

BALDOR® • RELIANCE

Product Information Packet

CEWDBM3538

.5HP,1765RPM,3PH,60HZ,56C,3516M,TENV,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGM303	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35L652	Layout:	35LYL652
Frame:	56C	Mounting:	F1	Poles:	04	Created Date:	11-29-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-29-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	CEWDBM3538											
SPEC.	35L652M303G1											
HP	.5											
VOLTS	208-230/460											
AMP	1.9-1.8/.9											
RPM	1765											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.25			CODE	N		DES		B		CLASS	F
NEMA-NOM-EFF	84			PF	64							
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6205			ODE		6203						
ENCL	TENV			SN								
	SFA 2.1-2/1											

Parts List		
Part Number	Description	Quantity
SA212584	SA 35L652M303G1	1.000 EA
RA199813	RA 35L652M303G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3003A02W	CONDUIT BOX W/.50 NPT LEAD HOLE, MACH WH	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 EA
HA5027A01	HA4066A01 T-DRAIN X2 BAGGED	1.000 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
35EP3900T32MW	WHITE EPOXY EP MACH COMPL	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35PE3300A48MW	SPL FACE MTD EP - 205 BRG - W/SEAL FOR W	1.000 EA
HW4032A01	BLACK DRAIN PLUG FOR WASH DOWN MOTORS	3.000 EA
HW4600B49	SEAL 0.938 X 1.624 X 0.250 SINGLE LIP DB	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
HW2501D06	KEY, 3/16 SQ X 0.750	1.000 EA
35CB4516	CONDUIT BOX LID, PRIMER	1.000 EA
36GS3008SP	WHITE NEOPREME KO BOX LID GASKET	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
HW4600B46	V-RING SLINGER 0.875 X 1.420 X .24 VITON	1.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.001 QT

Parts List (continued)		
Part Number	Description	Quantity
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1025Z02	ACTIVATOR WILKOFAS 060.02HF	0.010 GA
MG1025W01	WILKOFAS, 781.01, SIGNAL WHITE #9003	0.017 GA
HA3100S08	THRUBOLT 7.375LG SS	4.000 EA
76BK1400BQF	1-056-014-00-BQF 3# 230/460V. NEMA 4X EN	1.000 EA
84XN3816J28	HEX SOC HD, 3/8-16 X 1.75 LONG	2.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
LB1404	BRAKE CONNECTION LABEL	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36220 - Typical performance - not guaranteed values

