

BALDOR® • RELIANCE

Product Information Packet

M3212T-8

5HP,3450RPM,3PH,60HZ,182T,3535M,OPSB,F1

Part Detail							
Revision:	F	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3535M	Elec. Spec:	35WGS098	CD Diagram:	CD0006
Enclosure:	OPSB	Mfg Plant:		Mech. Spec:	35L411	Layout:	35LYL411
Frame:	182T	Mounting:	F1	Poles:	02	Created Date:	05-11-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	10-15-2014
Leads:	3#14					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M3212T-8								
SPEC.	35L411S098H1								
HP	5								
VOLTS	200								
AMP	14.2								
RPM	3450								
FRAME	182T	HZ			60	PH		3	
SER.F.	1.15	CODE			J	DES		B	CLASS
NEMA-NOM-EFF	85.5	PF			89				
RATING	40C AMB-CONT								
CC	010A	USABLE AT 208V							
DE	6206	ODE			6203				
ENCL	OPSB	SN							

Parts List		
Part Number	Description	Quantity
SA194687	SA 35L411S098H1	1.000 EA
RA182273	RA 35L411S098H1	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB CASTING W/1.09 DIA. LEAD HOLE @ 6:	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
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
35EP3201A01	STD FR ENDPLATE-OPEN-203 BRG W/GREASER	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
35EP3207A01	PU ENDPLATE, MACH	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
35CB4521	35 LIPPED CB LID (GALV & PHOSPH)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A24	THRUBOLT 10-32 X 10.625	4.000 EA
35AD2005A01	BAFFLE PLATE,MOD 35-SLTD BAND MTRS GL.F.	2.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

Accessories		
Part Number	Description	Multiplier
35-1409	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 8921 - Typical performance - not guaranteed values

