

BALDOR® • RELIANCE

Product Information Packet

VSSEWDM3559T

3HP,3470RPM,3PH,60HZ,145TC,3546M,TEFC,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3546M	Elec. Spec:	35WGR930	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35Z203	Layout:	35LYZ203
Frame:	145TC	Mounting:	F1	Poles:	02	Created Date:	11-11-2015
Base:	N	Rotation:	R	Insulation:	H	Eff. Date:	02-21-2017
Leads:	9#18 Dbl Dip & Bake,0#0 Phase Insulate,0#0 15" LEAD LENGY					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953A01

CAT.NO.	VSSEWDM3559T									
SPEC.	35Z203R930G2									
HP	3									
VOLTS	230/460									
AMP	7.4/3.7									
RPM	3470									
FRAME	145TC					HZ		60		
SER.F.	1.15			CODE		P	DES		A	
NEMA-NOM-EFF	86.5			PF		91			CLASS	
RATING	40C AMB-CONT									
CC	010A			USABLE AT 208V			7.7			
DE	6205			ODE		6205				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA310396	SA 35Z203R930G2	1.000 EA
RA297782	RA 35Z203R930G2	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	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

Parts List (continued)		
Part Number	Description	Quantity
HA5027A02	HA4054 T-DRAIN X2 BAGGED WITH LABEL	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
HA3100S10	THRUBOLT 11.50LG SS	4.000 EA
36PA1001	PKG GRP, PRINT PK1017A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA
HA5027A07	85XU1208S08 FACE DRAIN PINS BAGGED	1.000 EA

