ABB BALDOR RELIANCE

Customer information packet

SUL50306SM

3HP, 1165RPM, 1PH, 60HZ, 210TY, XPNV, V1
Class - CLI GP C,D
Division - Not Applicable

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Specifications

Enclosure	XPNV
Frame	210TY
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Phase	1
Agency Approvals	CCSA US
	CSA
	UL
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Cable Length	25 FOOT
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Haz Area Temp Code	T3C
Heater Indicator	No Heater
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	H
Lifting Lugs	Standard Lifting Lugs
Motor Standards	NEMA
Motor Type	M
Mounting Arrangement	V1
Number of Poles	6
Product Family	Pump - Centrifugal
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Service Factor	1.15
Shaft Diameter	1.250 IN

Part Detail

Revision	B
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A00097A A 001
Layout	066930-703
Eff. date	12-17-2021
CD Diagram	
Poles	06
Leads	
Proprietary	False
Created date	11-16-2018

Shaft Rotation	Fixed Opposite Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

000613007MN												
CAT NO	SUL50306SM	**SPEC NO.**	S21-A000-0305									
HP	3	**AMPS**	21.0			**VOLTS**	230			**DESIGN**	L	
FRAME SIZE	210TY	**RPM**	1165	**HZ**	60	**AMB**	40	**SF**	1.15			
D.E. BRG.	60BC02JPP30A	**PH**	1	**DUTY**	15MIN			**INSUL**	F			
O.D.E. BRG.	30BC02JPG30A	**TYPE**	CS	**ENCL**	TENV			**CODE**	H			
		POWER FACTOR						**NEMA-NOM-EFF**				
		MAX CORR KVAR						**GUARANTEED EFFICIENCY**				
		NEMA NOM/CSA QUOTED EFF @						**100% LOAD**				
SER.NO.		**MOTOR WEIGHT**	315	**LBS.**								
	*15 MIN IN AIR ;SUB. IN											
	SEWAGE / WATER ONLY MAXDEPTH											
	IN MANUAL											

000692000MB
CONTROL BOX 701455-23E
MODEL #S21-A000-0305
3 HP ; 1165 RPM ; 230 VOLTS;
21.0 AMPS ; 60 HZ ; 1 PHASE;
W/D 414711-1B
FINAL CONNECT AT 230V
DO NOT MOUNT IN HAZARDOUS
LOCATION

000613007RC			
CLASS I GROUP	C D X	**NO.**	
CLASS II GROUP	X X X		
OPERATING TEMP CODE	T3C		

000613007MR									
CAT NO	SUL50306SM	**SPEC NO.**	S21-A000-0305						
HP	3	**AMPS**	21.0	**VOLTS**	230	**DESIGN**	L		
FRAME SIZE	210TY	**RPM**	1165	**HZ**	60	**AMB**	40	**SF**	1.15
D.E. BRG.	60BC02JPP30A	**PH**	1	**DUTY**	15MIN	**INSUL**	F		
O.D.E. BRG.	30BC02JPG30A	**TYPE**	CS	**ENCL**	TENV	**CODE**	H		
		POWER FACTOR				**NEMA-NOM-EFF**			
		MAX CORR KVAR				**GUARANTEED EFFICIENCY**			
		NEMA NOM/CSA QUOTED EFF @				**100% LOAD**			
SER.NO.		**MOTOR WEIGHT**	315	**LBS.**					
	*15 MIN IN AIR ;SUB. IN SEWAGE / WATER ONLY MAXDEPTH IN MANUAL								

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
0	X215TY	3.0	CS	1/60	1165	230

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
21.0	*	40/F	1.15	-	H	SUB

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
784056	418425-61BE	-	-	.5303/3.23460

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	12.5	1200	24.8	0
1/4	.66	13.2	1189	39.7	41.0
2/4	1.42	15.0	1181	54.1	56.7
3/4	2.18	17.6	1172	63.7	62.9
4/4	3.00	21.0	1165	69.1	65.6
5/4	3.64	25.0	1149	72.7	65.0

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	166	22.5	86.0
PULL UP	925	170	23.0	79.0
BREAKDOWN	1050	218	29.5	48.0
FULL LOAD	1165	100	13.5	21.0

AMPERES SHOWN FOR 230. VOLT CONNECTION. IF OTHER VOLTAGE CONNECTIONS ARE AVAILABLE, THE AMPERES WILL VARY INVERSELY WITH THE RATED VOLTAGE

REMARKS:

