

ABB BALDOR RELIANCE III

Customer information packet

C18G2700

1HP, 1150RPM, 1PH, 60HZ, 180TY, TEXP, V1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPNV
Frame	180TY
Frame Material	Iron
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Output @ Frequency	1.000 @ 60 HZ
Phase	1
Voltage @ Frequency	230 V @ 60 HZ 115 V @ 60 HZ
Agency Approvals	CCSA US CSA UL
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Cable Length	25 FOOT
Current @ Voltage	17.2 A @ 115 V 8.60 A @ 230 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	15 MIN
Haz Area Temp Code	T3C
Heater Indicator	No Heater
Inverter Code	Inverter Ready
KVA Code	K
Lifting Lugs	Vertical Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	V1
Number of Poles	6
Overall Length	28.00 IN
Product Family	Other
Pulley End Bearing Type	Ball
Pulley Face Code	P-Base

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A00012B E 007
Layout	066930-020
Eff. date	03-08-2024
CD Diagram	
Poles	06
Leads	
Proprietary	False
Created date	04-09-2015

Service Factor	1.15
Shaft Rotation	Fixed Standard
Shaft Slinger Indicator	No Slinger
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Winding	Normally Closed Thermostat

Nameplate

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

000613007MN

CAT NO		SPEC NO.	C18G2700						
HP	1	AMPS	17.2/8.60	VOLTS	115/230	DESIGN	L		
FRAME SIZE	X0180TY	RPM	1150	HZ	60	AMB	40	SF	1.15
D.E. BRG.	50BC02JPP30A	PH	1	DUTY	15MIN	INSUL	F		
O.D.E. BRG.	25BC02JPG30A	TYPE	CS	ENCL	TENV	CODE	K		
		POWER FACTOR				NEMA-NOM-EFF			
		MAX CORR KVAR				GUARANTEED EFFICIENCY			
		NEMA NOM/CSA QUOTED EFF @				100% LOAD			
SER.NO.		MOTOR WEIGHT				LBS.			
	*15 MIN IN AIR ;SUB. IN								
	SEWAGE / WATER ONLY ONLY;								
	FINAL CONN AT 230V CW ROT.								

000613007MR

CAT NO		SPEC NO.	C18G2700						
HP	1	AMPS	17.2/8.60	VOLTS	115/230	DESIGN	L		
FRAME SIZE	X0180TY	RPM	1150	HZ	60	AMB	40	SF	1.15
D.E. BRG.	50BC02JPP30A	PH	1	DUTY	15MIN	INSUL	F		
O.D.E. BRG.	25BC02JPG30A	TYPE	CS	ENCL	TENV	CODE	K		
		POWER FACTOR		NEMA-NOM-EFF					
		MAX CORR KVAR		GUARANTEED EFFICIENCY					
		NEMA NOM/CSA QUOTED EFF @		100% LOAD					
SER.NO.		MOTOR WEIGHT		LBS.					
	*15 MIN IN AIR ;SUB. IN								
	SEWAGE / WATER ONLY ONLY;								
	FINAL CONN AT 230V CW ROT.								

000692000MB	
C18G2700J	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS					
-	X182T	1.0	CS	1/60	1150	115/230					
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.					
17.2/8.6	*	40/F	1.15	-	K	SUB					
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @ 25 °C OHMS (BETWEEN LINES)							
781004	413440-33AE	YN-581529	9-29-70	1.72/5.7							
PERFORMANCE											
LOAD	HP	AMPERES	RPM	% POWER FACTOR	% EFFICIENCY						
NO LOAD	0	5.8	1200	31.0	0						
1/4	.25	6.0	1184	42.3	31.6						
2/4	.50	6.5	1174	55.2	45.4						
3/4	.75	7.5	1163	62.2	52.1						
4/4	1.00	8.6	1150	68.1	55.6						
5/4	1.25	10.0	1135	72.0	56.2						
SPEED TORQUE											
		RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES						
LOCKED ROTOR		0	265	12.1	36.5						
PULL UP		925	186	8.50	24.2						
BREAKDOWN		1000	210	9.60	20.5						
FULL LOAD		1150	100	4.57	8.6						
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											
		DR. BY T HANHILAMMI		A-C MOTOR PERFORMANCE A00012-B-E007 DATA							
		CK. BY D BARBER									
		APP. BY C A YOCUM									
		DATE 05/12/82									
				ISSUE DATE 05/12/82							

