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Product Information Packet

P56X3574

.5HP,3450RPM,3PH,60HZ,56C,3513M,TENV,F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3513M	Elec. Spec:	35WG1706	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35W866	Layout:	35LYW866
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	09-20-2007
Base:	RG	Rotation:	R	Insulation:	F	Eff. Date:	02-11-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	P56X3574										
SPEC.	35W866-1706G1										
HP	.5										
VOLTS	208-230/460										
AMP	1.9-1.8/.9										
RPM	3450										
FRAME	56C				HZ		60		PH	3	
SER.F.	1.15			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
SA162997	SA 35W866-1706G1	1.000 EA
RA151501	RA 35W866-1706G1	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
35EP3102A25	FR ENDPLATE TERM PANEL W/MACH SW BOSS FO	1.000 EA
HW5100A03	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
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
35GS1002	GASKET,1/16 THICK LEXIDE	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
SP5079A01	MODEL 35 3PH TERM PANEL CONN 9LD DUAL VO	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0005A01	3 PH, DV, REV, 9LD, 2Y/1YTERM PANEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

AC Induction Motor Performance Data

Record # 36509 - Typical performance - not guaranteed values

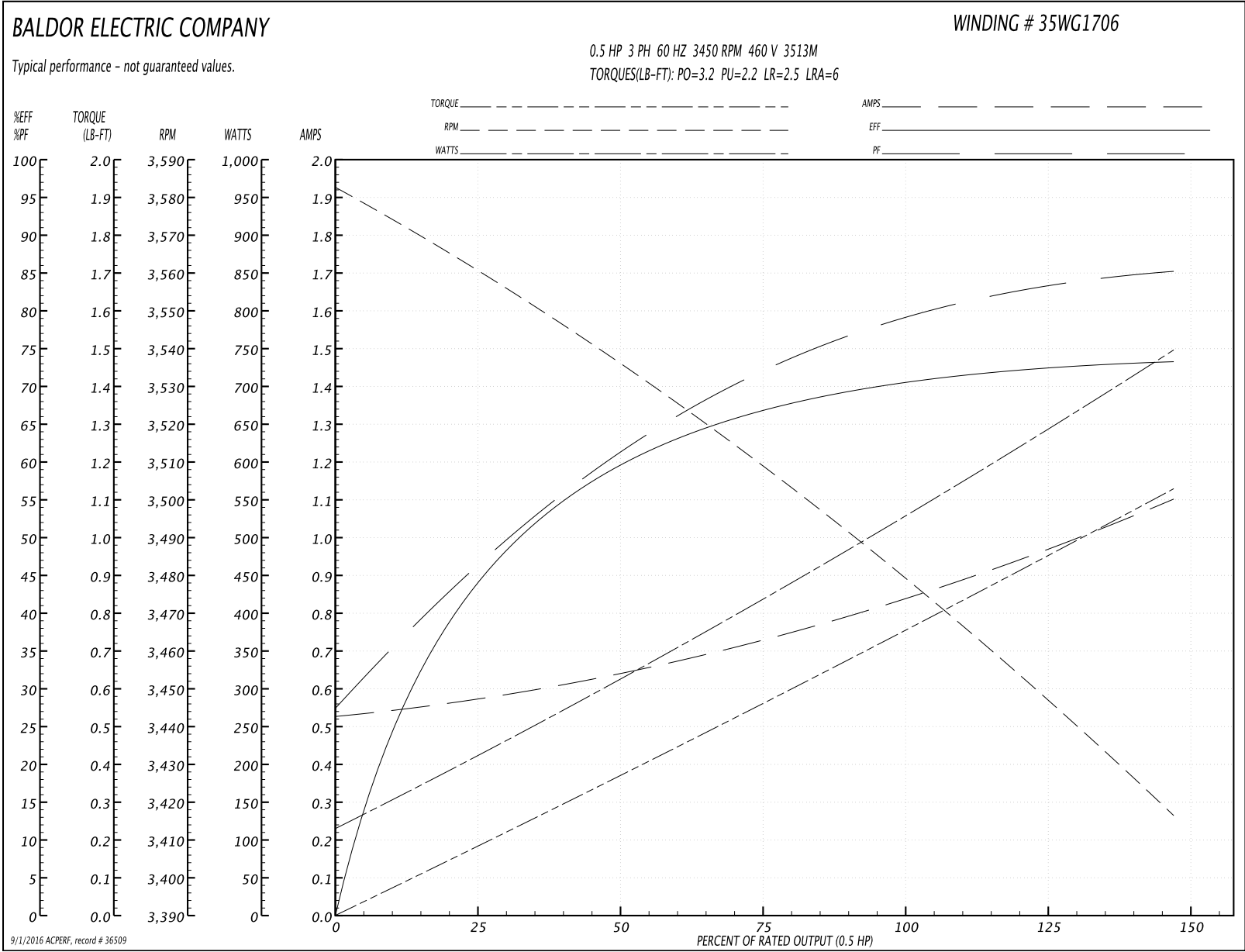
Winding: 35WG1706-R015	Type: 3513M	Enclosure: TENV
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	0.75 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.9-1.8/.9			Breakdown Torque	3.2 LB-FT
R.P.M.	3450			Pull-up Torque	2.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	2.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	6 A
Service Factor (S.F.)	1.15			No-load Current	0.53 A
NEMA Nom. Eff.	70	Power Factor	76	Line-line Res. @ 25°C	36.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps				Temp. Rise @ S.F. Load	67°C
				Rotor inertia	0.036 LB-FT ²

