

# **BALDOR® • RELIANCE**

## **Product Information Packet**

### **SUM71504-4**

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

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 000613007AC

CLASS I GROUP	C D X
CLASS II GROUP	X X X
OPERATING TEMP CODE	T3C

NO.

Nameplate 000613007MR									
CAT NO	SUM71504-4	SPEC NO.	P21G2704						
HP	15	AMPS	40.2/20.1		VOLTS	230/ 460		DESIGN	B
FRAME SIZE	X0210TY	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	375		LBS.	
	*15 MIN IN AIR ", SUB. IN"								
	WATER ONLY; MAX DEPTH- REFER								
	TO INSTR MANUAL FINAL CONN@ 460V								

Nameplate 000613007MS									
CAT.NO.	SUM71504-4			SPEC NO.	P21G2704				
SER.NO.				FRAME SIZE	X0210TY				
	HP	RPM	VOLTS	AMPS	HZ	S.F.			
	15	1745	230	40.2	60	1.15			
	15	1745	460	20.1	60	1.15			
CONSTANT HP RPM			@	HZ	CODE	G			
TYPE	P		INSUL.CLASS	F		TORQUE			
D.E. BRG.	60BC02JPP30A			ENCL	TENV		DUTY	*	
O.D.E. BRG.	30BC02JPG30A			MOTOR WEIGHT	375		AMB	40	
	*15 MIN IN AIR ",SUB. IN"								
	WATER ONLY; MAX DEPTH- REFER								
	TO INSTR MANUAL FINAL CONN@ 460V								
						DESIGN	B		

Parts List		
Part Number	Description	Quantity
SA297407	SA P21G2704	1.000 EA
RA284376	RA P21G2704	1.000 EA
000613007AC	UL NAMEPLATE FOR HAZARDOUS LOCATIONS	1.000 EA
000613007MR	NP, MEDIUM AC, CSA, STD INDUSTRIAL	1.000 EA
000613007MS	NP, MEDIUM AC, INVERTER DUTY CSA, STD INDU	1.000 EA
000692000EJ	NAME PLATE	1.000 EA
000901001AA	LABEL WARNING	1.000 EA
001575000B	WIRING DIAGRAM	1.000 EA
424476001A	NAME PLATE-RGG	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

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
413480001R	RESISTOR ASSEMBLY-BLANKET	1.000 EA
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
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
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

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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