AC Induction Motor Performance Data

Record # 57380 - Typical performance - not guaranteed values

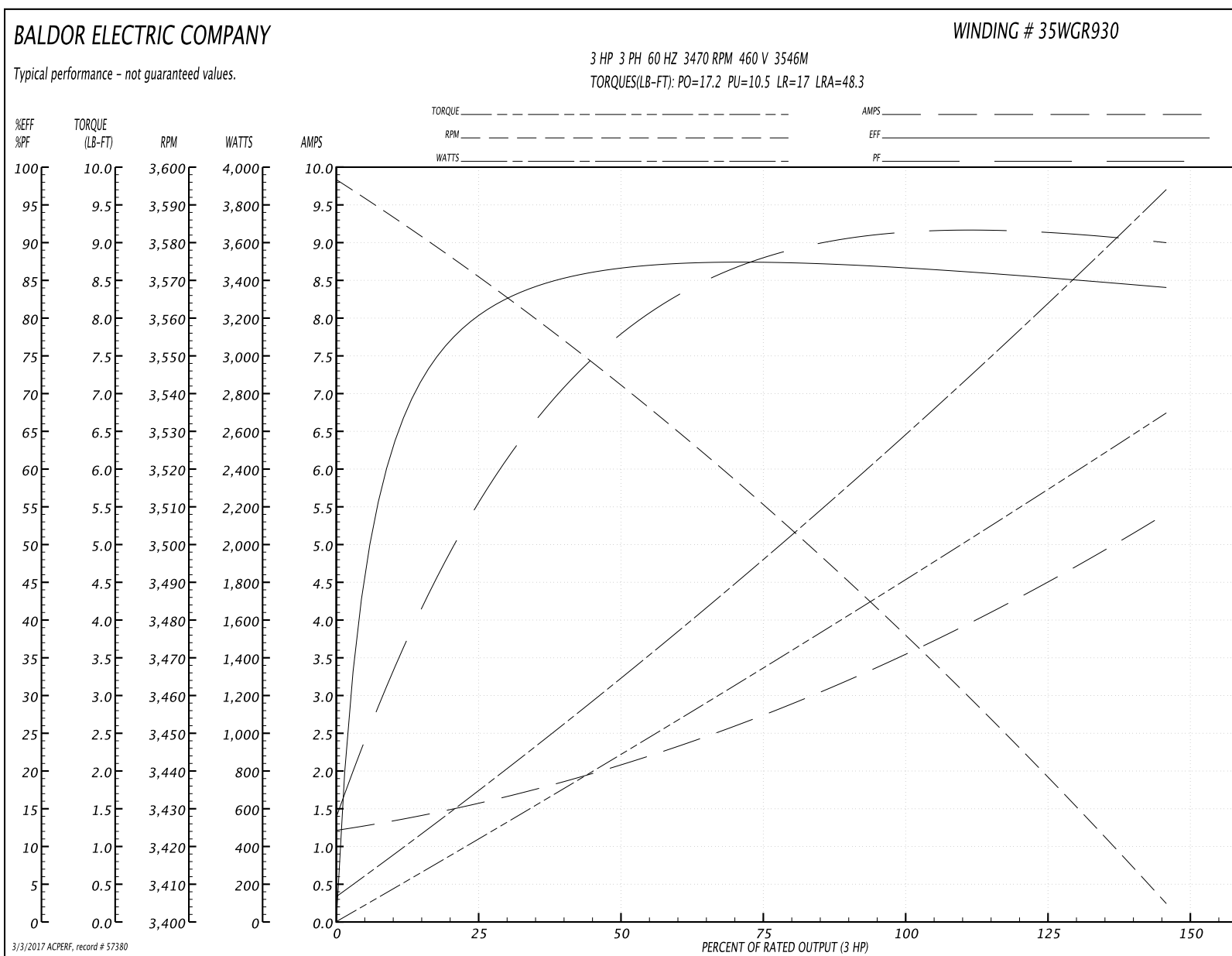
Winding: 35WGR930-R012	Type: 3546M	Enclosure: TEFC
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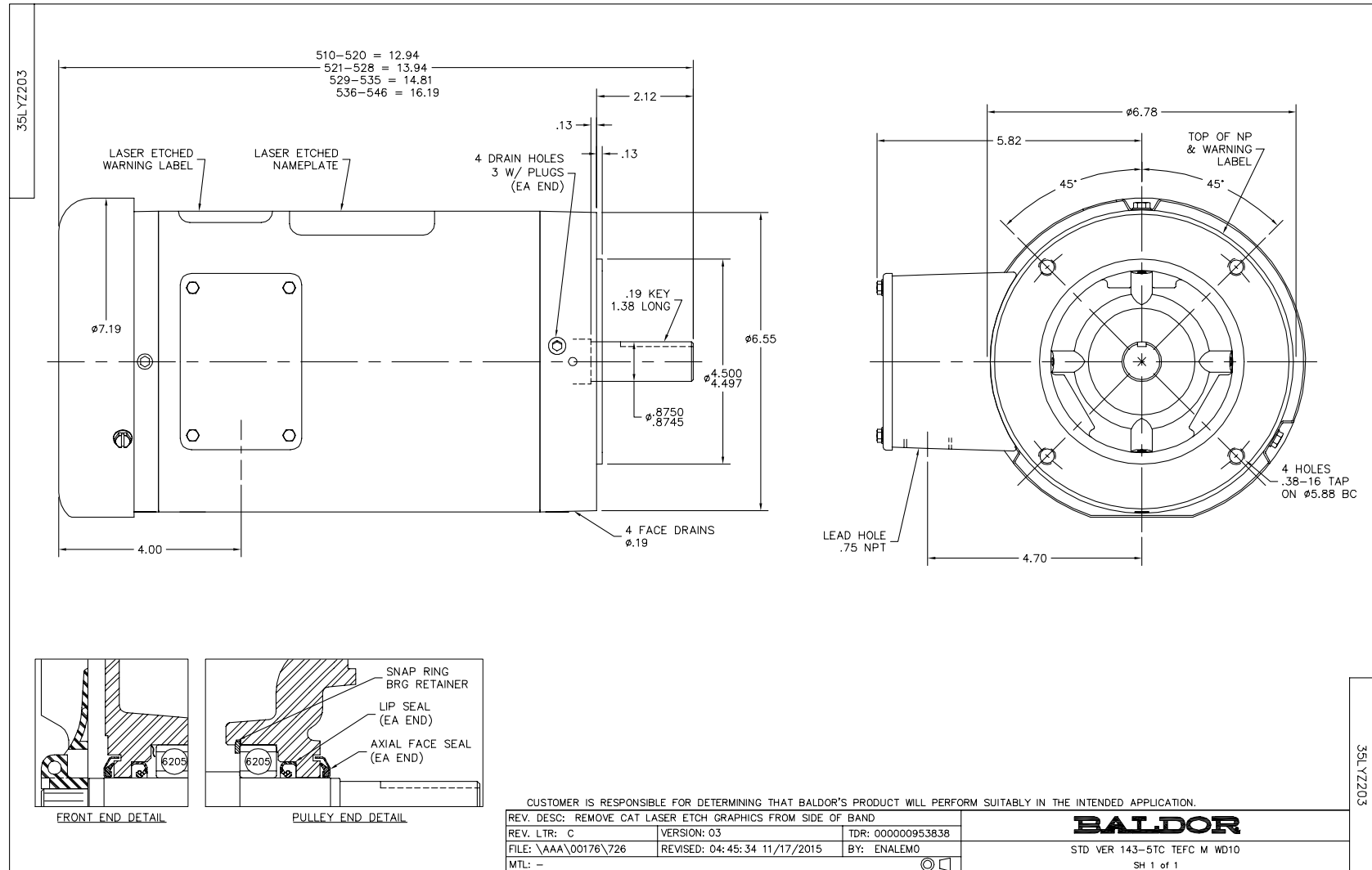
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	3			Full Load Torque	4.5 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	7.4/3.7			Breakdown Torque	17.2 LB-FT
R.P.M.	3470			Pull-up Torque	10.5 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17 LB-FT
NEMA Design Code	A	KVA Code	P	Starting Current	48.3 A
Service Factor (S.F.)	1.15			No-load Current	1.25 A
NEMA Nom. Eff.	86.5	Power Factor	91	Line-line Res. @ 25°C	3.47 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
S.F. Amps				Temp. Rise @ S.F. Load	74°C
				Locked-rotor Power Factor	42.3
				Rotor inertia	0.127 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

