

BALDOR · RELIANCE II

Product Information Packet

CD3476

.75HP,1750RPM,DC,56C,3428D,TEFC,F1

BALDOR • RELIANCE Product Information Packet: CD3476 - .75HP,1750RPM,DC,56C,3428D,TEFC,F1

Part Detail							
Revision:	Т	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3428D	Elec. Spec:	34WG2038	CD Diagram:	CD0860C01
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	34-6172	Layout:	34LY6172
Frame:	56C	Mounting:	F3	Poles:	00	Created Date:	
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-28-2014
Field Type:	Shunt	Literature:		Elec. Diagram:		Replaced By:	

Specs				
Enclosure:	TEFC			
Frame:	56C			
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:	F			
Lifting Lugs:	No Lifting Lugs			
Motor Lead Quantity/Wire Size:	2 @ 14 AWG			

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	4 @ 18 AWG	
Motor Lead Exit:	Ко Вох	
Motor Lead Termination:	Flying Leads	
Mounting Arrangement:	F3	
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	

Nameplate NP0111L					
CAT.NO.	CD2476				
	34-6172-2038				
	.75		ENCL TEFC		
			ENGLITERG		
	1750		T/DE 0400D		
FRAME			TYPE 3428D		
ARM V			ARM A 3.9		
FLD V	200/100		FLD A .3/.6		
INSUL	F	AMB.	40		
DUTY	CONT		SUPPLY 1.3	3	
BRG/DE	6203	_	BRG/ODE 6203		
BRUSHES	2/BP5000H03				
			BLANK		
SER.					
BLANK					
APRV-CSA	AI	PRV-UL			

DC Motor Performance Data

Record # 1418 - Typical performance - not guaranteed values

Winding: 34WG2038-R001	Type: 3428D	Enclosure: TEFC
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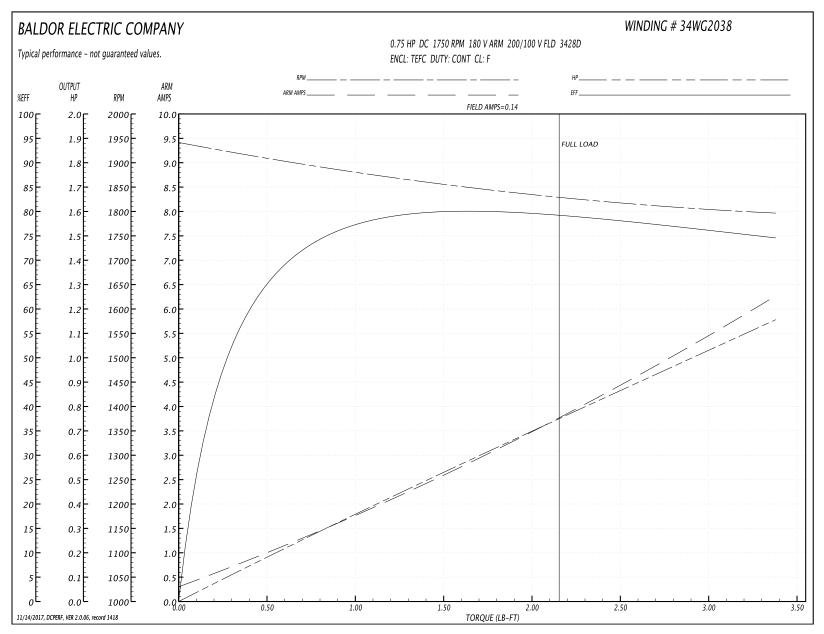
Nameplate Data				
Rated Output (HP)	0.75			
R.P.M.	1750			
Armature Volts	180			
Armature Amps	3.9			
Field Volts	200 / 100			
Field Amps	0.3 / 0.6			
Rating - Duty	40C AMB-CONT			
Form Factor	1.3			

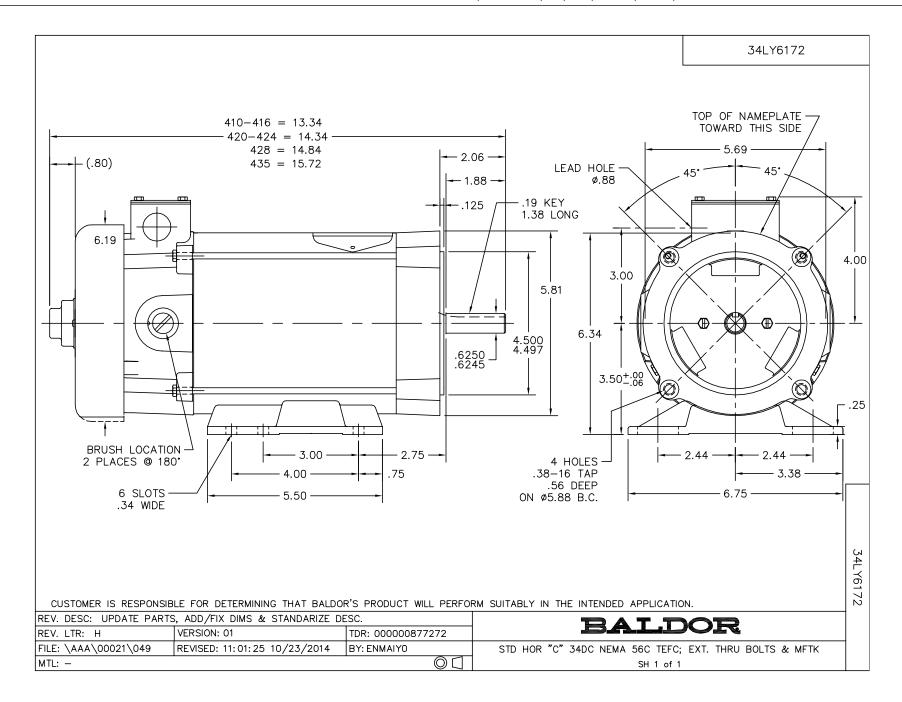
General Characteristics	
Armature Resistance @ 25°C	4.207 Ω
Shunt Winding Resistance @ 25°C	314.5 Ω

Load Characteristics at 180 Armature Volts, 200 Field Volts, 0.14 Field Amps

Load Point	1	2	3	4	5	6	7
Armature Amps	0.28	1.1	2.01	2.95	3.92	4.97	6.32
R.P.M.	1932	1918	1881	1840	1818	1810	1800
Torque (LB-FT)	0	0.56	1.13	1.69	2.25	2.8	3.38

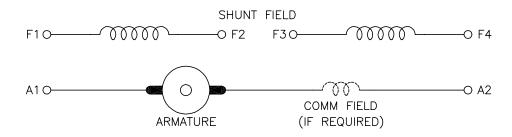
Performance Graph at 180.0 Arm V, 0.75HP Typical performance - Not guaranteed values





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	