

BALDOR® • RELIANCE

Product Information Packet

SUM70756-4

7.5HP, 1150RPM, 230/460V, X0210TY, TENV,

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:		Elec. Spec:	E00584-C-J001	CD Diagram:	416820-1
Enclosure:	TENV	Mfg Plant:		Mech. Spec:		Layout:	066930-502
Frame:	210TY	Mounting:	V1	Poles:	06	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	NO. <input type="text"/>
CLASS II GROUP	X X X	
OPERATING TEMP CODE	T3C	

Nameplate 000613007MN										
CAT NO	SUM70756-4		SPEC NO.	P21G2770						
HP	7.5	AMPS	22.6/11.3		VOLTS	230/ 460		DESIGN	B	
FRAME SIZE	X210TY		RPM	1150	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 @					
SER.NO.					MOTOR WEIGHT	345	LBS.			
	FINAL CONN 460V; *15 MIN IN									
	AIR ".SUB. IN" WATER ONLY;									
	MAX DEPTH- SEE INSTR MANUAL;									

Nameplate 000613007MR										
CAT NO	SUM70756-4	SPEC NO.	P21G2770							
HP	7.5	AMPS	22.6/11.3		VOLTS	230/ 460		DESIGN	B	
FRAME SIZE	X210TY	RPM	1150		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	345		LBS.		
	FINAL CONN 460V; *15 MIN IN									
	AIR ".SUB. IN" WATER ONLY;									
	MAX DEPTH- SEE INSTR MANUAL;									

Parts List		
Part Number	Description	Quantity
SA297388	SA P21G2770	1.000 EA
RA284346	RA P21G2770	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.	1.000 EA
004824015A	GREASE POLYREX EM	0.100 LB
032018012DG	HHCS 1/2-13X1-1/2 316S.S	4.000 EA
032130010DC	SHSCS 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
421900144FU	ORING	1.000 EA
421900144FU	ORING	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
603761001AA	LABYRINTH	1.000 EA
001575000A	WIRING DIAGRAM	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
424476003WB	WIRING DIAGRAM MEDIUMA	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
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
	210TY	7.5	P	3/60	1150	230/460
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
22.6/11.3	*	40/F	1.15	B	G	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
584215	418425046TE	---	---	.513/2.05		

PERFORMANCE

LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	5.5	1200	.580	13.2	0
1/4	1.88	6.2	1188	2.02	41.0	69.3
2/4	3.75	7.4	1177	3.53	59.6	79.2
3/4	5.63	9.2	1165	5.14	70.2	81.7
4/4	7.50	11.3	1152	6.84	75.7	81.7
5/4	9.37	13.8	1136	8.69	79.1	80.5

