

BALDOR® • RELIANCE

Product Information Packet

VSSWDM3538

.5HP,1765RPM,3PH,60HZ,56C,3516M,TENV,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGM303	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35V824	Layout:	35LYV824
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	11-24-2010
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	02-03-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1951A01

CAT.NO.	VSSWDM3538										
SPEC.	35V824M303G1										
HP	.5										
VOLTS	230/460										
AMP	1.8/.9										
RPM	1765										
FRAME	56C					HZ		60			
SER.F.	1.25			CODE		N	DES		B		
NEMA-NOM-EFF	84				PF		64				
RATING	40C AMB-CONT										
CC						USABLE AT 208V					1.9
DE	6205					ODE		6203			
ENCL	TENV		SN								
	SFA 2/1										

Parts List		
Part Number	Description	Quantity
SA212870	SA 35V824M303G1	1.000 EA
RA200099	RA 35V824M303G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A08	CONDUIT BOX KIT, S/P 9-2 (ALL STAINLESS)	1.000 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	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
35FE1913A01	FR ENDPLATE ASSY	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S22	10-32 X 1 3/8 SLOT HEX, STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	4.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36525 - Typical performance - not guaranteed values

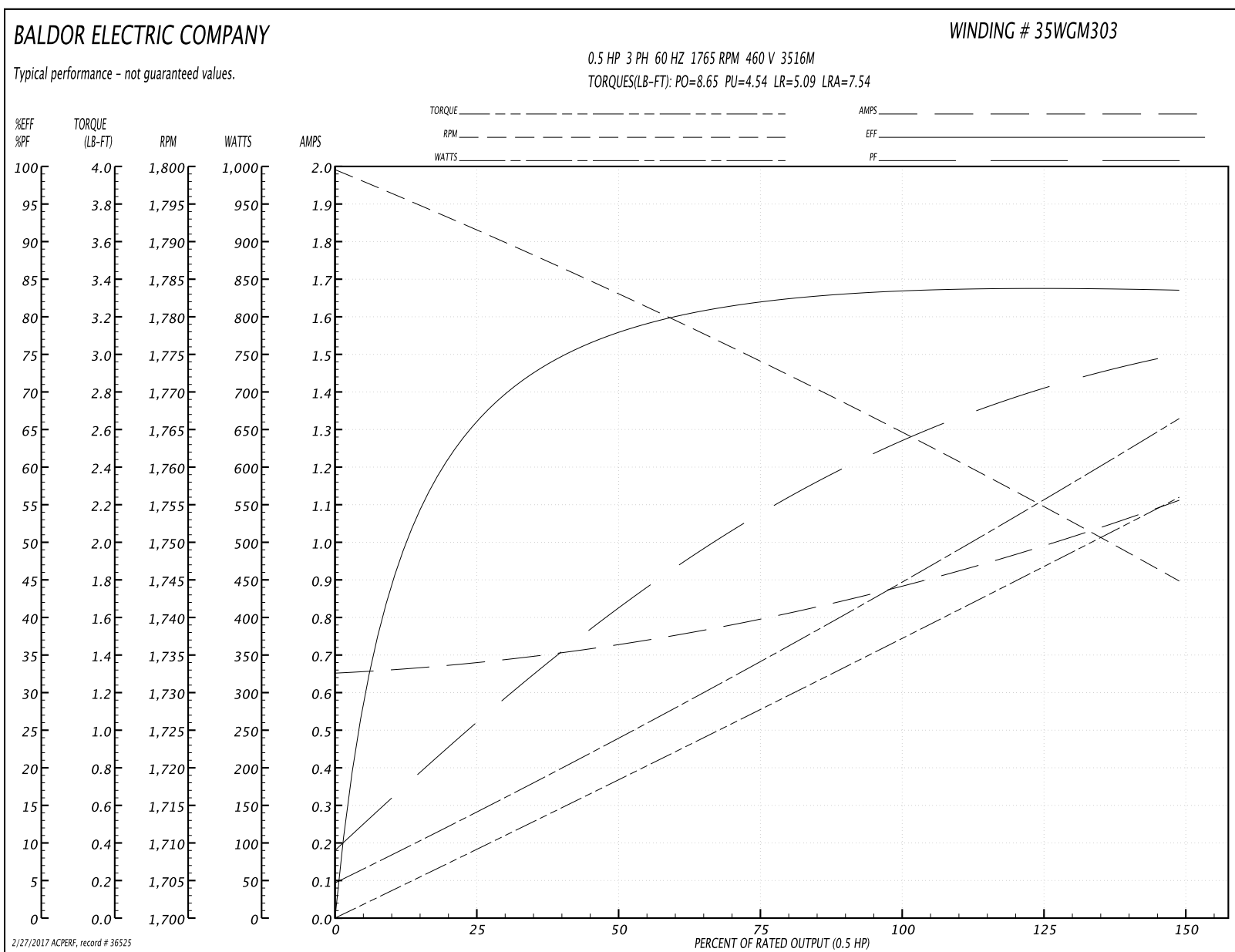
Winding: 35WGM303-R010	Type: 3516M	Enclosure: TENV
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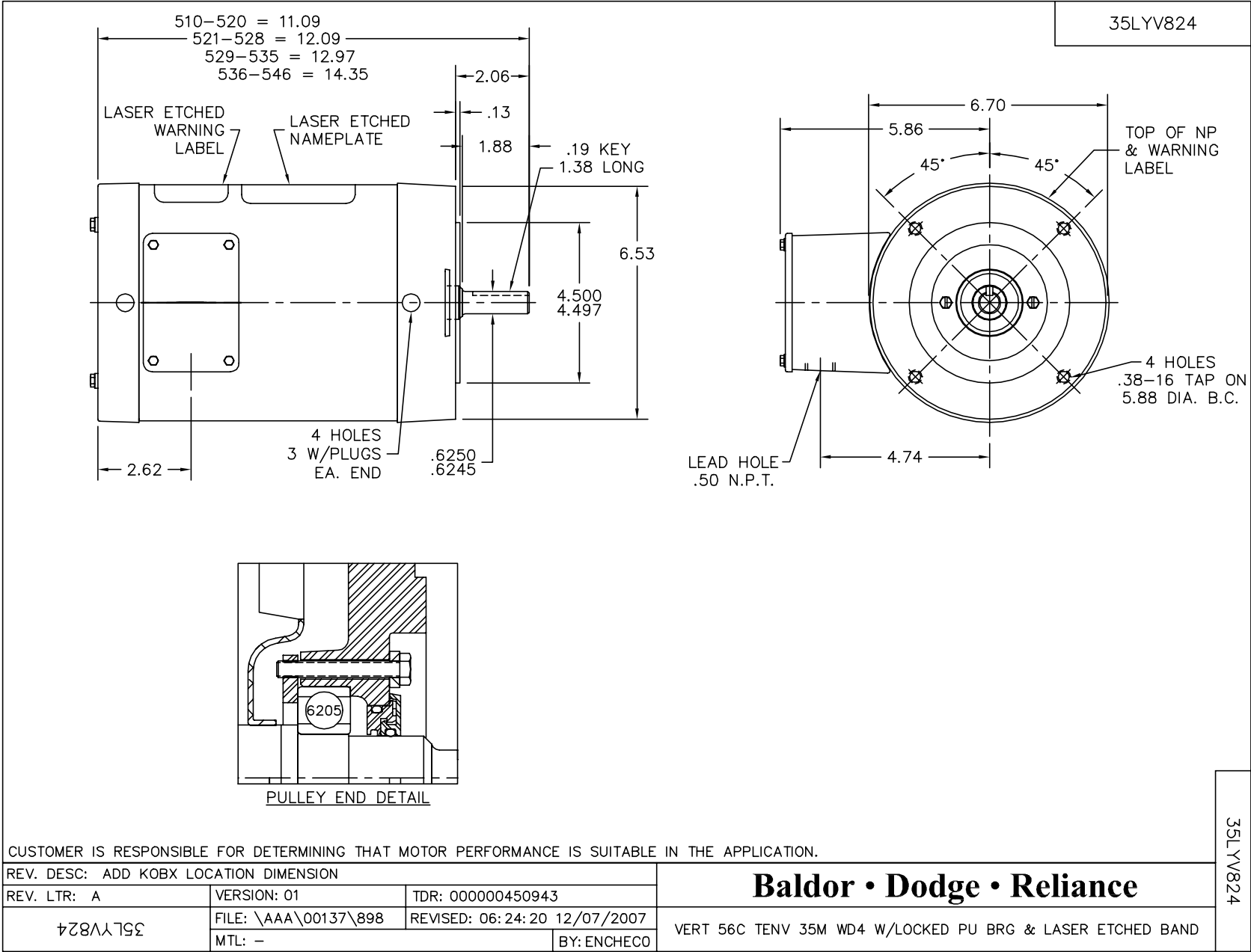
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.49 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1.8/.9			Breakdown Torque	8.65 LB-FT
R.P.M.	1765			Pull-up Torque	4.54 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.09 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	7.54 A
Service Factor (S.F.)	1.25			No-load Current	0.655 A
NEMA Nom. Eff.	84	Power Factor	64	Line-line Res. @ 25°C	25.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	54°C
S.F. Amps	2/1			Temp. Rise @ S.F. Load	61°C
				Locked-rotor Power Factor	55
				Rotor inertia	0.0946 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

