

# **BALDOR® • RELIANCE**

## **Product Information Packet**

# **VEM3613T**

**5HP,3450RPM,3PH,60HZ,184TC,3630M,TEFC,F1**

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Part Detail									
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3630M	Elec. Spec:	36WGS042	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A003	Layout:			
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	05-10-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	07-13-2012		
Leads:	9#16	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.	VEM3613T								
SPEC.	36A003S042G1								
HP	5								
VOLTS	230/460								
AMP	11.8/5.9								
RPM	3450								
FRAME	184TC	HZ	60	PH	3				
SER.F.	1.15	CODE	L	DES	A	CL	F		
NEMA-NOM-EFF	88.5	PF	91						
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6206	ODE	6205						
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA194649	SA 36A003S042G1	1.000 EA
RA182235	RA 36A003S042G1	1.000 EA
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	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	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3104A01	FREP MACH W/GRSR, RAISED FH PADS	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3301A23	PU ENDPLATE, ENCL. 182-4TC 206 BRG. W/GR	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
36FH4009A102SP	IEC FH GREASER W/AUTOPHERETIC PRIMER	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
37GS1001SP	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

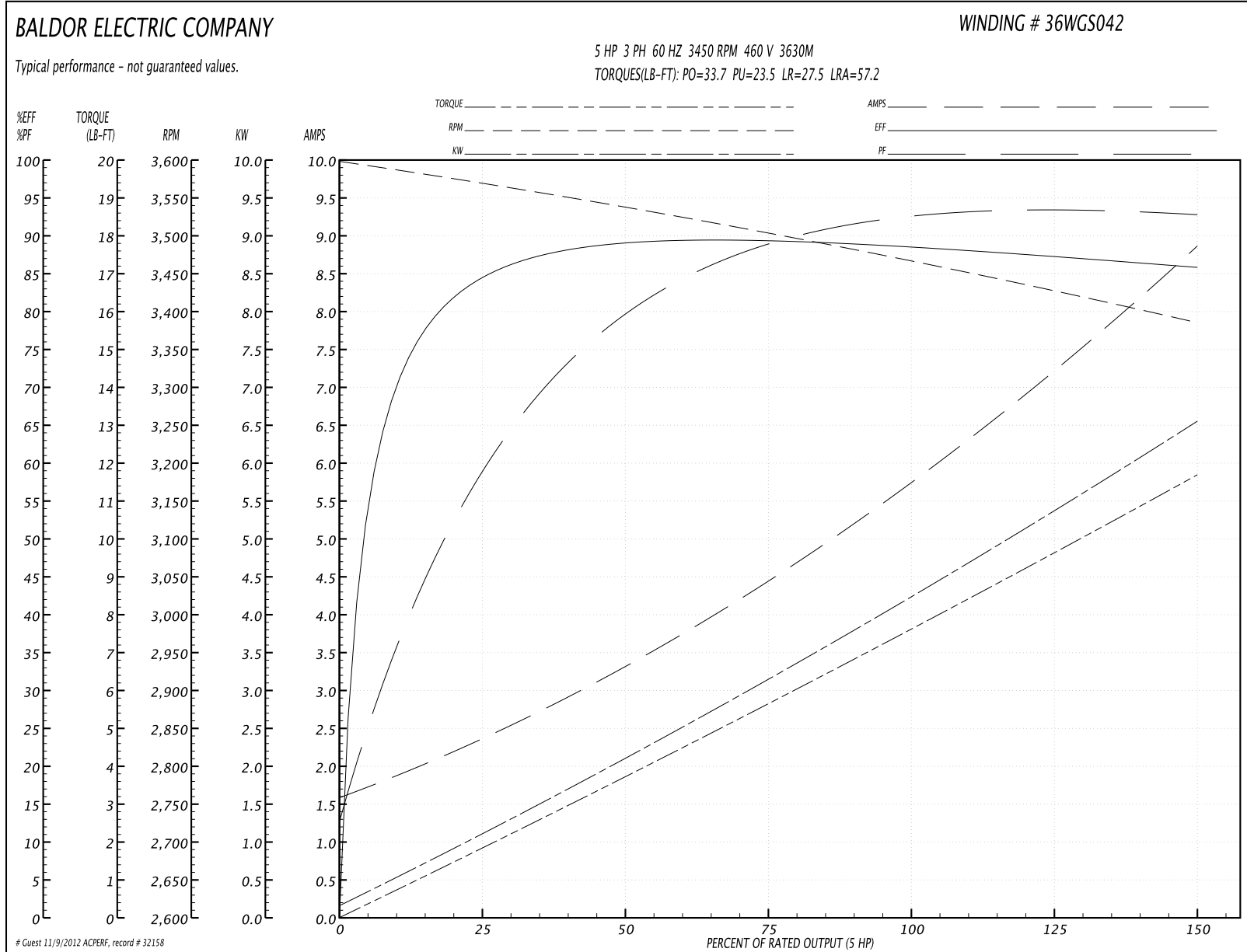
Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.022 GA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119)	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
NP1259L	ALUM SUPER-E UL CSA-EEV CC NEMA PREMIUM	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

