

BALDOR® • RELIANCE

Product Information Packet

VBNM3538-D

.5HP,1740RPM,3PH,60HZ,56C,3512M,TENV,F3

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Part Detail									
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3512M	Elec. Spec:	35WGP863	CD Diagram:			
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35X058	Layout:			
Frame:	56C	Mounting:	F3	Poles:	04	Created Date:	04-21-2011		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	06-17-2011		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1372L									
CAT.NO.	VBNM3538-D								
SPEC.	35X058P863G1								
HP	.5								
VOLTS	208-230/460-480								
AMP	1.8-1.6/.8-.85								
RPM	1740								
FRAME	56C	HZ	60	PH	3				
SER.F.	1.15	CODE	M	DES	B	CL	F		
NEMA-NOM-EFF	80	PF	69						
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6205	ODE	6203						
ENCL	TENV	SN							
	IP44								

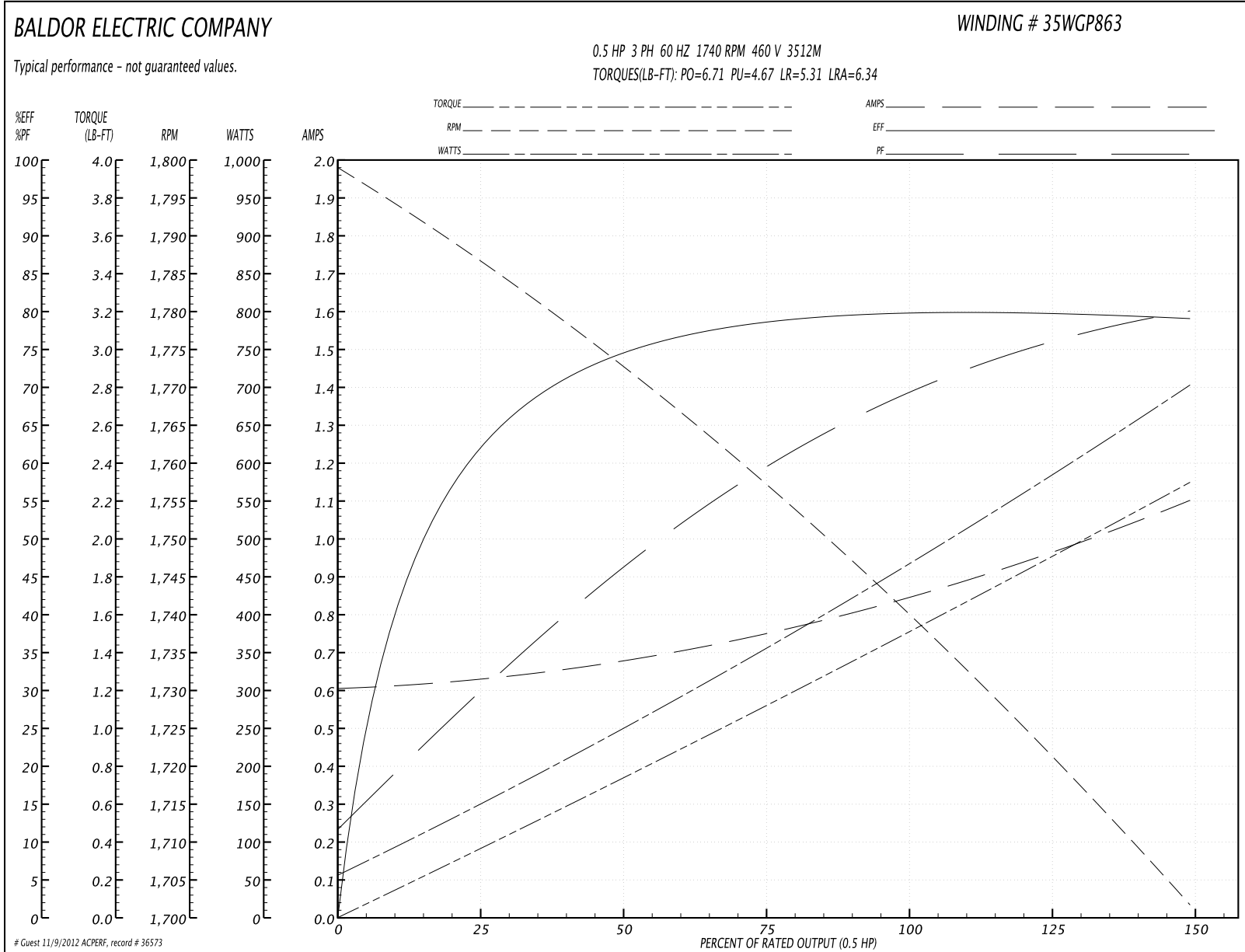
Parts List		
Part Number	Description	Quantity
SA222081	SA 35X058P863G1	1.000 EA
RA209217	RA 35X058P863G1	1.000 EA
S/P111-000-002	CORONA TEST, SUPER E MOTORS - FT. SMITH	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB4007	KOBX, AUTOPHORETIC (REL# 79097-49-C)	1.000 EA
35GS3009	GASKET, KOBX 35CB4006 (411881-15A)	1.000 EA
WD4100A110	CAPLUG,BP-1 1/8, PLUG W/RECESSED HEAD	1.000 EA
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3900T25	FR EP FACE MNT ENCL FOR BRAKE	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A33	SPL FACE MTD EP -ENCL-205 BRG	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
10XN3816K64	3/8-16X4 HX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
BR2006B01	DBSC SPLINED HUB 5/8 BOR	1.000 EA
35CB4519	CB LID RAW & UNPRIMED, REL# 79097-50-B	1.000 EA
35GS3020	NEOPRENE GASKET, KOBX LID (602018-31)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
WD4006A01	WIRE JOINT, RB-4 OR RB-44	1.000 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

