

# **BALDOR**® • ***RELIANCE***

## **Product Information Packet**

# **VSSEWDM3613T**

**5HP,3500RPM,3PH,60HZ,184TC,3634M,TEFC,F1**

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT149	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36N948	Layout:	36LYN948	Poles:	02	Created Date:	01-27-2015
Base:	N	Eff. Date:	10-23-2017	Leads:	9#16		

Specs			
Catalog Number:	VSSEWDM3613T	Inverter Code:	Inverter Ready
Enclosure:	TEFC	KVA Code:	L
Frame:	184TC	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Stainless Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	5.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3634M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Auxillary Box:	No Auxillary Box	Power Factor:	95
Auxillary Box Lead Termination:	None	Product Family:	Washdown All Stainless
Base Indicator:	No Mounting	Pulley End Bearing Type:	Sealed Bearing
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Face Code:	C-Face
Blower:	None	Pulley Shaft Indicator:	Standard
Current @ Voltage:	11.200 A @ 230.0 V	Rodent Screen:	None
	12.000 A @ 208.0 V	Shaft Extension Location:	Pulley End
	5.600 A @ 460.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible

<b>Drip Cover:</b>	No Drip Cover	<b>Shaft Slinger Indicator:</b>	Shaft Slinger
<b>Duty Rating:</b>	CONT	<b>Speed Code:</b>	Single Speed
<b>Electrically Isolated Bearing:</b>	Not Electrically Isolated	<b>Motor Standards:</b>	NEMA
<b>Feedback Device:</b>	NO FEEDBACK	<b>Starting Method:</b>	Direct on line
<b>Front Face Code:</b>	Standard	<b>Thermal Device - Bearing:</b>	None
<b>Front Shaft Indicator:</b>	None	<b>Thermal Device - Winding:</b>	None
<b>Heater Indicator:</b>	No Heater	<b>Vibration Sensor Indicator:</b>	No Vibration Sensor
<b>Insulation Class:</b>	H	<b>Winding Thermal 1:</b>	None
		<b>Winding Thermal 2:</b>	None

<b>Nameplate NP1953B01</b>										
<b>CAT.NO.</b>	VSSEWDM3613T									
<b>SPEC.</b>	36N948T149G2									
<b>HP</b>	5									
<b>VOLTS</b>	230/460									
<b>AMP</b>	11.2/5.6									
<b>RPM</b>	3500									
<b>FRAME</b>	184TC				<b>HZ</b>	60			<b>PH</b>	3
<b>SER.F.</b>	1.15		<b>CODE</b>	L	<b>DES</b>	B		<b>CLASS</b>	H	
<b>NEMA-NOM-EFF</b>	89.5			<b>PF</b>	95					
<b>RATING</b>	40C AMB-CONT									
<b>CC</b>	010A				<b>USABLE AT 208V</b>	12				
<b>DE</b>	6206			<b>ODE</b>	6206					
<b>ENCL</b>	TEFC		<b>SN</b>							

Parts List		
Part Number	Description	Quantity
SA292852	SA 36N948T149G2	1.000 EA
RA278960	RA 36N948T149G2	1.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 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	30 X 48 X 4.5 AFX SEAL, GRAPHITE INFUSED	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	30 X 48 X 4.5 AFX SEAL, GRAPHITE INFUSED	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A14	O-RING, -010 VITON/FKM .070CS X .239ID	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
37GS3010SP	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
HA3101S42	THRUBOLT-1/4-20 X11.50 SSTDR#94334	4.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

