

BALDOR® • RELIANCE

Product Information Packet

CEWDM3615T-5

5HP,1750RPM,3PH,60HZ,184TC,3642M,TEFC,F1

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3642M	Elec. Spec:	36WGS551	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36K190	Layout:	36LYK190
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	08-03-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	08-31-2016
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1669L

CAT.NO.	CEWDM3615T-5											
SPEC.	36K190S551G1											
HP	5											
VOLTS	575											
AMP	5.3											
RPM	1750											
FRAME	184TC				HZ		60				PH	3
SER.F.	1.15			CODE	J	DES		B	CLASS			F
NEMA-NOM-EFF	89.5				PF	78						
RATING	40C AMB-CONT											
CC	010A				USABLE AT 208V							
DE	6206				ODE	6205						
ENCL	TEFC			SN								
BLANK												

Parts List		
Part Number	Description	Quantity
SA200848	SA 36K190S551G1	1.000 EA
RA188159	RA 36K190S551G1	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
36CB3005A03W	36 CB .75 NPT @ 6 W/WHITE EPOXY	1.000 EA
35GS1040	35 MOLDED GASKET W/LIP, LEAD SEAL,	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
36EP3104A03MW	FREP MACH (RAISED FH PADS) WHITE EPOXY	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36PE3301A27MW	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B50SP	SEAL 1.156 X 1.874 X 0.250 SINGLE LIP DB	1.000 EA
10XN2520S26	1/4-20X 1 5/8 HEX HD SS	4.000 EA
36FH4010A08	IEC FH NO GREASER - W/PRIMER	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
36CB4518	36 LIPPED CB LID PRIMED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B32SP	V-RING SLINGER 1.000 X 1.540 X .24 VITON	1.000 EA
HW4600B36SP	V-RING SLINGER 1.188 X 1.690 X .24 VITON	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS 781.01, SIGNAL WHITE #9003	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
HA3101S28	THRUBOLT- 1/4-20 X 12.50 SS	4.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1669L	SS WD SUPER-E UL CSA-EEV PREM REV MTG	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.028 EA

