

BALDOR® • RELIANCE

Product Information Packet

CSWDM3537

.5HP,3450RPM,3PH,60HZ,56C,3512M,TENV,F1

Part Detail							
Revision:	L	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3512M	Elec. Spec:	35WG1706	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35S630	Layout:	35LYS630
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	02-19-2010
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	12-08-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1496L

CAT.NO.	CSWDM3537												
SPEC.	35S630-1706G1												
HP	.5												
VOLTS	208-230/460												
AMP	1.9-1.8/.9												
RPM	3450												
FRAME	56C				HZ		60		PH	3			
SER.F.	1.00			CODE	L	DES	B	CLASS	F				
NEMA-NOM-EFF	70			PF	76								
RATING	40C AMB-CONT												
CC					USABLE AT 208V						1.9		
DE	6205				ODE	6203							
ENCL	TENV			SN									

Parts List		
Part Number	Description	Quantity
SA191223	SA 35S630-1706G1	1.000 EA
RA178884	RA 35S630-1706G1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3008A01MU	CONDUIT BOX, BALL BURNISHED, MACHINED -	1.000 EA
35GS1022A03	GASKET BOX .125 THK WHITE NEOPRENE	1.000 EA
51XN1032A07	10-32 X 0.438 HX WS SL SR ZN	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M72MU	SPL FR EP-ENCL-203 BRG-DIE CAST ALUM(BAL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3300A75MU	PU E.P., CAST-FACE MTD-56C-205 BRG(BALL	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW4606A02	JM CLIPPER/SEAL (LWE-0938-1624-AL23)	1.000 EA
12XN1032S20	10-32 X 1-1/4 HEX M.S. , STAINLESS STEEL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	2.000 EA
HA1049A01	DUBO LOK WASHER SIZE 10 (NYLON LOCK SEAL	4.000 EA
HW2502D13	SS KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
35CB4523	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
35GS1030A02	35 GS FOR CB LID - WHITE NEOPRENE	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3100S12	THRUBOLT 7.625 LENGTH 1.250 TH LENGTH SS	4.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1496L	SS WD UL CSA CC	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1000/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 20962 - Typical performance - not guaranteed values

