

BALDOR® • RELIANCE

Product Information Packet

VJMM3615T-5

5HP,1750RPM,3PH,60HZ,184JM,3638M,TEFC,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3638M	Elec. Spec:	36WGX876	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36S067	Layout:	36LYS067
Frame:	184JM	Mounting:	F1	Poles:	04	Created Date:	08-07-2008
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	10-17-2014
Leads:	3#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	VJMM3615T-5									
SPEC.	36S067X876									
HP	5									
VOLTS	575									
AMP	5.2									
RPM	1750									
FRAME	184JM	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		B	CLASS	F
NEMA-NOM-EFF	87.5	PF			80					
RATING	40C AMB-CONT									
CC	010A	USABLE AT 208V								
DE	6207	ODE			6205					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA175160	SA 36S067X876	1.000 EA
RA163273	RA 36S067X876	1.000 EA
36CB3000SP	CONDUIT BOX, CAST	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD 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
36EP3405T01	PUEP ENCL 207 BRG T'SLV,GRSR,DRAIN	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
10XN2520A24	1/4-20X 1 1/2 HEX HD X	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 W/AUTOPHERETIC PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4514GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HA1005A07SP	SLINGER, OD 2.25, ID 1.344, 307 BRG	1.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	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
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
36PA1001	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 11138 - Typical performance - not guaranteed values

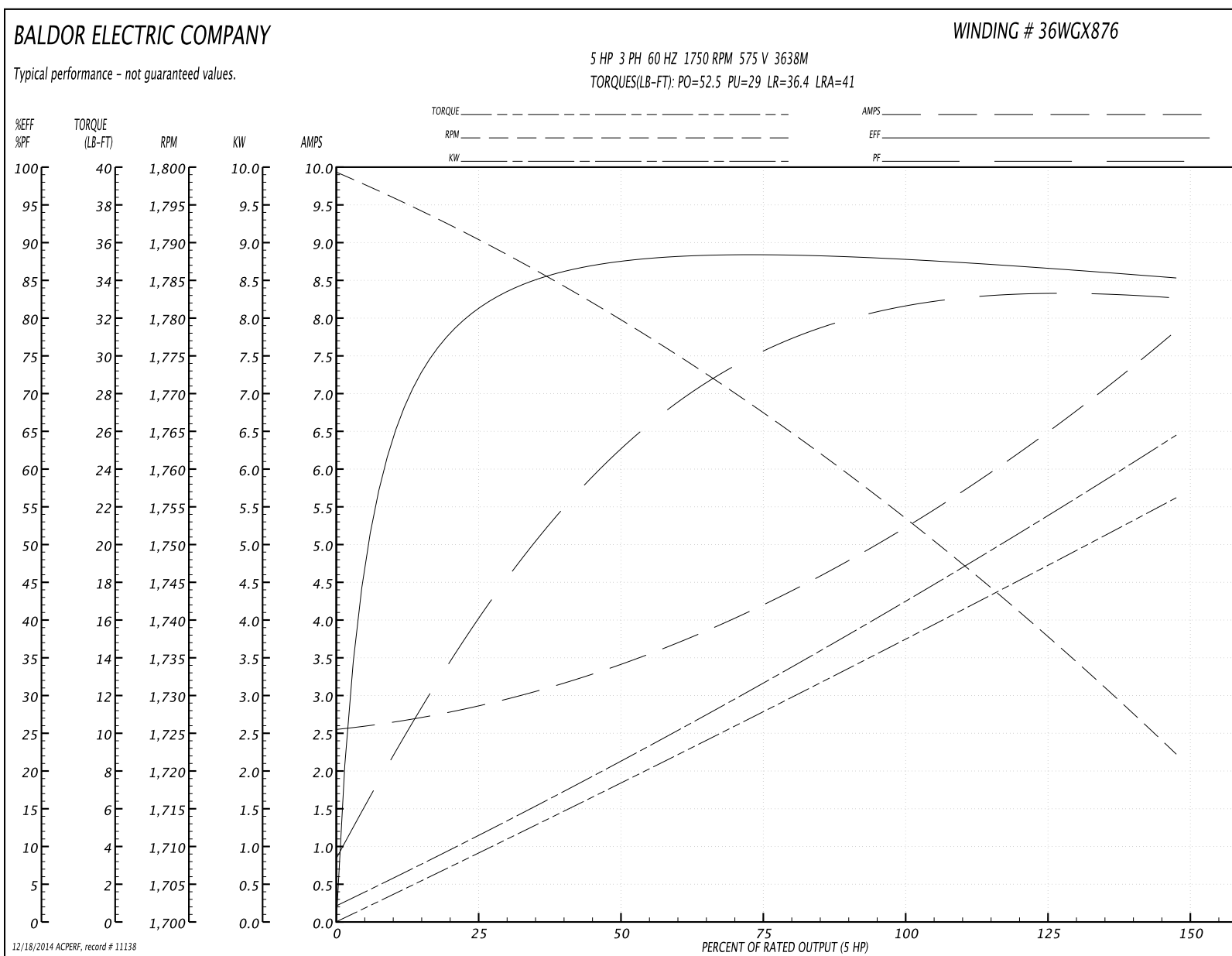
Winding: 36WGX876-R001	Type: 3638M	Enclosure: TEFC
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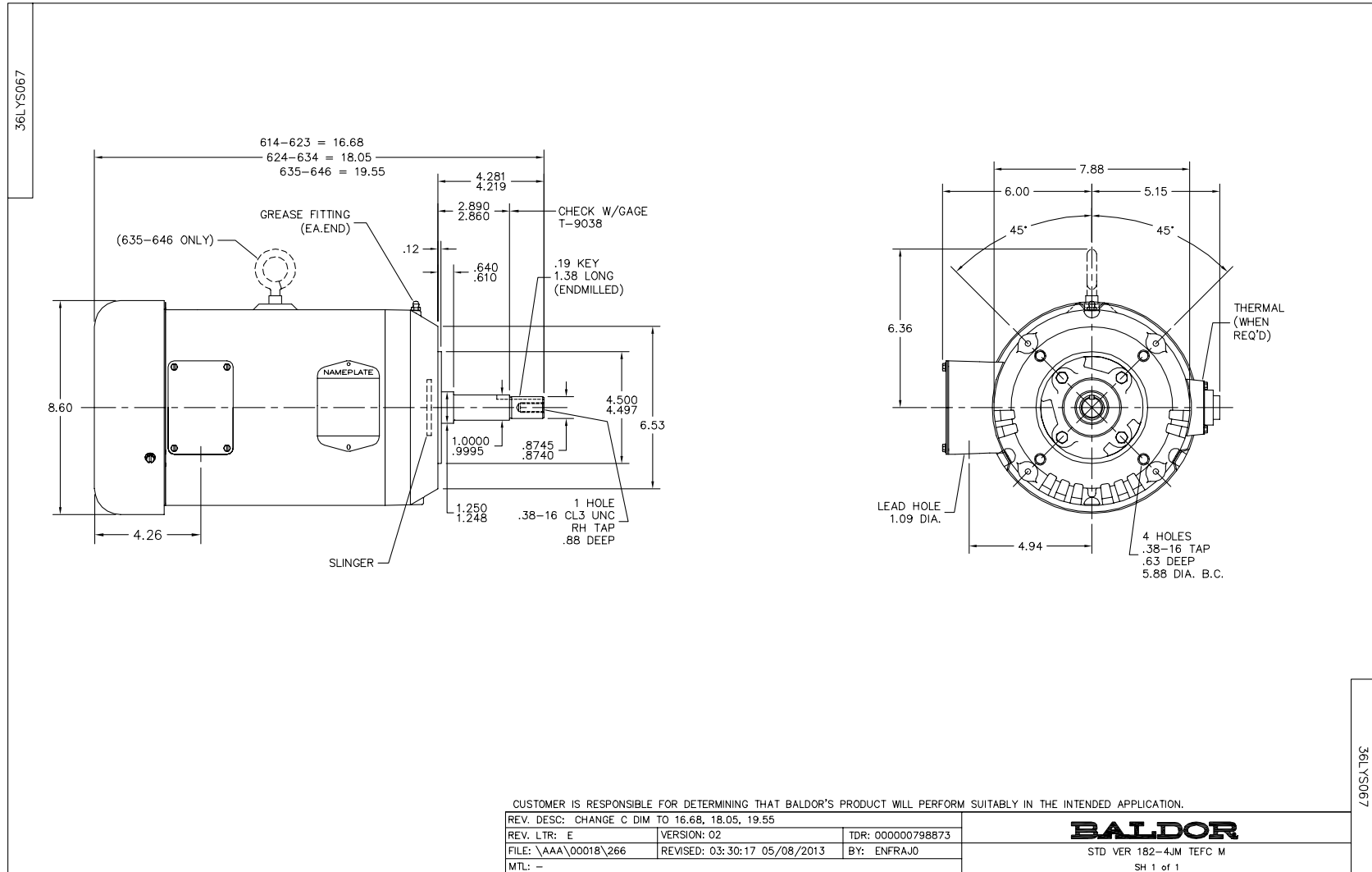
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	15 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	5.2			Breakdown Torque	52.5 LB-FT
R.P.M.	1750			Pull-up Torque	29 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	36.4 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	41 A
Service Factor (S.F.)	1.15			No-load Current	2.6 A
NEMA Nom. Eff.	87.5	Power Factor	80	Line-line Res. @ 25°C	3.95 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	60°C
S.F. Amps				Temp. Rise @ S.F. Load	73°C
				Rotor inertia	0.356 LF ²