AC Induction Motor Performance Data

Record # 32022 - Typical performance - not guaranteed values

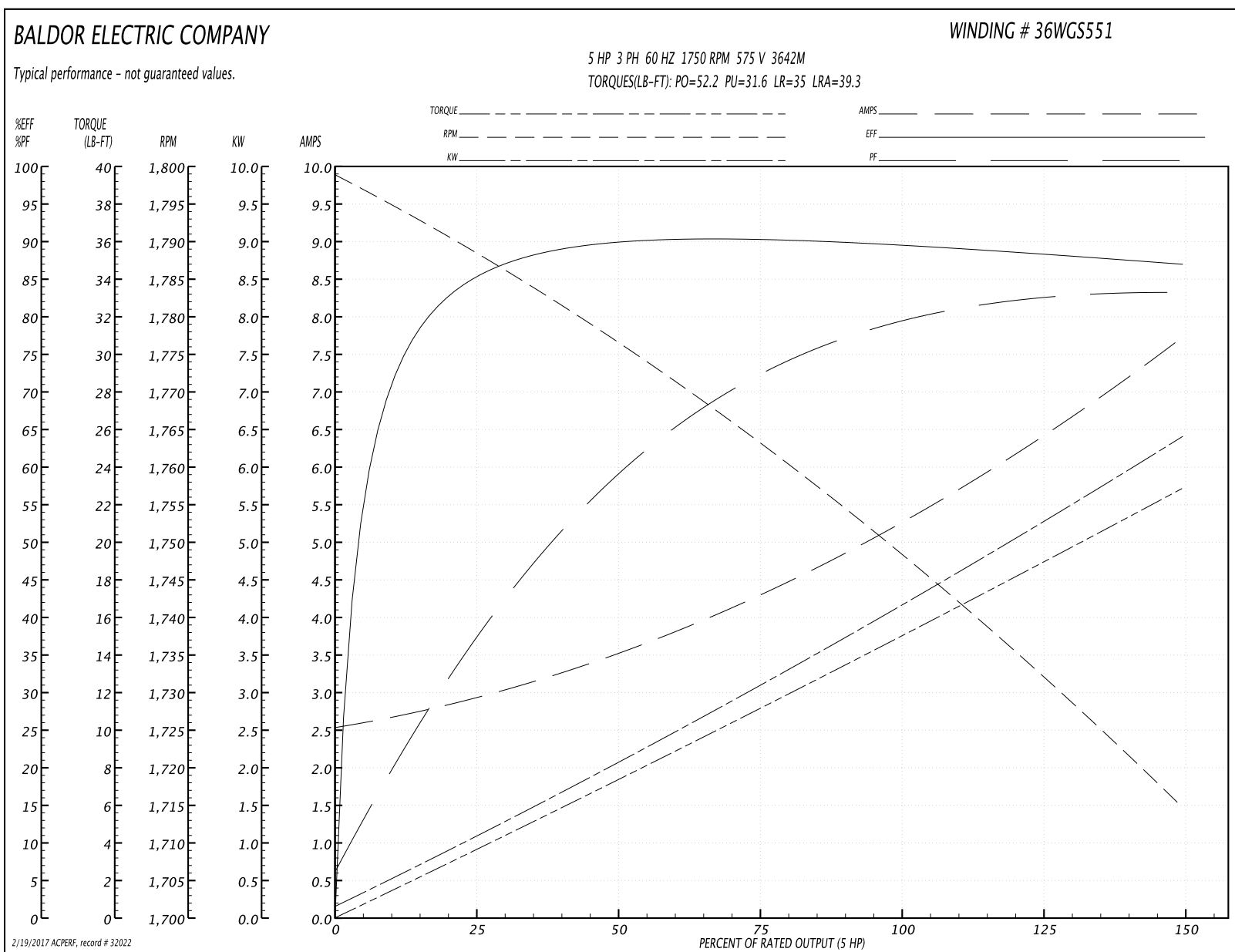
Winding: 36WGS551-R001	Type: 3642M	Enclosure: TEFC
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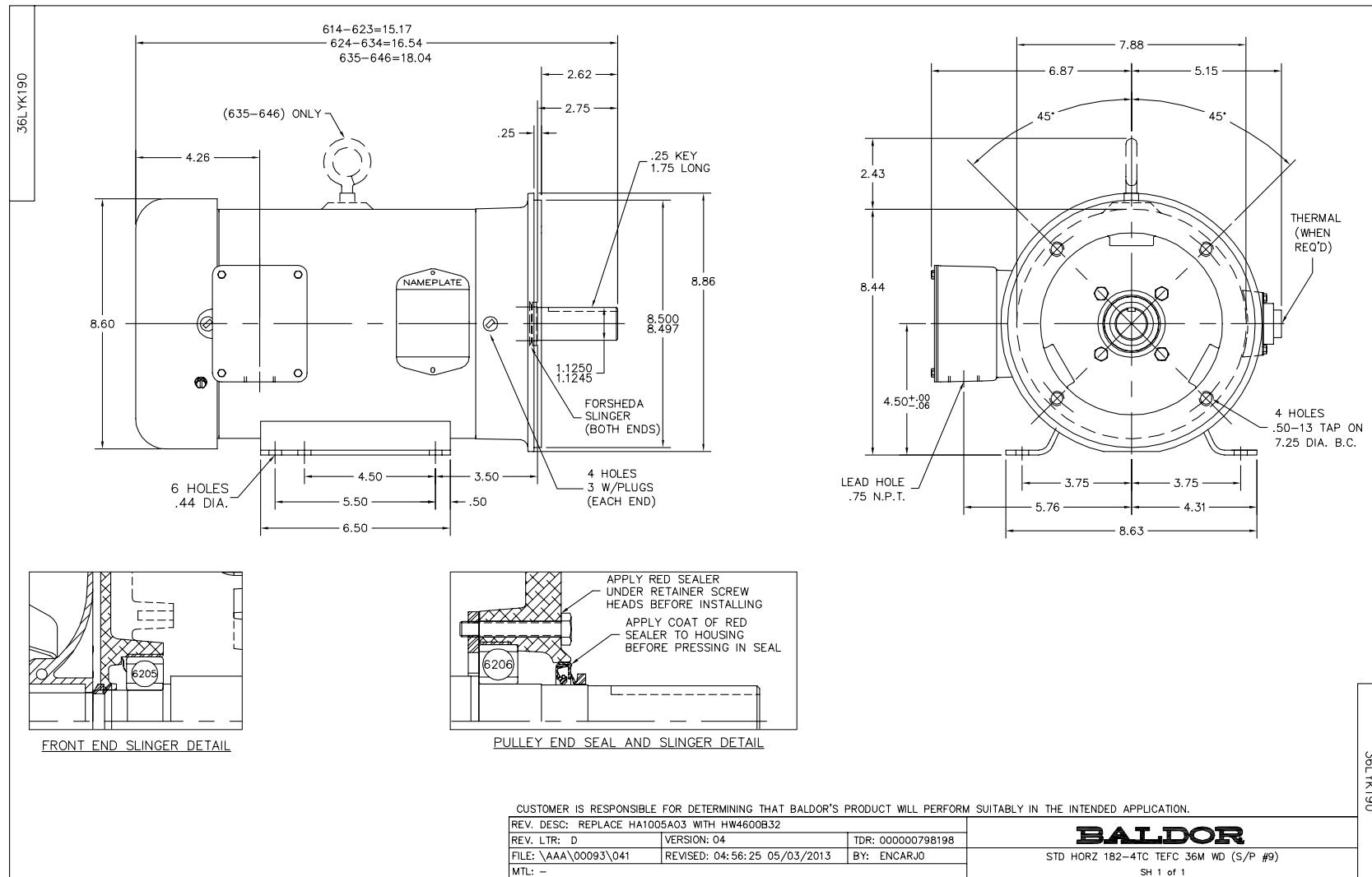
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	5.3			Breakdown Torque	52.2 LB-FT
R.P.M.	1750			Pull-up Torque	31.6 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	35 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	39.3 A
Service Factor (S.F.)	1.15			No-load Current	2.6 A
NEMA Nom. Eff.	89.5	Power Factor	78	Line-line Res. @ 25°C	3.57 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	77°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Locked-rotor Power Factor	40
				Rotor inertia	0.391 LB-FT ²