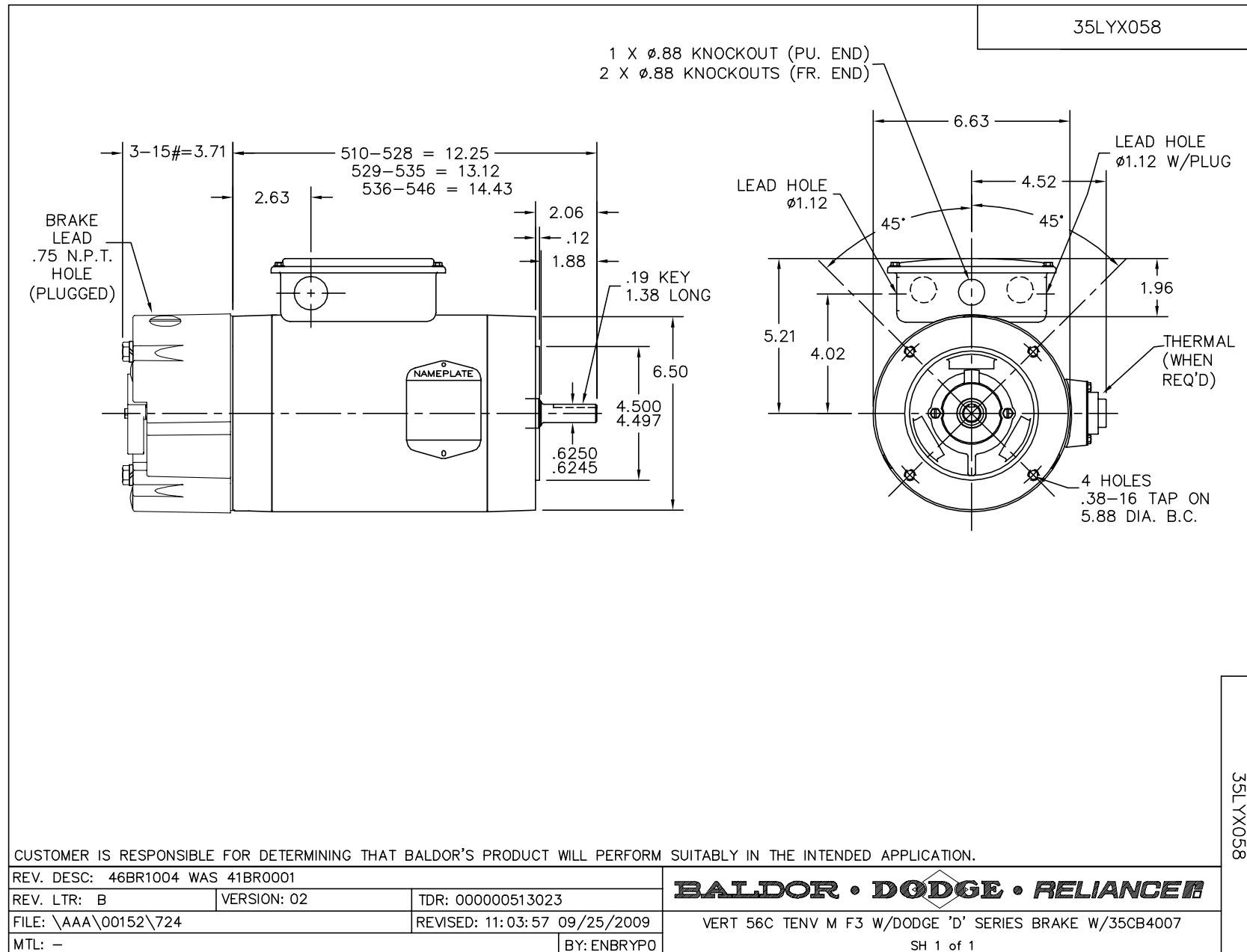
Parts List (continued)		
Part Number	Description	Quantity
LB1419	CONN LABEL DODGE BRAKE (REL# 411614-15)	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON	0.050 LB
MG1000N49	PAINT, 678.50 WILKO, REL GRN (55 GA)	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA
46BK0104B01	DBSC-VP-3-MA-230/460 VAC	1.000 EA
LB1119	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
G7PA1000	PACKAGING GROUP / BALDOR	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA

Performance Data at 460V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)

General Characteristics							
Full Load Torque:		1.49 LB-FT		Start Configuration:		DOL	
No-Load Current:		0.608 Amps		Break-Down Torque:		6.71 LB-FT	
Line-line Res. @ 25°C.:		34.0 Ohms A Ph / 0.0 Ohms B Ph		Pull-Up Torque:		4.67 LB-FT	
Temp. Rise @ Rated Load:		54 C		Locked-Rotor Torque:		5.31 LB-FT	
Temp. Rise @ S.F. Load:		65 C		Starting Current:		6.34 Amps	
Load Characteristics							
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	28.0	45.0	59.0	69.0	75.0	80.0	73.0
Efficiency:	59.5	73.1	78.5	80.0	80.1	78.9	80.1
Speed:	1788.0	1774.0	1759.0	1741.0	1722.0	1702.0	1730.0
Line Amperes:	0.624	0.669	0.744	0.844	0.957	1.1	0.912

Performance Graph at 460V, 60Hz, 0.5HP 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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005