

BALDOR · RELIANCE II

Product Information Packet

CDX7100

1HP,1750RPM,DC,182C,X3623D,XPFC,F1

BALDOR • RELIANCE Product Information Packet: CDX7100 - 1HP,1750RPM,DC,182C,X3623D,XPFC,F1

Part Detail							
Revision:	АН	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3623D	Elec. Spec:	36WGZ110	CD Diagram:	CD0860C01
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36-4687	Layout:	36LY4687
Frame:	182C	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	А	Eff. Date:	06-16-2015
Field Type:	Shunt	Literature:		Elec. Diagram:		Replaced By:	

Specs	Specs				
Enclosure:	XPFC				
Frame:	182C				
Frame Material:	Steel				
XP Class and Group:	CLI GP D; CLII GP F,G				
Agency Approvals:	CSA				
	UL				
	UR				
Base Indicator:	Rigid				
Bearing Grease Type:	Polyrex EM (-20F +300F)				
Drip Cover:	No Drip Cover				
Duty Rating:	CONT				
Feedback Device:	NO FEEDBACK				
Field Winding Type:	SHUNT				
Heater Indicator:	No Heater				
Insulation Class:	А				
Lifting Lugs:	No Lifting Lugs				

Motor Lead Quantity/Wire Size:	2 @ 12 AWG	
	4 @ 18 AWG	
Motor Lead Exit:	Ко Вох	
Motor Lead Termination:	Flying Leads	
Mounting Arrangement:	F1	
Product Family:	General Purpose	
Pulley End Bearing Type:	Sealed Bearing	
Shaft Extension Location:	Pulley End	
Shaft Ground Indicator:	No Shaft Grounding	
Shaft Rotation:	Reversible	
Shaft Slinger Indicator:	No Slinger	
Motor Standards:	NEMA	
XP Temp Code:	ТЗВ	

Nameplate NP0727XPSL				
NO.				
SER.				
	36-4687Z110			
CAT.NO.	CDX7100		Т. CODE ТЗВ	
HP	1		ENCL XPFC	
RPM	1750			
FRAME	182C	TYPE	3623D	
ARM V	180		ARM A 5	
FLD V	200/100		FLD A .25/.5	
INSUL	A	AMB.	40	
DUTY	CONT	SUPPLY	K	
BRG/DE	BG6206	BRG/0	ODE BG6205	
BRUSHES	2/BP5125A01			
BLANK				

DC Motor Performance Data

Record # 2271 - Typical performance - not guaranteed values

Winding: 36WGZ110-R005	Type : 3623D	Enclosure: XPFC
	· ·	

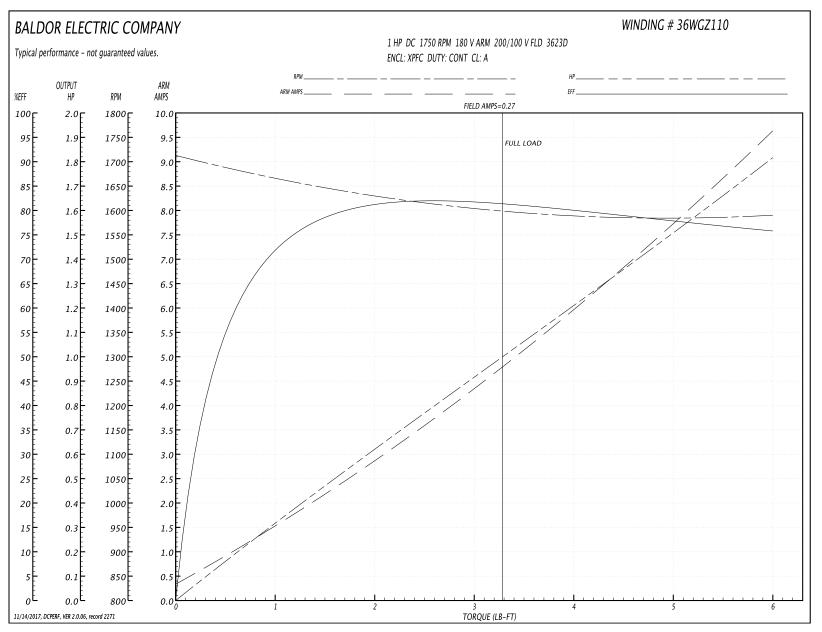
Namer	Nameplate Data			
Rated Output (HP)	1	Armature Resistance @ 25°C		
R.P.M.	1750	Commutating Winding Resistance		
Armature Volts	180			
Armature Amps	5	Shunt Winding Resistance @ 25°C		
Field Volts	200 / 100			
Field Amps	0.25 / 0.5			
Rating - Duty	40C AMB-CONT			
Power Supply Code	К			

General Characteristics				
Armature Resistance @ 25°C	1.7818 Ω			
Commutating Winding Resistance @ 25°C	0.9431 Ω			
Shunt Winding Resistance @ 25°C	364.759 Ω			

Load Characteristics at 180 Armature Volts, 200 Field Volts, 0.27 Field Amps

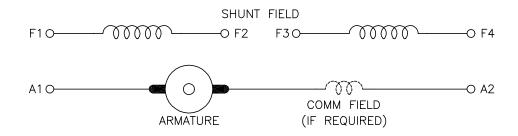
Load Point	1	2	3	4	5	6	7
Armature Amps	0.3	2.2	3.3	4.4	5.5	6.7	9.7
R.P.M.	1708	1656	1625	1600	1590	1580	1594
Torque (LB-FT)	0	1.5	2.25	3	3.75	4.5	6

Performance Graph at 180.0 Arm V, 1.0HP Typical performance - Not guaranteed values



SHUNT WOUND





	DIRECTION OF ROTATION					
	CWDE	- -	CCWDE			
CONNECTION	POS TERM	NEG TERM	POS TERM	NEG TERM		
	(+) (-)		(+)	(-)		
HIGH VOLTAGE	A1	A2	A2	A1		
	F1	F4	F1	F4		
	CONNECT F2	2 & F3	CONNECT	F2 & F3		
LOW	A1	A2	A2	A1		
VOLTAGE	F1 & F3	F2 & F4	F1 & F3	F2 & F4		

NOTES:

- 1. LIMIT STARTING INRUSH CURRENT TO NOT MORE THAN 3 TIMES RATED AMPERES BY ENERGIZING THE FULL SHUNT FIELD BEFORE BRINGING THE ARMATURE VOLTAGE UP SLOWLY OR IN STEPS.
- 2. OPTIONAL FIELD REOSTAT MAY BE CONNECTED IN SERIES WITH THE SHUNT FIELD.
- 3. OPTIONAL THERMOSTAT LEADS ARE MARKED J,J.

				CD086
REV. DESC: NEW, REPLACE CD0860			BALDOR ELECTRIC Co.	Õ
REV. LTR: - BY: JLP	REVISED: 15: 35: 22 11/03/2004	TDR: 347796	DALDOR ELECTRIC CO.	
100000000	FILE: AAA00121477	REF: CD0860C01	DO COMMECTION DIACRAM CHIMIT FIFT C LEAD DUAL VOLTACE	_
CD0860C01	MTL: -		DC CONNECTION DIAGRAM, SHUNT FIELD, 6 LEAD, DUAL VOLTAGE	