**AC Induction Motor Performance Data**

Record # 57382 - Typical performance - not guaranteed values

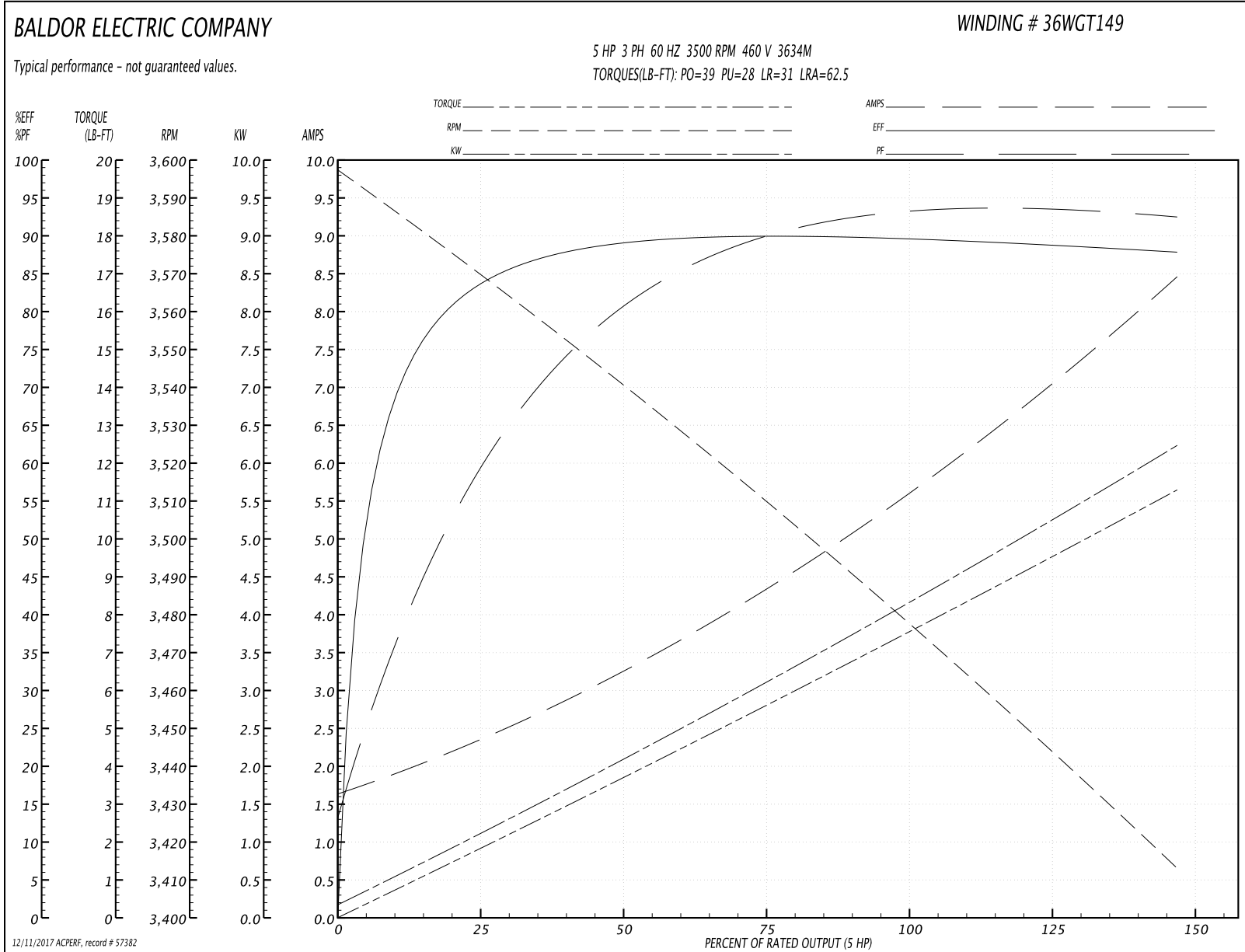
<b>Winding:</b> 36WGT149-R045	<b>Type:</b> 3634M	<b>Enclosure:</b> TEFC
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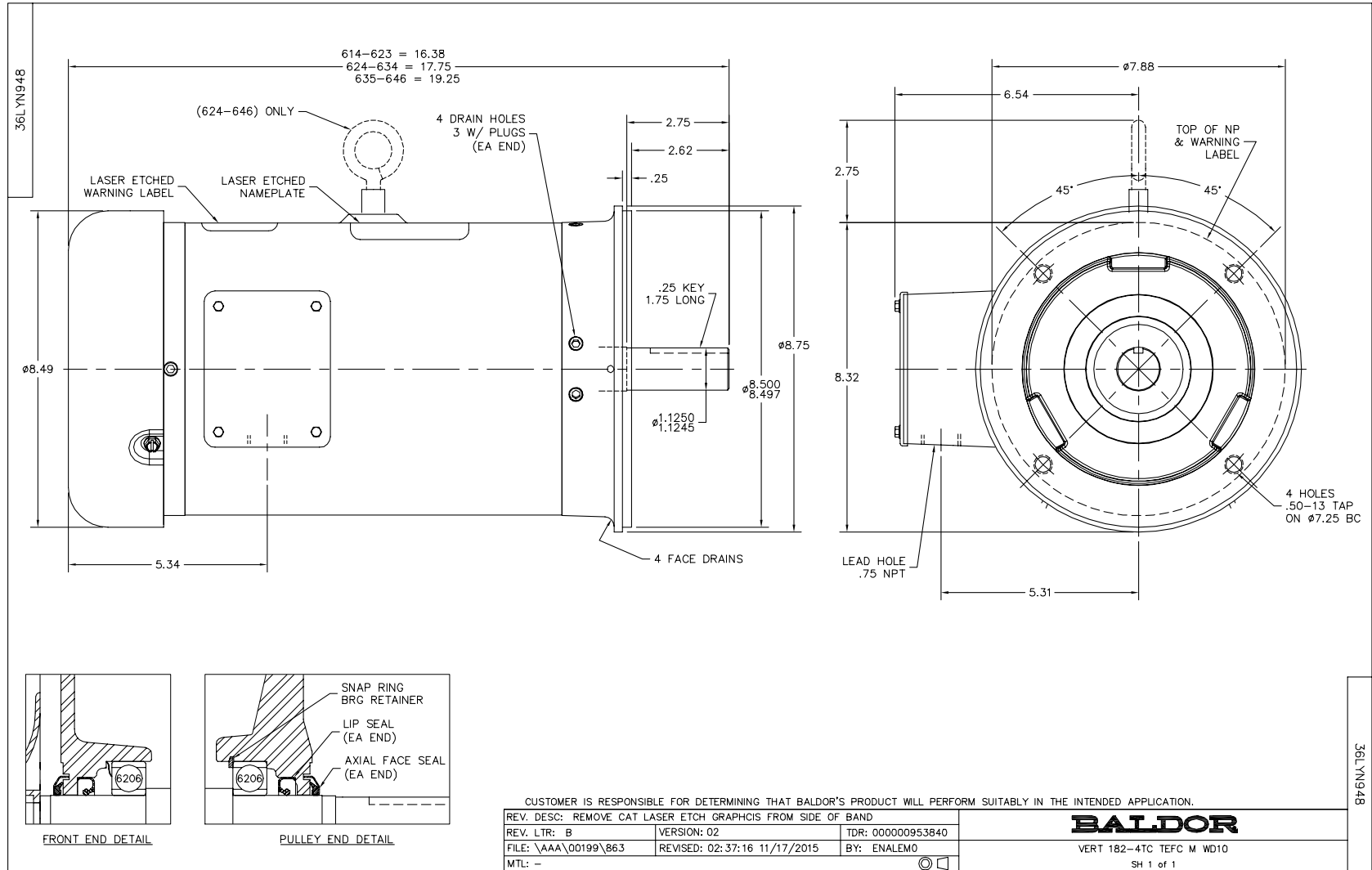
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	5			Full Load Torque	7.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	11.2/5.6			Breakdown Torque	39 LB-FT
R.P.M.	3500			Pull-up Torque	28 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	31 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	62.5 A
Service Factor (S.F.)	1.15			No-load Current	1.7 A
NEMA Nom. Eff.	89.5	Power Factor	95	Line-line Res. @ 25°C	2.09 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	86°C
