

BALDOR® • RELIANCE

Product Information Packet

VFDL3510M

1HP,1725RPM,1PH,60HZ,56C,3524L,TEFC,F1,N

Part Detail							
Revision:	B	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3524L	Elec. Spec:	35WGS245	CD Diagram:	CD0269
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E2335	Layout:	35LYE2335
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	12-09-2013
Base:	N	Rotation:	R	Insulation:	B	Eff. Date:	01-15-2014
Leads:	4#16 A&J,2#18 B PH,1#14 #4TH					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1280L									
CAT.NO.	VFDL3510M								
SPEC.	35E2335S245G1								
HP	1								
VOLTS	115/230								
AMP	13/6.5								
RPM	1725								
FRAME	56C	HZ			60	PH	1		
SER.F.	1.15	CODE			K	DES	L	CL	B
NEMA-NOM-EFF	67	PF			73				
RATING	40C AMB-CONT								
CC		USABLE AT 208V			6.8				
DE	6205	ODE			6203				
ENCL	TEFC	SN							

Parts List		
Part Number	Description	Quantity
SA273725	SA 35E2335S245G1	1.000 EA
RA260317	RA 35E2335S245G1	1.000 EA
TPMRD4797SP	THERMAL 1PH 0.75 MAN REF MRD4749 T	1.000 EA
EC1645A06SP	ELEC CAP, 645-774 MFD, 125V, 2.06D X 4.	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007A59	35 CB .88 DIA @ 6:00, .75 MTO W/BOOT @ 3	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HA6001A01	THERMAL RETAINER (PLATED)	1.000 EA
NS2500A02	INSULATOR, MAN THER PROT	1.000 EA
RM1014A01SP	BUTYL RUB.THRM COV. (MENA)	1.000 EA
51XB1214A10	12-14 X 5/8HX WS SL SR TYBX	2.000 EA
35CB4802A02SP	CAPACITOR COVER, STAMPED X W/AUTOPHORET	1.000 EA
35GS3001A02	GASKET, CA.COVER, 5.38 LONG .06 CS301	1.000 EA
35EP3100M02	FREP TEFC 203 BRG W/O GRSR (RAISED FH MT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
NS2501A01	INSULATOR, CAPACITOR	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A32	SPL FACE MTD EP ENCL 35 205 BRG NO GREAS	1.000 EA
HW4600B49SP	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
HW4600B46SP	SEAL 0.875 X 1.420 X 0.240 FACE SEALING	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA

Parts List (continued)		
Part Number	Description	Quantity
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A32SP	IEC FH NO GR SR W/3 HOLES - W/AUTOPHERETI	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13SP	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
LB1087	LABEL,MANUAL RESET (ROLL LABEL)	1.000 EA
MJ5001A27	32220KN GRAY SEALER	0.001 QT
WD1000A15	3-520132-2 AMP FLAG (4M/RL NON-CANC/NON-	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A05SP	EXFN, PLASTIC, 6.376 OD, .638 ID	1.000 EA
MG1025C02	RAL6081, LIGHT SUPER TAN, GLOSS 85,	0.017 GA
MG1025Z20	ACTIVATOR WILKOFAS T 060.32	0.010 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
TP5059	GENERIC THERMAL KIT	1.000 EA
SP5055A67	MODEL 35 TYPE L STATIONARY SWITCH	1.000 EA
LC0269	1PH,DV,REV,THERMAL,7 LD,L.AMP THRU HTR H	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
NP1280L	ALUM FARM DUTY UL CSA CC THERMAL	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

