

BALDOR® • RELIANCE

Product Information Packet

VSSEFWDM3546T

1HP,1760RPM,3PH,60HZ,143TC,3522M,TEFC,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3522M	Elec. Spec:	35WGW045	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35Z203	Layout:	35LYZ203
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	07-14-2016
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	02-21-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953A01

CAT.NO.	VSSEFWDM3546T										
SPEC.	35Z203W045G1										
HP	1										
VOLTS	230/460										
AMP	3/1.5										
RPM	1760										
FRAME	143TC					HZ	60				
SER.F.	1.15			CODE	M	DES	B	CLASS	H	PH	3
NEMA-NOM-EFF	85.5				PF	74					
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						
DE	6205				ODE	6205					
ENCL	TEFC		SN								

Parts List		
Part Number	Description	Quantity
SA325222	SA 35Z203W045G1	1.000 EA
RA313089	RA 35Z203W045G1	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP1917A09	FREP TEFC 205 BRG NO GRS 4X.125 NPT (SS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600E99	AXIAL FACE SEAL 76925-9042-0447 SS CASE	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
35PE1916A05	PUEP 56C ENC 205 BRG 4X.125 NPT (SS)	1.000 EA
RM1070A25	O-RING, VITON/FKM .070CS X 6.190ID	1.000 EA
HW4600E99	AXIAL FACE SEAL 76925-9042-0447 SS CASE	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
RM1070A26	O-RING,4.5MM I.D.X1.5MM C.S. (VITON)	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A39	IEC FH NO GREASER (#304 SS)CLEAN ONLY	1.000 EA
10XN1032S06	HEX HD CAP SCREW, SS	3.000 EA
36GS3008SP	WHITE NEOPREME KO BOX LID GASKET	1.000 EA
35CB4515	35 CB LID #304 STAINLESS STEEL	1.000 EA
59XN0832S07	8/32 X 7/16 HX WS HD SER X	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
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.005 QT
MJ5004A37	#76732 LOCTITE ANTISEIZE THRD COMPOUND	0.005 EA
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
WD5603A01	KIT, CLOSED-END LEAD SPLICE (18-14GA)	1.000 EA
HA3100S09	THRUBOLT 9.25 LENGTH SS	4.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
LB1561	INSTRUCTION TAG CLOSED-END SPLICE KIT AC	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 57985 - Typical performance - not guaranteed values

