

BALDOR® • RELIANCE

Product Information Packet

VBM3538-D

.5HP,1740RPM,3PH,60HZ,56C,3511M,TEFC,F3

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Part Detail									
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No		
Type:	AC	Prod. Type:	3511M	Elec. Spec:	35WGP864	CD Diagram:			
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35X145	Layout:			
Frame:	56C	Mounting:	F3	Poles:	04	Created Date:	06-01-2011		
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	06-06-2011		
Leads:	9#18	Literature:		Elec. Diagram:		Replaced By:			
Nameplate NP1372L									
CAT.NO.	VBM3538-D								
SPEC.	35X145P864G2								
HP	.5								
VOLTS	208-230/460								
AMP	2.42-2.24/1.12								
RPM	1740								
FRAME	56C	HZ			60	PH	3		
SER.F.	1.15	CODE			M	DES	B	CL	F
NEMA-NOM-EFF	72	PF			58				
RATING	40C AMB-CONT								
CC				USABLE AT 208V					
DE	6205	ODE			6205				
ENCL	TEFC	SN							
	IP44								

Parts List		
Part Number	Description	Quantity
SA224449	SA 35X145P864G2	1.000 EA
RA211560	RA 35X145P864G2	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
51XB1016A05	10-16X5/16HX WA SL SR TYB (F/S)	2.000 EA
WD4100A110	CAPLUG,BP-1 1/8, PLUG W/RECESSED HEAD	1.000 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
35EP3119A01	SPL FREP TEFC 205 BRG	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	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
35FH3004A01	FAN COVER ASSY, BRAKE MTG	1.000 EA
51XN1032A32	10-32 X 2 HX WS SL SR	4.000 EA
HW1001A10	WASHER, #10 SPLT LK, ZN X	4.000 EA
35FN3003A01	EXFN, PLASTIC, 5.88 OD, .626 ID	1.000 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
35GS3019	GASKET, FOR KOBX LID 35CB4519	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
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
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
HA3100A11	THRUBOLT 10-32 X 6.750	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
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB5040	INSTRUCTION TAG, AC & DC	1.000 EA
NP1372L	ALUM UL CSA CE CC	1.000 EA
G0PA1000	PACKAGING GROUP	1.000 EA
PK3082	STYROFOAM CRADLE	3.000 EA

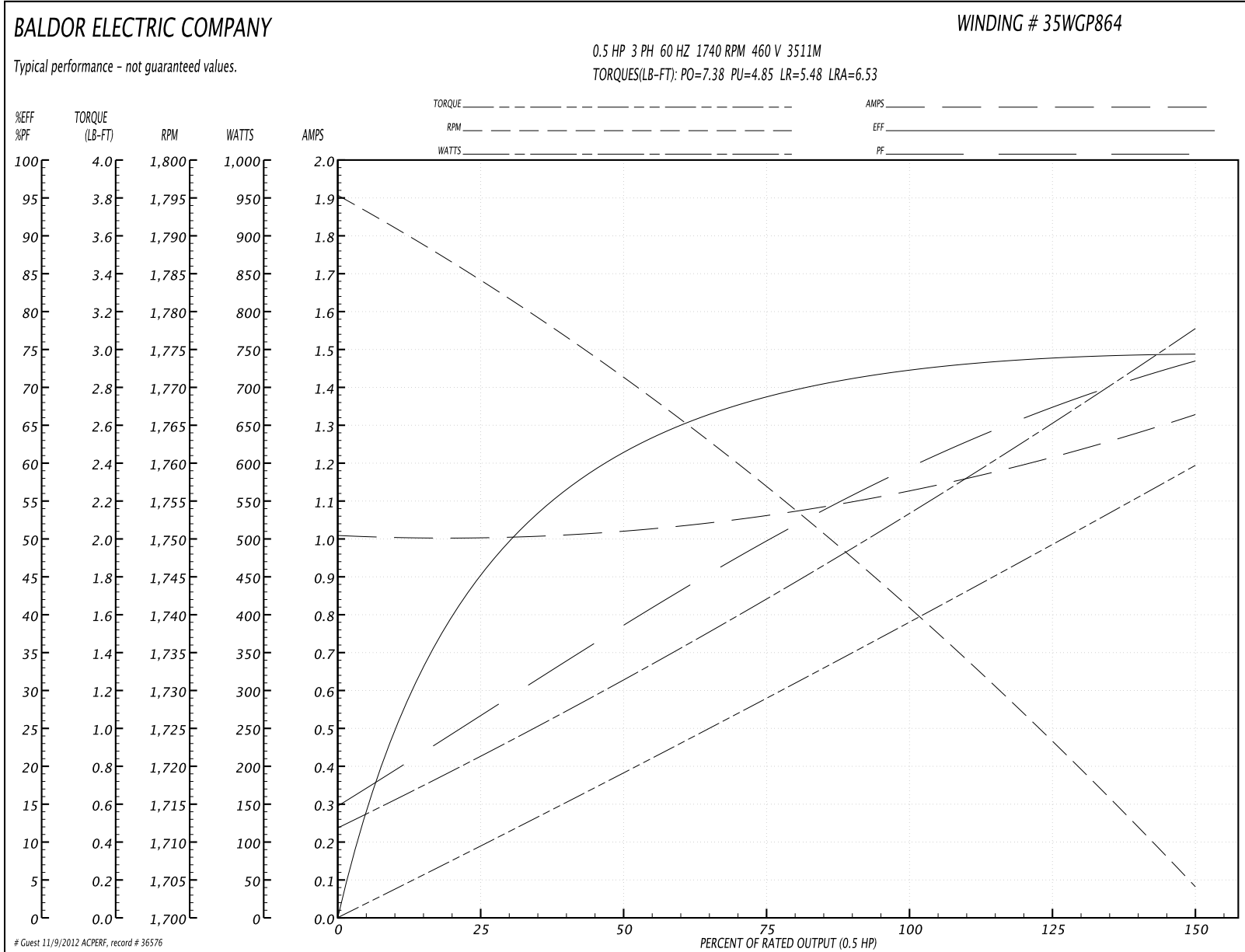
Performance Data at 460V, 60Hz, 0.5HP (Typical performance - Not guaranteed values)**General Characteristics**