BALDOR
A MEMBER OF THE ABB GROUP

DR. BY_____
CK. BY_____
APP. BY_____
DATE_____

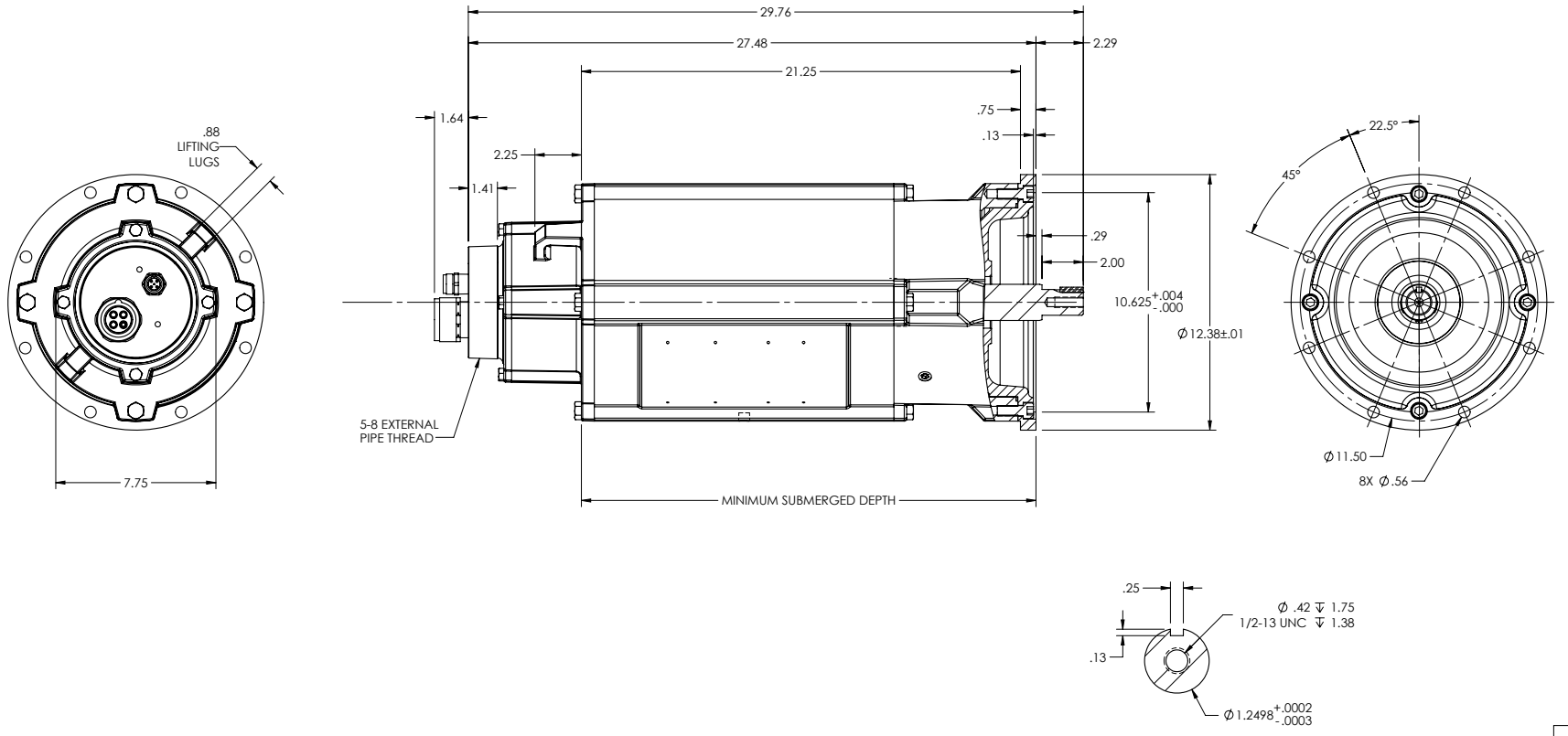
A-C MOTOR PERFORMANCE DATA A00097-A-A001
ISSUE DATE 07/23/19

DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED

SUBMERSIBLE

066930-703



NOTES:
1. FACE RUNOUT AND ECCENTRICITY .008 MAX T.I.R.
2. PROTECTIVE CONDUIT FURNISHED BY CUSTOMER
3. WEIGHT (LBS): 315 +/- 15%
4. PROVIDED WITH CABLE CONNECTOR TO LENGTH OF CABLE AS REQUESTED BY CUSTOMER

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: INITIAL RELEASE			
REV: -	VERSION: 00	REVISED: 03:59:23 10/24/2019	TDR: 000001123152
MODEL NO. 066930-703			REF: -
BY: RGGJAO			B

BALDOR

DIM SHT 210TY SUB,1 SIZE SMALLER FLG/SH WITH CABLE CONNECTOR

066930-703