AC Induction Motor Performance Data

Record # 20977 - Typical performance - not guaranteed values

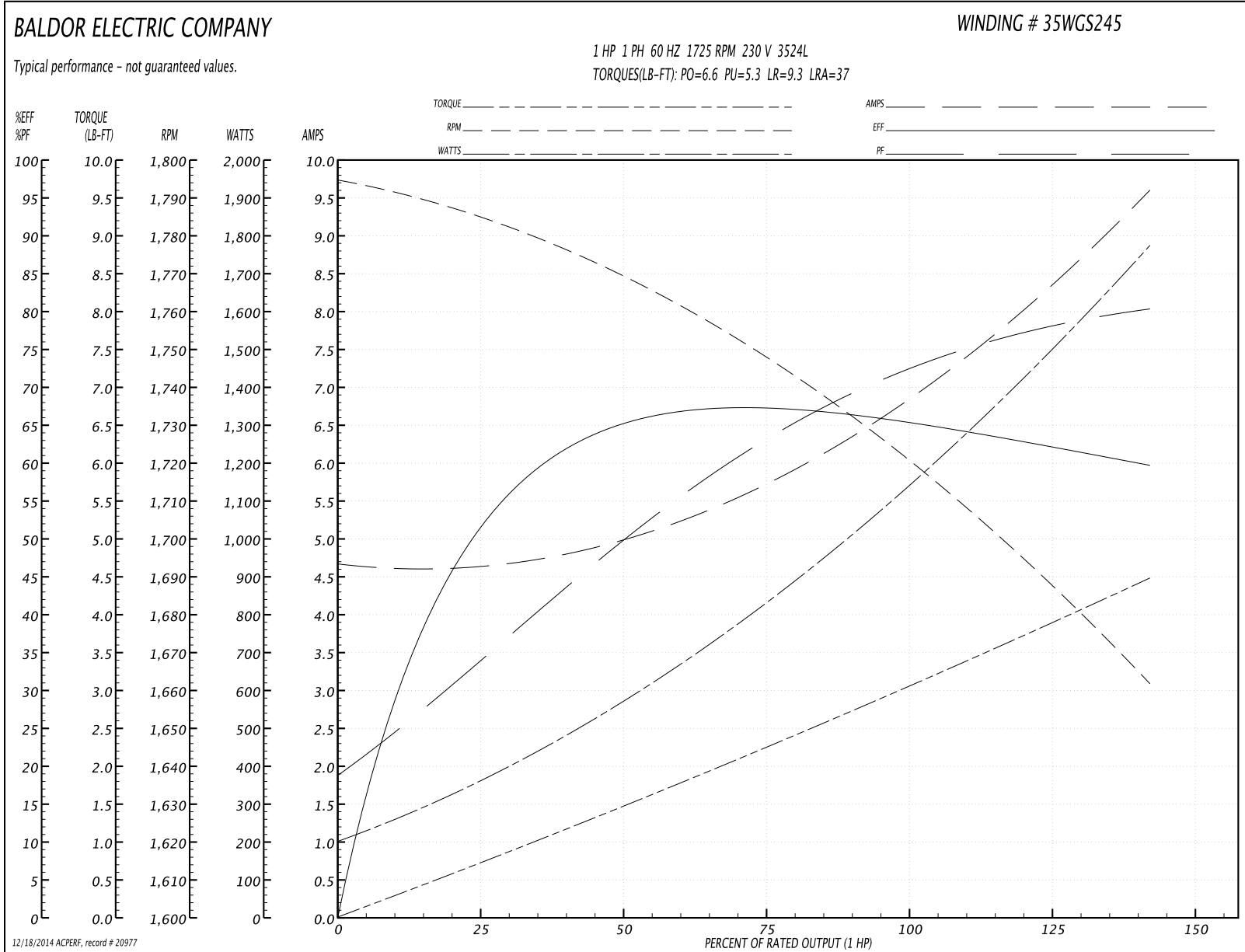
Winding: 35WGS245-R001	Type: 3524L	Enclosure: TEFC
-------------------------------	--------------------	------------------------

