

BALDOR® • RELIANCE

Product Information Packet

CNM3531

.25HP,1140RPM,3PH,60HZ,56C,3516M,TENV,F1

Part Detail							
Revision:	H	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3516M	Elec. Spec:	35WGX086	CD Diagram:	CD0005
Enclosure:	TENV	Mfg Plant:		Mech. Spec:	35E012	Layout:	35LYE012
Frame:	56C	Mounting:	F1	Poles:	06	Created Date:	06-19-2008
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	02-01-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	CNM3531											
SPEC.	35E012X086G3											
HP	.25											
VOLTS	208-230/460											
AMP	1.1-1/5											
RPM	1140											
FRAME	56C				HZ		60			PH	3	
SER.F.	1.35				CODE	L	DES		B	CLASS	B	
NEMA-NOM-EFF	68					PF	64					
RATING	40C AMB-CONT											
CC				USABLE AT 208V								
DE	6205				ODE		6203					
ENCL	TENV				SN							
	SFA 1.3-1.2/6											

Parts List		
Part Number	Description	Quantity
SA172810	SA 35E012X086G3	1.000 EA
RA161007	RA 35E012X086G3	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
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A07	10-16 X 7/16 HXWSSLD SERTYB	2.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
35EP3100M69	STD FR EP-TENV-35L OR M--203 BRG	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
35CB4521GX	CONDUIT BOX LID KIT	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501D13	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
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	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 # 36877 - Typical performance - not guaranteed values

