

BALDOR® • RELIANCE

Product Information Packet

CD6203

3HP,1750RPM,DC,184TC,3668D,TEFC,F1,N

Part Detail							
Revision:	AK	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3668D	Elec. Spec:	36WGZ136	CD Diagram:	CD0860C01
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36-5347	Layout:	36LY5347
Frame:	182TC	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	09-12-2016
Field Type:	Shunt	Literature:		Elec. Diagram:		Replaced By:	

Specs			
Enclosure:	TEFC		
Frame:	184TC		
Frame Material:	Steel		
XP Class and Group:	None		
Agency Approvals:	CSA		
	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:	H		
Lifting Lugs:	Standard 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		
RoHS Status:	ROHS COMPLIANT		
Shaft Extension Location:	Pulley End		
Shaft Ground Indicator:	No Shaft Grounding		
Shaft Rotation:	Reversible		
Shaft Slinger Indicator:	No Slinger		
Motor Standards:	NEMA		

Nameplate NP0111L

CAT.NO.	CD6203		
SPEC.	36-5347Z136		
HP	3	ENCL	TEFC
RPM	1750		
FRAME	184TC	TYPE	3668D
ARM V	180	ARM A	14.7
FLD V	200/100	FLD A	.6/1.2
INSUL	H	AMB.	40
DUTY	CONT		SUPPLY K
BRG/DE	6206	BRG/ODE	6205
BRUSHES	2/BP5125A01		
SER.	BLANK		
BLANK			
APRV-CSA		APRV-UL	

DC Motor Performance Data

Record # 430 - Typical performance - not guaranteed values

Winding: 36WGZ136-R001	Type: 3668D	Enclosure: TEFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	3	Armature Resistance @ 25°C	0.411 Ω
R.P.M.	1750	Commutating Winding Resistance @ 25°C	0.279 Ω
Armature Volts	180		
Armature Amps	14.7	Shunt Winding Resistance @ 25°C	351 Ω
Field Volts	200 / 100	Armature Inductance	7.003 mH
Field Amps	0.6 / 1.2		
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

Load Characteristics at 180 Armature Volts, 200 Field Volts, 0.55 Field Amps

Load Point	1	2	3	4	5	6	7
Armature Amps	1.1	7.2	10.2	13.4	16.4	20.4	27.1
R.P.M.	1697	1626	1611	1590	1572	1555	1547
Torque (LB-FT)	0	4.5	6.75	9	11.25	13.5	18

Performance Graph at 180.0 Arm V, 3.0HP Typical performance - Not guaranteed values