FRAME X182T

RPM 1150 VOLTS 115/230

NEMA DESIGN -

TEST S.O. TYPICAL DATA

HP 1.0

AMPS 17.2/8.6

CODE LETTER K

TEST DATE 9-29-70

TYPE CS

DUTY *

ENCLOSURE SUB

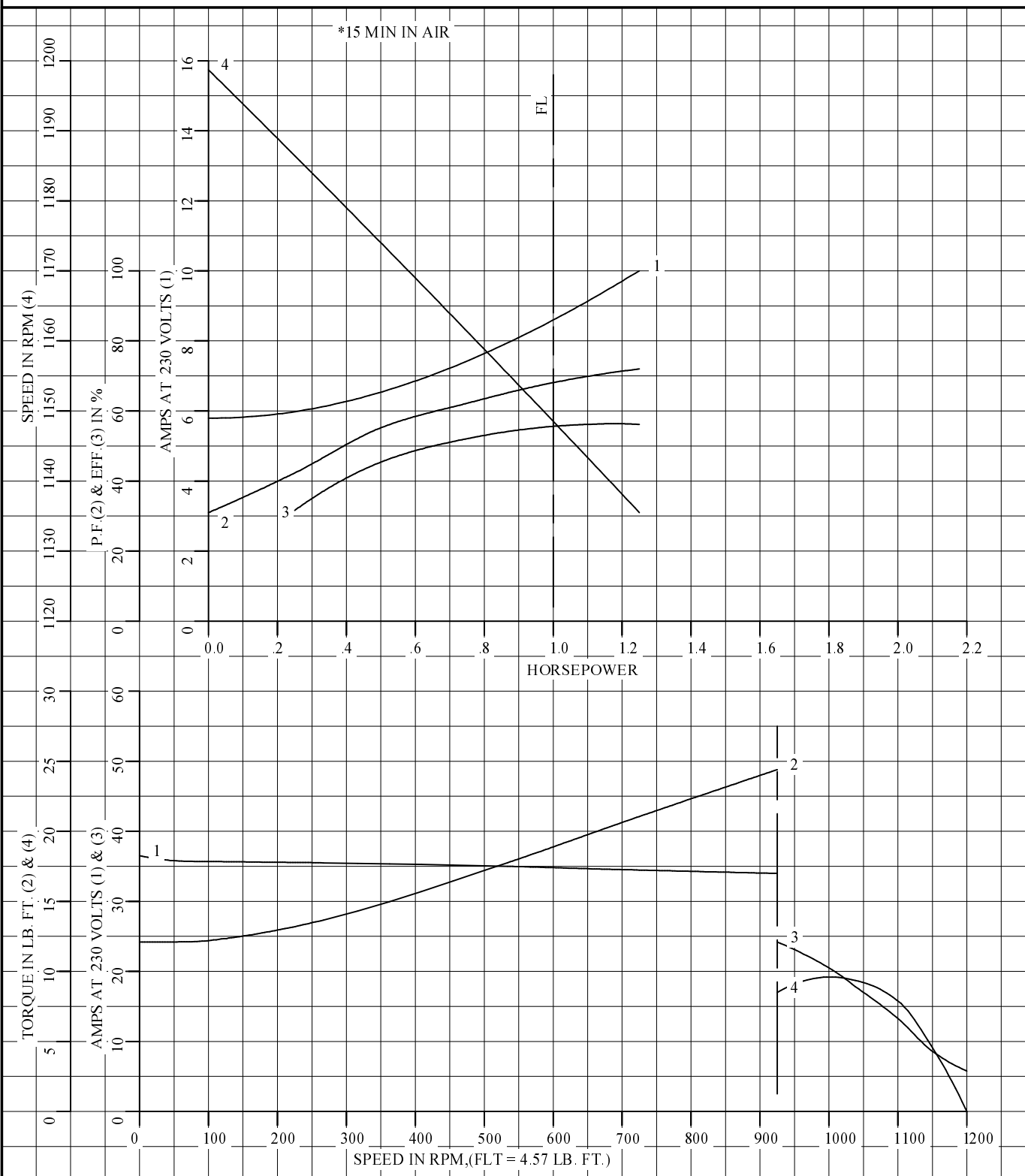
STATOR RES. @ 25 °C 1.72/5.7

PHASE/HERTZ 1/60

AMB °C/INSUL 40/F

E/S 781004

OHMS (BETWEEN LINES)



