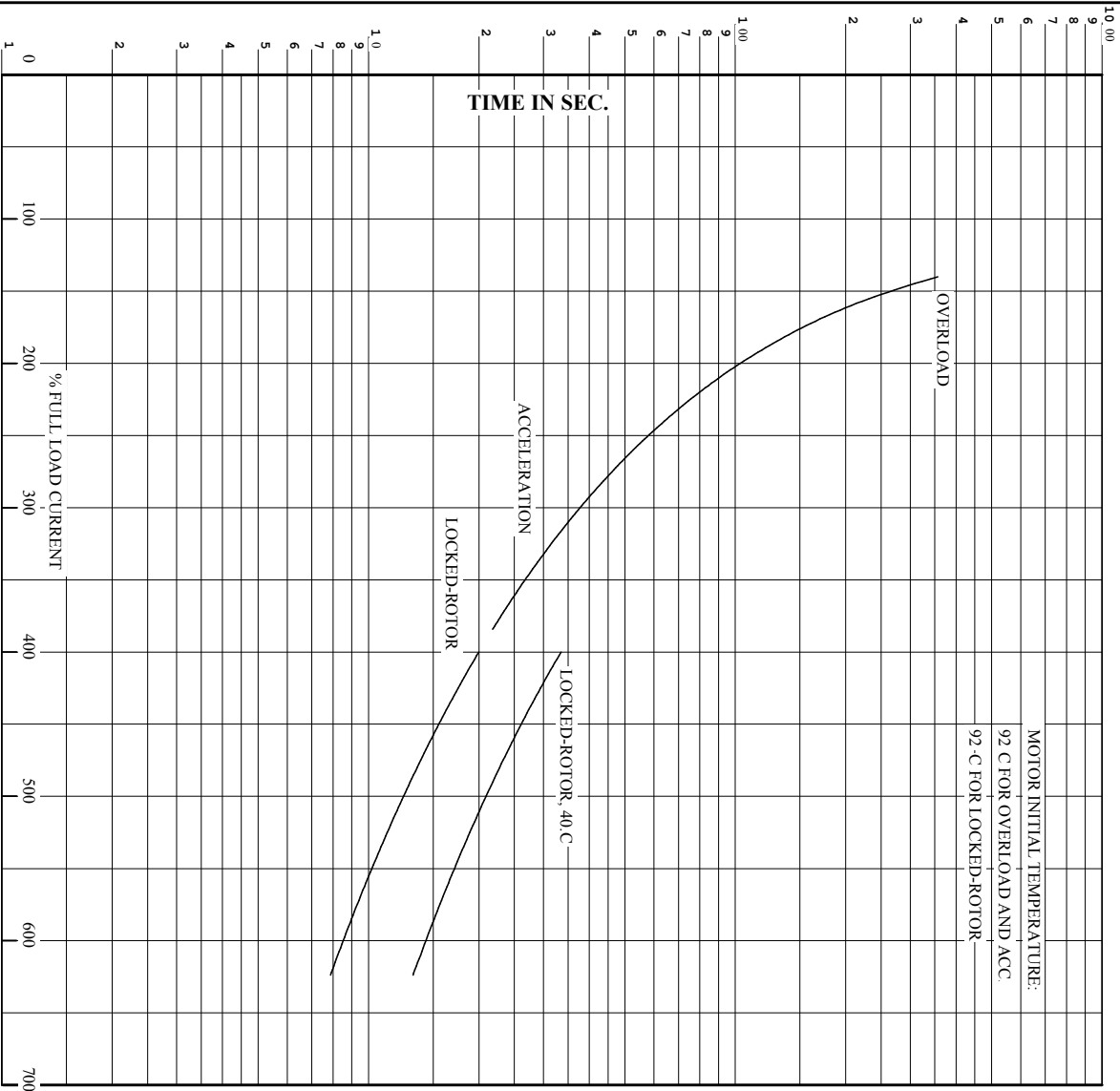
DR. BY D.M. BYRD	A-C MOTOR PERFORMANCE CURVES
CHK. BY T.S. WILLIAMS	
APP. BY D.M. BYRD	

DATE 08/20/04

E02744-A-A007/
S1200208244
08/27/15

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REL. S.O. S1200208244 RPM 1745 S.F. 1.15 ROTOR 418425040EE
 FRAME 210TY VOLTS 230/460 NEMA DESIGN B TEST S.O. TYPICAL DATA
 HP 15 AMPS 40.2/20.1 CODE LETTER G TEST DATE ---
 TYPE P DUTY CONT 40/F ENCLOSURE TENV SPANOR RES. @ 25 °.237/.948
 PHASE/HERTZ 3/60 AMB °C/INSUL E/S 534872 OHMS (BETWEEN LINES)



REMARKS: THERMAL LIMIT CURVE
 *15MIN IN AIR, CONT IN LIQUID

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



DR. BY D.M.BYRD
 CK. BY T.S.WILLIAMS
 APP. BY D.M.BYRD
 DATE 08/20/14

A-C MOTOR PERFORMANCE CURVES

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