

BALDOR® • RELIANCE

Product Information Packet

CESSWDM3546T

1HP,1760RPM,3PH,60HZ,143TC,3524M,TEFC,F1

Part Detail							
Revision:	S	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524M	Elec. Spec:	35WGP529	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35VV818	Layout:	35LYVV818
Frame:	143TC	Mounting:	F1	Poles:	04	Created Date:	02-22-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-06-2017
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1951A01

CAT.NO.	CESSWDM3546T									
SPEC.	35VV818P529G1									
HP	1									
VOLTS	230/460									
AMP	3/1.5									
RPM	1760									
FRAME	143TC					HZ		60		
SER.F.	1.15				CODE	N	DES		B	
NEMA-NOM-EFF	87.5				PF	70				
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					3.3
DE	6205				ODE	6203				
ENCL	TEFC		SN							

Parts List		
Part Number	Description	Quantity
SA191170	SA 35VV818P529G1	1.000 EA
RA178832	RA 35VV818P529G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB5001A17	KOBX KIT, (ALL STAINLESS) W/ .75 NPT	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
35FE1913A02	FR ENDPLATE ASSY	1.000 EA
HW4609A01	TZUJ SEAL .667 SHAFT 1.064 BORE	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE1914A02	PU EP ASSY. FOR LOCKED BRG	1.000 EA
HW4609A02	TZUJ SEAL .938 SHAFT 1.624 BORE	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
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
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
HW3001B01	BRASS CUP WASHER, FOR #8 SCREW	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
HA3100S14	THRUBOLT 10X32 X 8.875 302 OR 303 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

