

# **BALDOR**® • *RELIANCE*

## **Product Information Packet**

# **VSSEWDM3615T**

**5HP, 1750RPM, 3PH, 60HZ, 184TC, 3646M, TEFC, F1**

Part Detail							
Revision:	G	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS953	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	36N948	Layout:	36LYN948
Frame:	184TC	Mounting:	F1	Poles:	04	Created Date:	01-27-2015
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	06-08-2016
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

<b>Nameplate NP1953B01</b>										
<b>CAT.NO.</b>	VSSEWDM3615T									
<b>SPEC.</b>	36N948S953G2									
<b>HP</b>	5									
<b>VOLTS</b>	230/460									
<b>AMP</b>	13/6.5									
<b>RPM</b>	1750									
<b>FRAME</b>	184TC				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	J	<b>DES</b>	B		<b>CLASS</b>	H	
<b>NEMA-NOM-EFF</b>	89.5			<b>PF</b>	81					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A				<b>USABLE AT 208V</b>	13.8				
<b>DE</b>	6206			<b>ODE</b>	6206					
<b>ENCL</b>	TEFC		<b>SN</b>							

Parts List		
Part Number	Description	Quantity
SA292853	SA 36N948S953G2	1.000 EA
RA278961	RA 36N948S953G2	1.000 EA
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 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
36FE1912A05	FREP TEFC 206 BRG (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F25	AXIAL FACE SEAL AFX-30 304SS/V107 SS CAS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
36PE1913A03	PUEP 182-4TC ENCL 206 BRG (STAINLESS)	1.000 EA
RM1070A42	O-RING,(#70-7.239) VITON .070X7.239	1.000 EA
HW4600F25	AXIAL FACE SEAL AFX-30 304SS/V107 SS CAS	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A14	O-RING, -010 VITON, .250 ID, .070 C.S.	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
36FH4007	FAN COVER #304 STAINLESS W/OUT GREASER	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010	1/16"WHITE LID GASKET	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	4.000 EA
HW2502E16	#303 SS,SQ KEY 1/4 X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT

<b>Parts List (continued)</b>		
<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3101S29	THRUBOLT- 1/4-20X13.00 SS	4.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

