

BALDOR® • RELIANCE

Product Information Packet

M3560

.5HP,850RPM,3PH,60HZ,56H,3522M,TEFC,F1,N

Part Detail							
Revision:	M	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3522M	Elec. Spec:	35WGN043	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35H876	Layout:	35LYH876
Frame:	56H	Mounting:	F1	Poles:	08	Created Date:	01-25-2011
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	09-19-2016
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L

CAT.NO.	M3560											
SPEC.	35H876N043G1											
HP	.5											
VOLTS	208-230/460											
AMP	2.4-2.5/1.25											
RPM	850											
FRAME	56H				HZ		60			PH		3
SER.F.	1.15			CODE		K	DES		B	CLASS		B
NEMA-NOM-EFF	70			PF		56						
RATING	40C AMB-CONT											
CC					USABLE AT 208V							
DE	6205				ODE		6203					
ENCL	TEFC			SN								

Parts List		
Part Number	Description	Quantity
SA215746	SA 35H876N043G1	1.000 EA
RA202936	RA 35H876N043G1	1.000 EA
35FN3002A05	EXFN, PLASTIC, 6.376 OD, .638 ID	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
35EP3100M02	FREP TEFC 203 BRG W/O GR SR (RAISED FH MT	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35FH4005A32	IEC FH NO GR SR W/3 HOLES - PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 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
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 11/14	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-8762	C FACE KIT	A8
35EP1506A01SP	D-FLANGE KIT	A8