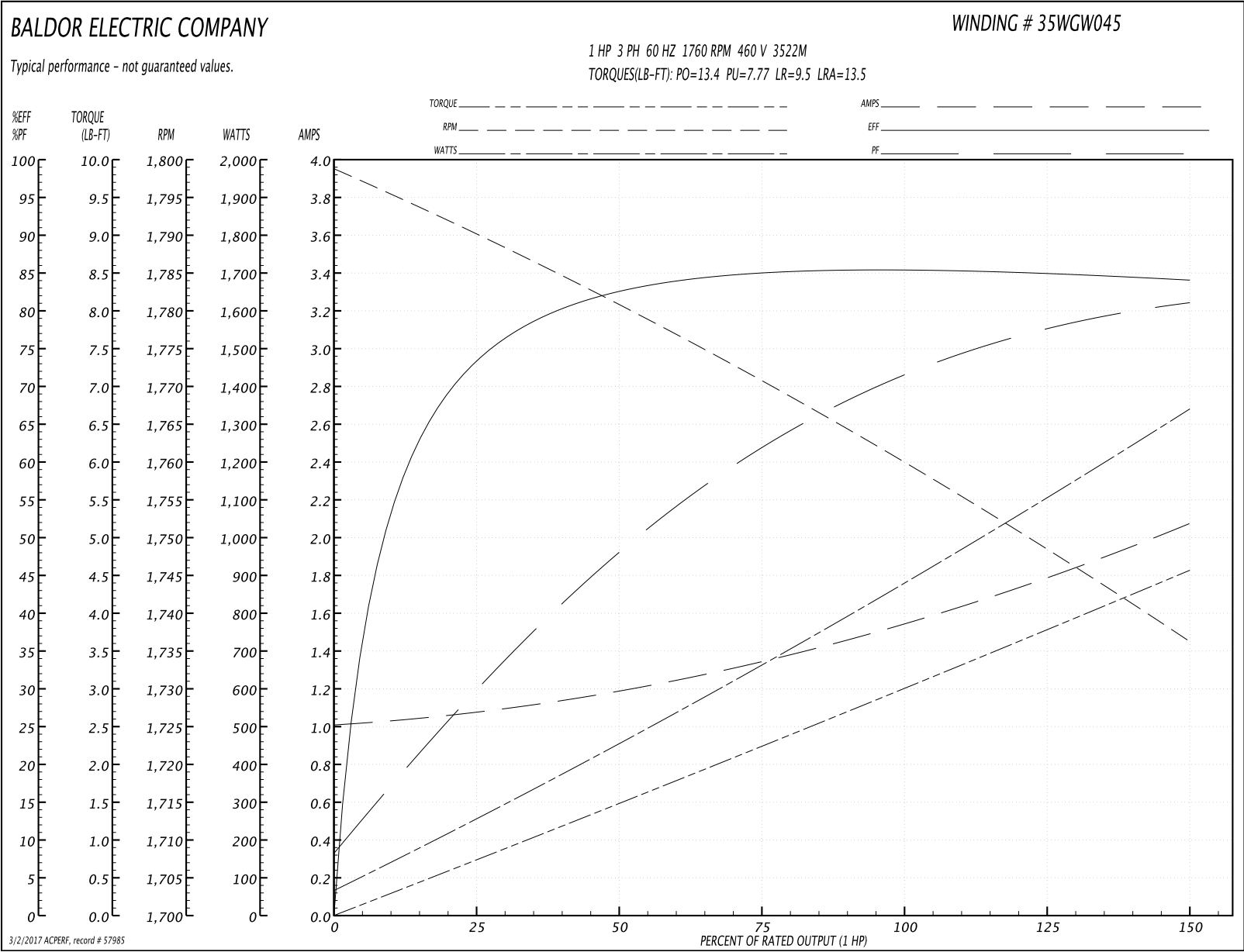
Winding: 35WGW045-R001	Type: 3522M	Enclosure: TENV
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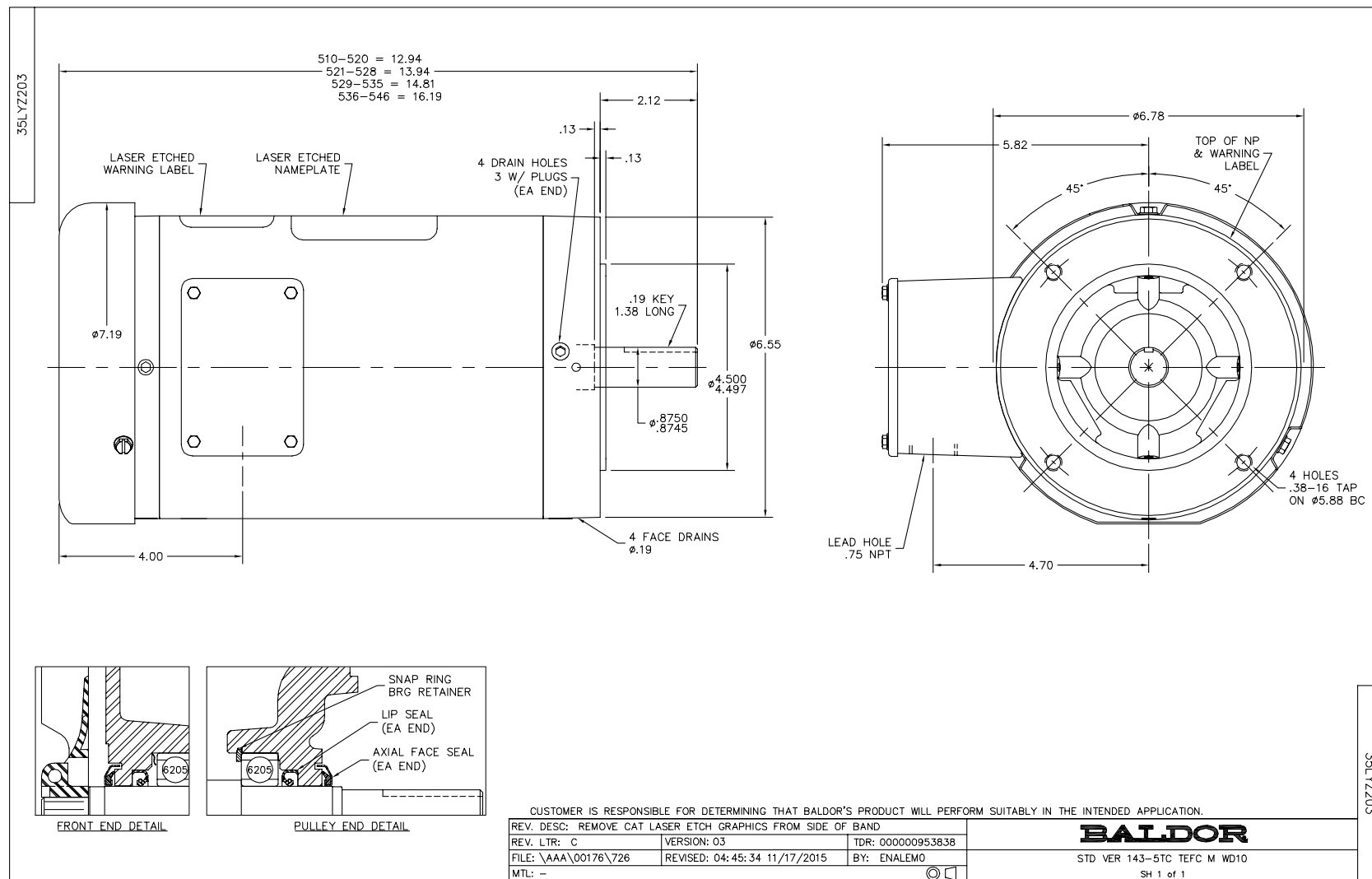
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3.007 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.1-3/1.5			Breakdown Torque	13.4 LB-FT
R.P.M.	1760			Pull-up Torque	7.77 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.5 LB-FT
NEMA Design Code	B	KVA Code	M	Starting Current	13.5 A
Service Factor (S.F.)	1.15			No-load Current	1.02 A
NEMA Nom. Eff.	85.5	Power Factor	74	Line-line Res. @ 25°C	14.736 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	78°C
S.F. Amps				Temp. Rise @ S.F. Load	91°C
				Locked-rotor Power Factor	54