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

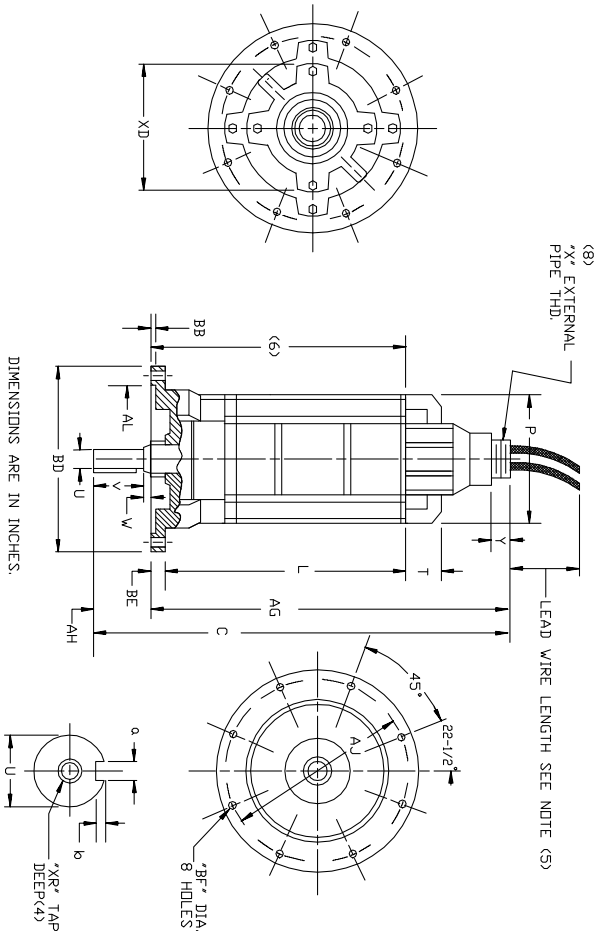
**RELIANCE
ELECTRIC**

 DR. BY THANILAMMI
 CK. BY D BARBER
 APP. BY CAYOCUM
 DATE 05/12/82

**A-C MOTOR
PERFORMANCE
CURVES**

 A00012-B-E007
 ISSUE DATE 05/12/82

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIREL-CAGE INDUCTION
ENCLOSURE: TOTALLY ENCLOSED
SUBMERSIBLE
ONE SIZE SMALLER FLANGE AND SHAFT
FRAMES 180TY THRU 210TY



DIMENSIONS ARE IN INCHES.

FRAME	C	L	P	T	U(3)	V	W	AG	AH	AJ	AL(7)
180TY	25.94	16.50	9.62	2.25	8.750	1.25	.31	24.38	1.56	10.00	9.125
210TY	32.41	21.12	11.50	2.25	12.500	2.00	.28	30.12	2.28	11.50	10.625

FRAME	BNG(2)	BE	BF	XR(4)	X	Y	XD	BB	o	b	LENGTH	WEIGHT
180TY	11.062	.75	.44	3/8-16	2-1/2-8	1.25	6.75	.12	.187	.09	11.2	200
210TY	12.375	.75	.56	1/2-13	2-1/2-8	1.25	7.75	.12	.250	.12	11.2	315

- (1) SPECIAL DIMENSIONS ON THIS LINE.
- (2) *BD* VARIES ± .010
- (3) *U* VARIES +.000, -.0005
- (4) TAP DEPTH ON 180TY THRU 210TY IS 1.38
- (5) LEAD WIRE LENGTH AS SPECIFIED ON CERTIFICATION
- (6) MINIMUM SUBMERGED DEPTH.
- (7) *AL* VARIES +.004, -.000
FACE RUNDUT AND ECCENTRICITY .008 MAX. T.I.R.
PROTECTIVE CONDUIT FURNISHED BY CUSTOMER.
- (8) 3" - 8 PIPE THREAD SUPPLIED WITH CABLE
SIZES NO. 4 AND LARGER.

020-066990

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

REV. DESC: LOAD TO BUS	VERSION: 00	TDR: 000000925374
REV. LTR: -	FILE: \RGG\00025\093	BY: RGGWT
MTL: -	REVISED: 08:11:59 05/14/2015	

DIM SHT,180TY THRU 210TY,SUBMERSIBLE,1 SIZE SMALLER FLG/SH

SH 1 of 1