

BALDOR® • RELIANCE

Product Information Packet

VL1318A

1HP,1725RPM,1PH,60HZ,56C,3528L,OPEN,F1,N

Part Detail							
Revision:	AH	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528L	Elec. Spec:	35WG0527	CD Diagram:	CD0052
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35E523	Layout:	35LYE523
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	
Base:	N	Rotation:	ROS	Insulation:	B	Eff. Date:	01-05-2016
Leads:	6#18,1#14 #1TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L

CAT.NO.	VL1318A														
SPEC.	35E523-527														
HP	1														
VOLTS	115/230														
AMP	12.4/6.2														
RPM	1725														
FRAME	56C				HZ				60		PH		1		
SER.F.	1.00			CODE		K		DES		L		CL		B	
NEMA-NOM-EFF	67			PF		68									
RATING	40C AMB-CONT														
CC															
	USABLE AT 208V														
DE	6205				ODE		6203								
ENCL	OPEN			SN											

Parts List		
Part Number	Description	Quantity
SA024313	SA 35E523-527	1.000 EA
RA020363	RA 35E523-527	1.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
35EP3202A09	FR ENDPLATE, MACH	1.000 EA
SP1033A01	INSULATOR MODEL 35 TERM PANEL	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3400A13	STD FACE MTD END PLATE OPEN NEMA 56C 05	1.000 EA
35AD2000	AIR BAFFLE	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
35FH4500A02	DRIP COVER, STAMPED (W/ PRIMER	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

Parts List (continued)		
Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X	1.000 EA
SP5066A01	MODEL 35 TERMINAL PANEL SWITCH WITH LEAD	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0052	CONNECTION LABEL	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA

