

BALDOR® • ***RELIANCE***

Product Information Packet

CESSWDM3545

1HP,3450RPM,3PH,60HZ,56C,3520M,TENV,F1,N

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3520M	Elec. Spec:	35WGL314	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35V814	Layout:	35LYV814
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	05-20-2015
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	11-04-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1953A01										
CAT.NO.	CESSWDM3545									
SPEC.	35V814L314G1									
HP	1									
VOLTS	230/460									
AMP	2.8/1.4									
RPM	3450									
FRAME	56C				HZ	60			PH	3
SER.F.	1.25		CODE	N	DES	B		CLASS	F	
NEMA-NOM-EFF	82.5			PF	82					
RATING	40C AMB-CONT									
CC	010A				USABLE AT 208V					
DE	6205			ODE	6203					
ENCL	TENV		SN							
	SFA 3.2/1.6									

Parts List		
Part Number	Description	Quantity
SA300996	SA 35V814L314G1	1.000 EA
RA288066	RA 35V814L314G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB1004A01	15 CB W/.50 NPT @ 6 & #8-32 LID HOLES (S	1.000 EA
35GS1041	35 MOLDED GASKET W/LIP, 1.12 LEAD HOLE,	1.000 EA
51XN1032A07	10-32 X 0.438 HX WS SL SR ZN	2.000 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
35EP1913A01	FRONT TENV 203 BRG NO GR SR S/P 9-2 (STAI	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP1914A02	PU EP FOR LOCKED 6205 BRG	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 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
35CB4515	35 CB LID #304 STAINLESS STEEL	1.000 EA
36GS3008SP	WHITE NEOPREME KO BOX LID GASKET	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
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
HA3100S45	THRU BOLT HEX-HEAD 7.95 10-32	4.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

