

ABB BALDOR RELIANCE III

Customer information packet

C18G2701

1.5HP, 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
Motor Letter Type	CS
Output @ Frequency	1.5 @ 60 HZ
Phase	1
Voltage @ Frequency	230 V @ 60 HZ 115 V @ 60 HZ
Agency Approvals	UL CSA CCSA US
Base Indicator	No Mounting
Bearing Grease Type	Polyrex EM (-20F +300F)
Cable Length	25 FOOT
Current @ Voltage	12.5 A @ 230 V 25.0 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	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

Part Detail

Revision	A
Type	AC
Mech. spec.	
Base	
Status	INA/A
Elec. spec.	A00013B E 006
Layout	066930-501
Eff. date	03-08-2024
CD Diagram	
Poles	06
Leads	
Proprietary	False
Created date	04-09-2015

Pulley Face Code	P-Base
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.	C18G2701						
HP	1.5	AMPS	25.0/12.5	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.			
	FINAL CONN 230 V *15 MIN IN								
	AIR ;SUB. IN SEWAGE / WATER								
	ONLY ONLY CW ROTATION								

000613007MR

CAT NO		SPEC NO.	C18G2701						
HP	1.5	AMPS	25.0/12.5	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.			
	FINAL CONN 230 V *15 MIN IN								
	AIR ;SUB. IN SEWAGE / WATER								
	ONLY ONLY CW ROTATION								

000692000MB	
C18G2701J	

REL. S.O.	FRAME	HP	TYPE	PHASE/ HERTZ	RPM	VOLTS
-	X180TY	1.5	CS	1/60	1155	115/230
AMPS	DUTY	AMB °C/ INSUL.	S.F.	NEMA DESIGN	CODE LETTER	ENCL.
25.0/12.5	*	40/F	1.15	-	K	SUB
E/S	ROTOR	TEST S.O.	TEST DATE	STATOR RES. @25 °C OHMS (BETWEEN LINES)		
782004	413440-33BE	YN581228	12-3-69	1.10/4.0		
PERFORMANCE						
LOAD	HP	AMPERES	RPM	INPUT KW	% POWER FACTOR	% EFFI- CIENCY
NO LOAD	0	8.0	1200	.501	27.2	0
1/4	.39	8.5	1184	.843	42.9	34.5
2/4	.77	9.4	1173	1.19	54.9	48.1
3/4	1.14	10.8	1162	1.55	62.2	54.9
4/4	1.50	12.5	1155	1.96	68.1	57.0
5/4	1.85	14.8	1132	2.44	71.9	56.5
SPEED TORQUE						
	RPM	TORQUE % FULL LOAD	TORQUE LB.-FT.	AMPERES		
LOCKED ROTOR	0	260	17.7	51.2		
PULL UP	925	180	12.3	35.7		
BREAKDOWN	1070	202	13.8	26.0		
FULL LOAD	1155	100	6.82	12.5		
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 A00013-B-E006 DATA ISSUE DATE 05/12/82 Page 8 of 10		
		CK. BY	D BARBER			
		APP. BY	C A YOCUM			
		DATE	05/12/82			