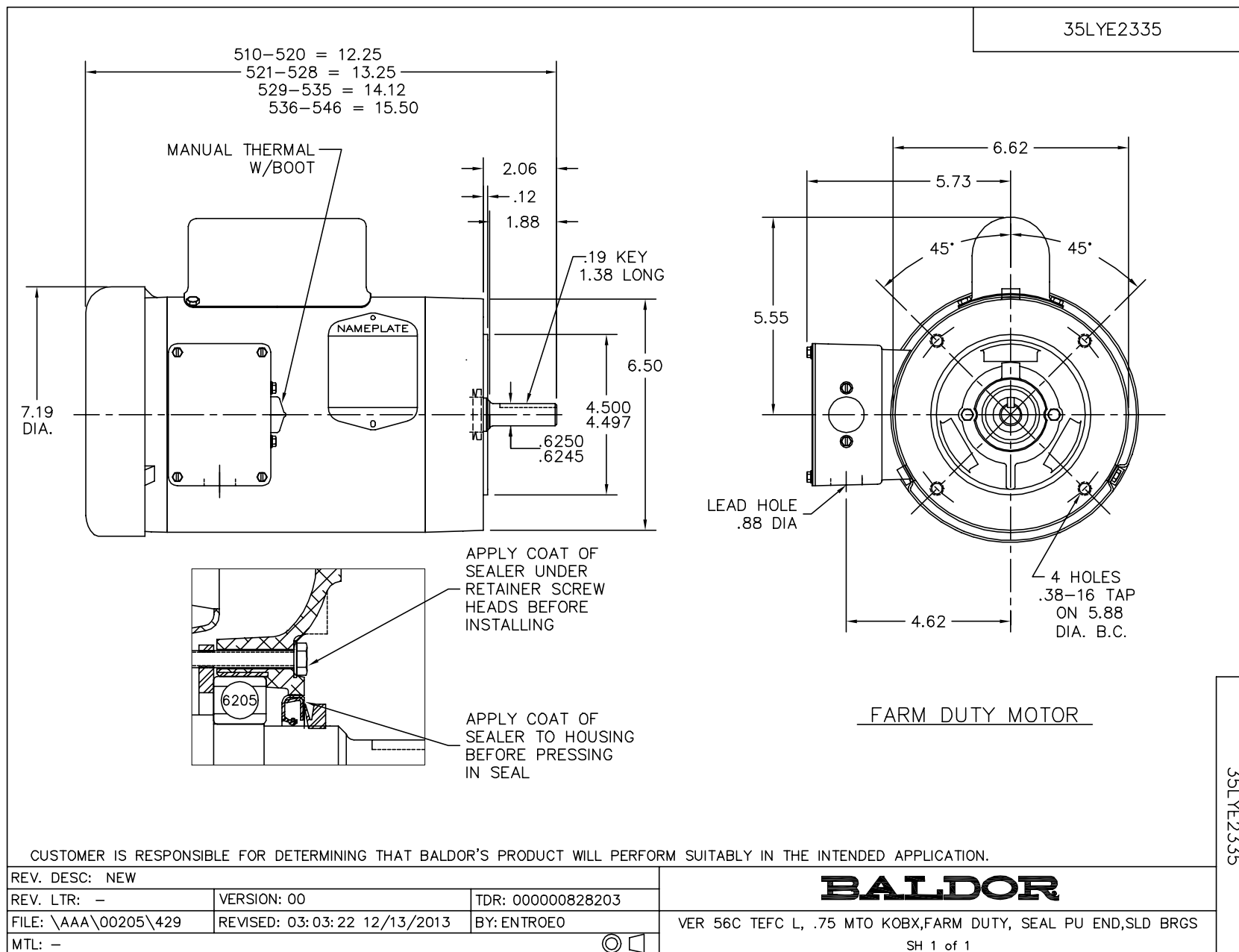
Nameplate Data				230 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	1			Full Load Torque	3 LB-FT
Volts	115/230			Start Configuration	direct on line
Full Load Amps	13/6.5			Breakdown Torque	6.6 LB-FT
R.P.M.	1725			Pull-up Torque	5.3 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	9.3 LB-FT
NEMA Design Code	L	KVA Code	K	Starting Current	37 A
Service Factor (S.F.)	1.15			No-load Current	4.6 A
NEMA Nom. Eff.	67	Power Factor	73	Line-line Res. @ 25°C	2.76 Ω A Ph 1.86 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	75°C
S.F. Amps				Temp. Rise @ S.F. Load	92°C