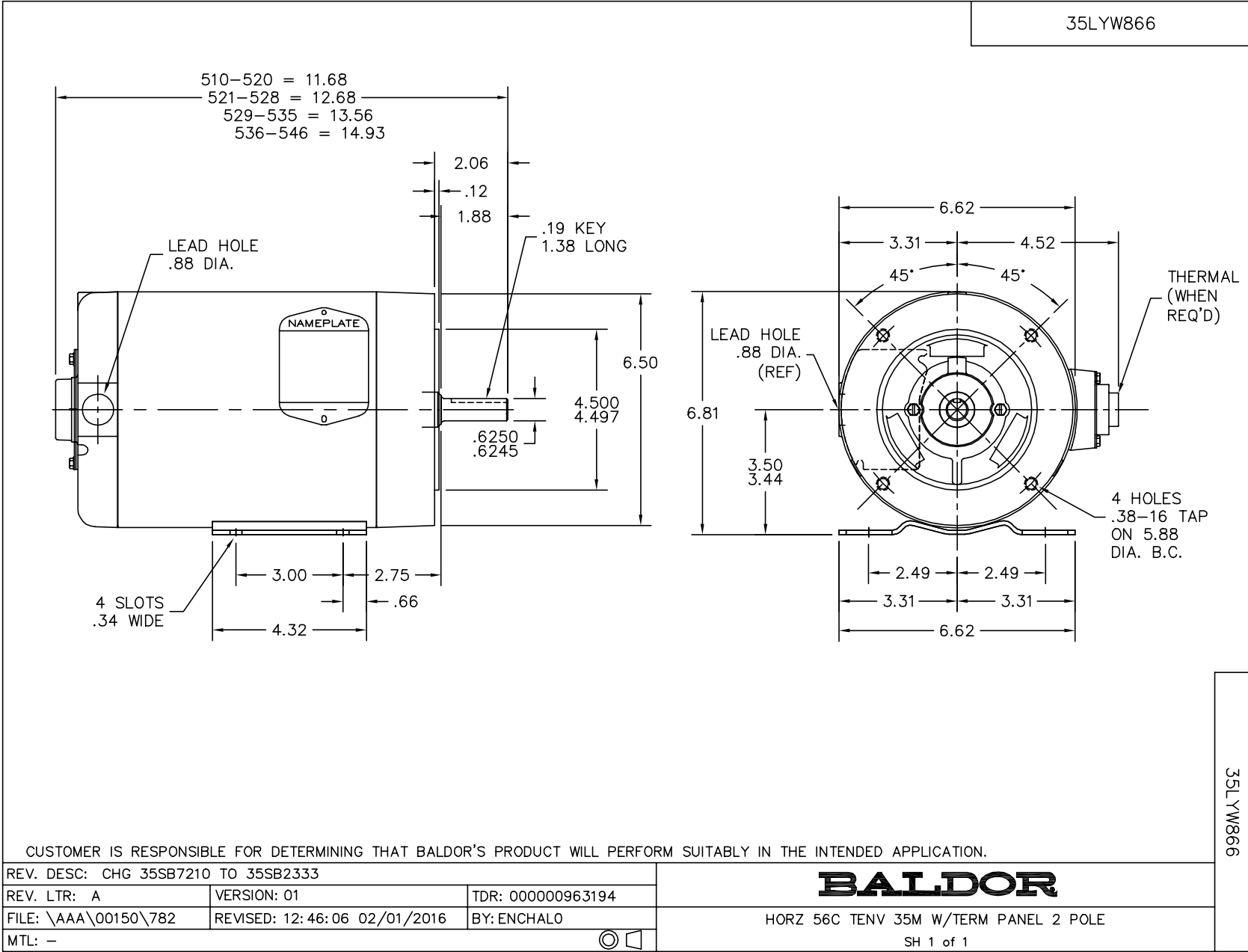
Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	47	62	72	78	83	85	81
Efficiency	44.2	59.6	67	70.6	72.4	73.2	71.7
Speed	3560	3535	3509	3480	3450	3416	3462
Line amperes	0.57	0.64	0.73	0.84	0.96	1.1	0.912

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



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