

ABB BALDOR RELIANCE III

Customer information packet

C18G2704

3HP, 1725RPM, 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	3.000 @ 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	20.0 A @ 230 V 40.0 A @ 115 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	J
Lifting Lugs	Vertical Lifting Lugs
Motor Standards	NEMA
Mounting Arrangement	V1
Number of Poles	4
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.	A00008B E 011
Layout	066930-020
Eff. date	03-08-2024
CD Diagram	
Poles	04
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

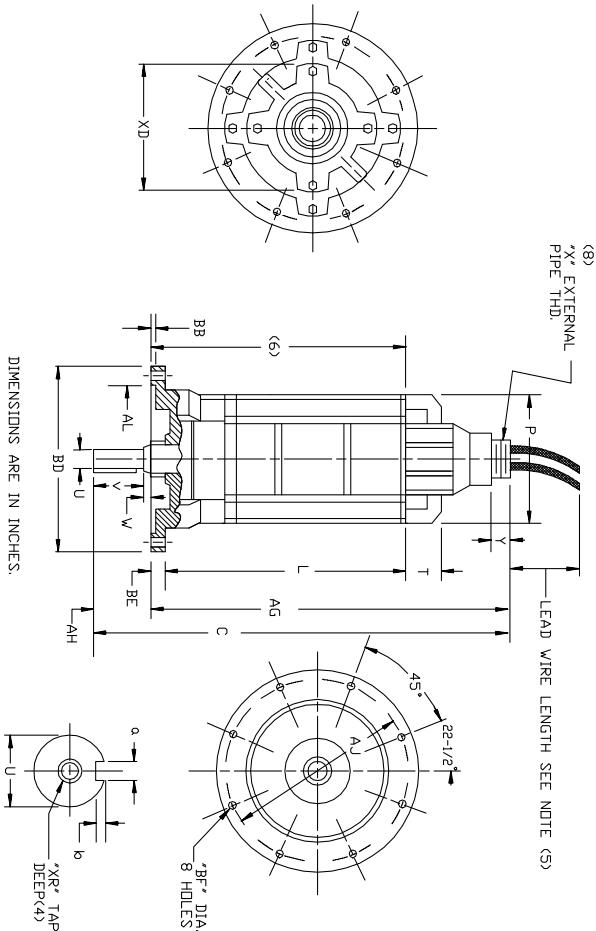
CAT NO			SPEC NO.	C18G2704					
HP	3	AMPS	40.0/20.0		VOLTS	115/230		DESIGN	L
FRAME SIZE	X0180TY	RPM	1725	HZ	60	AMB	40	SF	1.15
D.E. BRG.	50BC02JPP30A		PH	1	DUTY	15MIN		INSUL	F
O.D.E. BRG.	25BC02JPG30A		TYPE	CS	ENCL	TENV		CODE	J
			POWER FACTOR				NEMA-NOM-EFF		
			MAX CORR KVAR				GUARANTEED EFFICIENCY		
			NEMA NOM/CSA QUOTED EFF @						100% LOAD
SER.NO.				MOTOR WEIGHT			LBS.		
	FINAL CONN 230V; *15 MIN IN								
	AIR ;SUB. IN SEWAGE / WATER								
	ONLY CW ROT								

000613007MR

CAT NO				SPEC NO.	C18G2704						
HP	3	AMPS	40.0/20.0		VOLTS		115/230		DESIGN	L	
FRAME SIZE	X0180TY		RPM	1725	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	J	
			POWER FACTOR						NEMA-NOM-EFF		
			MAX CORR KVAR						GUARANTEED EFFICIENCY		
			NEMA NOM/CSA QUOTED EFF @							100% LOAD	
SER.NO.					MOTOR WEIGHT				LBS.		
	FINAL CONN 230V; *15 MIN IN										
	AIR ;SUB. IN SEWAGE / WATER										
	ONLY CW ROT										

000692000MB	
C18G2704I	

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



FRAME	C	L	P	T	U(3)	V	W	AG	AH	AJ	AL(7)
180TY	2594	1650	962	225	8750	1.25	.31	24.38	1.56	10.00	9.125
210TY	3241	2112	1150	225	12500	2.00	.28	30.12	2.28	11.50	10.625

FRAME	BNG(2)	BE	BF	XR(4)	X	Y	XD	BE	KEYWAY	o	b	LENGTH	WEIGHT
180TY	11062	.75	.44	3/8-16	2-1/2-8	1.25	6.75	.12	.187	.09	.112	200	200
210TY	12375	.75	.56	1/2-13	2-1/2-8	1.25	7.75	.12	.250	.12	.112	315	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 RUNOUT 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.

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

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