AC Induction Motor Performance Data

Record # 34335 - Typical performance - not guaranteed values

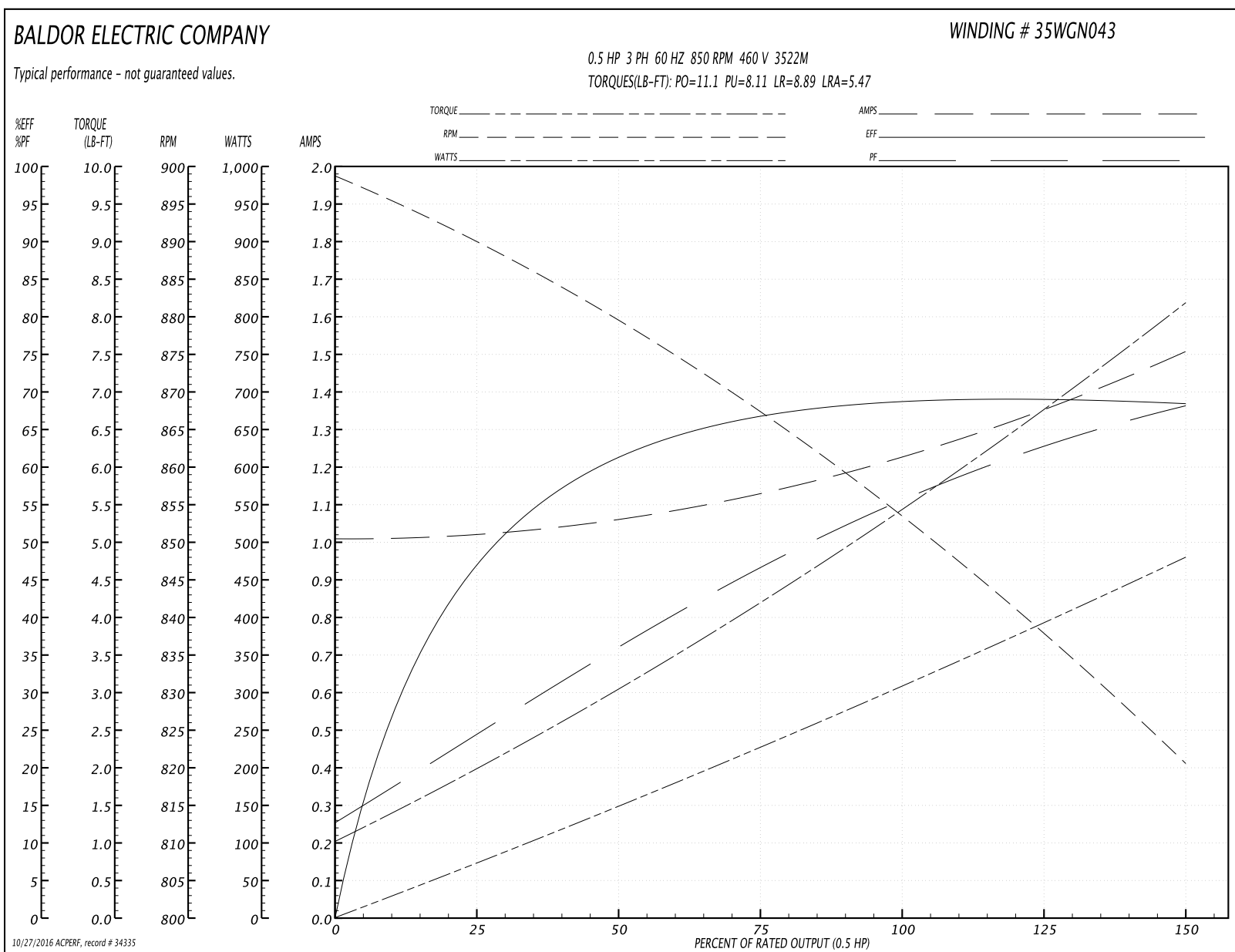
Winding: 35WGN043-R001	Type: 3522M	Enclosure: TEFC
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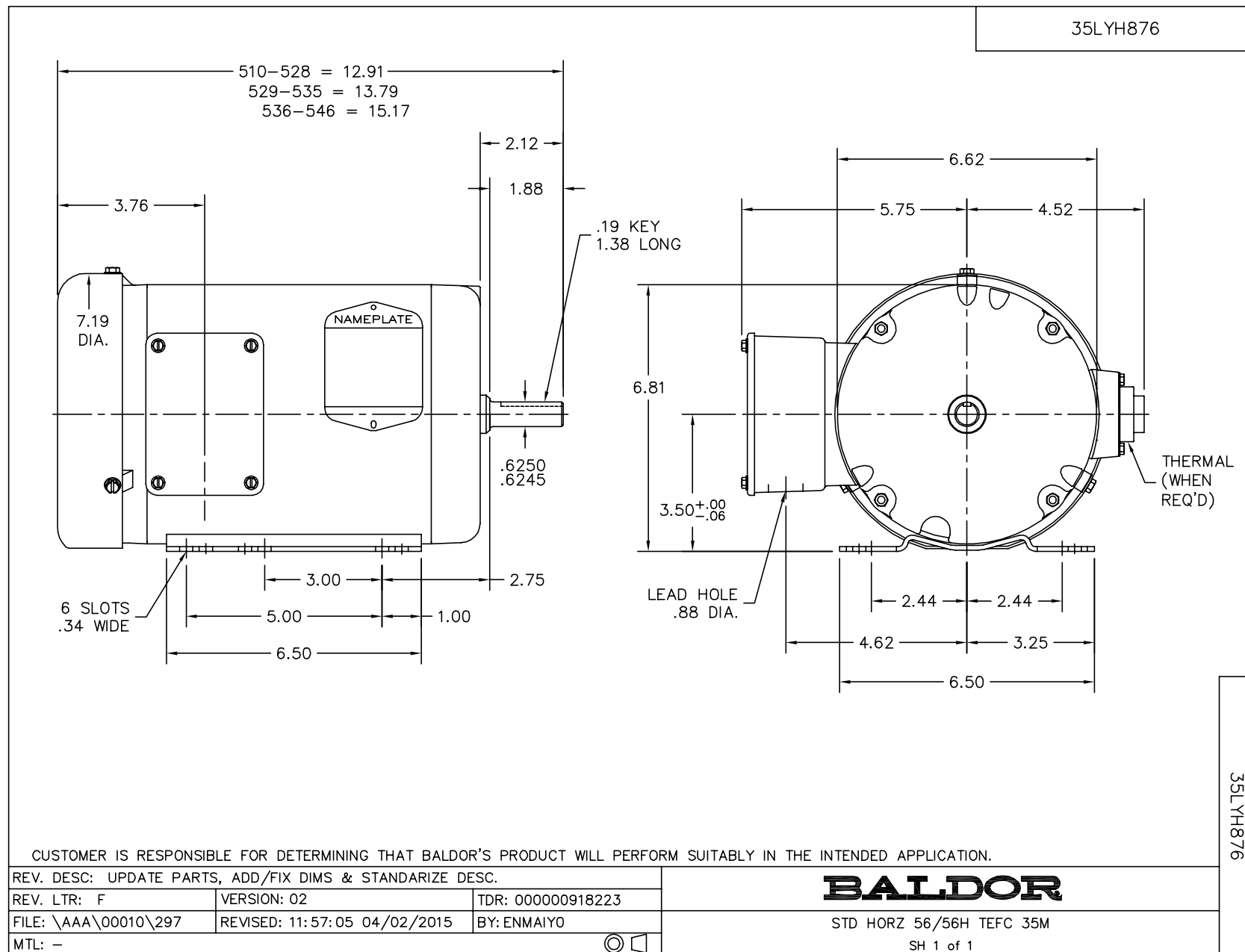
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	3.12 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.4-2.5/1.25			Breakdown Torque	11.1 LB-FT
R.P.M.	850			Pull-up Torque	8.11 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	8.89 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	5.47 A
Service Factor (S.F.)	1.15			No-load Current	1.01 A
NEMA Nom. Eff.	70	Power Factor	56	Line-line Res. @ 25°C	34.566 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	57°C
S.F. Amps				Temp. Rise @ S.F. Load	65°C