Load Characteristics 230 V, 60 Hz, 1 HP

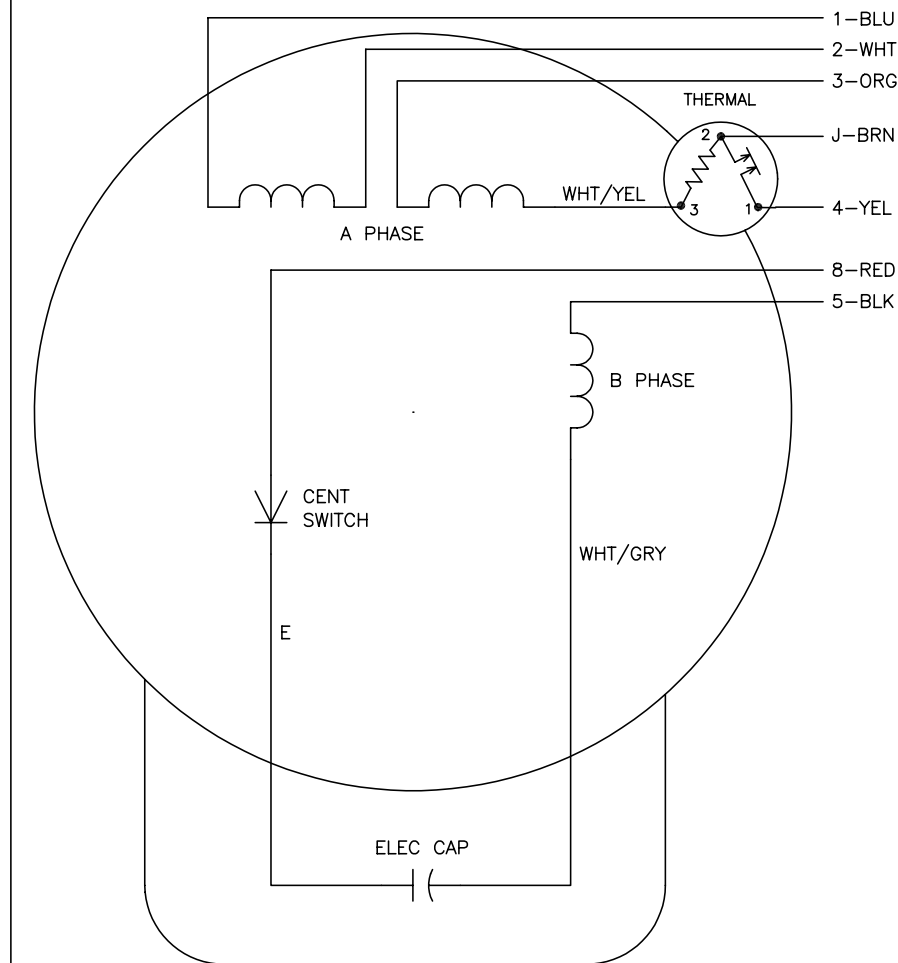
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	37	53	65	73	78	82	76
Efficiency	51.1	63	66.8	66.6	63.9	58.9	65
Speed	1781	1766	1749	1725	1697	1658	1708
Line amperes	4.7	5.1	5.7	6.7	8	9.7	7.5

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





CD0269



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1,8	4	2,3,5	J
HIGH OPP	1,5	4	2,3,8	J
LOW STD	1,3,8	4	—	2,J,5
LOW OPP	1,3,5	4	—	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: E

BY: JLP

REVISED: 04/08/99 1:07

TDR: 0178636

692000

FILE: AAA00007421

MDL: —

MTL: —

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, B PH AMPS THRU HTR HVC, 7 LEAD

CD0269