AC Induction Motor Performance Data

Record # 8082 - Typical performance - not guaranteed values

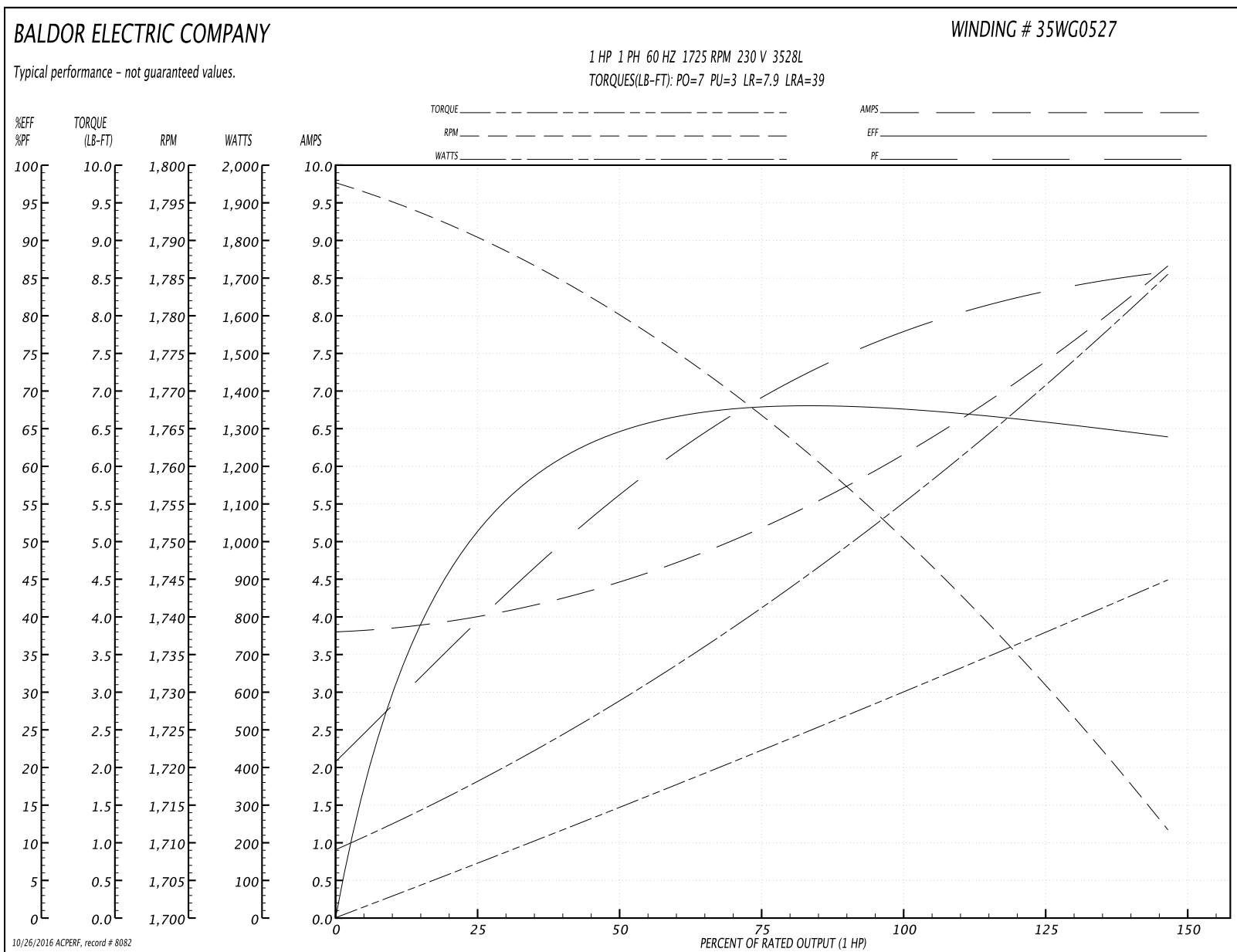
Winding: 35WG0527-R001	Type: 3528L	Enclosure: TEFC
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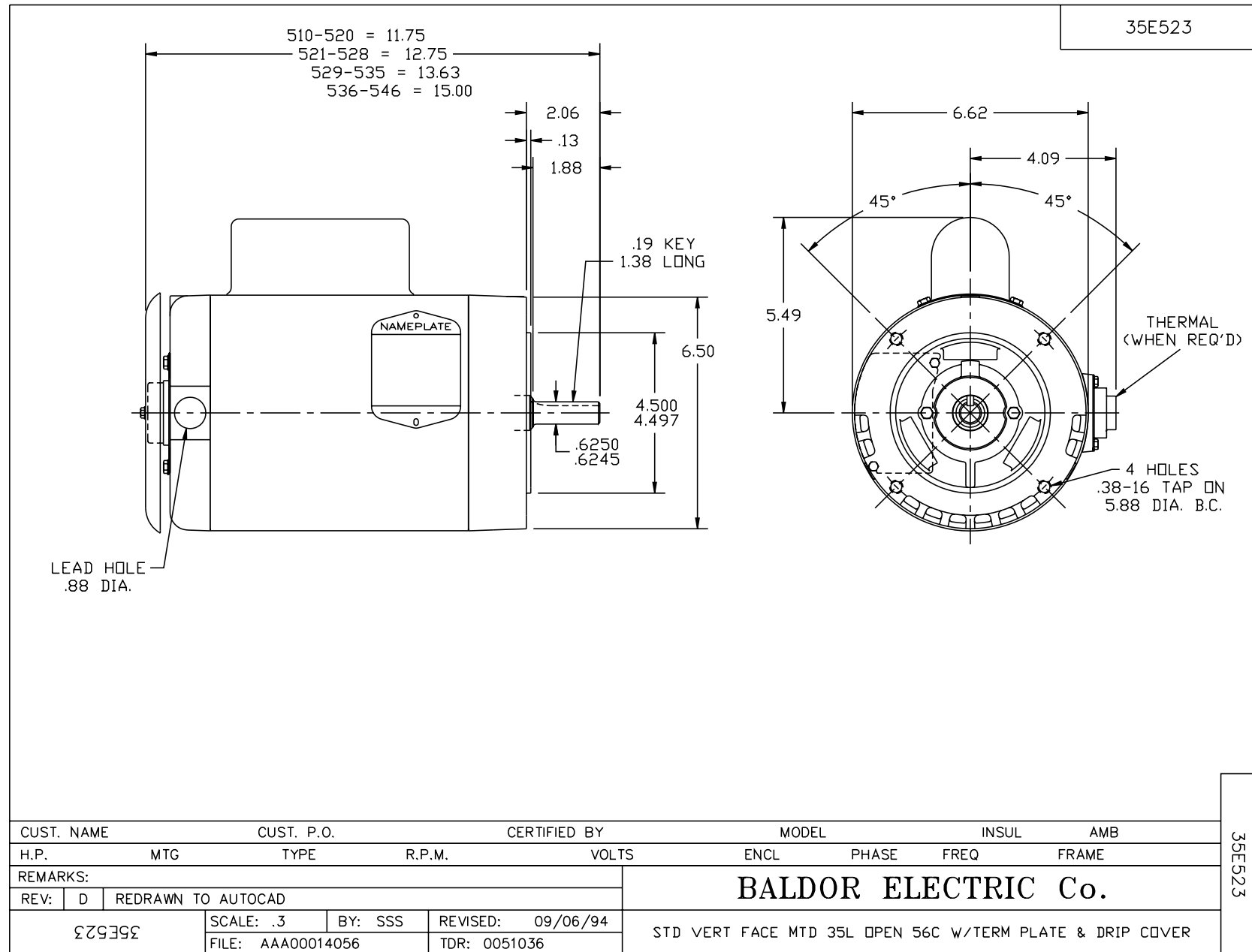
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	12.4/6.2			Breakdown Torque	7 LB-FT
R.P.M.	1725			Pull-up Torque	3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	7.9 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	39 A
Service Factor (S.F.)	1			No-load Current	3.8 A
NEMA Nom. Eff.	67	Power Factor	68	Line-line Res. @ 25°C	2.73 Ω A Ph 1.76 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	42°C