Load Characteristics 460 V, 60 Hz, 1 HP

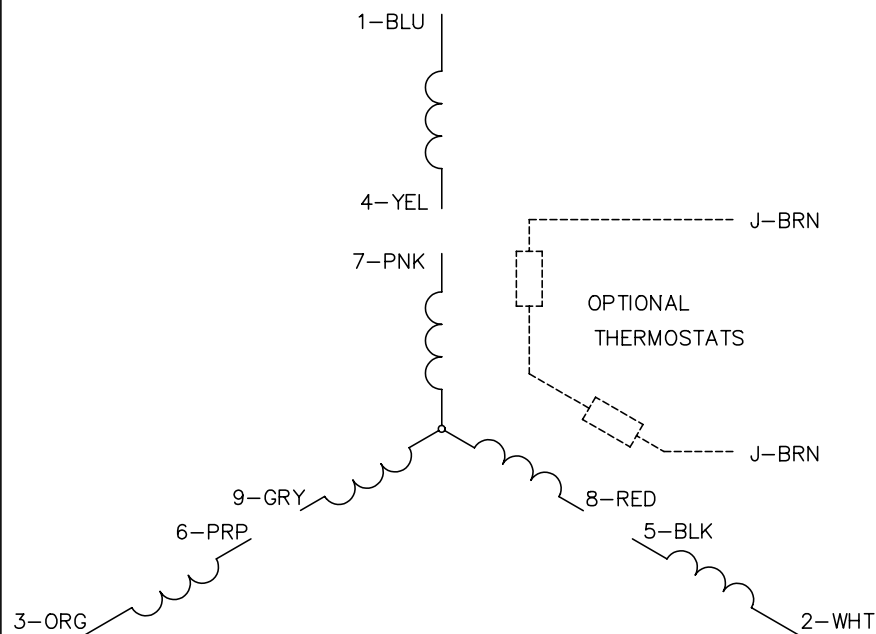
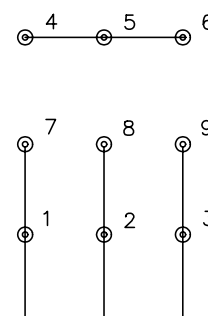
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	49	62	71	77	81	75
Efficiency	73.6	82.3	85	85.5	85.1	84	85.3
Speed	1789.9	1780.1	1770.8	1760.2	1748.7	1736	1753
Line amperes	1.06	1.19	1.35	1.55	1.79	2.07	1.69

Performance Graph at 460V, 60Hz, 1.0HP Typical performance - Not guaranteed values

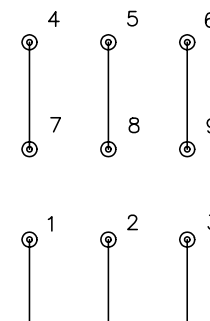




CD0005

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