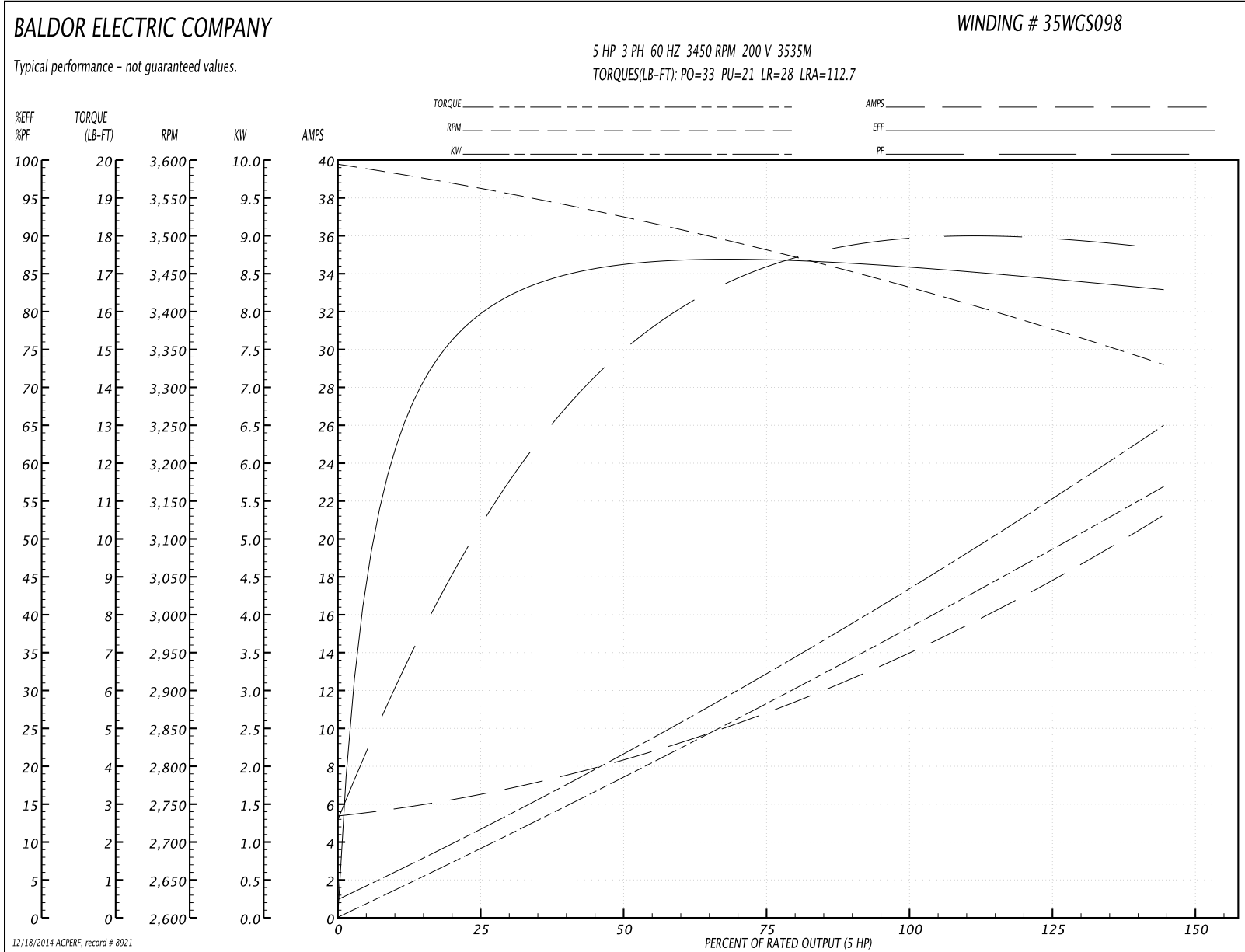
Winding: 35WGS098-R001	Type: 3535M	Enclosure: OPSB
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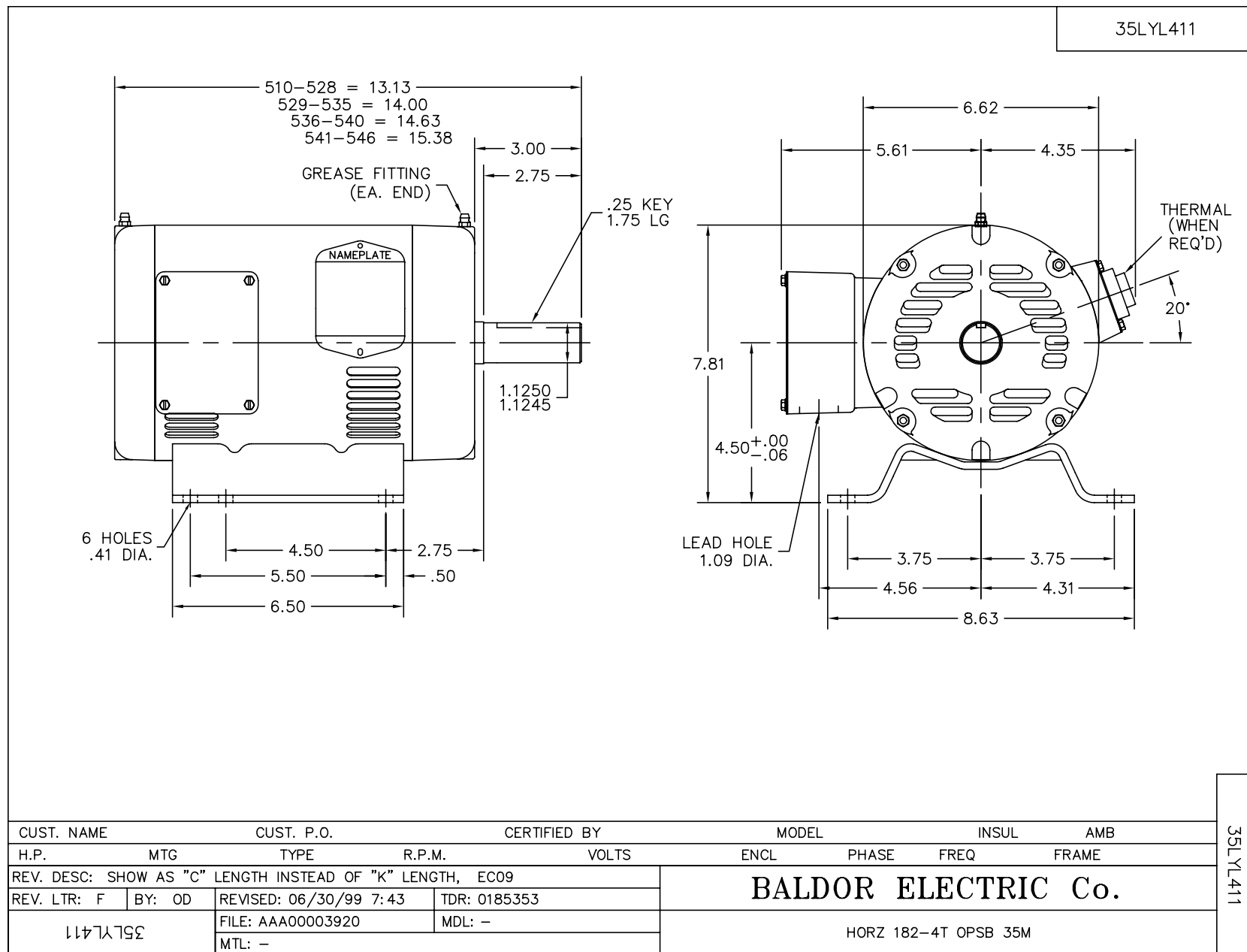
Nameplate Data				200 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	5			Full Load Torque	7.6 LB-FT
Volts	200			Start Configuration	direct on line
Full Load Amps	14.2			Breakdown Torque	33 LB-FT
R.P.M.	3450			Pull-up Torque	21 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	28 LB-FT
NEMA Design Code	B	KVA Code	J	Starting Current	112.7 A
Service Factor (S.F.)	1.15			No-load Current	5.5 A
NEMA Nom. Eff.	85.5	Power Factor	89	Line-line Res. @ 25°C	0.613 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	53°C
S.F. Amps				Temp. Rise @ S.F. Load	71°C
				Rotor inertia	0.0959 LF ²

