

# BALDOR · RELIANCE II

# **Product Information Packet**

CD6203

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

#### **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:	Н	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:	Drip Cover: No Drip Cover				
Duty Rating:	CONT				
Feedback Device:	NO FEEDBACK				
Field Winding Type:	SHUNT				
Heater Indicator:	No Heater				
Insulation Class:	Н				
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 TEFO	C	
RPM	1750				
FRAME	184TC		TYPE 3668D		
ARM V	180		ARM A	14.7	
FLD V	200/100		FLD A	.6/1.2	
INSUL	Н	AMB.	40		
DUTY	CONT		SUPF	PLYK	
BRG/DE	6206		BRG/ODE 6205		
BRUSHES	2/BP5125A01				
			BLANK		
SER.					
BLANK			<u> </u>	<u> </u>	
APRV-CSA		APRV-UL			

#### **DC Motor Performance Data**

Record # 430 - Typical performance - not guaranteed values

Winding: 36WGZ136-R001	<b>Type:</b> 3668D	Enclosure: TEFC
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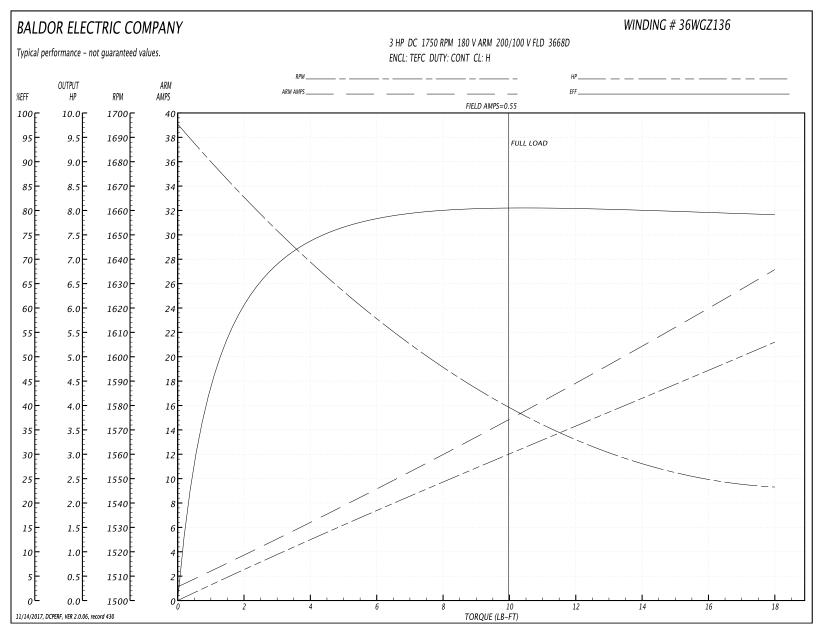
Nameplate Data				
Rated Output (HP)	3			
R.P.M.	1750			
Armature Volts	180			
Armature Amps	14.7			
Field Volts	200 / 100			
Field Amps	0.6 / 1.2			
Rating - Duty	40C AMB-CONT			
Power Supply Code	К			

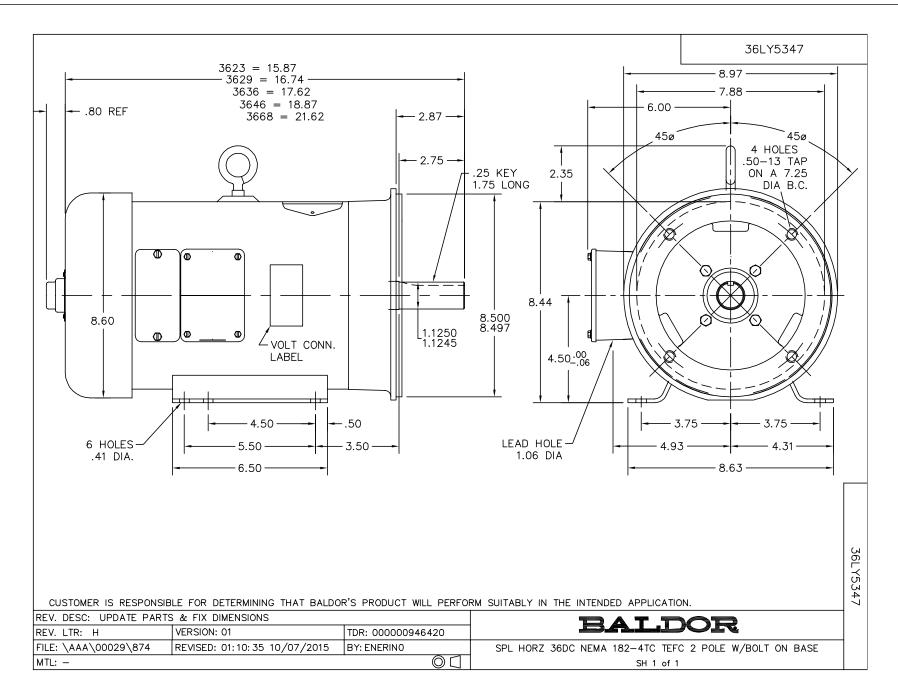
General Characteristics					
Armature Resistance @ 25°C	0.411 Ω				
Commutating Winding Resistance @ 25°C	0.279 Ω				
Shunt Winding Resistance @ 25°C	351 Ω				
Armature Inductance	7.003 mH				

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

				<u> </u>			
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

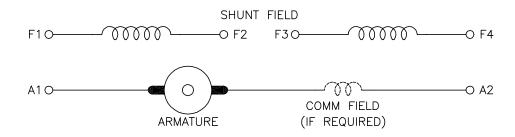
Performance Graph at 180.0 Arm V, 3.0HP Typical performance - Not guaranteed values





## SHUNT WOUND

CD0860C01



	DIRECTION OF ROTATION					
	CWDE	<del>-</del> -	CCWDE			
CONNECTION	POS TERM	NEG TERM	POS TERM	NEG TERM		
	(+) (-)		(+)	(-)		
LIIOLI	A1	A2	A2	A1		
HIGH VOLTAGE	F1	F4	F1	F4		
VULTAGE	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.

REV. DESC: NEW, REPLACE	CD0860	BALDOR ELECTRIC Co.		
REV. LTR: - BY: JLP REVISED: 15: 35: 22 11/03/2004 TDR: 347796			DALDOR ELECTRIC CO.	
CD0860C01	FILE: AAA00121477	REF: CD0860C01	DC CONNECTION DIAGRAM. SHUNT FIELD, 6 LEAD, DUAL VOLTAGE	
103098003	MTL: -		DC CONNECTION DIAGRAM, SHONT FIELD, 6 LEAD, DUAL VOLTAGE	

CD0860C01