

BALDOR® • RELIANCE

Product Information Packet

VM3559-5

3HP,3450RPM,3PH,60HZ,56C,3528M,TEFC,F1

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3528M	Elec. Spec:	35WGT136	CD Diagram:	CD0006
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35A013	Layout:	35LYA013
Frame:	56C	Mounting:	F1	Poles:	02	Created Date:	06-21-2007
Base:	N	Rotation:	R	Insulation:	F	Eff. Date:	12-02-2014
Leads:	3#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L										
CAT.NO.	VM3559-5									
SPEC.	35A013T136									
HP	3									
VOLTS	575									
AMP	3									
RPM	3450									
FRAME	56C	HZ			60	PH		3		
SER.F.	1.15	CODE			K	DES		B	CLASS	F
NEMA-NOM-EFF	82.5	PF			89					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6205	ODE			6203					
ENCL	TEFC	SN								

Parts List		
Part Number	Description	Quantity
SA022915	SA 35A013T136	1.000 EA
RA018965	RA 35A013T136	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3007	35 CB CASTING W/.88 DIA. LEAD HOLE	1.000 EA
36GS1000SP	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 GRSR (RAISED FH MT	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
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
35FH4005A32SP	IEC FH NO GRSR W/3 HOLES - W/AUTOPHERETI	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
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
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY	0.017 GA
HA3100A15	THRUBOLT 10-32 X 8.375	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LC0006	CONNECTION LABEL	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
NP1256L	ALUM UL CSA CC	1.000 EA
36PA1000	PACK GROUP W/LB5001	1.000 EA
PK3082	STYROFOAM CRADLE	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 9268 - Typical performance - not guaranteed values

