

BALDOR® • RELIANCE

Product Information Packet

M3615T-8

5HP,1745RPM,3PH,60HZ,184T,3634M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3634M	Elec. Spec:	36WGS624	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36A001	Layout:	36LYA001
Frame:	184T	Mounting:	F1	Poles:	04	Created Date:	12-21-2011
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	04-25-2014
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	M3615T-8									
SPEC.	36A001S624H1									
HP	5									
VOLTS	200									
AMP	15.5									
RPM	1745									
FRAME	184T	HZ			60	PH		3		
SER.F.	1.15	CODE			J	DES		B	CLASS	F
NEMA-NOM-EFF	87.5	PF			79					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6206	ODE			6205					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA236394	SA 36A001S624H1	1.000 EA
RA223340	RA 36A001S624H1	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	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
36EP3100A01SP	PU ENDPLATE, MACH	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 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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0006	CONNECTION LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 37303 - Typical performance - not guaranteed values

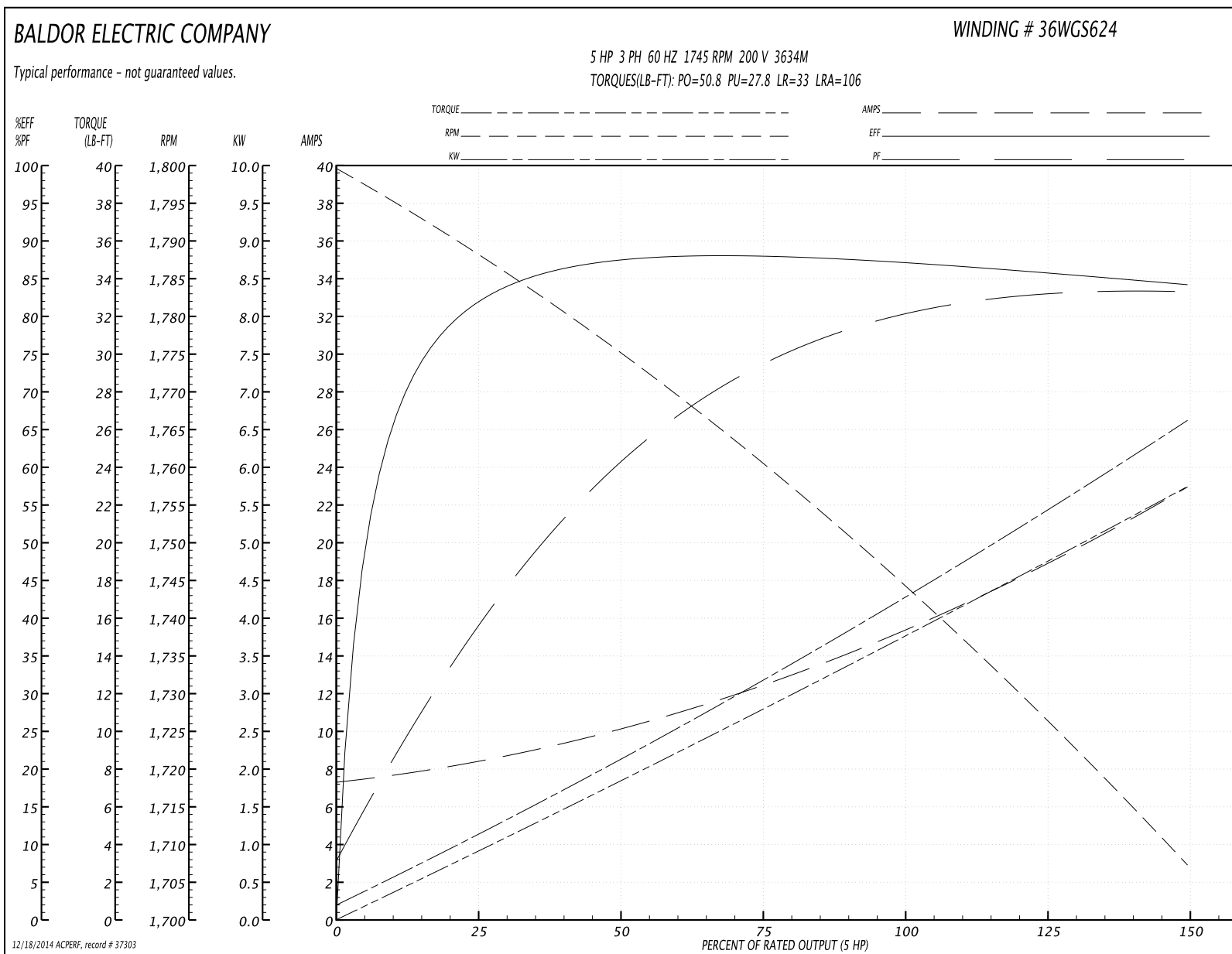
Winding: 36WGS624-R001	Type: 3634M	Enclosure: TEFC
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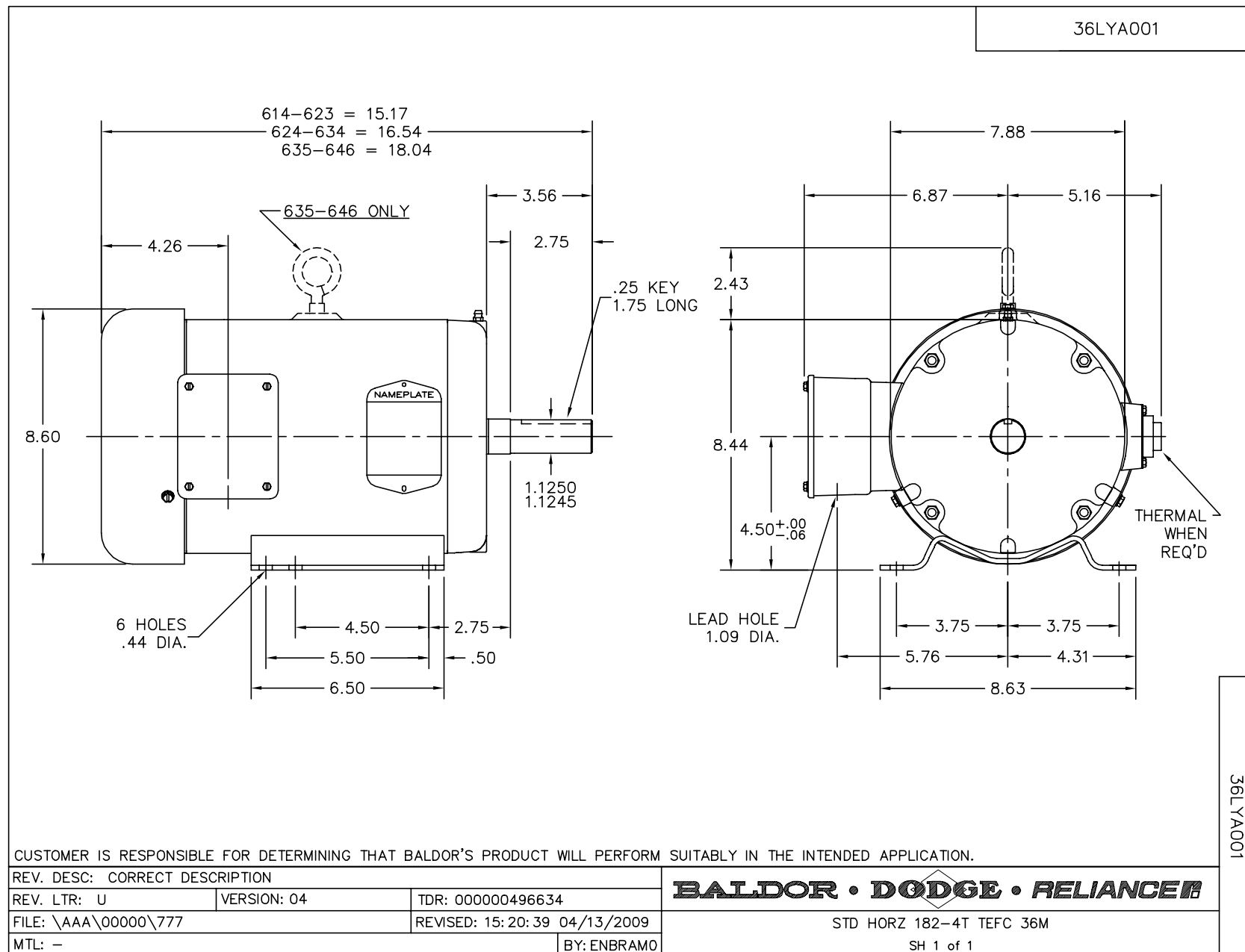
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	15.5			Breakdown Torque	50.8 LB-FT
R.P.M.	1745			Pull-up Torque	27.8 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	33 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	106 A
Service Factor (S.F.)	1.15			No-load Current	7.42 A
NEMA Nom. Eff.	87.5	Power Factor	79	Line-line Res. @ 25°C	0.503 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps				Temp. Rise @ S.F. Load	94°C
				Rotor inertia	0.317 LF ²

Load Characteristics 200 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	61	74	79	83	84	81
Efficiency	81.3	87.2	87.7	87.6	85.9	84.1	86.6
Speed	1788	1775	1761	1745	1727	1707	1734
Line amperes	8.25	10	12.4	15.5	18.8	22.9	17.5

Performance Graph at 200V, 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

CD0006