

BALDOR® • RELIANCE

Product Information Packet

CDX7100

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

Part Detail							
Revision:	AH	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:	A	Eff. Date:	06-16-2015
Field Type:	Shunt	Literature:		Elec. Diagram:		Replaced By:	

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:	A		
Lifting Lugs:	No Lifting Lugs		

Motor Lead Quantity/Wire Size:	2 @ 12 AWG		
	4 @ 18 AWG		
Motor Lead Exit:	Ko Box		
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:	T3B		

Nameplate NP0727XPSL

NO.			
SER.			
SPEC.	36-4687Z110		
CAT.NO.	CDX7100	T. CODE	T3B
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/ODE	BG6205
BRUSHES	2/BP5125A01		
BLANK			

DC Motor Performance Data

Record # 2271 - Typical performance - not guaranteed values

Winding: 36WGZ110-R005	Type: 3623D	Enclosure: XPFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	1	Armature Resistance @ 25°C	1.7818 Ω
R.P.M.	1750	Commutating Winding Resistance @ 25°C	0.9431 Ω
Armature Volts	180		
Armature Amps	5	Shunt Winding Resistance @ 25°C	364.759 Ω
Field Volts	200 / 100		
Field Amps	0.25 / 0.5		
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

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





