

BALDOR® • RELIANCE

Product Information Packet

CSSEWDM3613T-5

5HP,3500RPM,3PH,60HZ,184TC,3634M,TEFC,F1

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGT421	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36G560	Layout:	36LYG560
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	12-20-2012
Base:	RG	Rotation:	R	Insulation:	H	Eff. Date:	02-14-2017
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953B05

CAT.NO.	CSSEWDM3613T-5													
SPEC.	36G560T421G2													
HP	5													
VOLTS	575													
AMP	4.5													
RPM	3500													
FRAME	184TC					HZ	60							
SER.F.	1.15				CODE	L	DES			B	CLASS	H	PH	3
NEMA-NOM-EFF	89.5				PF	95								
RATING	40C AMB-CONT													
CC	010A				USABLE AT 208V									
DE	6206				ODE	6206								
ENCL	TEFC		SN											

Parts List		
Part Number	Description	Quantity
SA256036	SA 36G560T421G2	1.000 EA
RA242833	RA 36G560T421G2	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
36FE1912A05	FREP TEFC 206 BRG (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F25	AXIAL FACE SEAL AFX-30 304SS/V107 SS CAS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36PE1913A03	PUEP 182-4TC ENCL 206 BRG (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F25	AXIAL FACE SEAL AFX-30 304SS/V107 SS CAS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT

Parts List (continued)		
Part Number	Description	Quantity
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3101S42	THRUBOLT-1/4-20 X11.50 SSTDR#94334	4.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 29658 - Typical performance - not guaranteed values

