

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **VEM3611T-5**

**3HP, 1760RPM, 3PH, 60HZ, 182TC, 3631M, TEFC, F1**

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3632M	Elec. Spec:	36WGS582	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A003	Layout:	36LYA003
Frame:	182TC	Mounting:	F1	Poles:	04	Created Date:	09-24-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	11-16-2016
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

## Nameplate NP3441L

CAT.NO.	VEM3611T-5							
SPEC.	36A003S582G1							
HP	3							
VOLTS	575							
AMP	3.3							
RPM	1760							
FRAME	182TC		HZ	60		PH	3	
SER.F.	1.15		CODE	K	DES	B	CL	F
NEMA-NOM-EFF	89.5		PF	75				
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
SA203580	SA 36A003S582G1	1.000 EA
RA190841	RA 36A003S582G1	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
36PE3301A23	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A28	1/4-20X 1 3/4 HEX HD	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	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

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.022 GA
LB1119N	WARNING LABEL	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP3441L	ALUM SUPER-E VPWM INVERTER READY UL	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

**AC Induction Motor Performance Data**

Record # 32437 - Typical performance - not guaranteed values

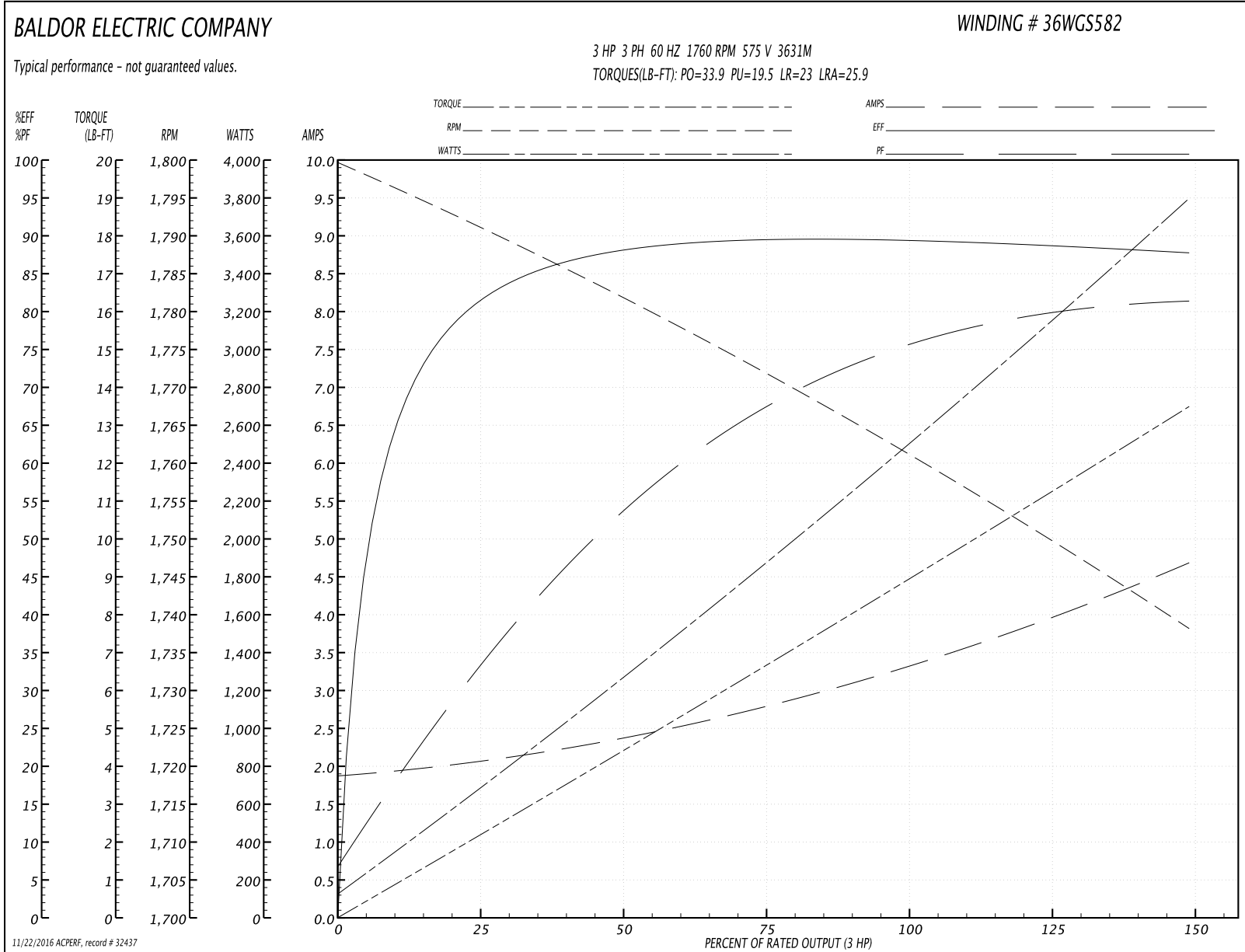
<b>Winding:</b> 36WGS582-R001	<b>Type:</b> 3631M	<b>Enclosure:</b> TEFC
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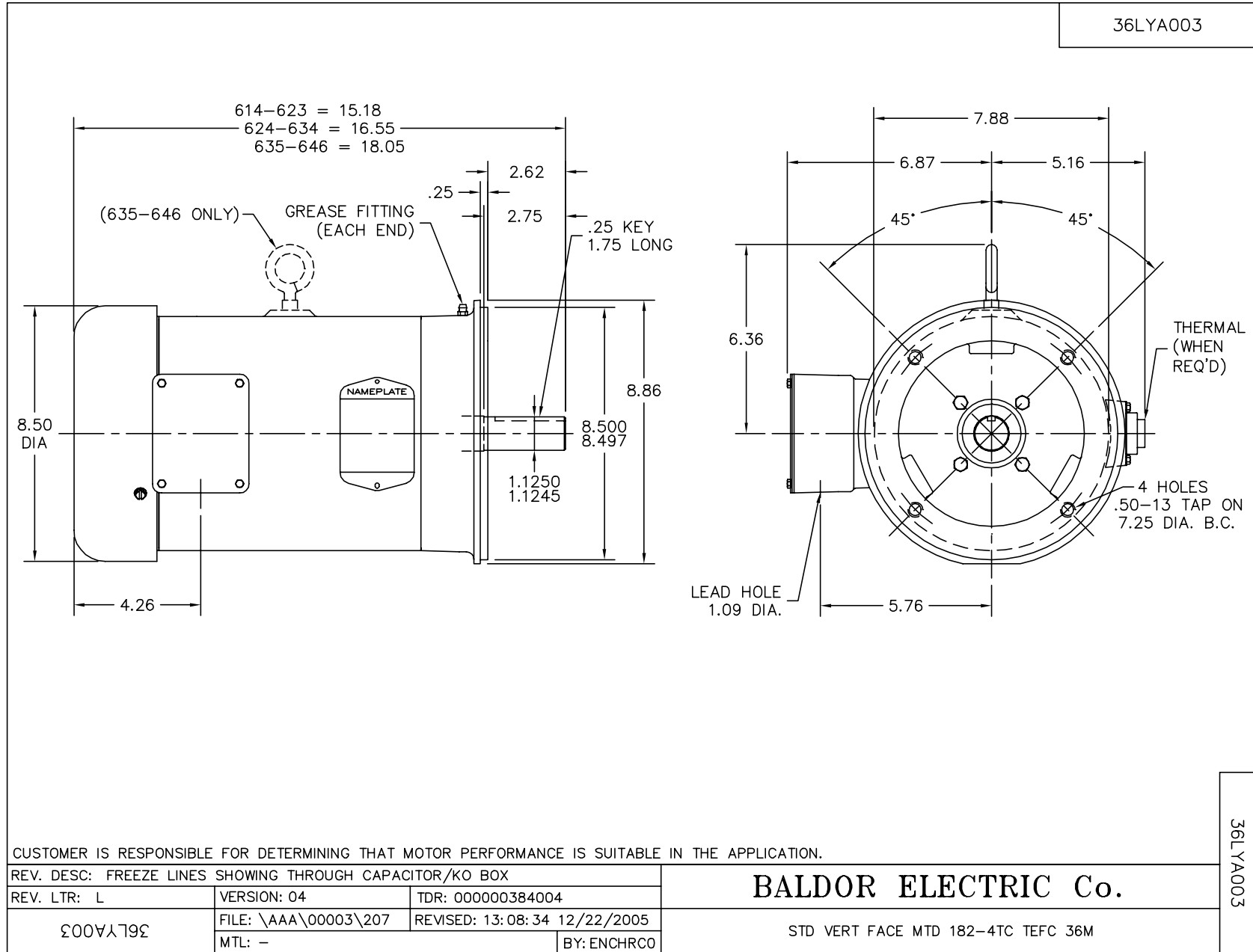
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3			Full Load Torque	8.88 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	3.3			Breakdown Torque	33.9 LB-FT
R.P.M.	1760			Pull-up Torque	19.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	23 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	25.9 A
Service Factor (S.F.)	1.15			No-load Current	1.9 A
NEMA Nom. Eff.	89.5	Power Factor	75	Line-line Res. @ 25°C	6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	40°C
S.F. Amps				Temp. Rise @ S.F. Load	48°C
				Locked-rotor Power Factor	43
				Rotor inertia	0.289 LB-FT <sup>2</sup>

Load Characteristics 575 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	54	67	75	79	82	77
Efficiency	80.5	87.7	89.5	89.5	88.9	87.6	89.1
Speed	1791	1782	1772	1762	1750	1738	1755
Line amperes	2.03	2.34	2.77	3.34	3.97	4.66	3.72

Performance Graph at 575V, 60Hz, 3.0HP 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