ABB BALDOR RELIANCE

Customer information packet

SUL50504

5HP, 1730RPM, 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	4
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	C
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A00020C J 005
Layout	066930-702
Eff. date	12-17-2021
CD Diagram	
Poles	04
Leads	
Proprietary	False
Created date	11-19-2018

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			**SPEC NO.**	S21-A000-0306								
HP	5	**AMPS**	30.0		**VOLTS**	230		**DESIGN**	L			
FRAME SIZE	210TY	**RPM**	1730	**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**	369	**LBS.**							
	*15 MIN IN AIR ;SUB. IN											
	SEWAGE / WATER ONLY MAXDEPTH											
	IN MANUAL											

000692000MB
CONTROL BOX 701455-23C
MODEL # S21-A000-0306
5 HP ; 1730 RPM ; 230 VOLTS;
30.0 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		**SPEC NO.**	S21-A000-0306						
HP	5	**AMPS**	30.0	**VOLTS**	230	**DESIGN**	L		
FRAME SIZE	210TY	**RPM**	1730	**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**	369	**LBS.**					
	*15 MIN IN AIR ;SUB. IN SEWAGE / WATER ONLY MAXDEPTH IN MANUAL								

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
-	X210TY	5.0	CS	1/60	1730	230

AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
30.0	*	40/F	1.15	-	H	SUB

E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES.@25 °C OHMS (BETWEEN LINES)
784007	413441-30-SE	3145-23894	3/20/69	.352/1.81

PERFORMANCE

LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY
NO LOAD	0	14.6	1800	25.0	0
1/4	1.32	16.5	1782	50.7	51.1
2/4	2.57	19.5	1764	66.9	63.9
3/4	3.80	24.0	1747	76.1	67.5
4/4	5.00	30.0	1730	80.4	69.0
5/4	6.31	35.5	1710	84.0	68.6

SPEED TORQUE

	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES
LOCKED ROTOR	0	252	38.3	146
PULL UP	1300	178	27.0	109
BREAKDOWN	1550	219	33.3	82.0
FULL LOAD	1730	100	15.2	30.0