Load Characteristics 460 V, 60 Hz, 0.5 HP

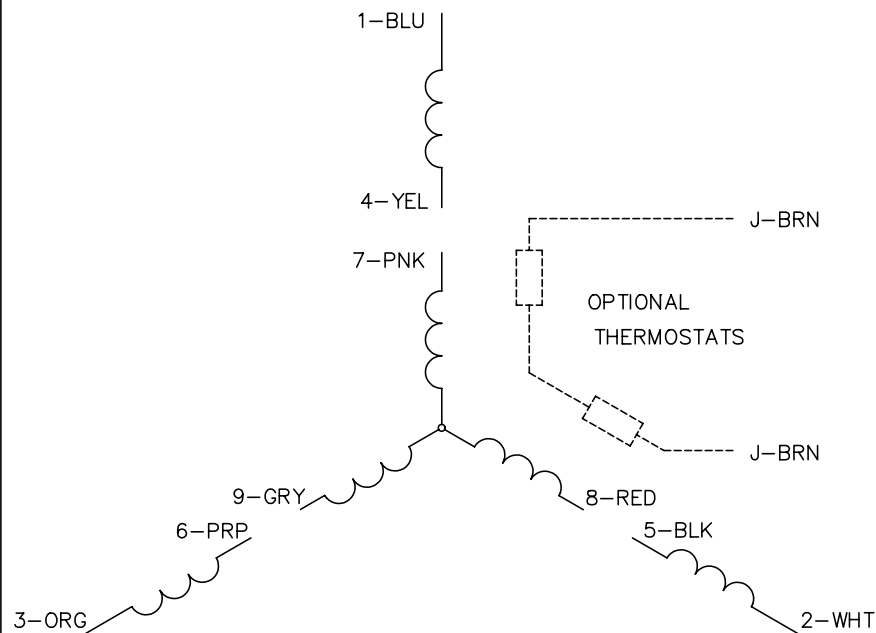
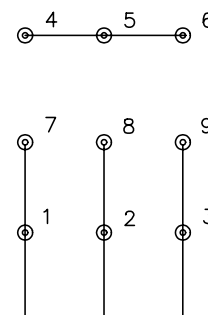
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	25	37	47	56	63	68	60
Efficiency	49.4	63.4	68.5	70.5	70.3	68.8	70.4
Speed	890	878	866.9	853.6	837.9	820.2	844
Line amperes	1.02	1.06	1.14	1.23	1.35	1.51	1.3

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

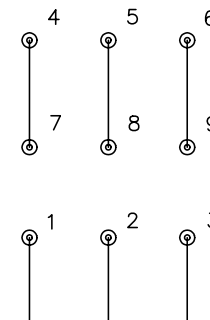




CD0005

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