

BALDOR® • RELIANCE

Product Information Packet

VEM3613T-5

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

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Part Detail									
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3630M	Elec. Spec:	36WGS505	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A003	Layout:			
Frame:	182TC	Mounting:	F1	Poles:	02	Created Date:	04-30-2010		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	07-13-2012		
Leads:	3#16	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1259L									
CAT.NO.	VEM3613T-5								
SPEC.	36A003S505G1								
HP	5								
VOLTS	575								
AMP	4.7								
RPM	3450								
FRAME	182TC	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							

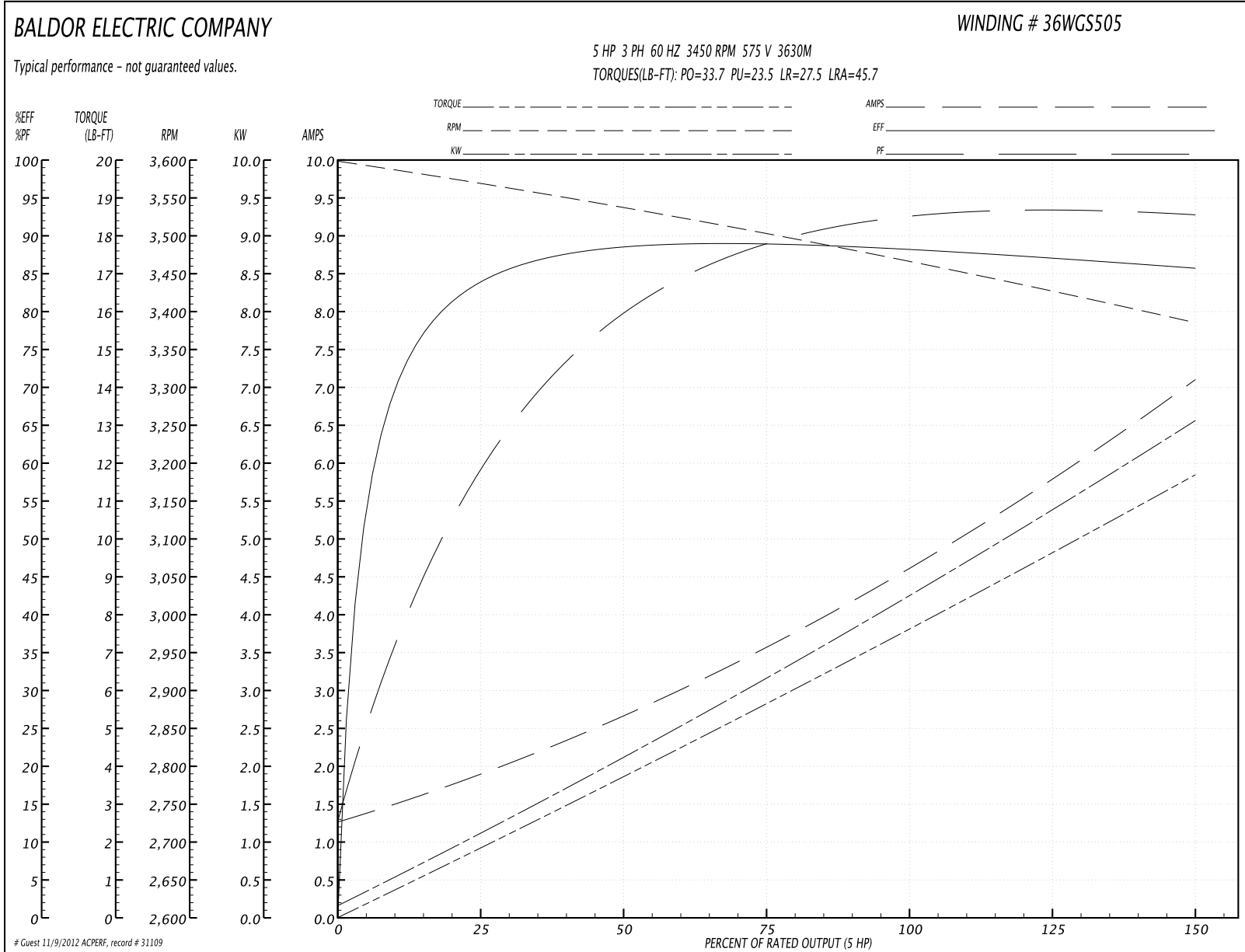
Parts List		
Part Number	Description	Quantity
SA194227	SA 36A003S505G1	1.000 EA
RA181815	RA 36A003S505G1	1.000 EA
34FN3002B02	EXTERNAL FAN, PLASTIC, .905/.907 HUB W/	1.000 EA
S/P107-000-001	SUPER E PROC'S-FS & WS PLTS-POLYREX EM G	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	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