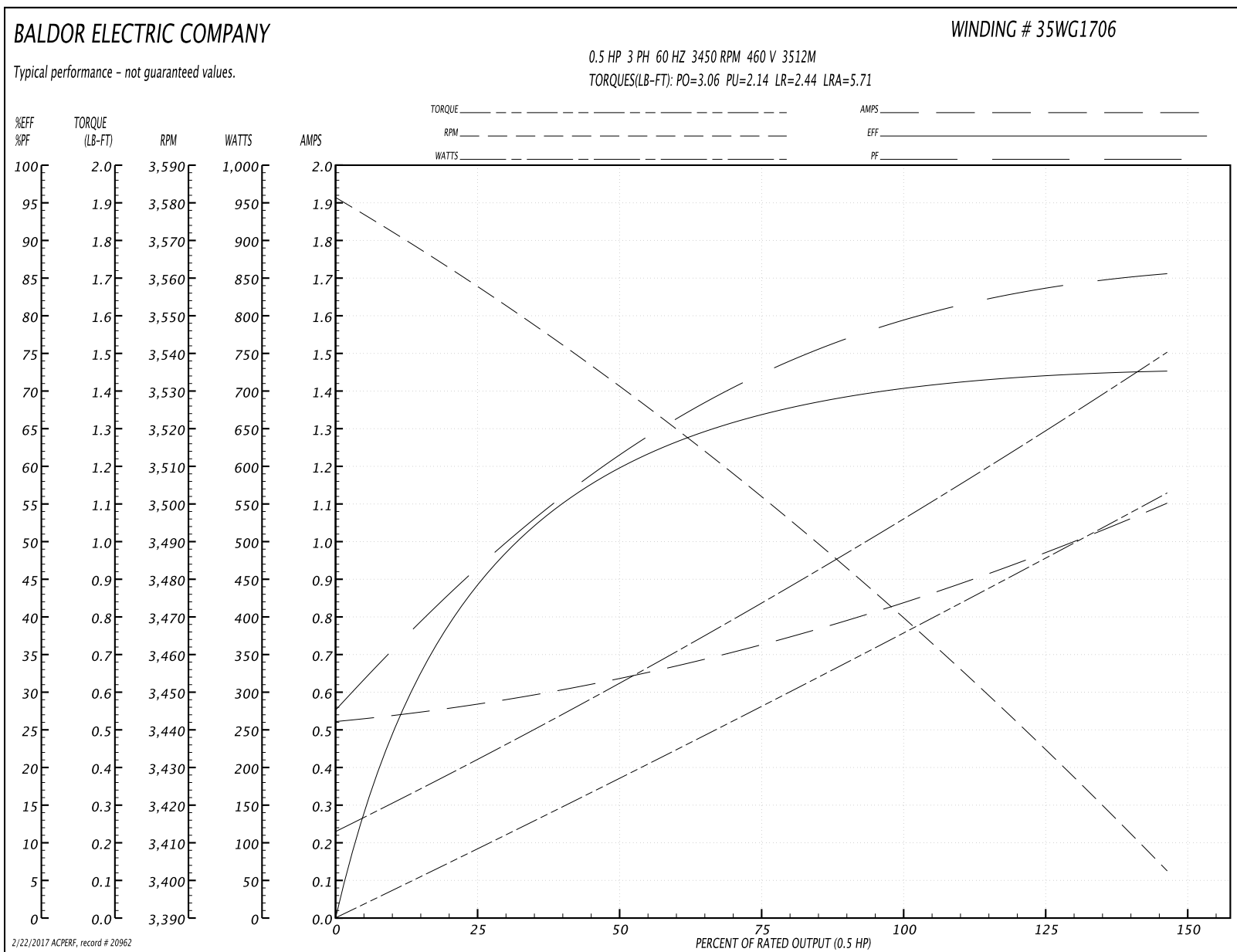
Winding: 35WG1706-R008	Type: 3512M	Enclosure: TENV
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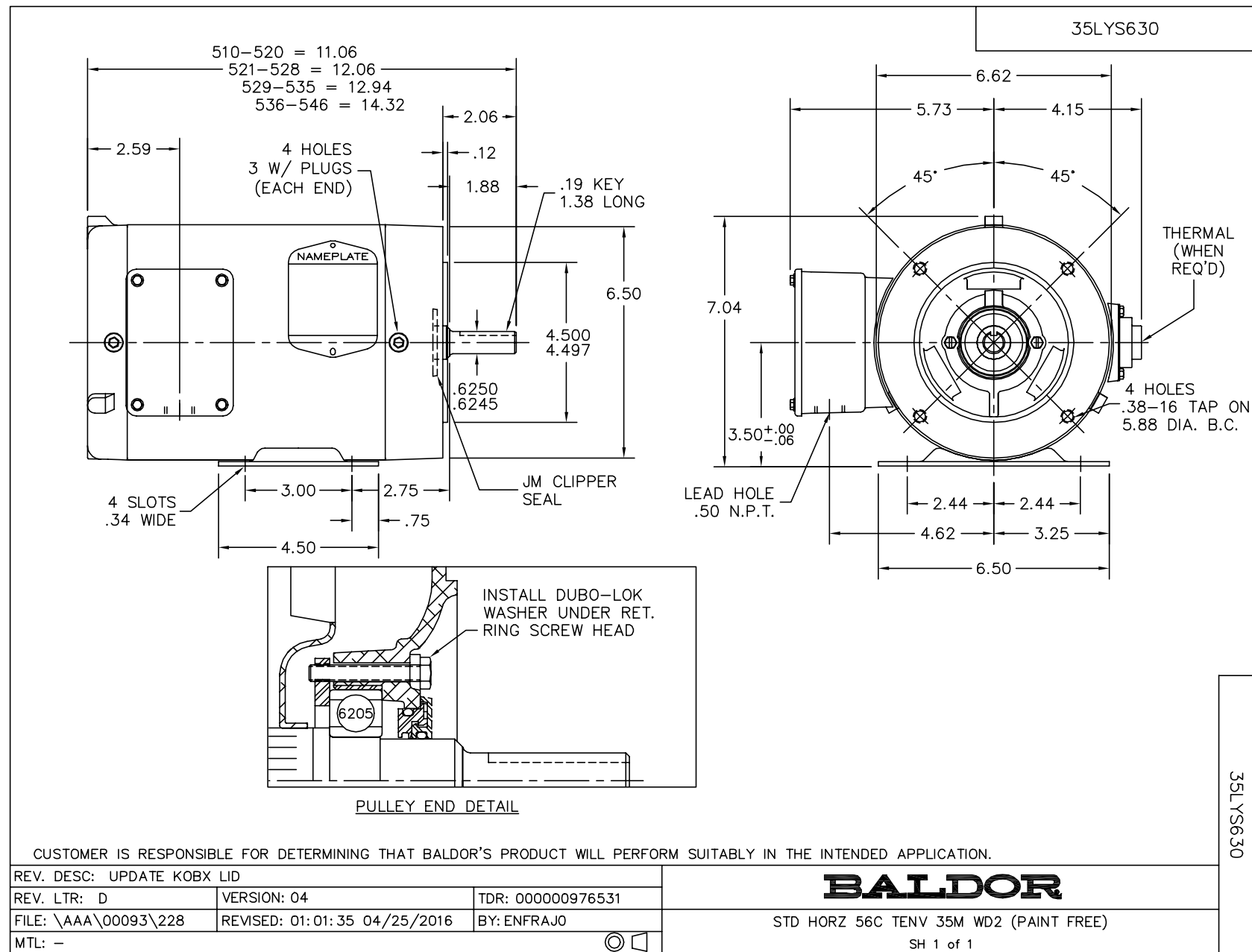
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.752 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.9-1.8/.9			Breakdown Torque	3.06 LB-FT
R.P.M.	3450			Pull-up Torque	2.14 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	2.44 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	5.71 A
Service Factor (S.F.)	1			No-load Current	0.525 A
NEMA Nom. Eff.	70	Power Factor	76	Line-line Res. @ 25°C	37.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	63°C
				Locked-rotor Power Factor	72.9
				Rotor inertia	0.0332 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

