

BALDOR® • RELIANCE 

Product Information Packet

SUM71504

15HP,1745RPM,3PH,60HZ,210TY,TENV,FOOTLE

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	E02744A A 007	CD Diagram:	416820-002	Mfg Plant:	
Mech. Spec:		Layout:	066930-502	Poles:	04	Created Date:	04-09-2015
Base:		Eff. Date:	04-13-2015	Leads:			

Specs			
Catalog Number:	SUM71504	Duty Rating:	15 MIN
Enclosure:	XPNV	Heater Indicator:	No Heater
Frame:	210TY	Insulation Class:	F
Frame Material:	Iron	Inverter Code:	Inverter Ready
Output @ Frequency:	15.000 @ 60 HZ	KVA Code:	G
Voltage @ Frequency:	230 V @ 60 HZ	Lifting Lugs:	Vertical Lifting Lugs
	460 V @ 60 HZ	Motor Type:	M
XP Class and Group:	CLI GP C,D	Mounting Arrangement:	V1
XP Division:	Division I	Product Family:	Other
Agency Approvals:	CCSA US	Pulley End Bearing Type:	Ball
	CSA	Pulley Face Code:	D-Flange
	UL	Shaft Rotation:	Reversible
Base Indicator:	No Mounting	Shaft Slinger Indicator:	No Slinger
Bearing Grease Type:	Polyrex EM (-20F +300F)	Speed Code:	Single Speed
Current @ Voltage:	20.1 A @ 460 V	Motor Standards:	NEMA
	40.2 A @ 230 V	Starting Method:	Direct on line
Design Code:	B	Thermal Device - Winding:	Normally Closed Thermostat
Drip Cover:	No Drip Cover	XP Temp Code:	T3C

Nameplate 000613007AC		
CLASS I GROUP	C D X	NO. <input type="text"/>
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

Nameplate 000613007MN										
CAT NO	SUM71504	SPEC NO.	P21G2703							
HP	15	AMPS	40.2/20.1		VOLTS	230/ 460		DESIGN	B	
FRAME SIZE	X0210TY	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	400	LBS.			
	*15 MIN IN AIR ;SUB.IN									
	WATER/SEWAGE ONLY; FINAL									
	CONN@230V SEE MANUAL FOR									

Nameplate 000692000MB	
MAXDEPTH	

Nameplate 000692000MB	
MAXDEPTH; P21G2703L	

Parts List		
Part Number	Description	Quantity
SA297408	SA P21G2703	1.000 EA
RA284377	RA P21G2703	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
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
032620020JD	HSSS 10-24X5/8L 304S.S.	1.000 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
603761001AA	LABYRINTH	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
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
000692000MB	BALDOR RELIANCE MOTOR DATA NAMEPLATE	1.000 EA
000692000MB	BALDOR RELIANCE MOTOR DATA NAMEPLATE	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
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
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