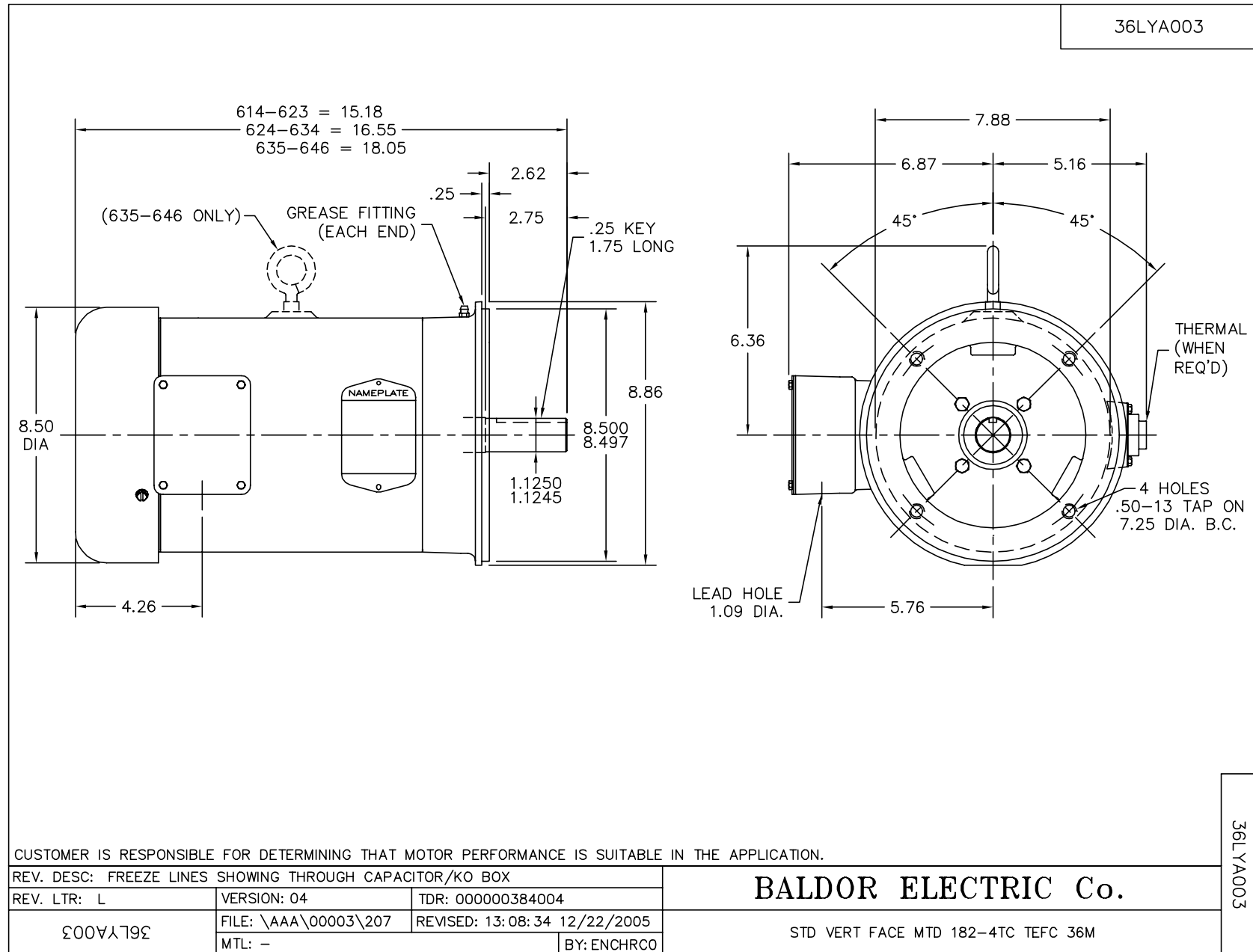
Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000Y03	WILKO 689.710 GOLD PAINT SUPER E	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LB1357	ENERGY GUIDE LABEL (BOX LABEL)	1.000 SH
LC0006	CONNECTION LABEL	1.000 EA
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 575V, 60Hz, 5.0HP (Typical performance - Not guaranteed values)