SPEED TORQUE

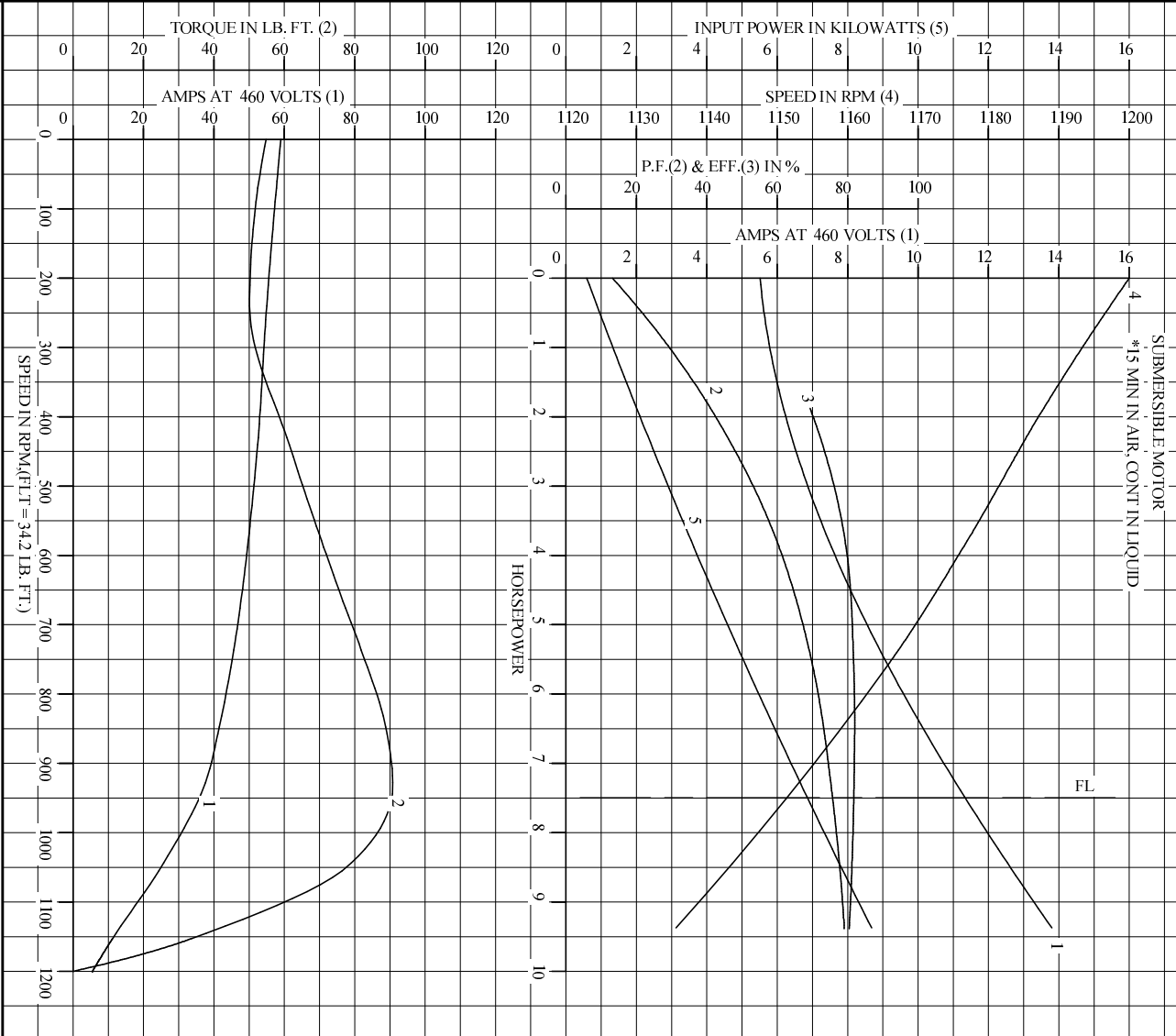
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	160	54.8	59.0
PULL UP	240	147	50.1	55.0
BREAKDOWN	934	266	90.8	37.2
FULL LOAD	1152	100	34.2	11.3

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
*15 MIN IN AIR, CONT IN LIQUID

	DR. BY	D. M. BYRD	A-C MOTOR PERFORMANCE DATA E00584-C-J001 ISSUE DATE 11/15/05
	CK. BY	T. S. WILLIAMS	
	APP. BY	D. M. BYRD	
	DATE	11/15/05	

RBL S.O. RPM 1150 S.F. 1.15 ROTOR 418425046TE
 FRAME 210TY VOLTS 230/460 NEMA DESIGN B TEST S.O. CALCULATED DATA
 HP 7.5 AMPS 22.6/11.3 CODE LETTER G TEST DATE ---
 TYPE P DUTY * ENCLOSURE SUB STATOR RES. @ 25 °C .513/2.05
 PHASE/HERTZ 3/60 AMB °C/INSUL 40/F E/S 584215 OHMS (BETWEEN LINES)



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 11/15/05

A-C MOTOR
PERFORMANCE
CURVES
 E00584-C-J001
 ISSUE DATE 11/15/05

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