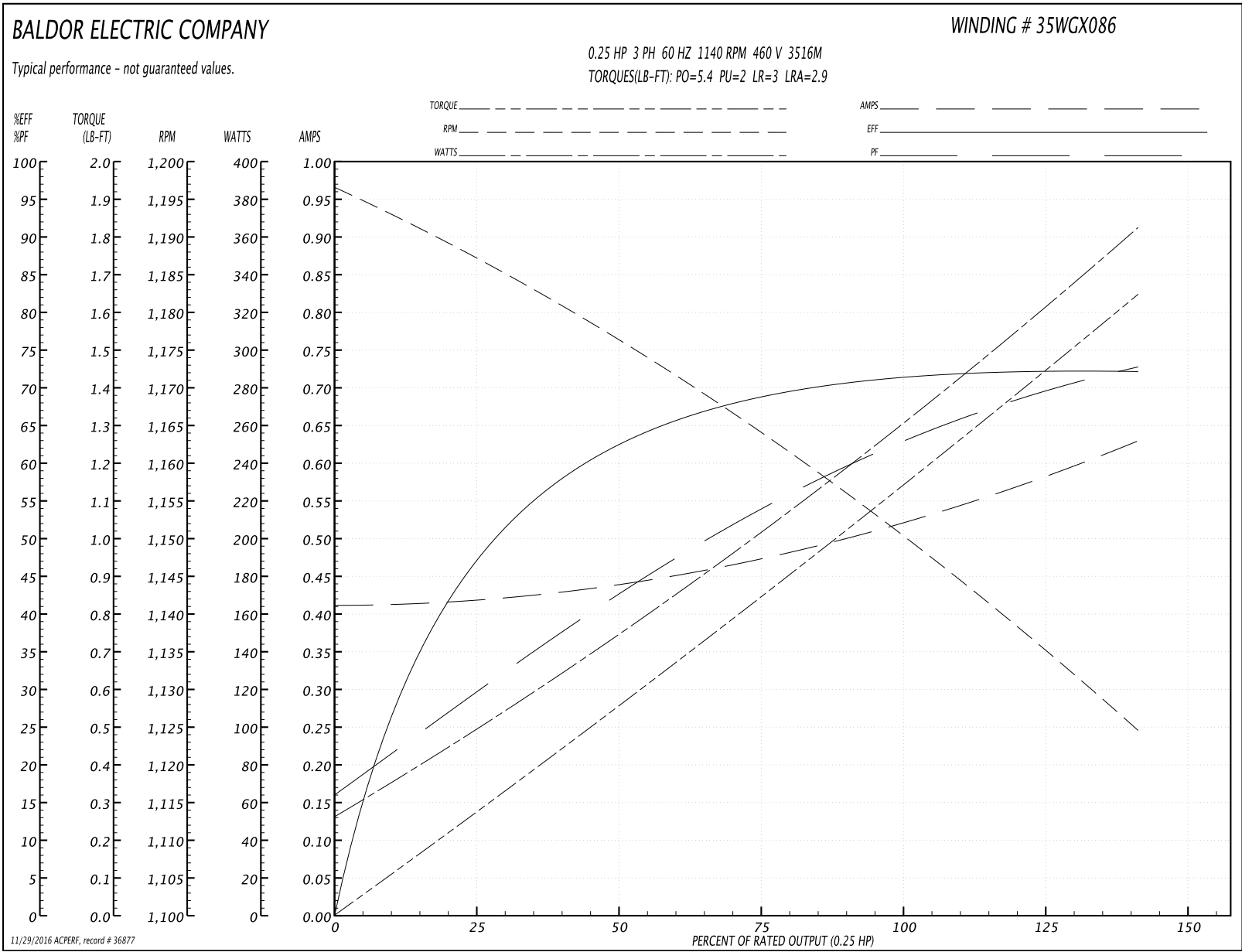
Winding: 35WGX086-R007	Type: 3516M	Enclosure: TENV
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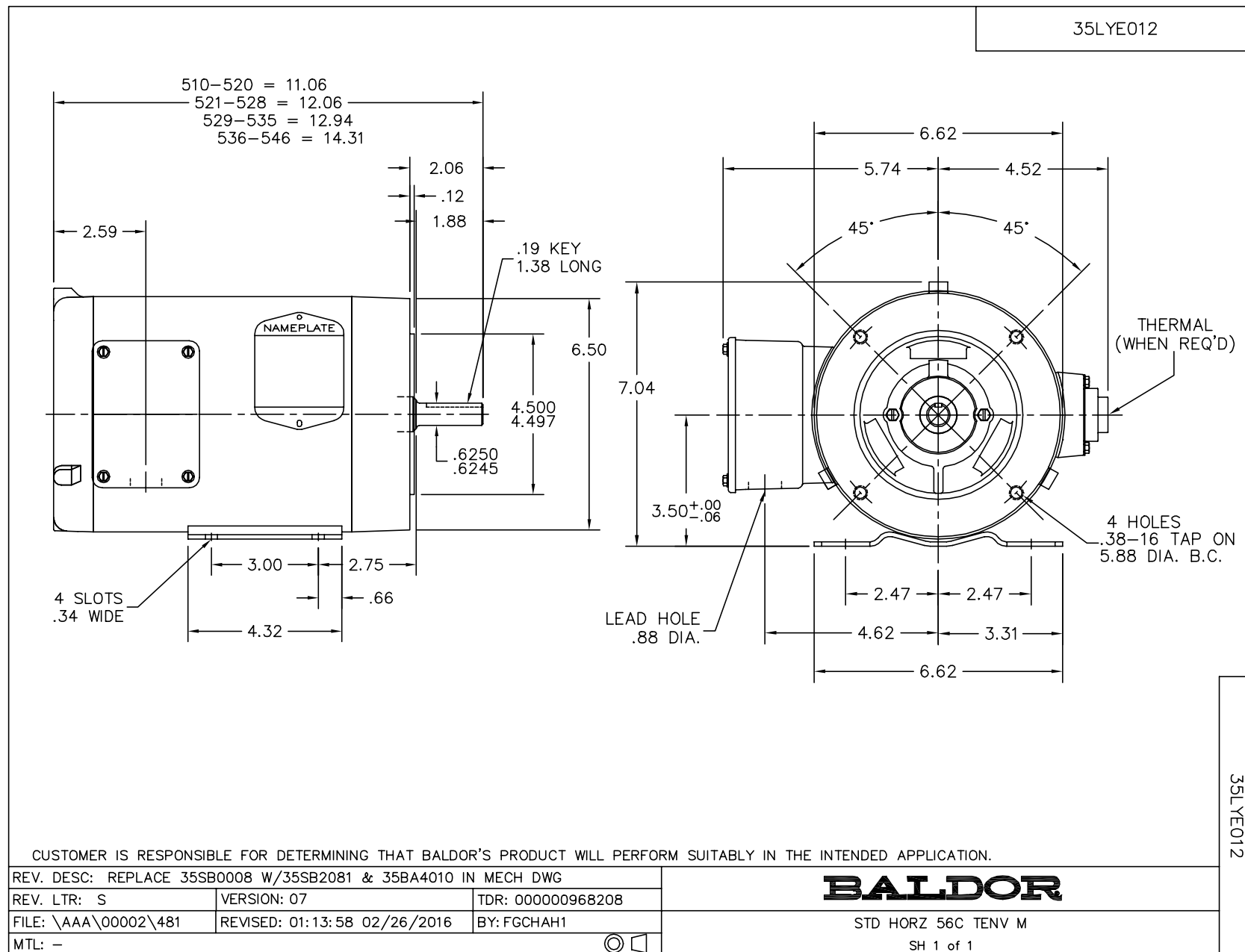
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25			Full Load Torque	1.1 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	1.1-1/5			Breakdown Torque	5.4 LB-FT
R.P.M.	1140			Pull-up Torque	2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	3 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	2.9 A
Service Factor (S.F.)	1.35			No-load Current	0.41 A
NEMA Nom. Eff.	68	Power Factor	64	Line-line Res. @ 25°C	86 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	45°C
S.F. Amps	1.3-1.2/.6			Temp. Rise @ S.F. Load	59°C
				Locked-rotor Power Factor	70
				Rotor inertia	0.0949 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.25 HP