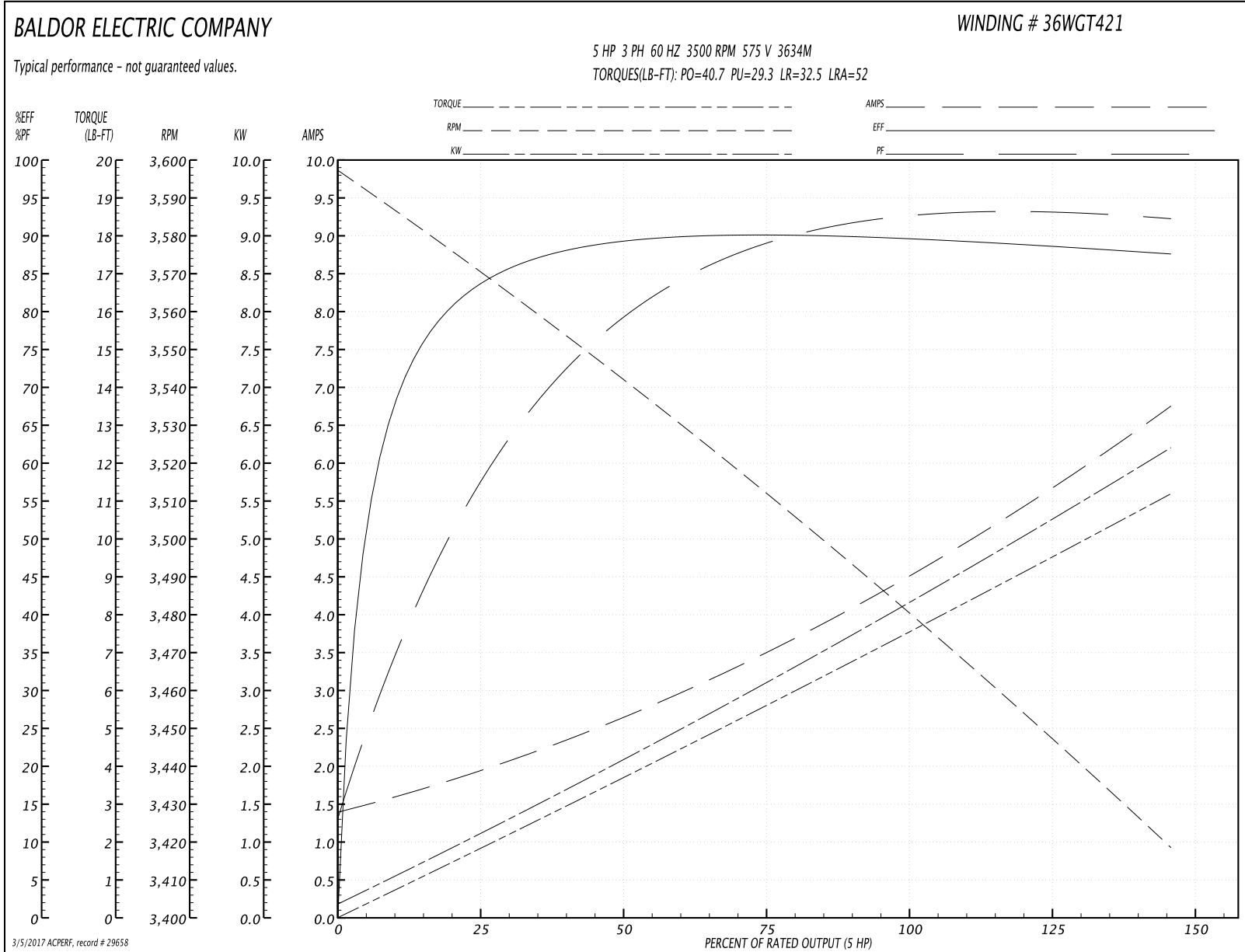
Winding: 36WGT421-R001	Type: 3634M	Enclosure: TEFC
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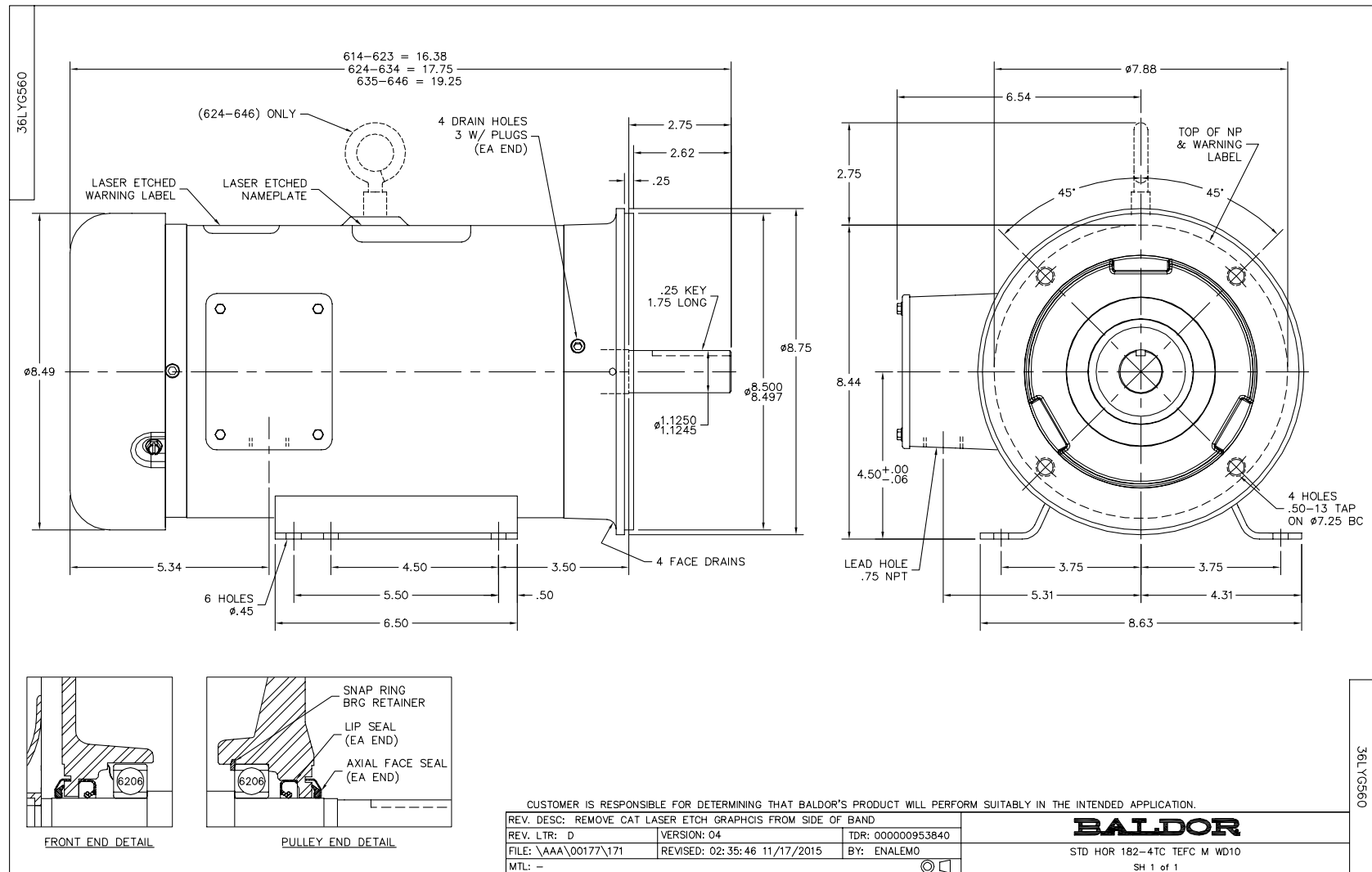
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.49 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	4.5			Breakdown Torque	40.7 LB-FT
R.P.M.	3500			Pull-up Torque	29.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	52 A
Service Factor (S.F.)	1.15			No-load Current	1.44 A
NEMA Nom. Eff.	89.5	Power Factor	95	Line-line Res. @ 25°C	3.05 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	67°C
S.F. Amps				Temp. Rise @ S.F. Load	81°C
				Locked-rotor Power Factor	44
				Rotor inertia	0.152 LB-FT ²

Load Characteristics 575 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	81	88	92	92	93	92
Efficiency	83.9	89	90	89.7	88.9	87.5	89.2
Speed	3568	3540	3512	3483	3451	3417	3464
Line amperes	1.9	2.61	3.56	4.5	5.61	6.72	5.17

Performance Graph at 575V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0006

TYPICAL WYE-CONNECTED MOTOR

1-BLU

3-ORG

2-WHT

J-BRN

J-BRN

OPTIONAL THERMOSTATS

TYPICAL DELTA-CONNECTED MOTOR

1-BLU

2-WHT

3-ORG

J-BRN

J-BRN

OPTIONAL THERMOSTATS

1

2

3

LINE

NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.

2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.

3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.

4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.

5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS				BALDOR ELECTRIC Co.
REV. LTR: D	BY: JLP	REVISED: 01/21/99 4:02	TDR: 0171435	
90000D		FILE: AAA00005141	MDL: -	
		MTL: -		

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006

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