**AC Induction Motor Performance Data**

Record # 57384 - Typical performance - not guaranteed values

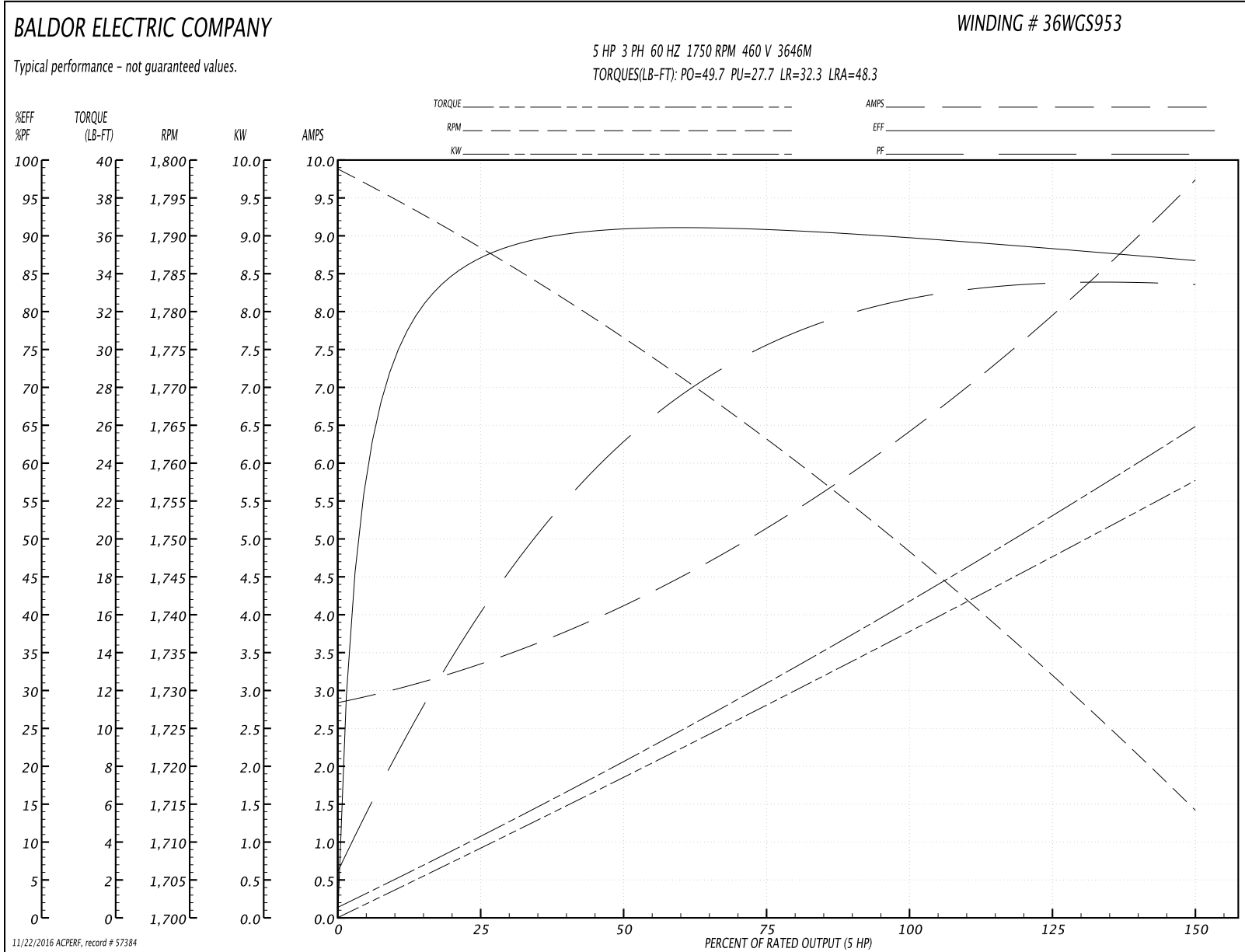
<b>Winding:</b> 36WGS953-R006	<b>Type:</b> 3646M	<b>Enclosure:</b> TEFC
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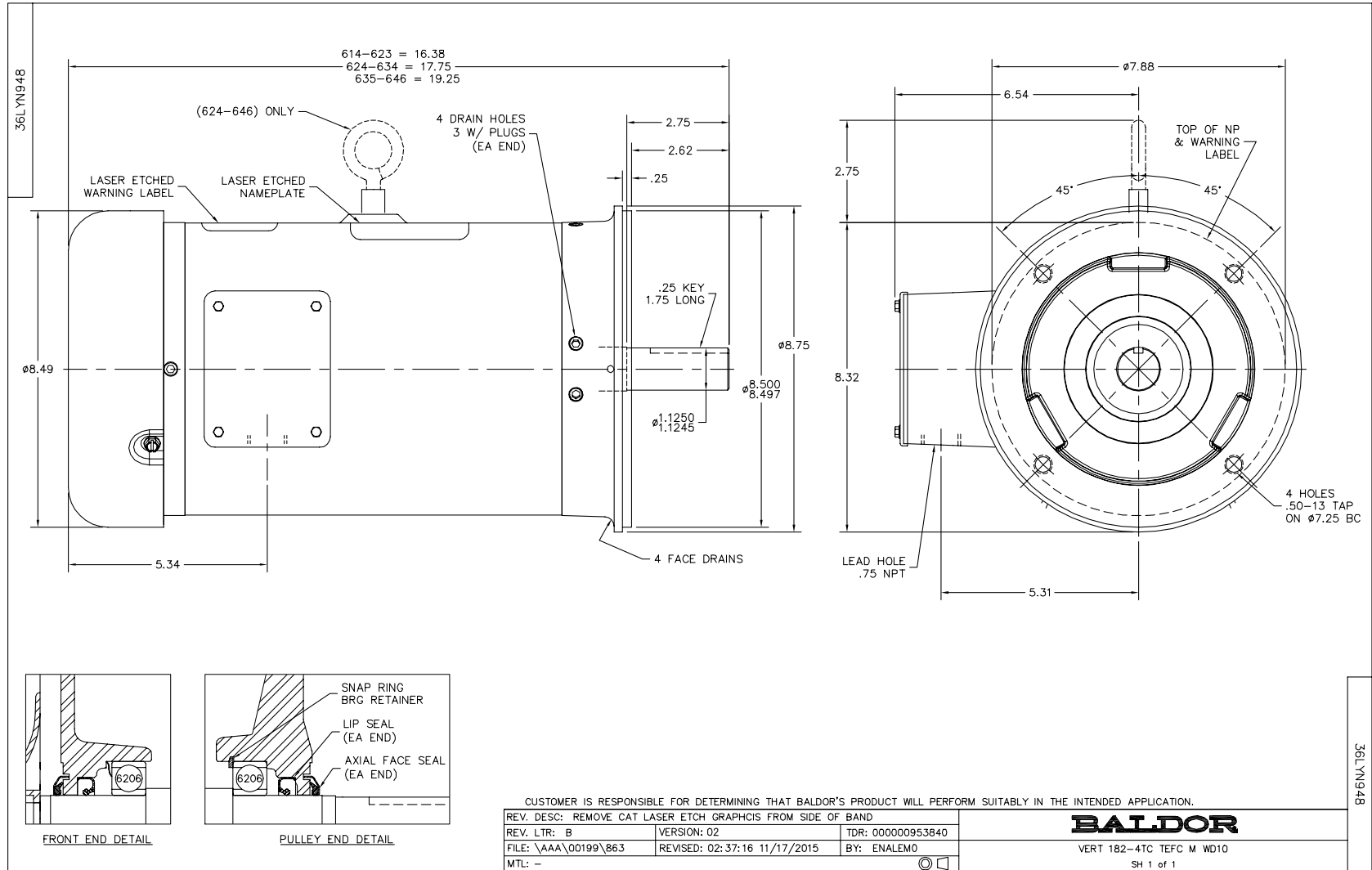
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	15.2 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	13/6.5			Breakdown Torque	49.7 LB-FT
R.P.M.	1750			Pull-up Torque	27.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	32.3 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	48.3 A
Service Factor (S.F.)	1.15			No-load Current	2.91 A
NEMA Nom. Eff.	89.5	Power Factor	81	Line-line Res. @ 25°C	2.32 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	87°C
S.F. Amps				Temp. Rise @ S.F. Load	107°C
				Locked-rotor Power Factor	39
				Rotor inertia	0.428 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	64	75	81	83	84	82
Efficiency	86.7	90.5	90.8	90.1	88.4	86.6	89.1
Speed	1788	1776	1763	1748	1732	1714	1738
Line amperes	3.27	4.1	5.2	6.49	8.02	9.69	7.41

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





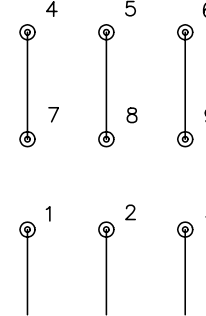
CD0005



LOW VOLTAGE  
(2Y)



HIGH VOLTAGE  
(1Y)



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
9000D		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

CD0005