

BALDOR® • RELIANCE

Product Information Packet

EM3615T-8

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

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3642M	Elec. Spec:	36WGS589	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A001	Layout:	36LYA001
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	08-07-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	10-29-2015
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP3441L

CAT.NO.	EM3615T-8										
SPEC.	36A001S589G3										
HP	5										
VOLTS	200										
AMP	15.2										
RPM	1750										
FRAME	184T					HZ	60			PH	3
SER.F.	1.15			CODE	J		DES	B		CL	F
NEMA-NOM-EFF	89.5			PF	78						
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						
DE	6206					ODE	6205				
ENCL	TEFC			SN							
VPWM INVERTER READY											
CT6-60H(10:1)VT3-60H(20:1)											

Parts List		
Part Number	Description	Quantity
SA305160	SA 36A001S589G3	1.000 EA
RA292366	RA 36A001S589G3	1.000 EA
36FN3000C01	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 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
36FE3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4009A102	IEC FH GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	36 LIPPED CB LID	1.000 EA
37GS1001	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HW3200A01	3/8-16X3/4 I-BLT WELDED F/S	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA3101A28	THRUBOLT 1/4-20 X 12.500 OHIO ROD	4.000 EA
LC0006	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 49315 - Typical performance - not guaranteed values

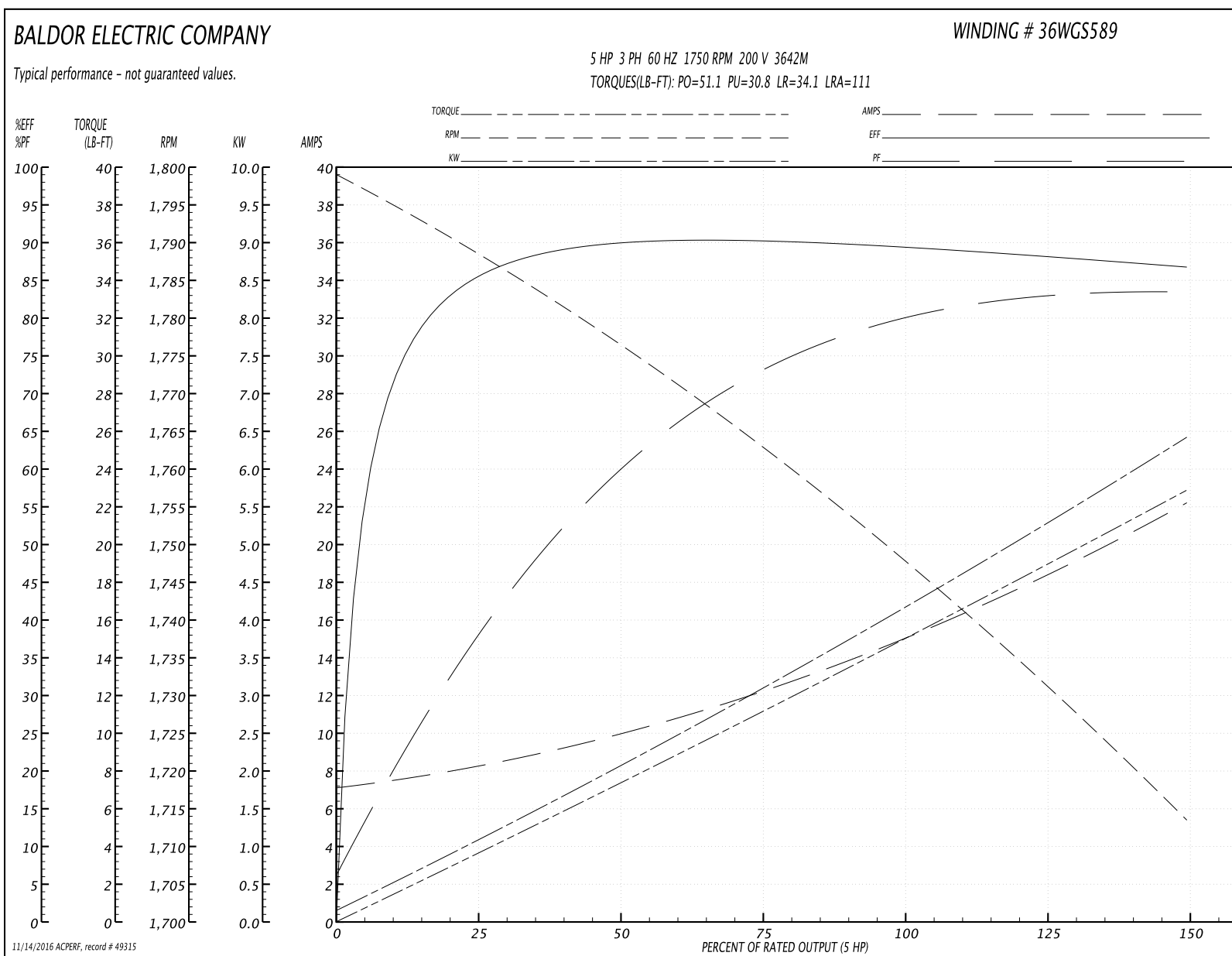
Winding: 36WGS589-R003	Type: 3642M	Enclosure: TEFC
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Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	14.9 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	15.2			Breakdown Torque	51.1 LB-FT
R.P.M.	1750			Pull-up Torque	30.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	34.1 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	111 A
Service Factor (S.F.)	1.15			No-load Current	7.29 A
NEMA Nom. Eff.	89.5	Power Factor	78	Line-line Res. @ 25°C	0.447 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	87°C
				Locked-rotor Power Factor	40.2
				Rotor inertia	0.391 LB-FT ²