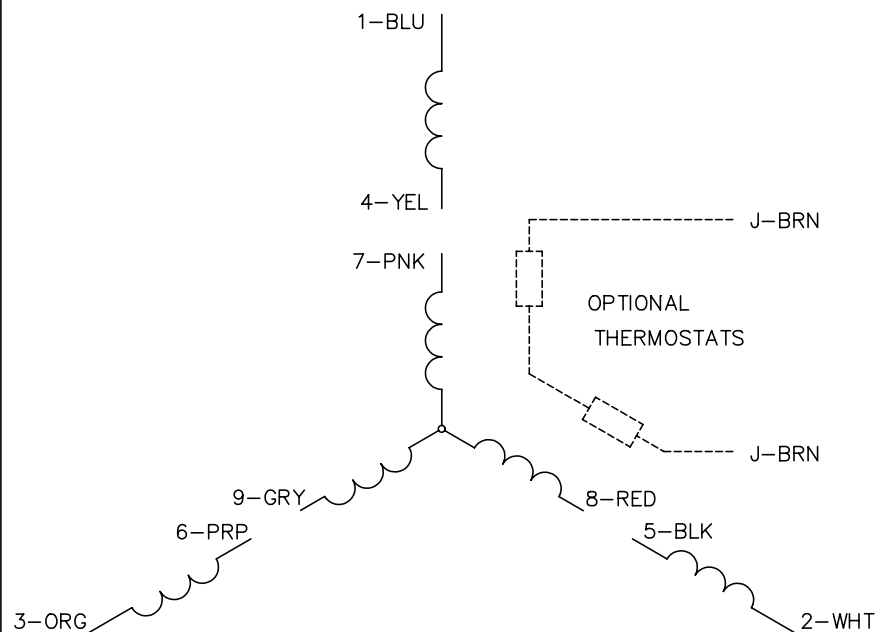
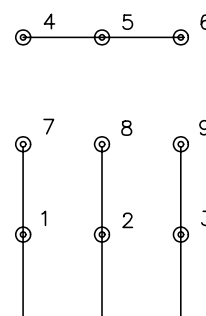
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	59	79	87	90	91	90	91
Efficiency	80.1	86.4	87.3	86.9	85.7	83.9	86.2
Speed	3567	3541	3510	3479	3443	3403	3457
Line amperes	1.53	2.07	2.78	3.55	4.42	5.4	4.07

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

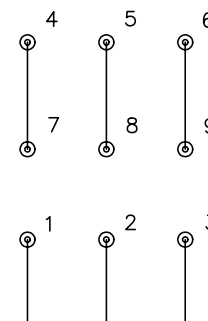




CD0005

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