Load Characteristics 575 V, 60 Hz, 5 HP

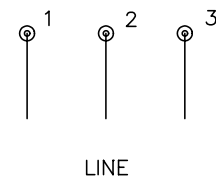
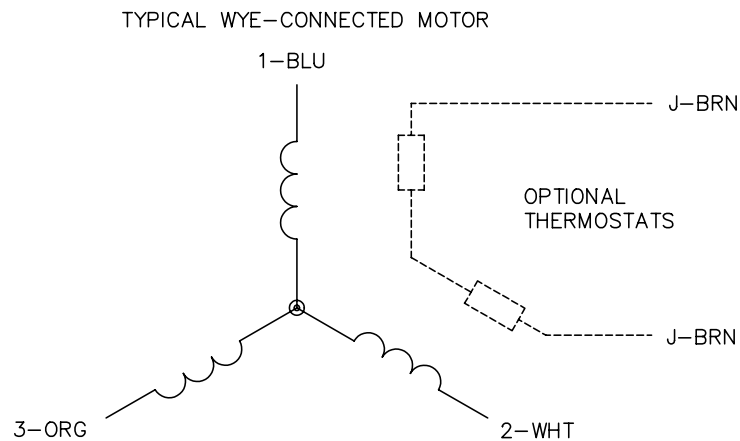
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	63	74	80	83	84	82
Efficiency	81.1	87.3	88.4	87.9	86.8	85.2	87.2
Speed	1791	1779	1767	1753	1739	1722	1745
Line amperes	2.8	3.4	4.3	5.2	6.5	7.8	6

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

900000

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006