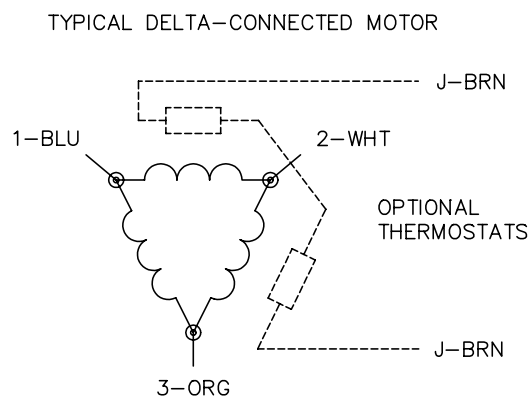
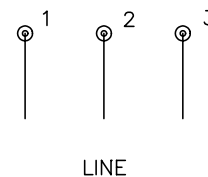
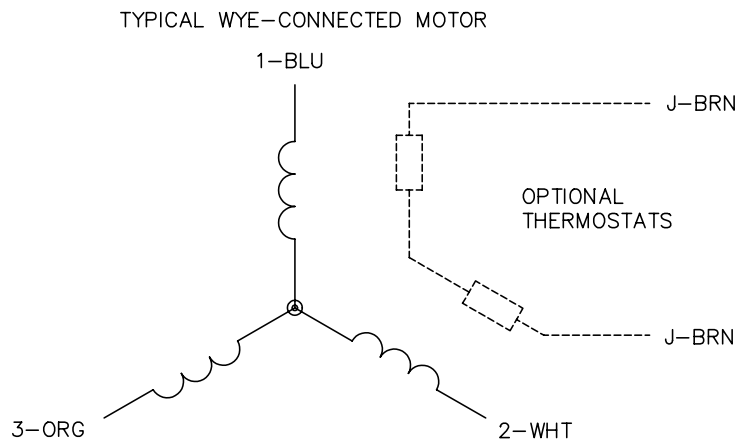
General Characteristics							
Full Load Torque:		7.64 LB-FT		Start Configuration:		DOL	
No-Load Current:		1.34 Amps		Break-Down Torque:		33.7 LB-FT	
Line-line Res. @ 25°C.:		3.57 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		23.5 LB-FT	
Temp. Rise @ Rated Load:		72 C		Locked-Rotor Torque:		27.5 LB-FT	
Temp. Rise @ S.F. Load:		88 C		Starting Current:		45.7 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	63.0	81.0	88.0	91.0	93.0	93.0	92.0
Efficiency:	83.2	88.4	89.1	88.5	87.0	85.7	87.5
Speed:	3569.0	3537.0	3504.0	3466.0	3428.0	3385.0	3443.0
Line Amperes:	1.79	2.61	3.58	4.68	5.81	7.05	5.36

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

90000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

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