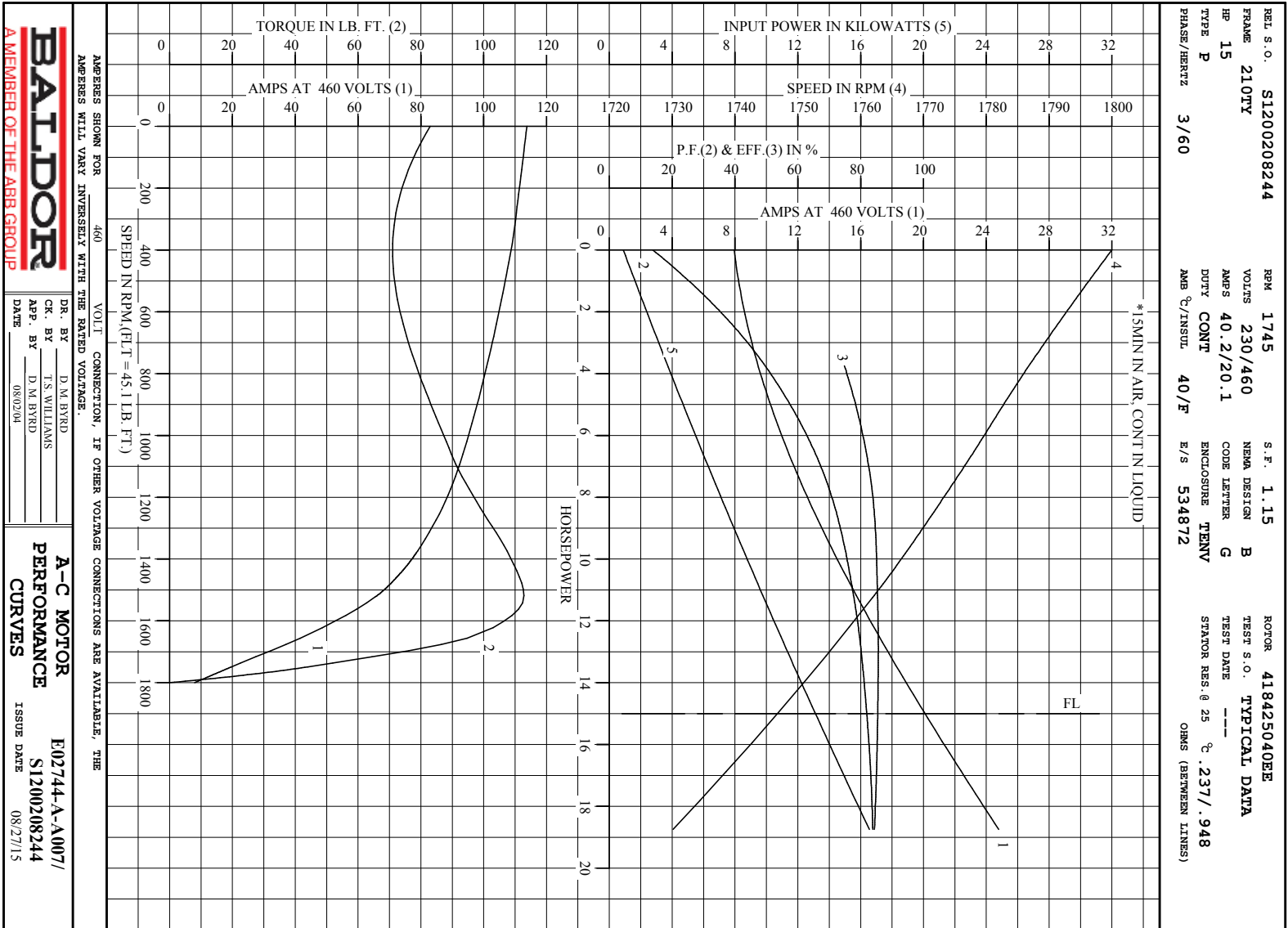
SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	184	83.0	114
PULL UP	400	157	71.0	109
BREKDOWN	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	D. M. BYRD	A-C MOTOR PERFORMANCE DATA E02744-A-A007/ S1200208244 ISSUE DATE 08/27/15
	CR. BY	T. S. WILLIAMS	
	APP. BY	D. M. BYRD	
	DATE	08/02/04	



