

BALDOR® • RELIANCE

Product Information Packet

RM3157

2HP,1740RPM,3PH,60HZ,56H,3521M,OPEN,F1,N

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3521M	Elec. Spec:	35WGP803	CD Diagram:	CD0005
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	35F883	Layout:	35LYF883
Frame:	56H	Mounting:	F1	Poles:	04	Created Date:	07-13-2010
Base:	RS	Rotation:	R	Insulation:	B	Eff. Date:	10-24-2014
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	RM3157								
SPEC.	35F883P803G1								
HP	2								
VOLTS	208-230/460								
AMP	6.7-6.14/3.07								
RPM	1740								
FRAME	56H	HZ			60	PH	3		
SER.F.	1.15	CODE			L	DES	B	CLASS	B
NEMA-NOM-EFF	80	PF			75				
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6203	ODE			6203				
ENCL	OPEN	SN							

Parts List		
Part Number	Description	Quantity
SA200149	SA 35F883P803G1	1.000 EA
RA187468	RA 35F883P803G1	1.000 EA
53XT0832G07	8-32X7/16 PN STD SR TY23G X	1.000 EA
LD5000A01	LEAD ASSY, ML1400DF14 W/(2) #10 RING 7"	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	2.000 EA
HW1003A10	WASHER, #10 EX TH LK, ZN X	2.000 EA
35EP3202A01	STD OPEN FR EP - RESILIENT MTD	1.000 EA
RM1000A02SP	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3203A01	STD PU EP, OPEN RESIL MTG	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
RM1000A02SP	CUSHION RING, MODEL 35 SAME AS A07	1.000 EA
HA6005A01	CLAMP, BASE	2.000 EA
12XN1032A18	10-32 X 1 1/4 HEX HD SLTD	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	1.000 EA
35CB4500SP	TERMINAL BOX LID STAMPED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	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

Parts List (continued)		
Part Number	Description	Quantity
SP1003A01	TERM. BOARD, MODE 35 SW X H-23655	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
35BA4002B01	RESILIENT BASE, STAMPED	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005	CONN.DIA.,TY M,9-LD,DUAL VOLT,REVERSING	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
PA1068	PACK GROUP 35 SHORT W OSB BASE	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 26939 - Typical performance - not guaranteed values

