

BALDOR® • RELIANCE

Product Information Packet

CDPWD3585

2HP,1750RPM,DC,145TC,3548P,TEFC,F1

Part Detail							
Revision:	AG	Status:	PRD/A	Change #:		Proprietary:	No
Type:	DC	Prod. Type:	3548P	Elec. Spec:	35WGZ170	CD Diagram:	CD0194
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35P523	Layout:	35LYP523
Frame:	143TC	Mounting:	F1	Poles:	00	Created Date:	
Base:	RG	Rotation:	RS	Insulation:	F	Eff. Date:	09-10-2015
Field Type:		Literature:		Elec. Diagram:		Replaced By:	

Nameplate NP1509

CAT.NO.	CDPWD3585		
SPEC.	35P523Z170		
HP	2	ENCL	TEFC
RPM	1750		
FRAME	145TC	TYPE	3548P
ARM V	180	ARM A	9.6
FLD V		FLD A	
INSUL	F	AMB.	40
DUTY	CONT	SUPPLY	K
BRG/DE	6205	BRG/ODE	6205
BRUSHES	2/BP5000T15		
		BLANK	IP55
SER.			
BLANK			
APRV-CSA		APRV-UL	
		APRV-CE	

DC Motor Performance Data

Record # 2081 - Typical performance - not guaranteed values

Winding: 35WGZ170-R001	Type: 3548P	Enclosure: TEFC
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Nameplate Data		General Characteristics	
Rated Output (HP)	2	Armature Resistance @ 25°C	0.8093 Ω
R.P.M.	1750		
Armature Volts	180	Voltage Constant	98.25 v/krpm
Armature Amps	9.6		
Field Volts		Armature Inductance	11.508 mH
Field Amps		Armature Inertia	40.456 LI ²
Rating - Duty	40C AMB-CONT		
Power Supply Code	K		

Load Characteristics at 180 Armature Volts

Load Point	1	2	3	4	5	6	7
Armature Amps	0.2	2.4	4.7	6.8	9	11.3	13.5
R.P.M.	1806	1796	1770	1741	1707	1671	1663
Torque (LB-FT)	0	1.5	3	4.5	6	7.5	9

Performance Graph at 180.0 Arm V, 2.0HP Typical performance - Not guaranteed values