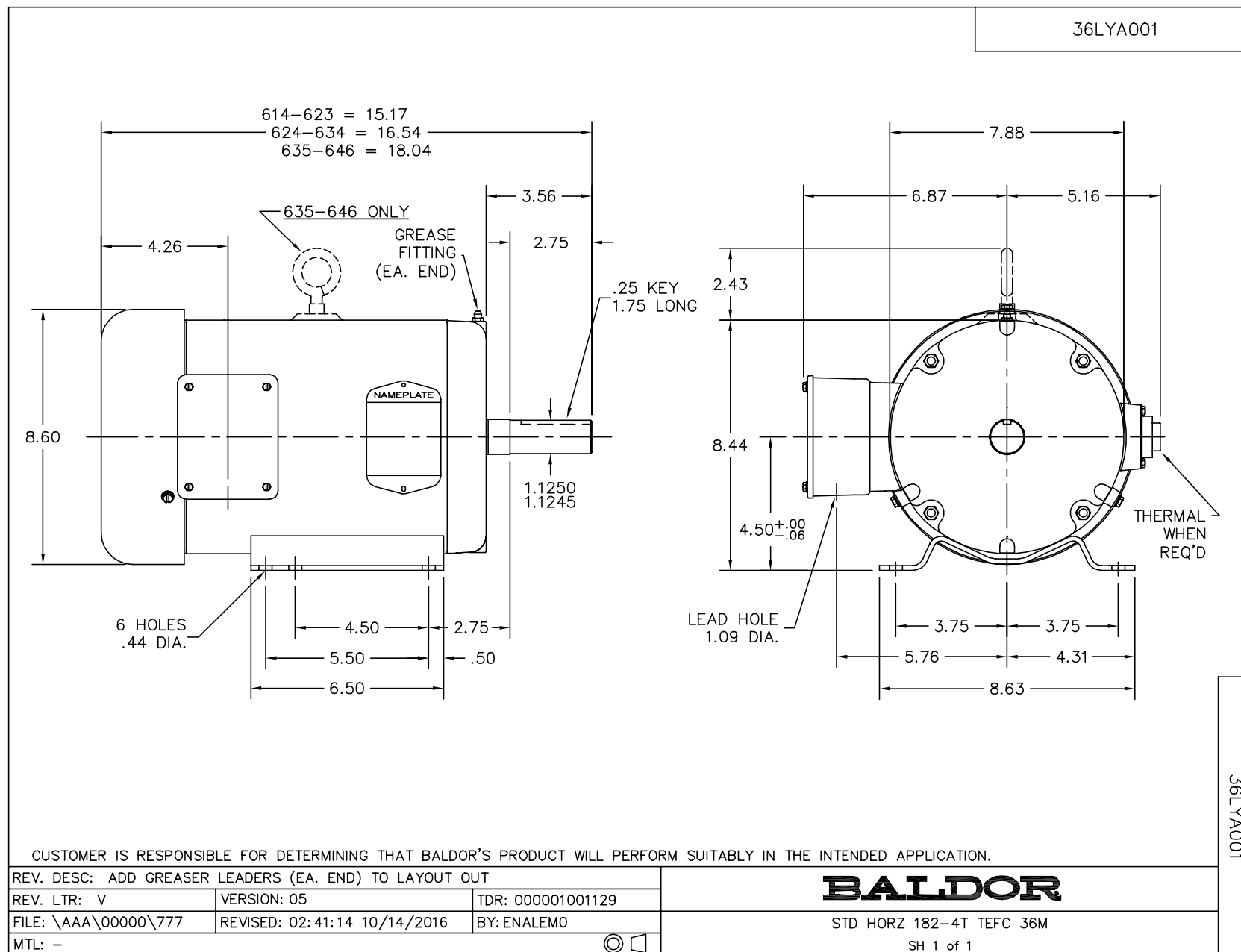
Load Characteristics 200 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	61	72	79	83	84	81
Efficiency	85.2	89.7	90.4	89.4	88.4	86.7	88.8
Speed	1789	1776	1762	1749	1732	1713	1739
Line amperes	8.02	9.79	12.4	15.2	18.2	22.2	17

Performance Graph at 200V, 60Hz, 5.0HP Typical performance - Not guaranteed values



11/14/2016 ACPERF, record # 49315



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