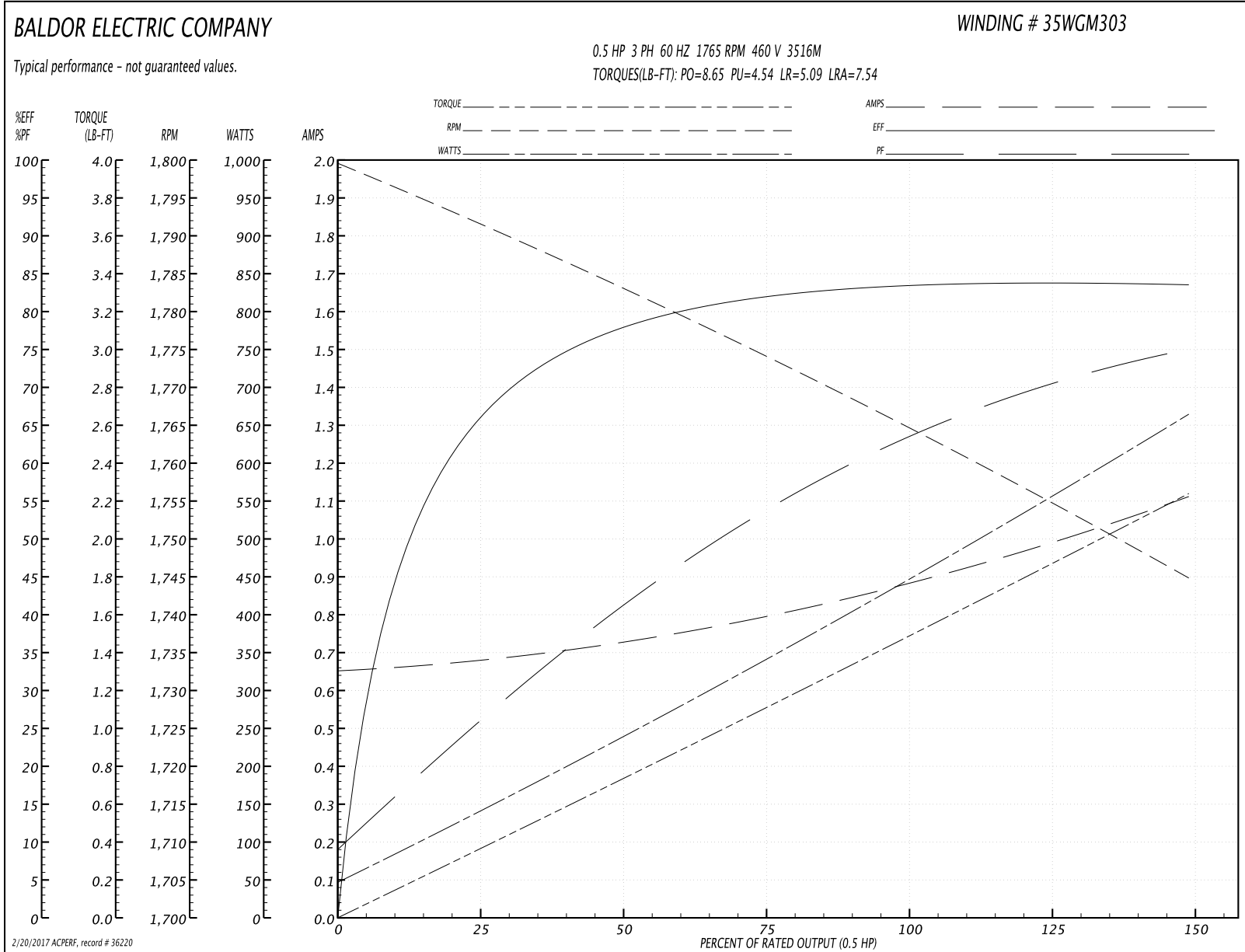
Winding: 35WGM303-R006	Type: 3516M	Enclosure: TENV
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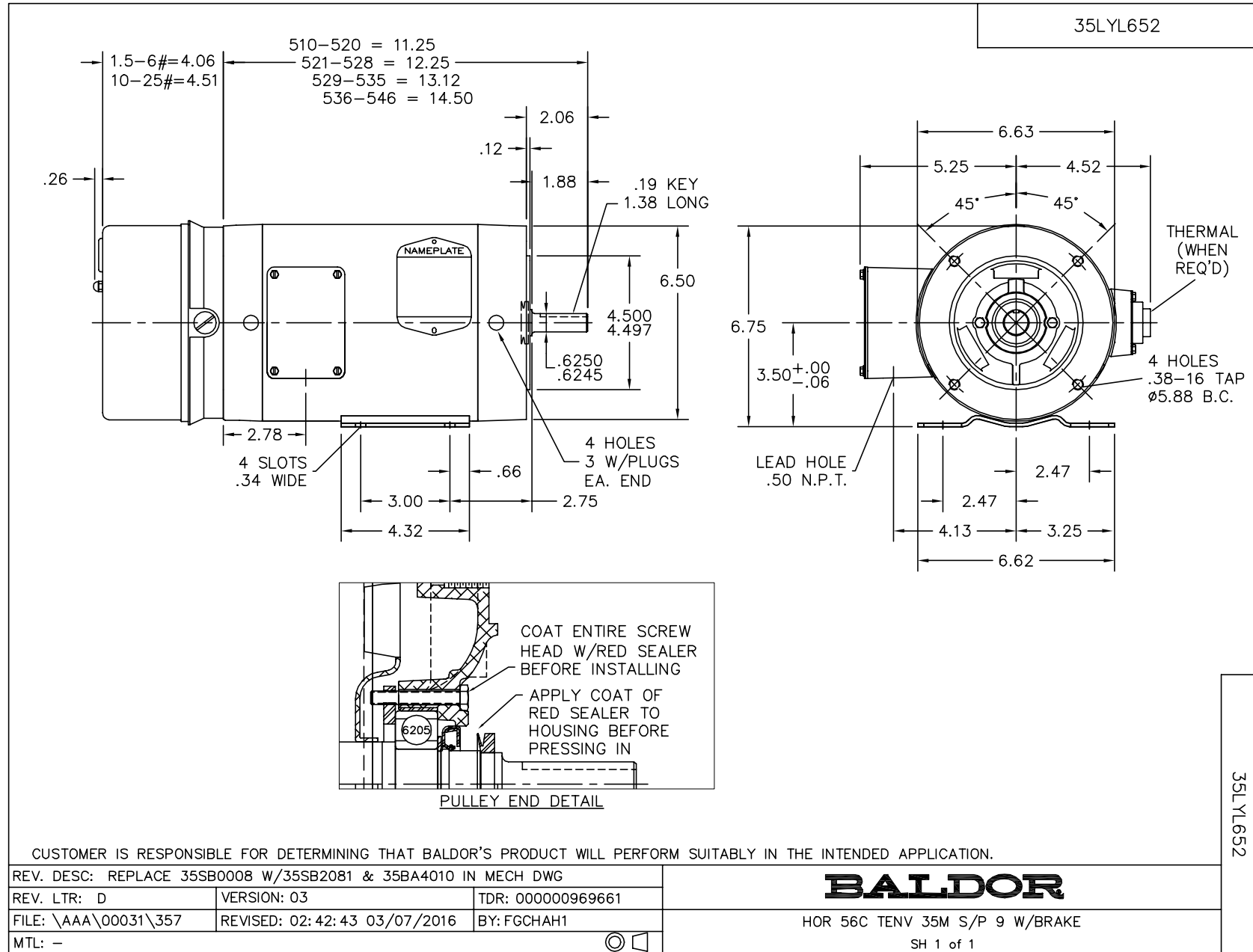
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	1.49 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.9-1.8/.9			Breakdown Torque	8.65 LB-FT
R.P.M.	1765			Pull-up Torque	4.54 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	5.09 LB-FT
NEMA Design Code	B	KVA Code	N	Starting Current	7.54 A
Service Factor (S.F.)	1.25			No-load Current	0.655 A
NEMA Nom. Eff.	84	Power Factor	64	Line-line Res. @ 25°C	25.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
S.F. Amps	2.1-2/1			Temp. Rise @ S.F. Load	

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	41	53	63	70	75	70
Efficiency	65	77.6	81.5	83.8	84	83.4	84
Speed	1793	1783	1774	1765	1755	1745	1755
Line amperes	0.674	0.725	0.793	0.885	0.986	1.11	0.986

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

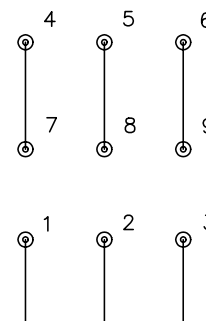




CD0005

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

900000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005