S.F. Amps				Temp. Rise @ S.F. Load	102°C
				Locked-rotor Power Factor	44.4
				Rotor inertia	0.152 LB-FT <sup>2</sup>

Load Characteristics 460 V, 60 Hz, 5 HP

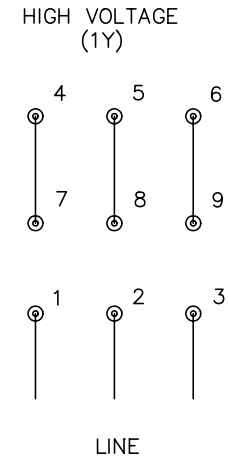
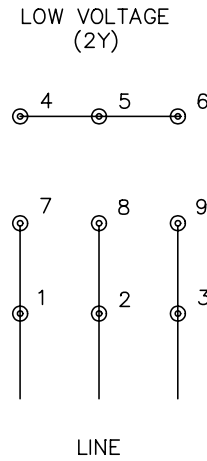
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	62	83	89	93	93	93	93
Efficiency	84.5	89	90	89.6	88.8	87.9	89.1
Speed	3567	3539	3510	3480	3447	3412	3460
Line amperes	2.3	3.2	4.4	5.6	7	8.4	6.44

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





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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
900000		FILE: AAA00005140	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

3PH, DV, 9 LEADS

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