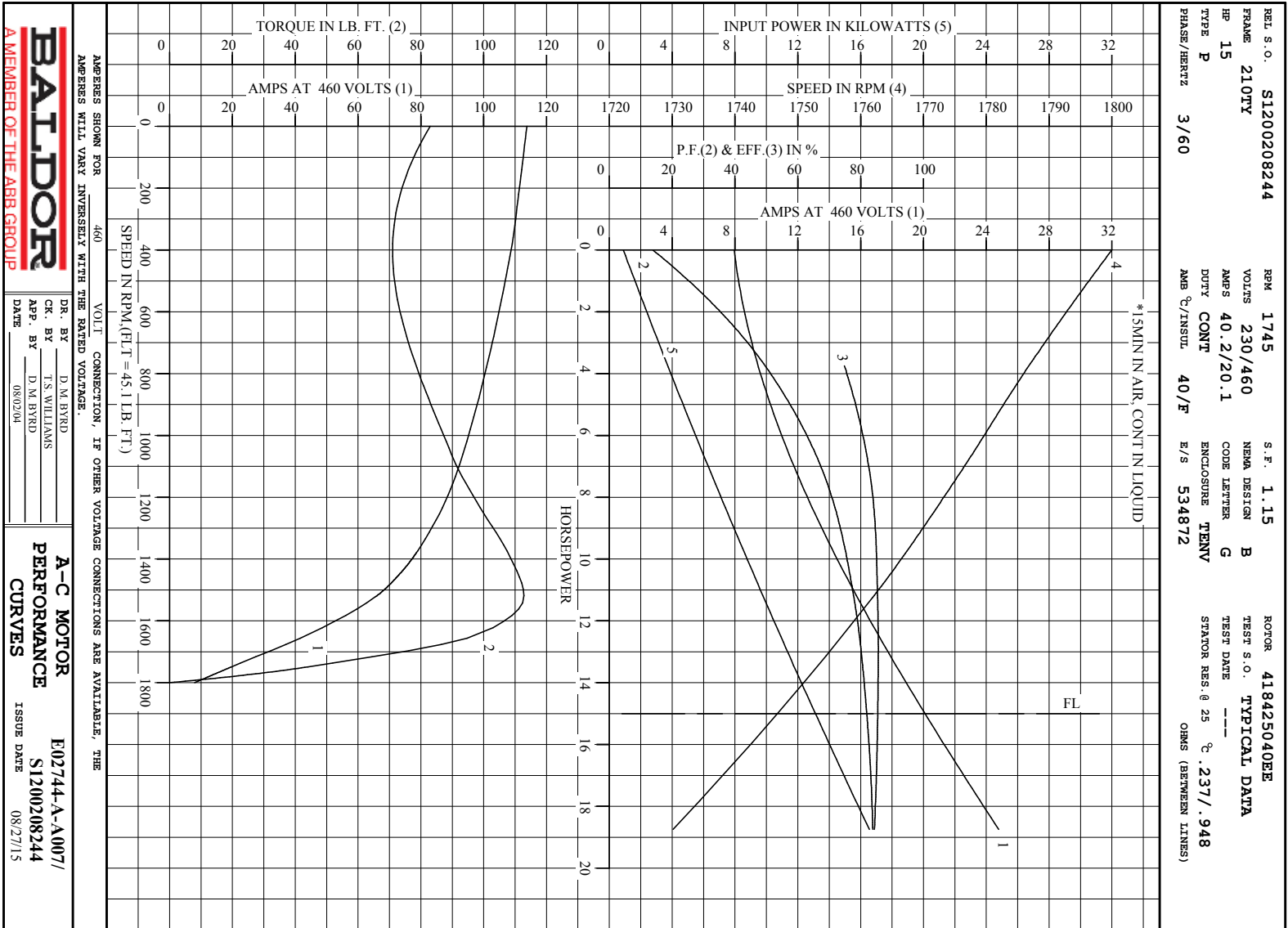
SPEED TORQUE

	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	<p>A-C MOTOR</p> <p>PERFORMANCE DATA</p>
	CK. BY	T. S. WILLIAMS	
	APP. BY	D. M. BYRD	S1200208244
	DATE	08/02/04	ISSUE DATE 08/27/15



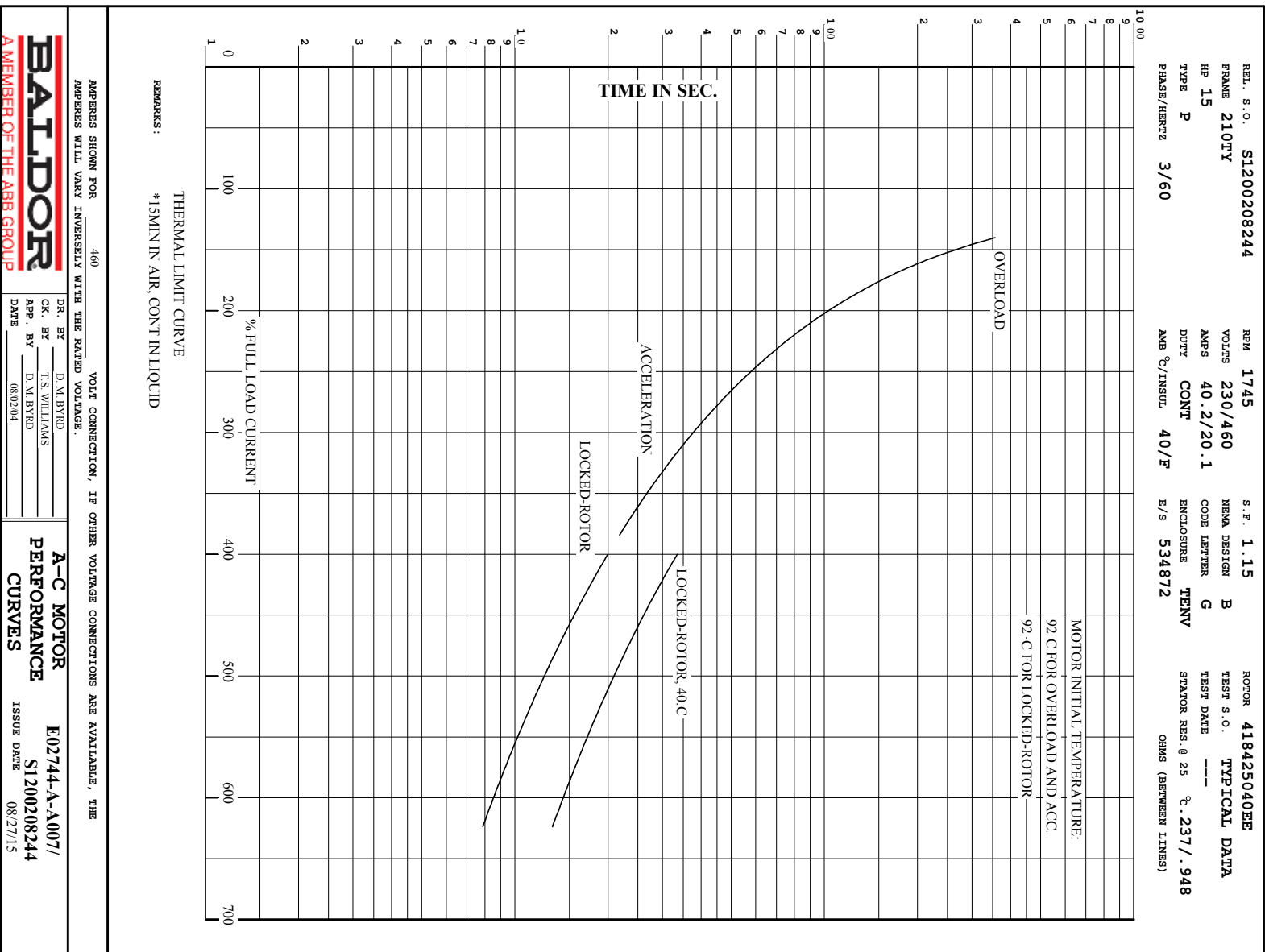
AMPERES SHOWN FOR 460 VOLT CONNECTION, IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE.

<b>BALDOR</b>	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  
08/27/15

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

**BALDOR**  
A MEMBER OF THE ABB GROUP

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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