AC Induction Motor Performance Data

Record # 57400 - Typical performance - not guaranteed values

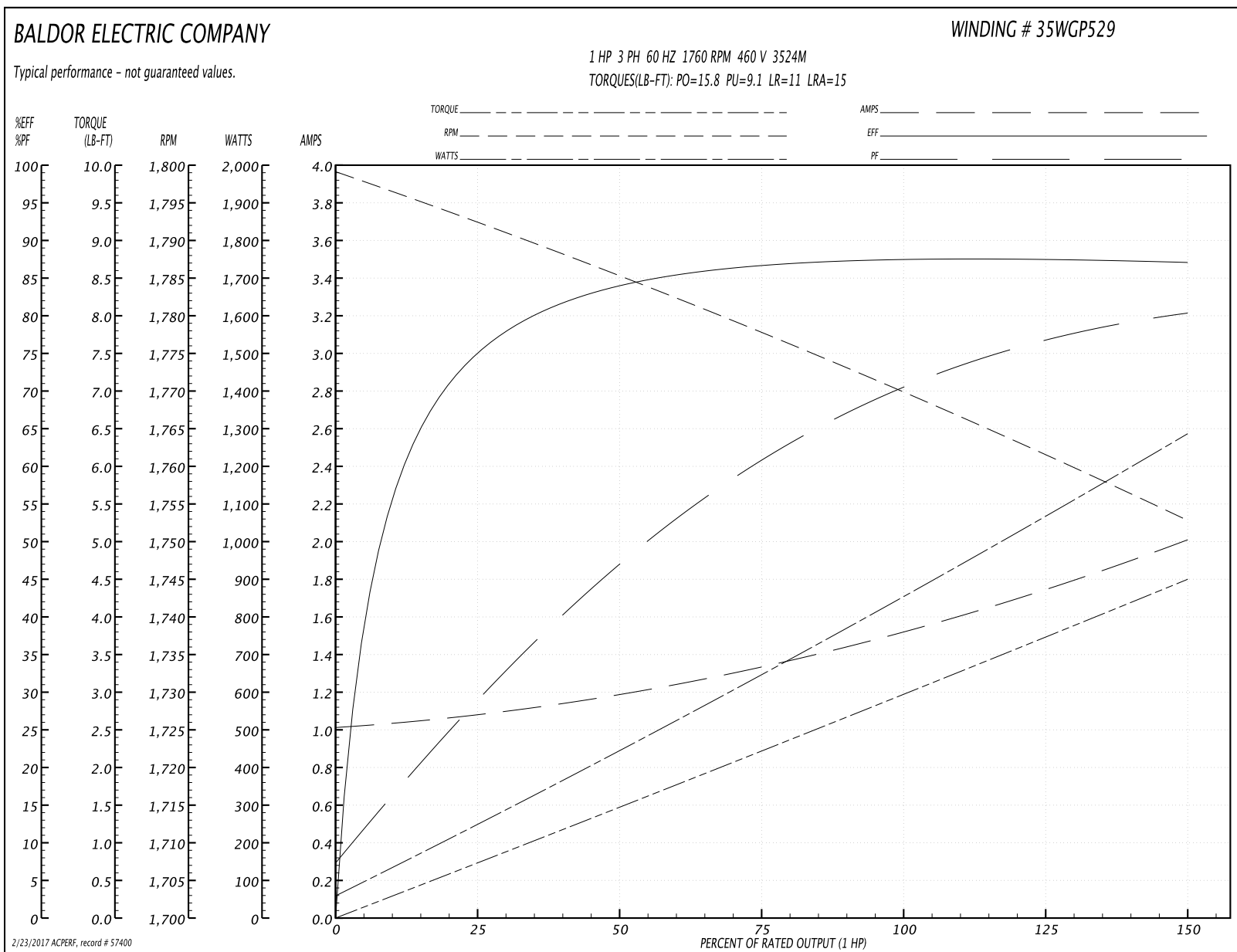
Winding: 35WGP529-R087	Type: 3524M	Enclosure: TENV
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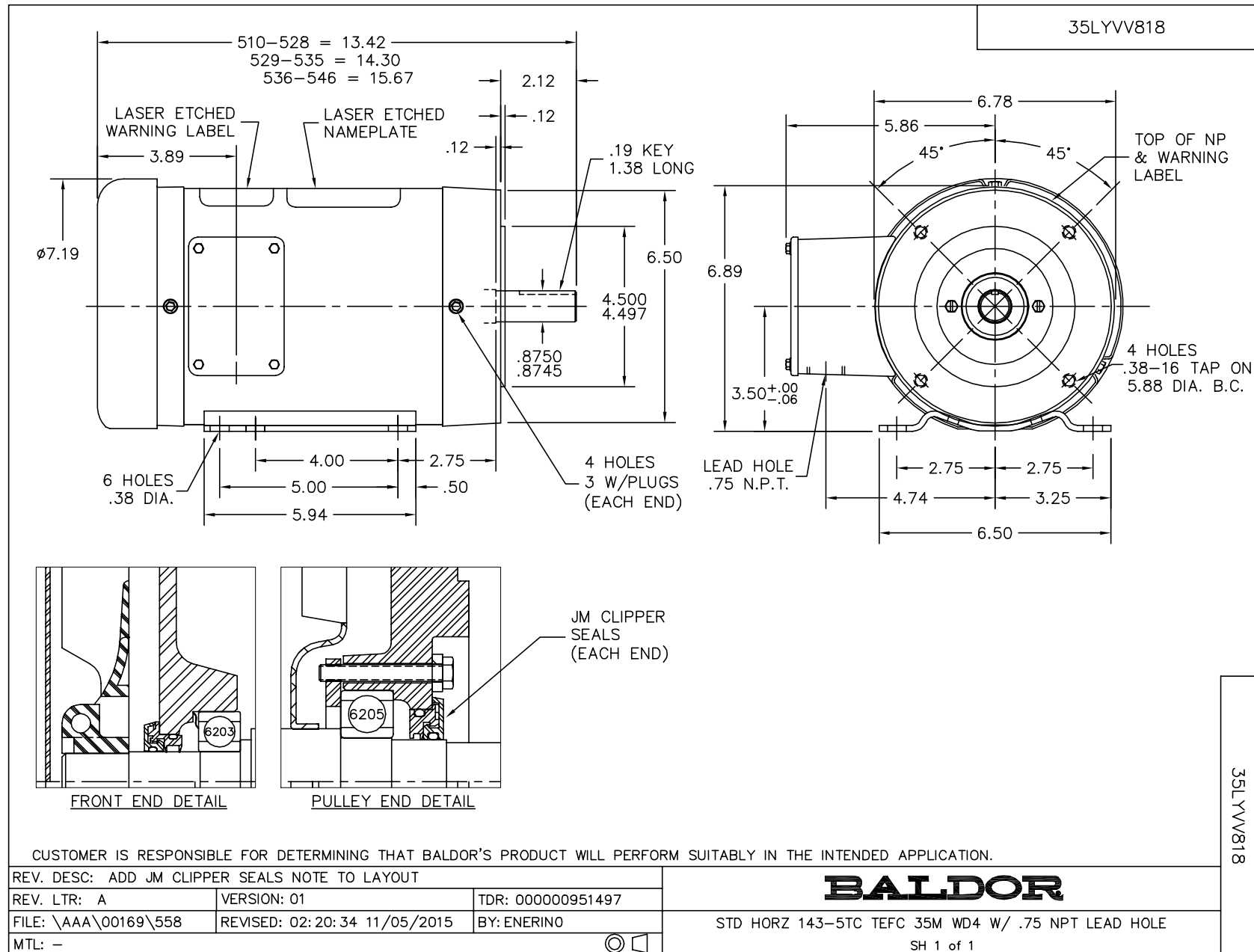
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	2.99 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	3/1.5			Breakdown Torque	15.8 LB-FT
R.P.M.	1760			Pull-up Torque	9.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	11 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	15 A
Service Factor (S.F.)	1.15			No-load Current	1.02 A
NEMA Nom. Eff.	87.5	Power Factor	70	Line-line Res. @ 25°C	11.2 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	26°C
S.F. Amps				Temp. Rise @ S.F. Load	30°C
				Locked-rotor Power Factor	48.9
				Rotor inertia	0.142 LB-FT ²