Load Characteristics 200 V, 60 Hz, 5 HP

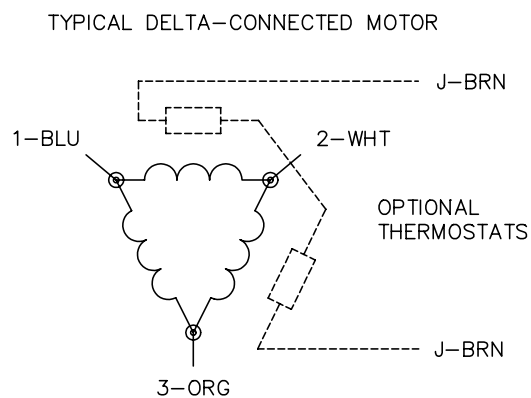
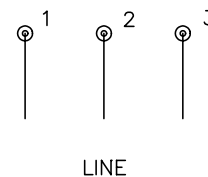
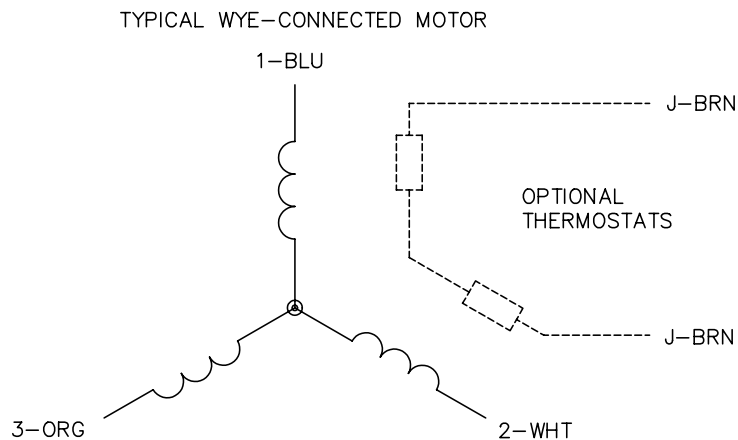
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	77	85	89	89	89	89
Efficiency	79.4	85.8	86.8	86.2	84.7	82.7	85.3
Speed	3560	3522	3480	3435	3385	3328	3405
Line amperes	6.4	8.3	11	14	17.4	21.2	16.04

Performance Graph at 200V, 60Hz, 5.0HP Typical performance - Not guaranteed values





CD0006



NOTES:

1. THREE LEAD MOTOR MAY BE EITHER WYE CONNECTED OR DELTA CONNECTED.
2. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
3. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
4. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
5. LEAD COLORS ARE OPTIONAL. LEADS MUST BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS

REV. LTR: D

BY: JLP

REVISED: 01/21/99 4:02

TDR: 0171435

9000D

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, SV, 3 LEADS, WYE OR DELTA CONNECTED

CD0006