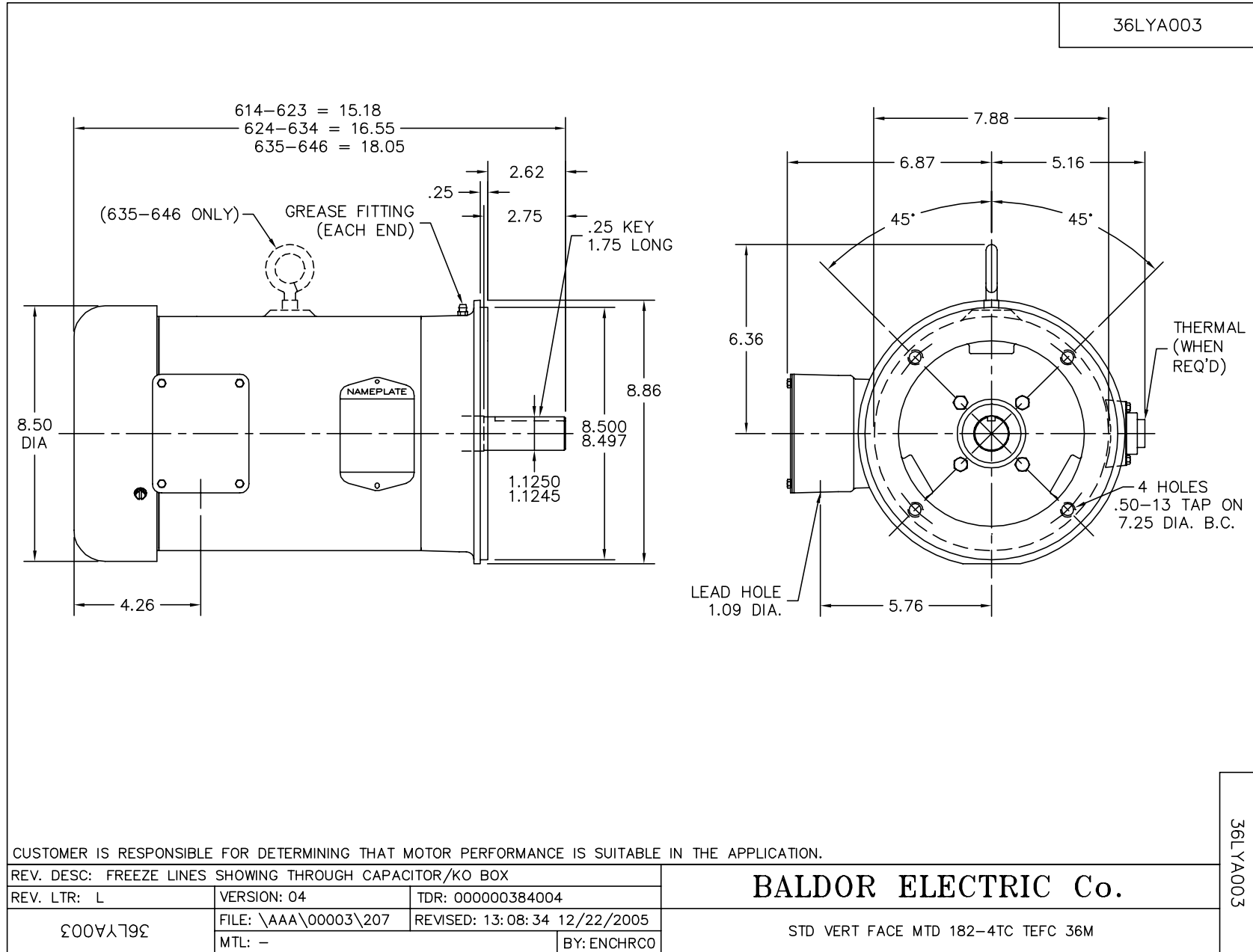
**Performance Data at 460V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)**

General Characteristics			
Full Load Torque:	7.67 LB-FT	Start Configuration:	DOL
No-Load Current:	1.68 Amps	Break-Down Torque:	33.7 LB-FT
Line-line Res. @ 25°C.:	2.3313 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	23.5 LB-FT
Temp. Rise @ Rated Load:	72 C	Locked-Rotor Torque:	27.5 LB-FT
Temp. Rise @ S.F. Load:	89 C	Starting Current:	57.2 Amps

Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	62.0	81.0	88.0	91.0	93.0	93.0	92.0
Efficiency:	84.1	88.9	89.4	88.7	87.3	85.8	87.9
Speed:	3568.7	3537.4	3504.2	3465.8	3428.2	3385.0	3443.0
Line Amperes:	2.24	3.26	4.47	5.85	7.26	8.8	6.7

Performance Graph at 460V, 60Hz, 5.0HP Typical performance - Not guaranteed values

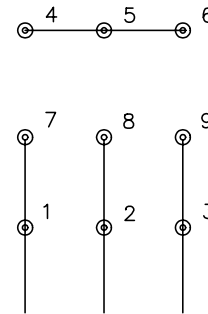




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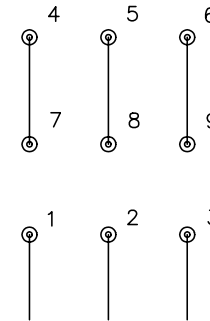


LOW VOLTAGE  
(2Y)



LINE

HIGH VOLTAGE  
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E BY: JLP

REVISED: 01/19/99 10:15

TDR: 0171435

90000

FILE: AAA00005140

MDL: -

MTL: -

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

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