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

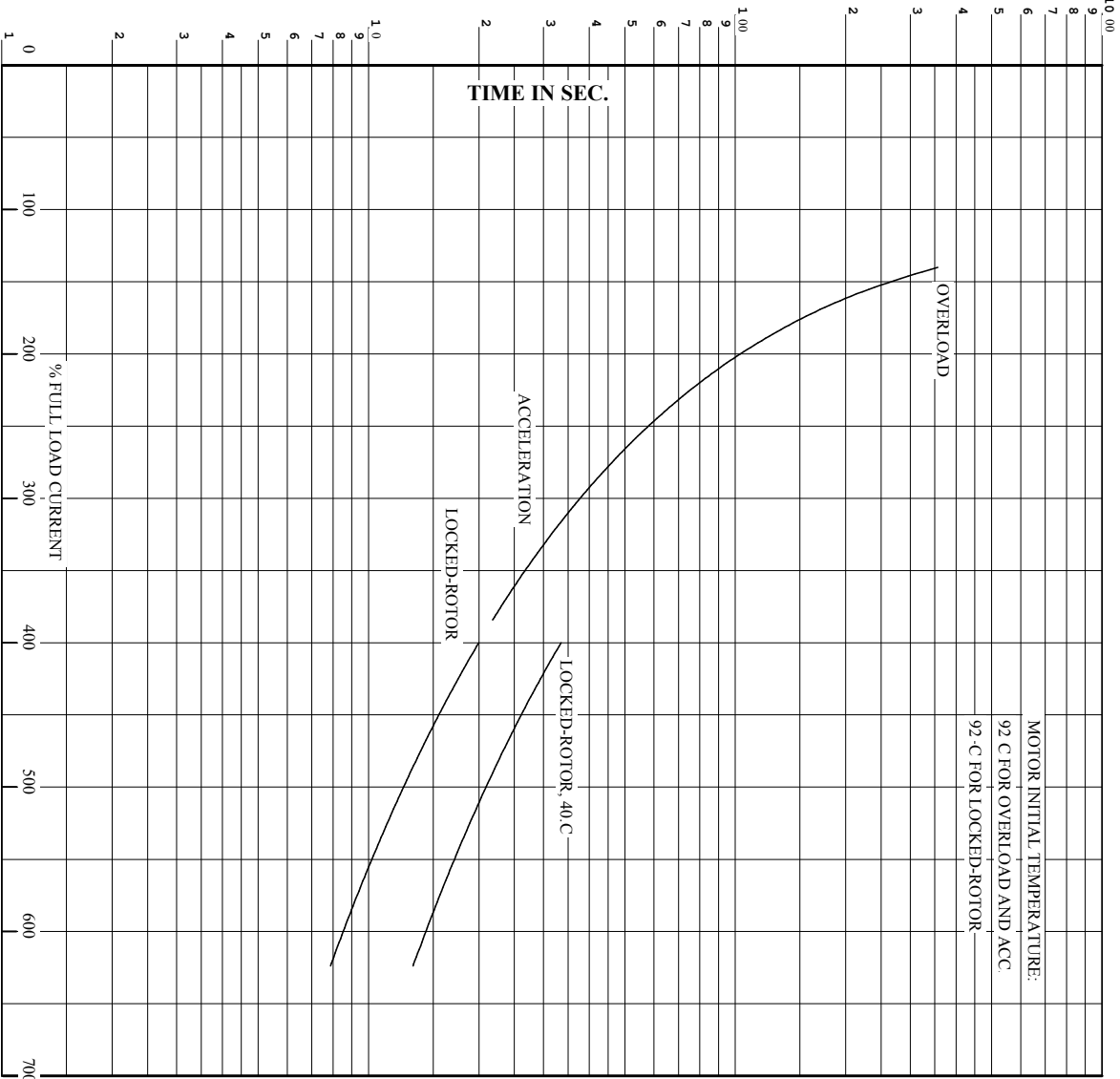
BALDOR	DR. BY D.M. BYRD
A MEMBER OF THE ABB GROUP	CK. BY T.S. WILLIAMS
	APP. BY D.M. BYRD
	DATE 08/20/04

A-C MOTOR PERFORMANCE CURVES

E02744-A-A007/
S1200208244
ISSUE DATE 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 SPATOR RES. @ 25 °. 237/. 948
 PHASE/HERTZ 3/60 AMB °/INSUL E/S 534872 OHMS (BETWEEN LINES)



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

AMPERS SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERS 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

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