REL S.O. -

RPM 1155

S.F. 1.15

ROTOR 413440-33BE

FRAME X180TY

VOLTS 115/230

NEMA DESIGN -

TEST S.O. TYPICAL DATA

HP 1.5

AMPS 25.0/12.5

CODE LETTER K

TEST DATE 12-3-69

TYPE CS

DUTY *

ENCLOSURE SUB

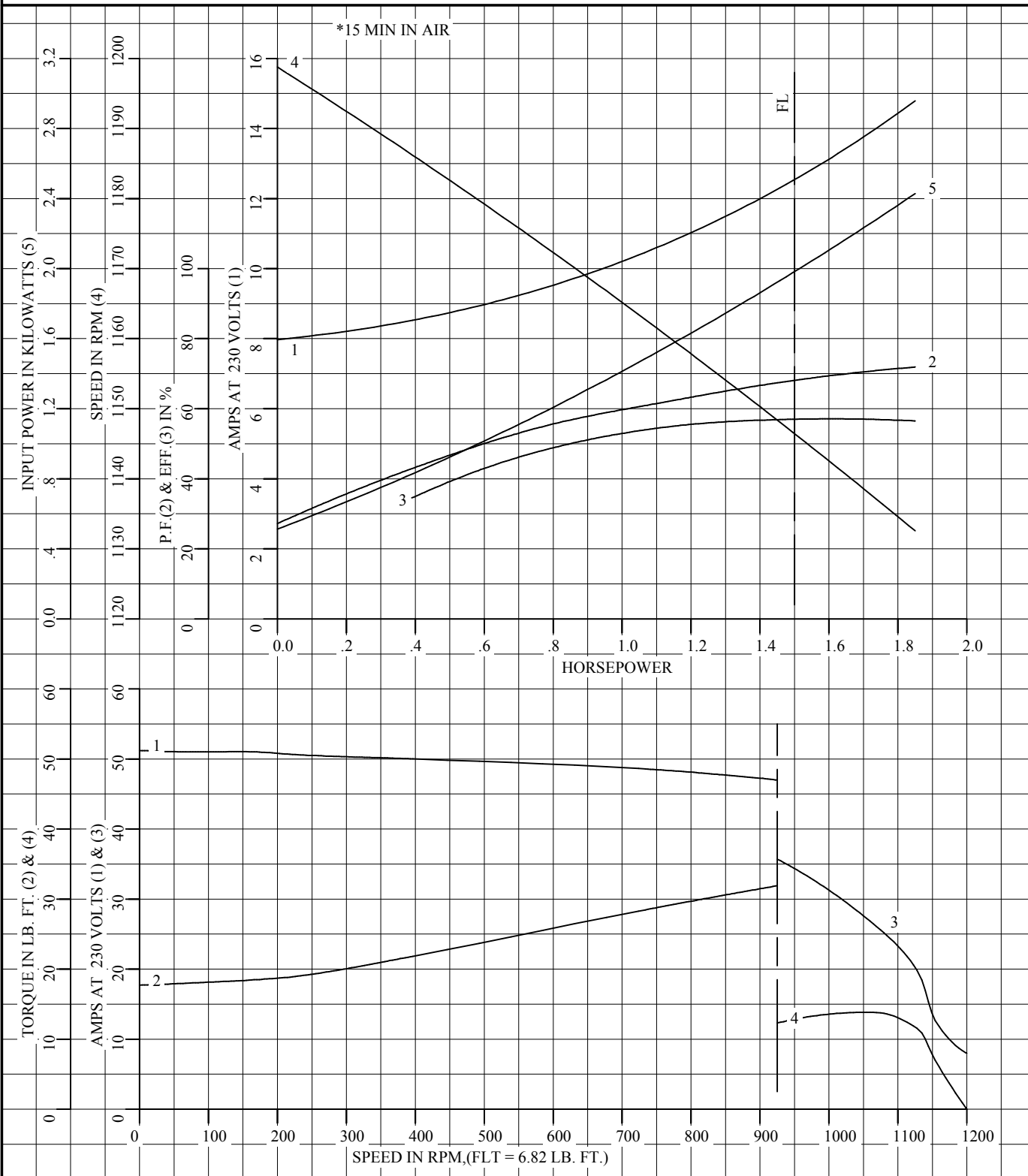
STATOR RES. @ 25 °C 1.10/4.0

PHASE/HERTZ 1/60

AMB °C/INSUL 40/F

E/S 782004

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 THANHILAMMI
CK. BY D BARBER
APP. BY CA YOCUM
DATE 05/12/82

**A-C MOTOR
PERFORMANCE
CURVES**

A00013-B-E006

ISSUE DATE 05/12/82

Page 9 of 10