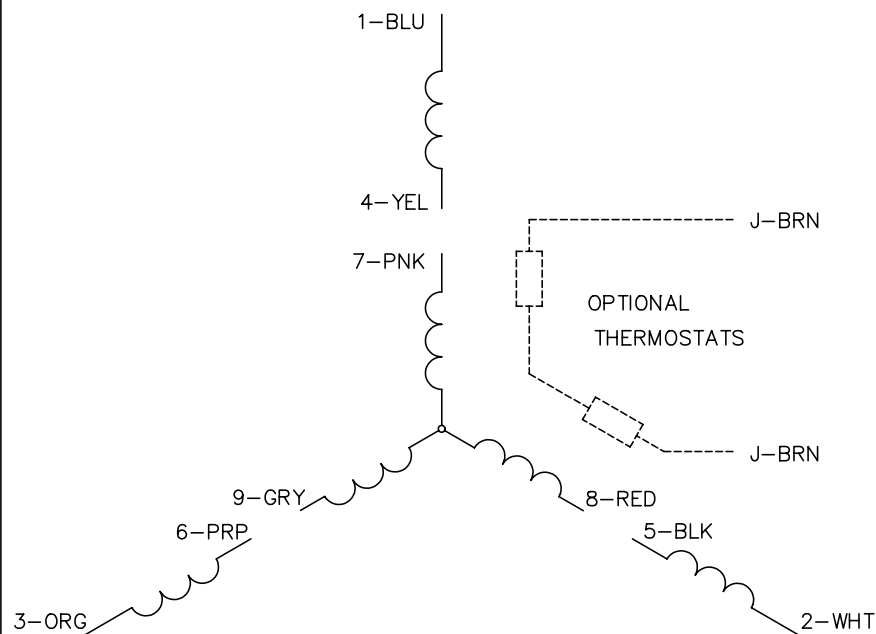
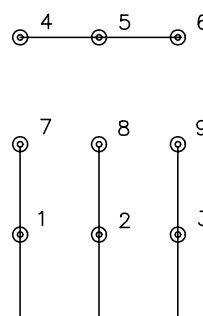
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	30	42	54	62	68	73	70
Efficiency	46.9	62.1	67.9	71.8	72.3	72	72.2
Speed	1187	1176	1165	1153	1139	1124	1133
Line amperes	0.42	0.44	0.47	0.51	0.57	0.63	0.594

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values

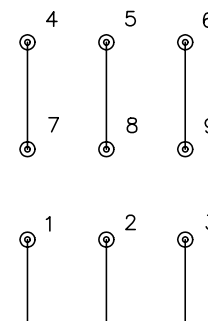




CD0005

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