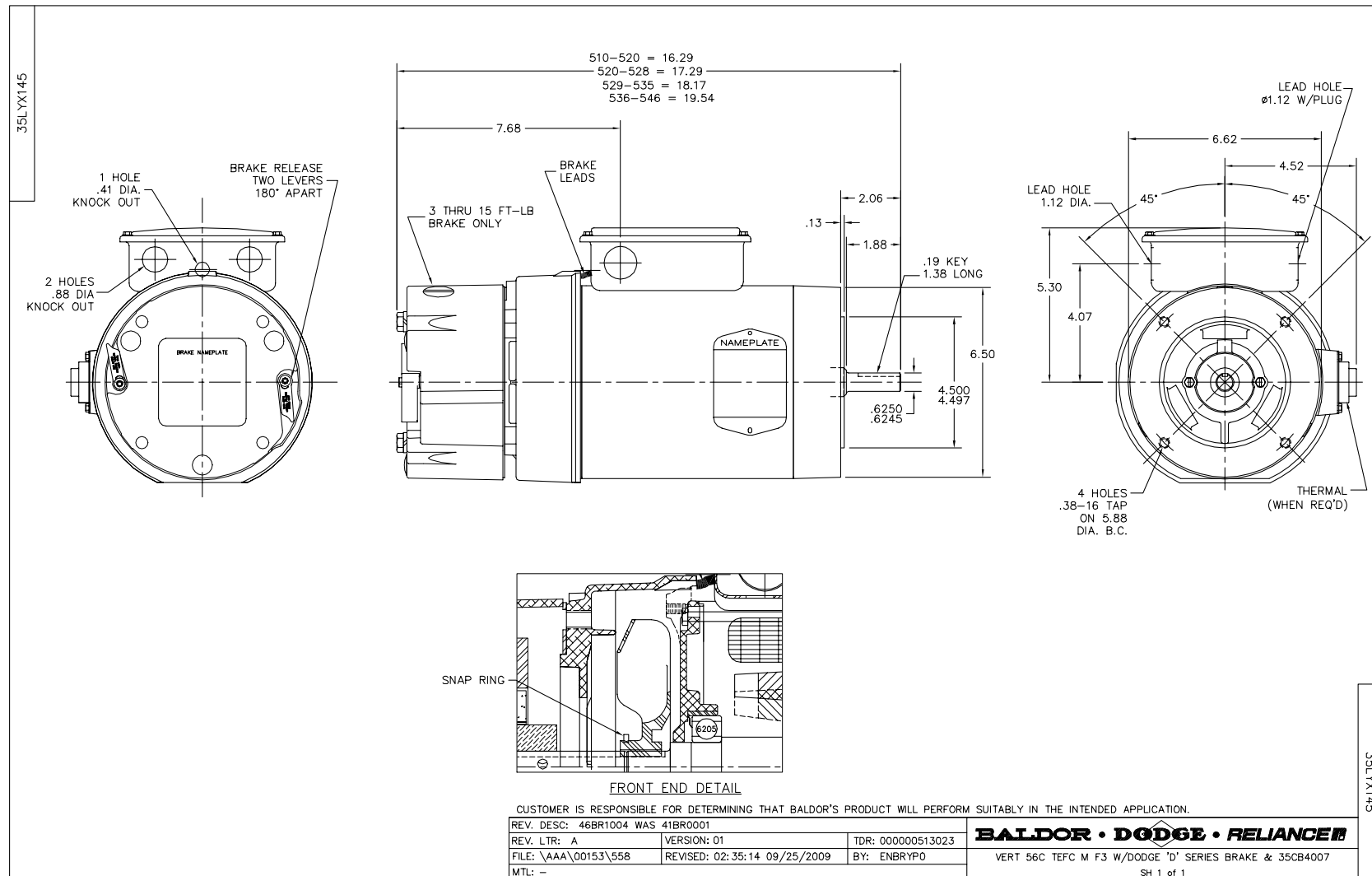
Full Load Torque:	1.52 LB-FT	Start Configuration:	DOL
No-Load Current:	1.01 Amps	Break-Down Torque:	7.38 LB-FT
Line-line Res. @ 25°C.:	39.6 Ohms A Ph / 0.0 Ohms B Ph	Pull-Up Torque:	4.85 LB-FT
Temp. Rise @ Rated Load:	45 C	Locked-Rotor Torque:	5.48 LB-FT
Temp. Rise @ S.F. Load:	51 C	Starting Current:	6.53 Amps

Load Characteristics

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor:	27.0	38.0	49.0	58.0	67.0	74.0	63.0
Efficiency:	44.9	60.5	68.3	72.1	74.0	74.3	73.2
Speed:	1785.0	1772.0	1758.0	1742.0	1726.0	1704.0	1732.0
Line Amperes:	1.0	1.02	1.06	1.12	1.2	1.33	1.17

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

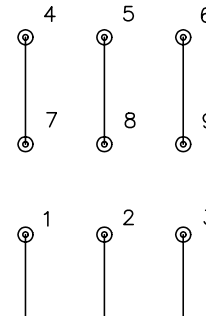




CD0005

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