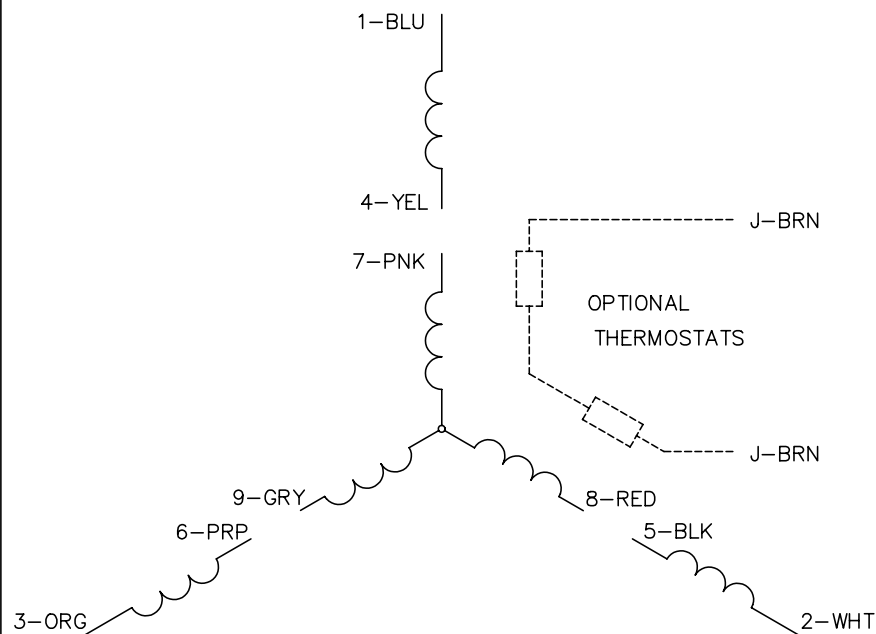
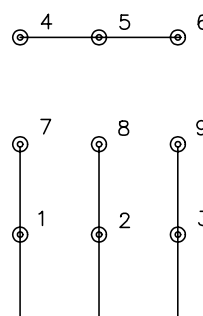
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	53	63	70	75	70
Efficiency	65	77.6	81.5	83.8	84	83.4	84
Speed	1793	1783	1774	1765	1755	1745	1755
Line amperes	0.674	0.725	0.793	0.885	0.986	1.11	0.986

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

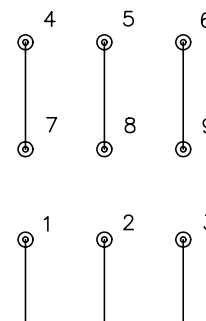




CD0005

LOW VOLTAGE
(2Y)

LINE

HIGH VOLTAGE
(1Y)

LINE

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

CD0005