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

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

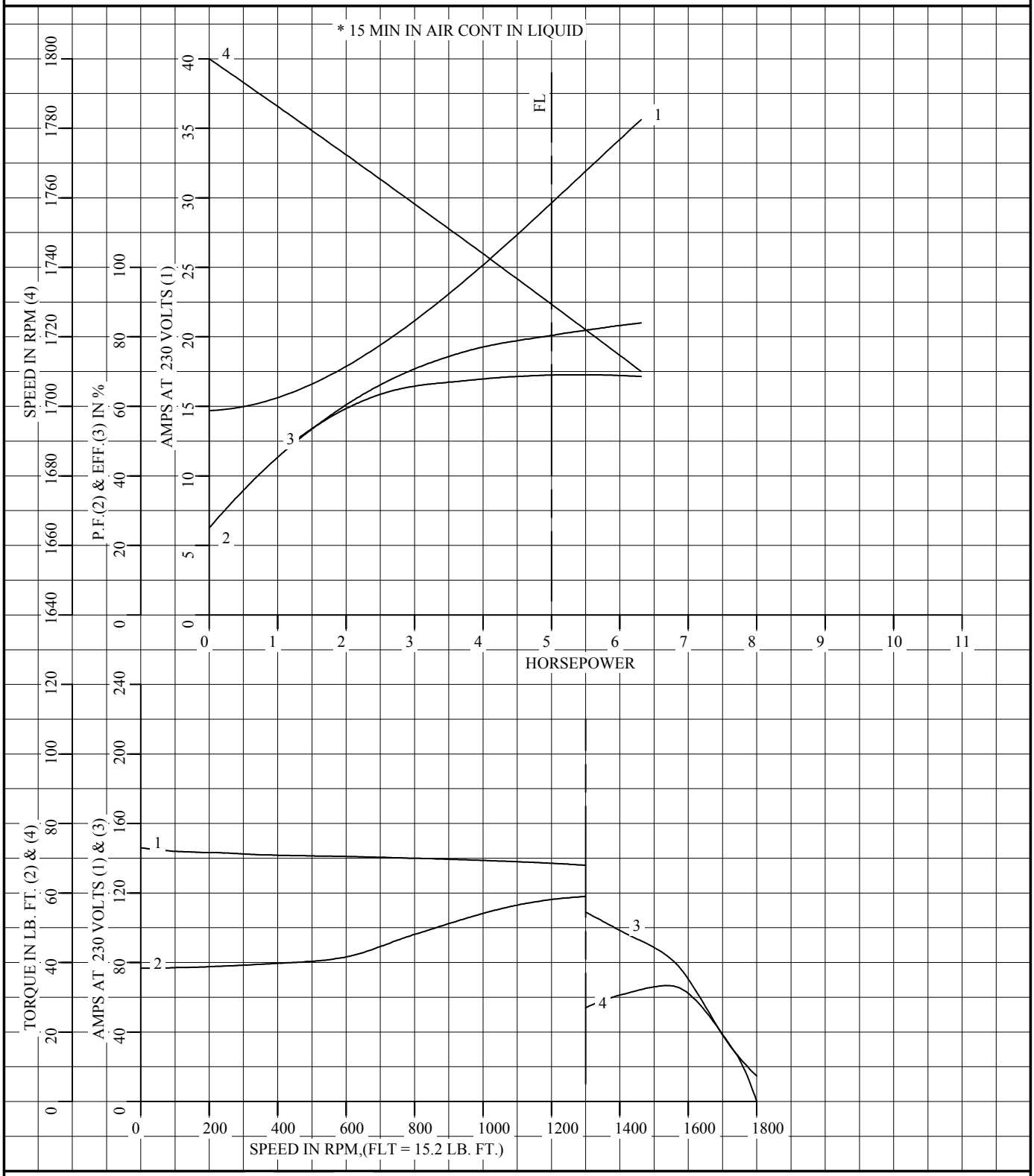
BALDOR
A MEMBER OF THE ABB GROUP

DR. BY Z.M.WOLFE
CK. BY T.S.WILLIAMS
APP. BY T.S.WILLIAMS
DATE 05/12/82

A-C MOTOR PERFORMANCE DATA

A00020-C-J005
ISSUE DATE 05/12/82

REL S.O. –	RPM 1730	S.F. 1.15	ROTOR 413441-30-SE
FRAME X210TY	VOLTS 230	NEMA DESIGN –	TEST S.O. TYPICAL DATA
HP 5.0	AMPS 30.0	CODE LETTER H	TEST DATE 3/20/69
TYPE CS	DUTY *	ENCLOSURE SUB	STATOR RES.@ 25 ℃ .352/1.81
PHASE/HERTZ 1/60	AMB ℃/INSUL 40/F	E/S 784007	OHMS (BETWEEN LINES)



AMPERES SHOWN FOR 230 VOLT **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	Z.M.WOLFE
CK. BY	T.S.WILLIAMS
APP. BY	T.S.WILLIAMS
DATE	05/12/82

A-C MOTOR PERFORMANCE CURVES A00020-C-J005
ISSUE DATE 05/12/82

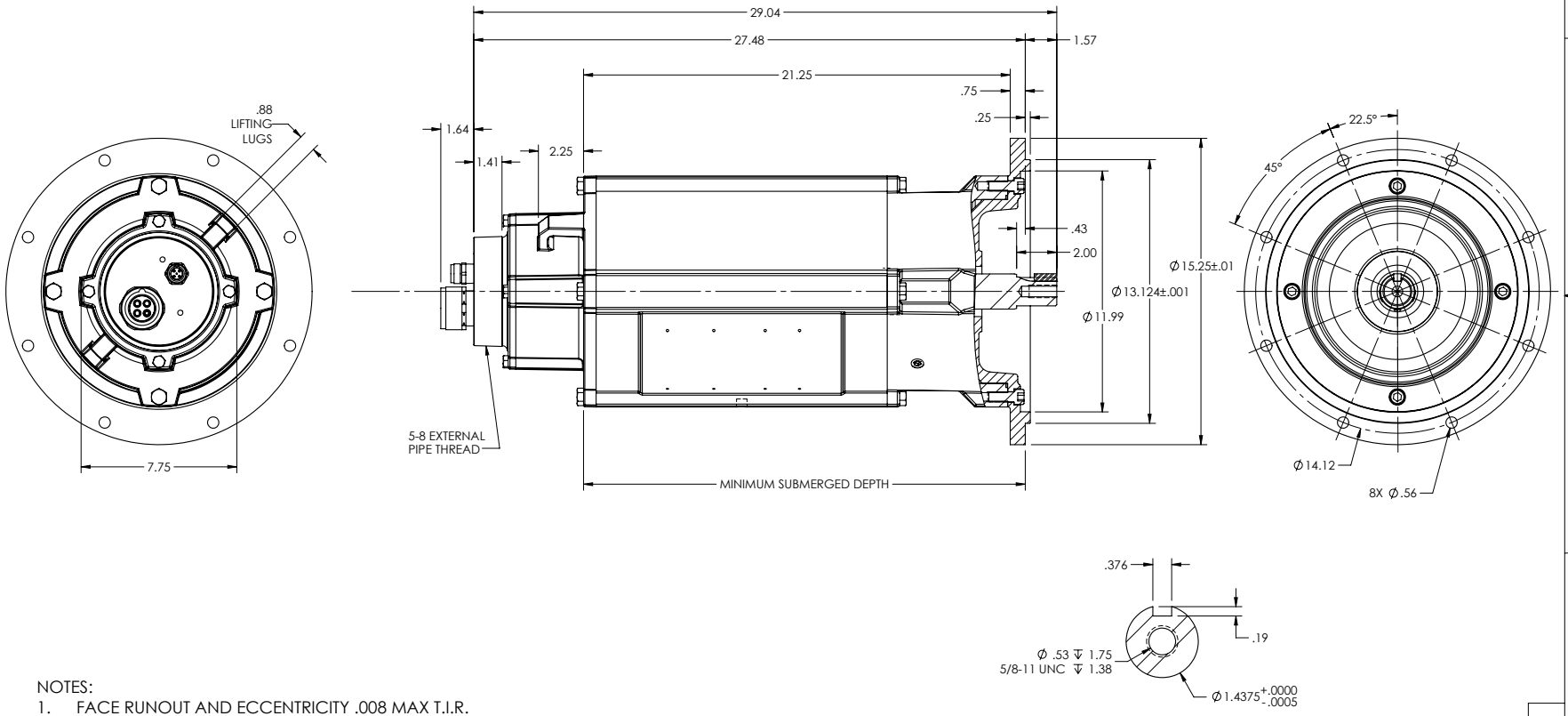
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066930-702

DUTY MASTER ALTERNATING CURRENT MOTOR

SQUIRREL–CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED

SUBMERSIBLE



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 THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: CHANGE TO LAB OFFICE 018			
REV: A	VERSION: 01	REVISED: 11:59:26 09/11/2020	TDR: 000001144556
MODEL NO. 066930-702			REF: -
BY: USWATUR			B

BALDOR - RELIANCE®

DIM SHT 210TY STANDARD MOUNT WITH CABLE CONNECTORS

066930-702