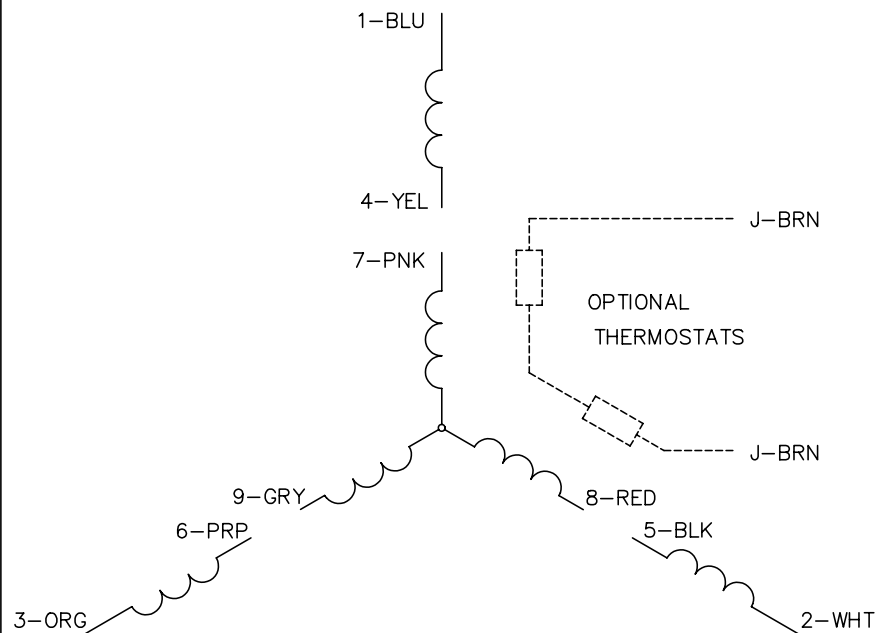
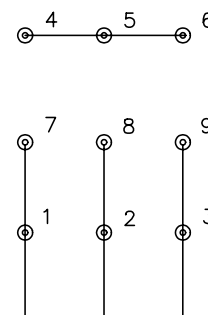
% of Rated Load	25	50	75	100	125	150
Power Factor	48	62	72	79	83	86
Efficiency	43.9	59.7	67.1	70.5	72.1	72.5
Speed	3557	3530	3502	3471	3438	3402
Line amperes	0.565	0.636	0.727	0.839	0.961	1.1

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

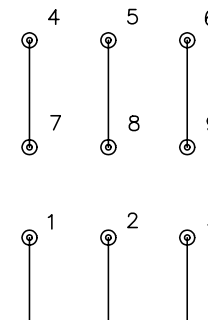




CD0005

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