AC Induction Motor Performance Data

Record # 51814 - Typical performance - not guaranteed values

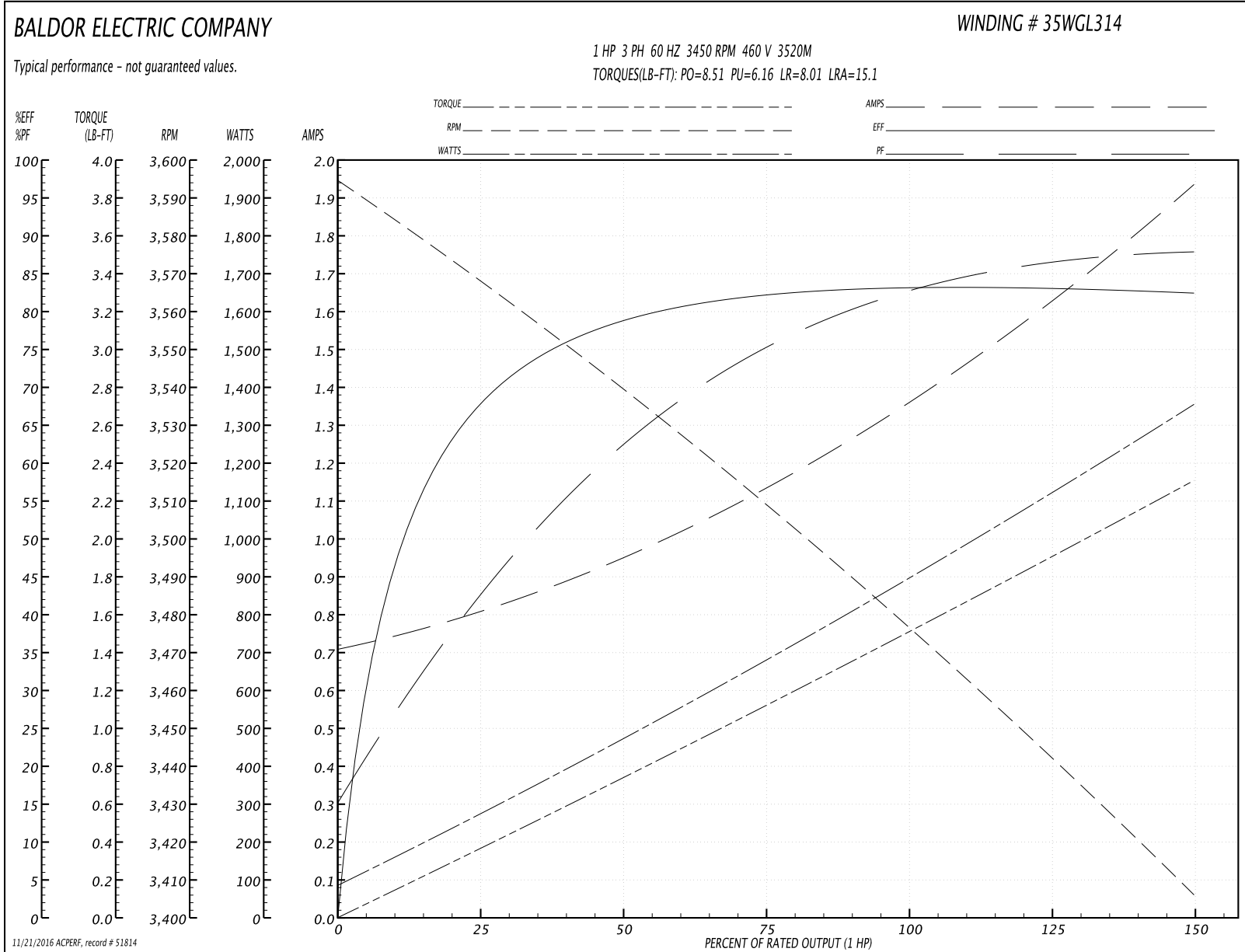
Winding: 35WGL314-R001	Type: 3520M	Enclosure: TENV
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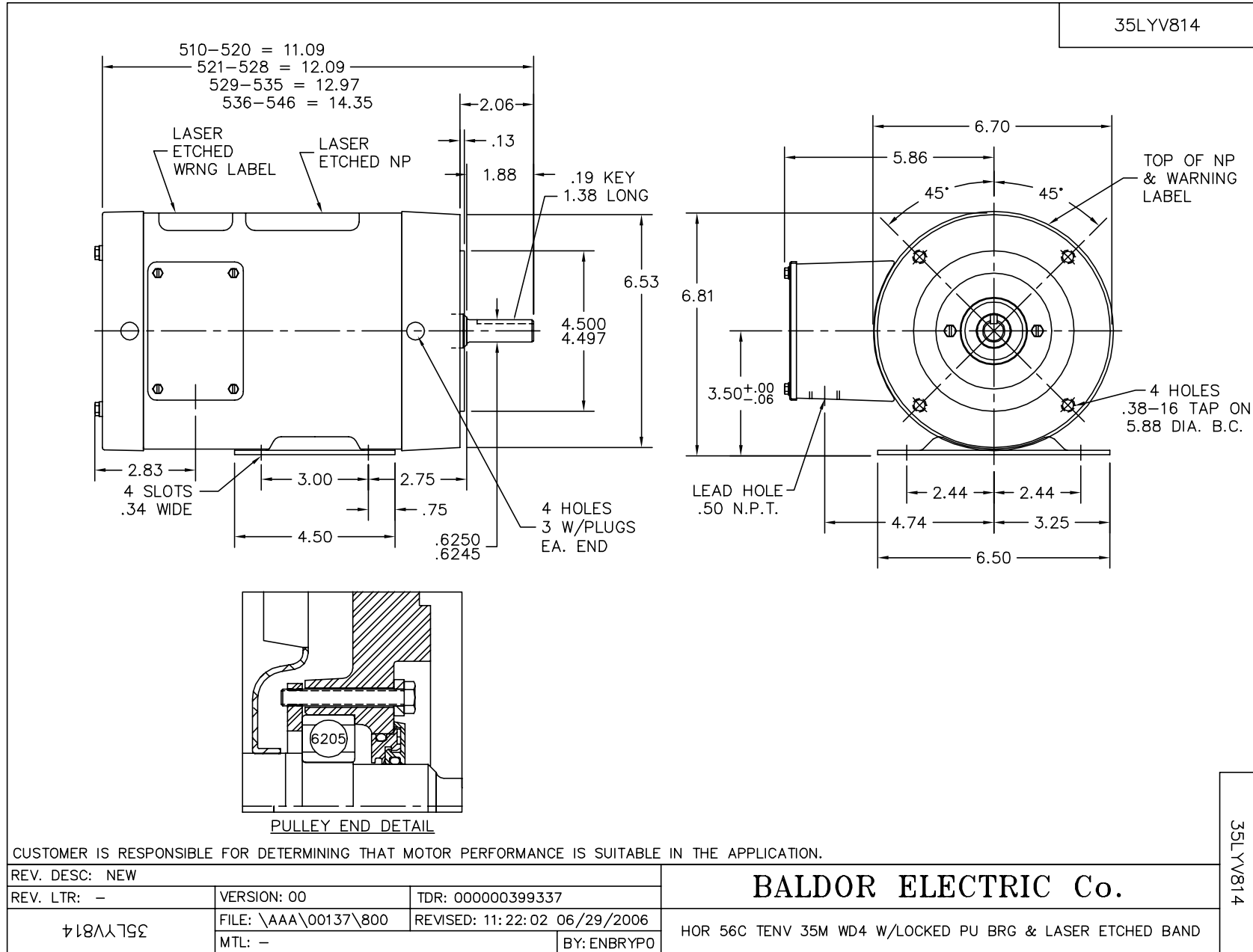
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	1.52 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	2.8/1.4			Breakdown Torque	8.51 LB-FT
R.P.M.	3450			Pull-up Torque	6.16 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.01 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	15.1 A
Service Factor (S.F.)	1.25			No-load Current	0.722 A
NEMA Nom. Eff.	82.5	Power Factor	82	Line-line Res. @ 25°C	10.85 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	91°C
S.F. Amps	3.2/1.6			Temp. Rise @ S.F. Load	108°C

Load Characteristics 460 V, 60 Hz, 1 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	44	64	76	82	86	88	86
Efficiency	67.8	79	82.4	83.4	83.4	82.5	84.5
Speed	3566.5	3536.9	3507.4	3477.1	3442.7	3405	3439
Line amperes	0.791	0.953	1.15	1.38	1.63	1.93	1.585

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
90000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005