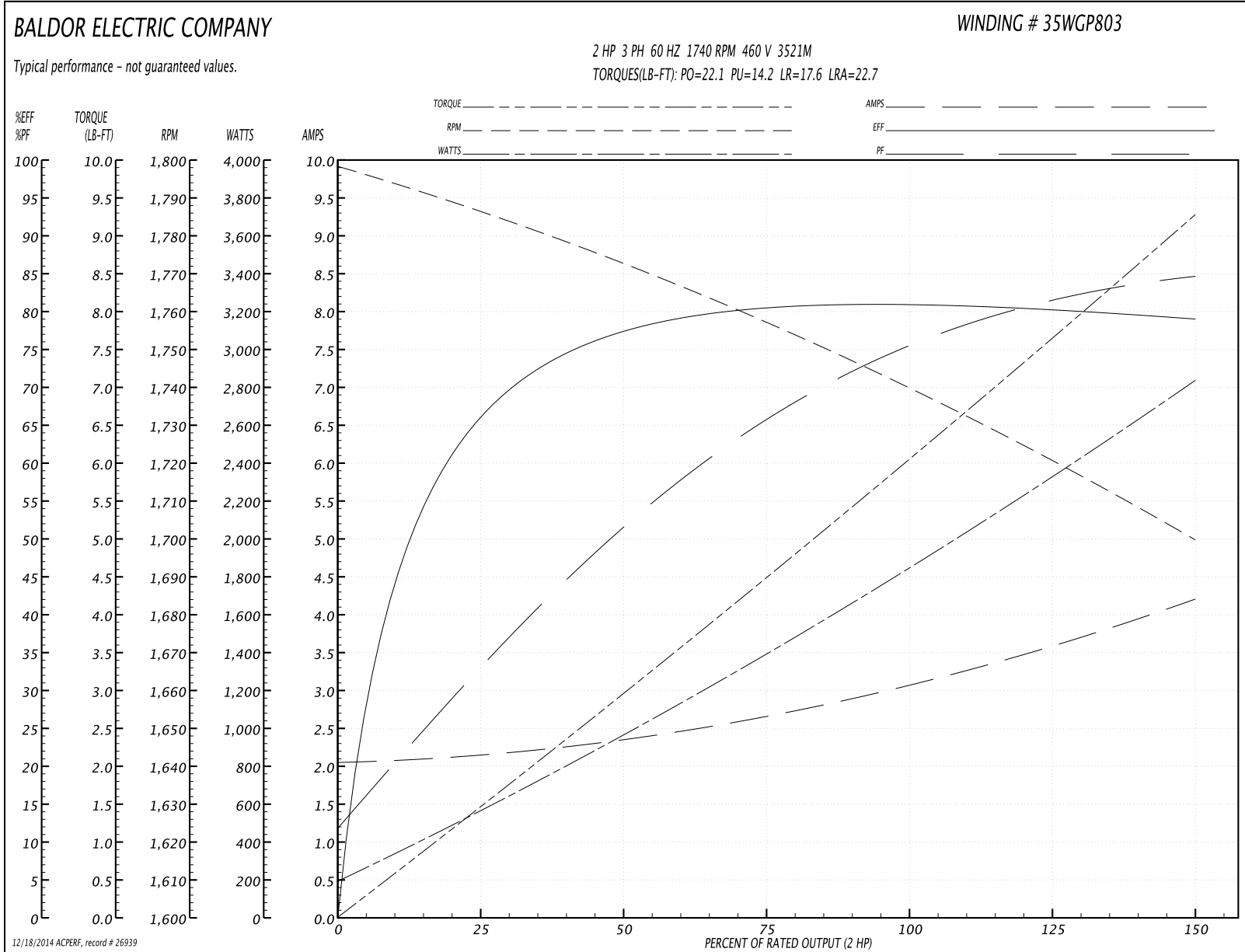
Winding: 35WGP803-R001	Type: 3521M	Enclosure: OPSB
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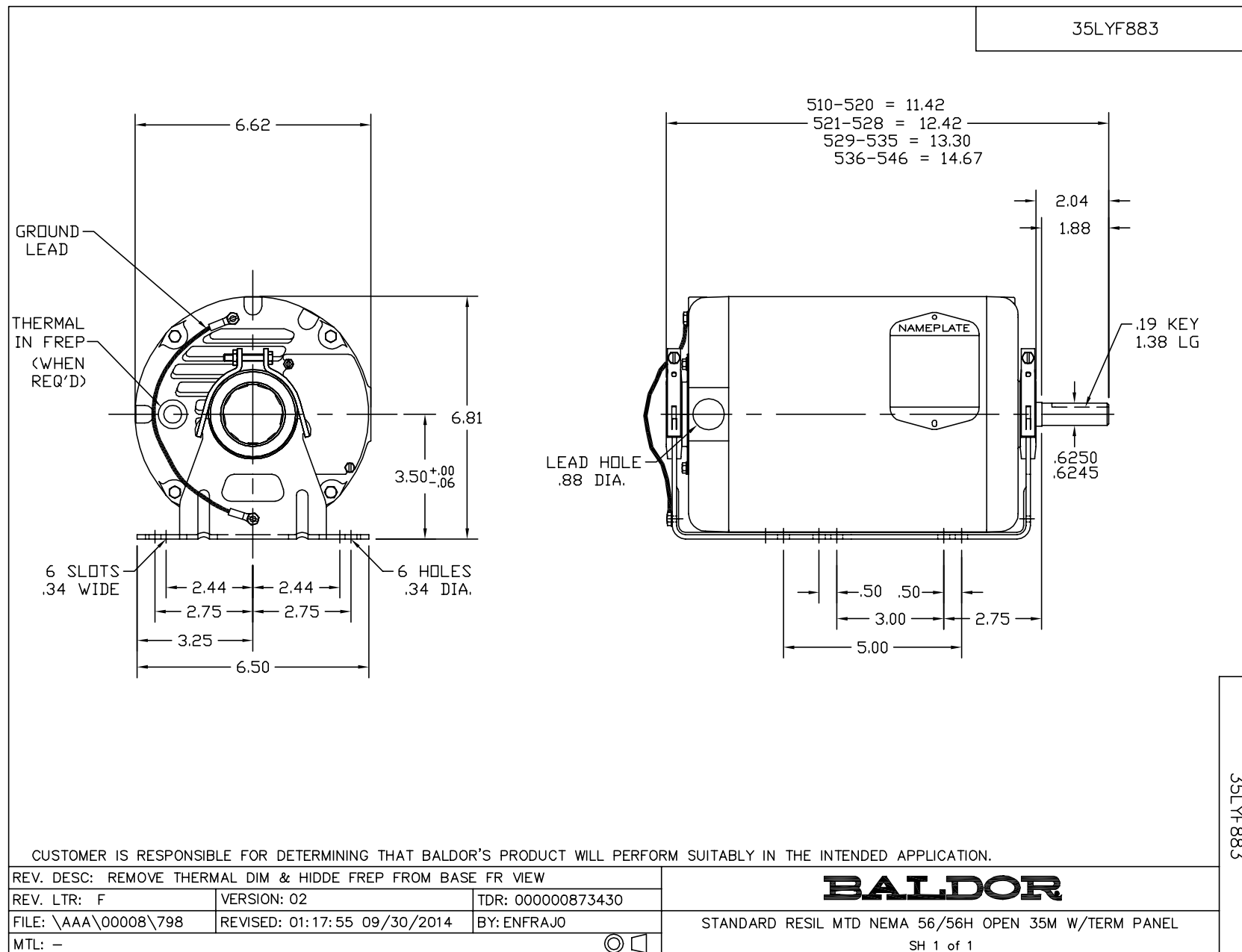
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	6 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.7-6.14/3.07			Breakdown Torque	22.1 LB-FT
R.P.M.	1740			Pull-up Torque	14.2 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.6 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	22.7 A
Service Factor (S.F.)	1.15			No-load Current	2.07 A
NEMA Nom. Eff.	80	Power Factor	75	Line-line Res. @ 25°C	9.6 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	59°C
S.F. Amps				Temp. Rise @ S.F. Load	72°C
				Rotor inertia	0.124 LF ²

Load Characteristics 460 V, 60 Hz, 2 HP

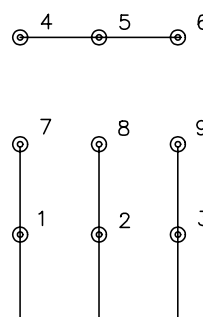
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	52	66	75	81	85	79
Efficiency	65.5	77	80.4	81.2	80.4	78.9	80.7
Speed	1786	1772	1758	1741	1722	1699	1730
Line amperes	2.12	2.34	2.64	3.07	3.59	4.19	3.38

Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

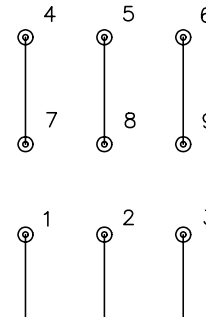




CD0005

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