Load Characteristics 575 V, 60 Hz, 5 HP

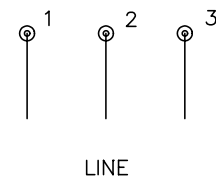
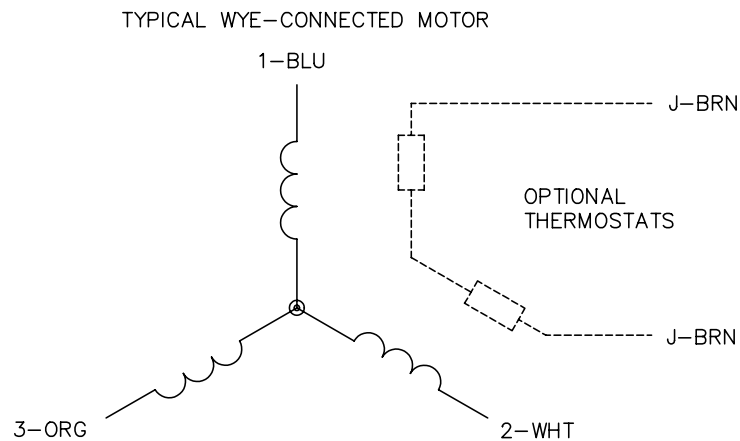
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	38	60	72	78	83	83	81
Efficiency	84.8	89.6	90.5	89.5	88.5	86.9	88.9
Speed	1789	1776	1762	1750	1733	1714	1740
Line amperes	2.85	3.45	4.35	5.33	6.36	7.72	5.95

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





CD0006



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

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006