Load Characteristics 230 V, 60 Hz, 1 HP

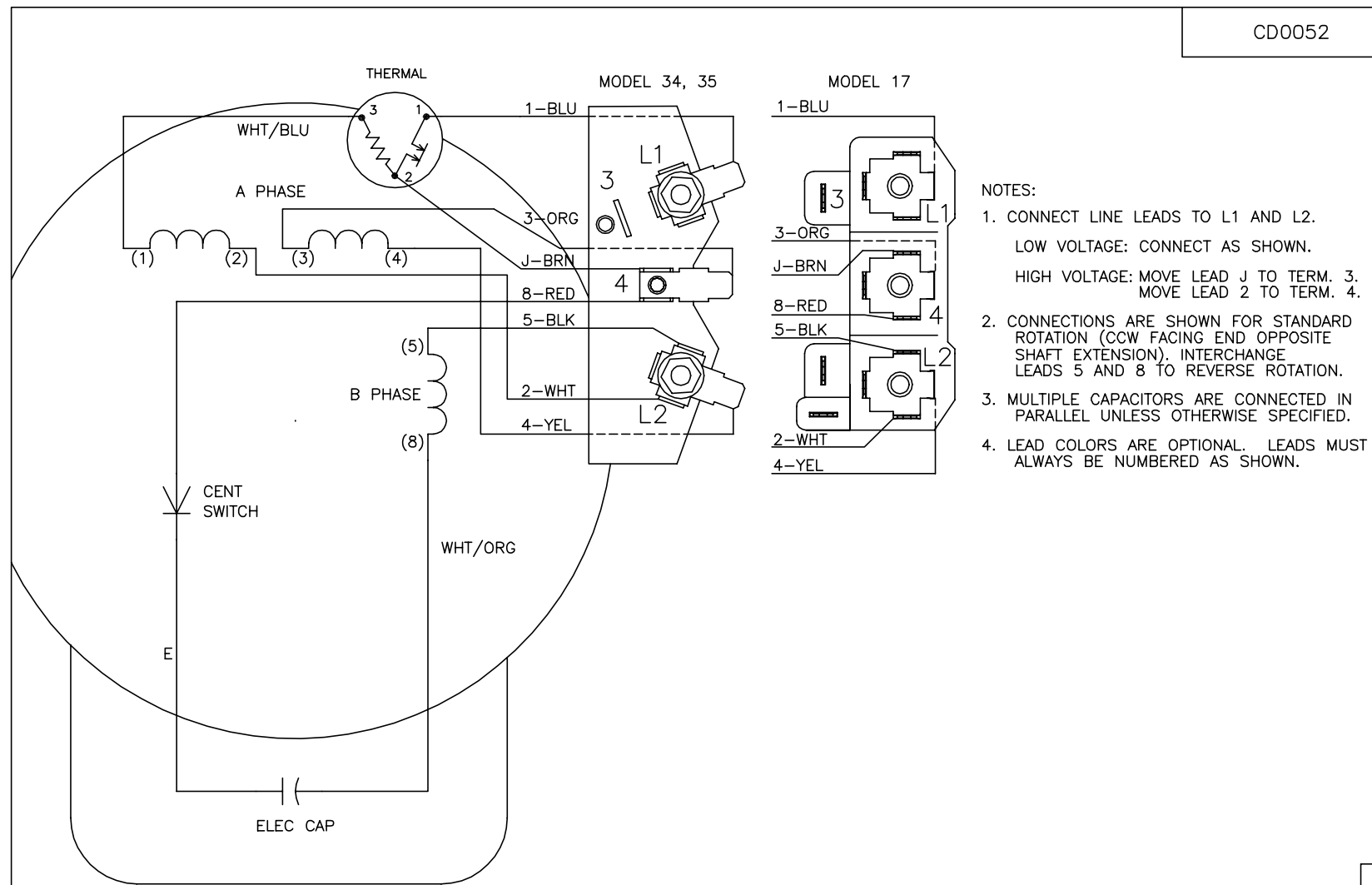
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	40	57	70	77	83	86	81
Efficiency	51	64.5	67	68.5	66.5	63.5	67.5
Speed	1790	1780	1765	1750	1735	1710	1742
Line amperes	4	4.5	5.2	6.2	7.25	8.7	6.8

Performance Graph at 230V, 60Hz, 1.0HP Typical performance - Not guaranteed values





CD0052



REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: H	VERSION: 01	TDR: 000000373039
ZS0000	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, TERMINAL PLATE

CD0052