Load Characteristics 460 V, 60 Hz, 1 HP

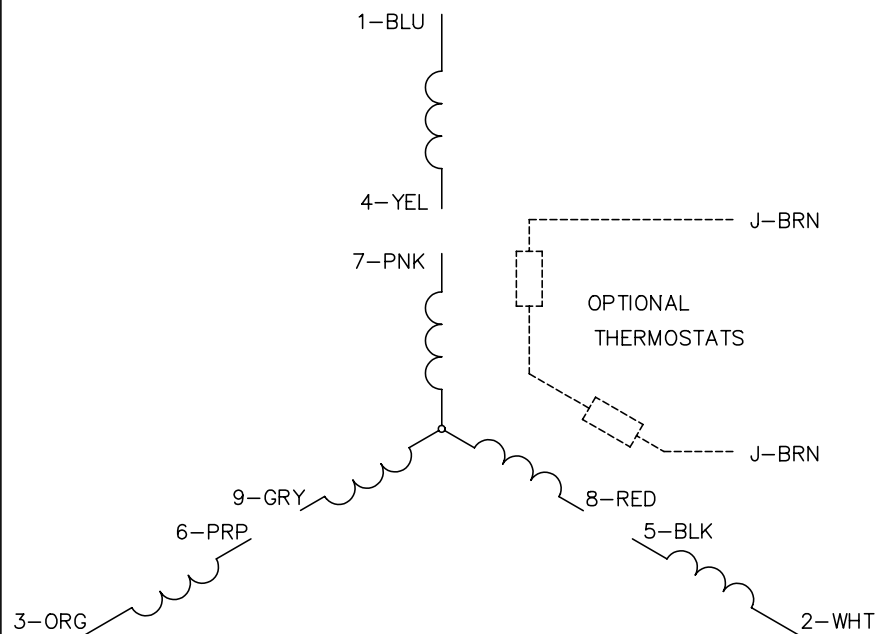
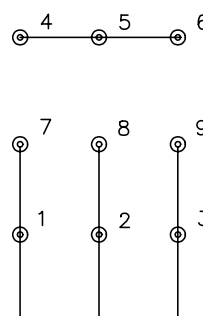
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	28	48	60	70	76	81	74
Efficiency	74.2	83.6	86.7	87.9	87.4	87.1	87.6
Speed	1793	1785	1778	1770	1761	1753	1765
Line amperes	1.07	1.18	1.33	1.53	1.76	2	1.67

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

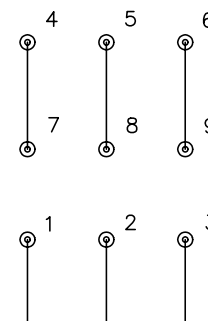




CD0005

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