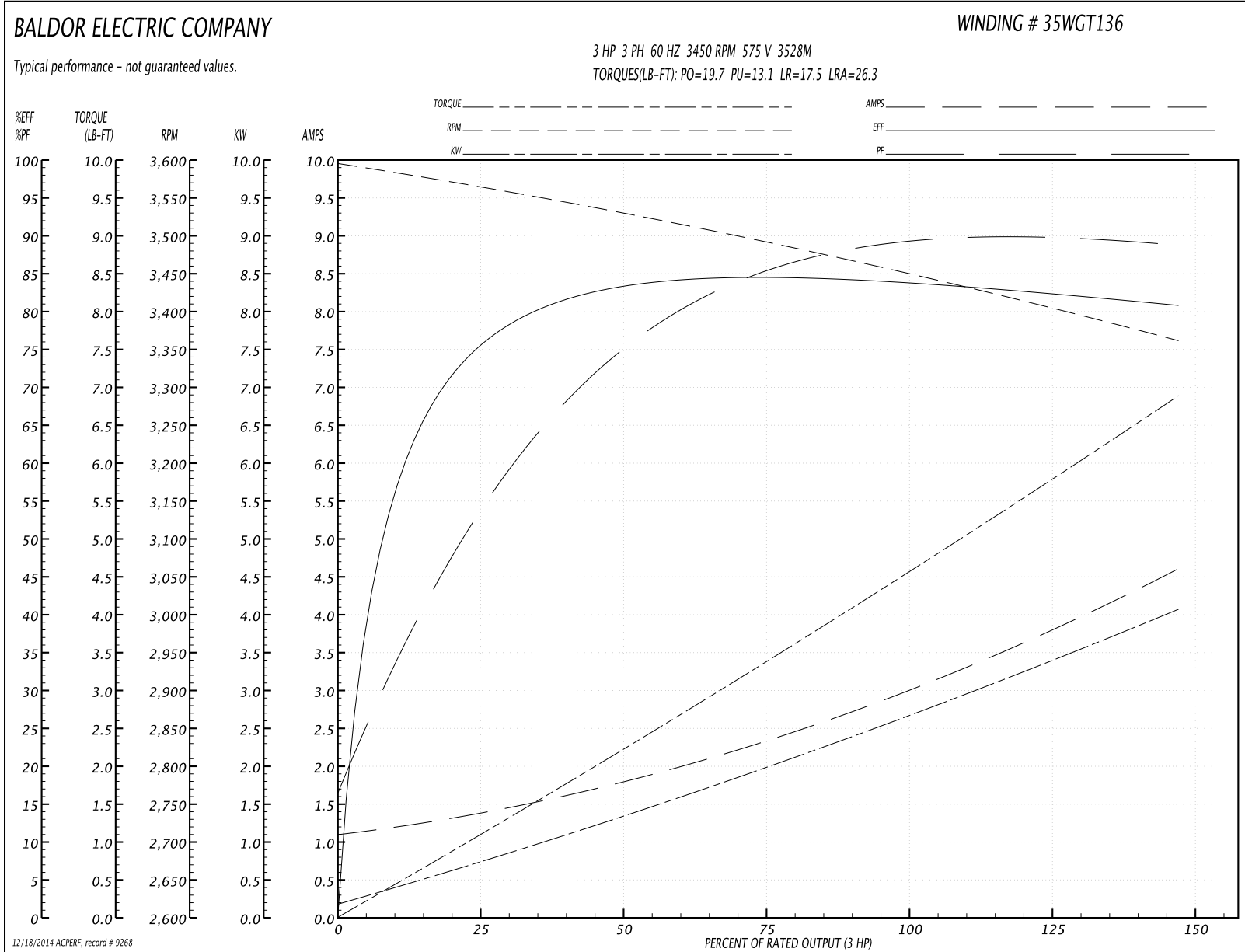
Winding: 35WGT136-R001	Type: 3528M	Enclosure: TEFC
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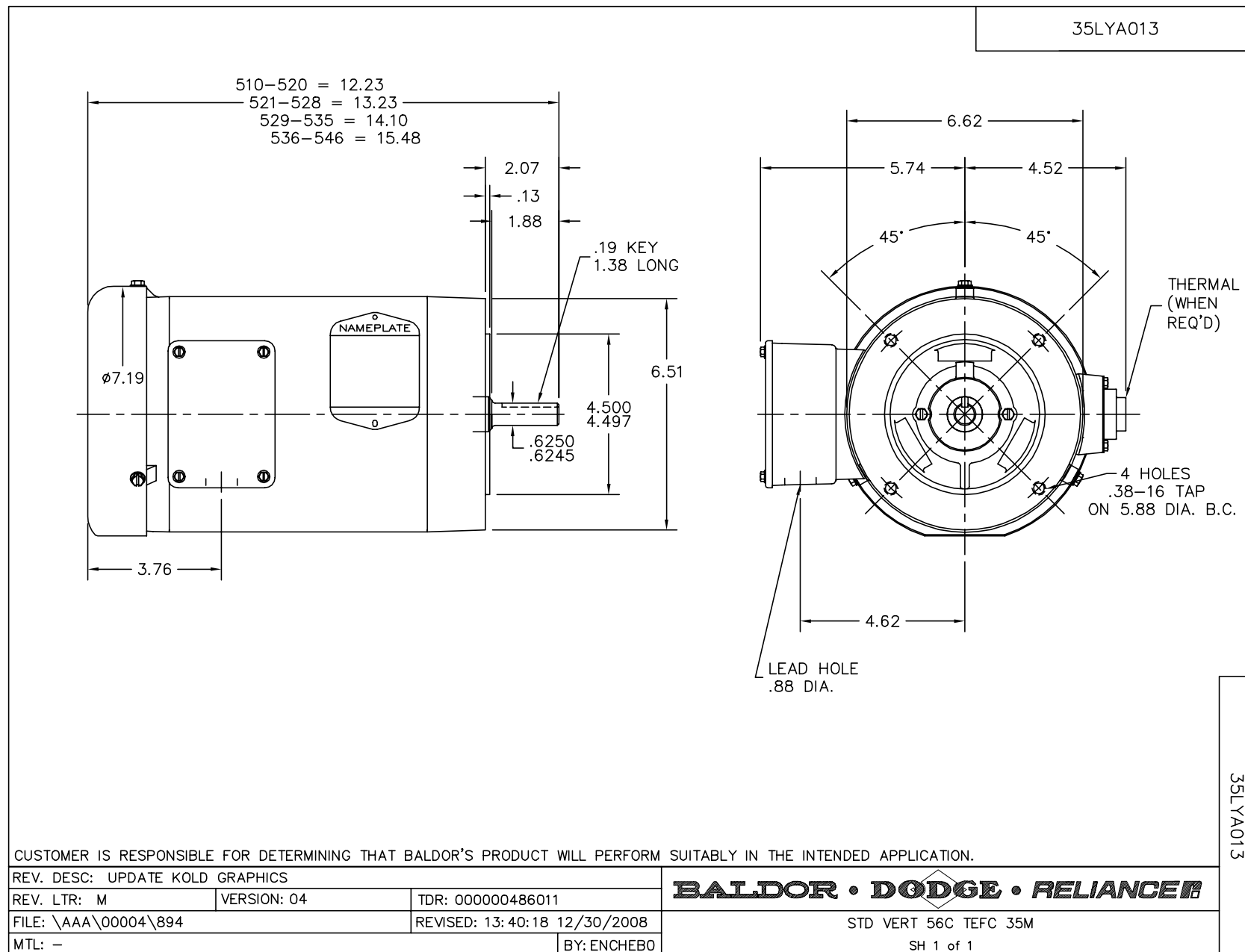
Nameplate Data				575 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	3			Full Load Torque	4.6 LB-FT
Volts	575			Start Configuration	direct on line
Full Load Amps	3			Breakdown Torque	19.7 LB-FT
R.P.M.	3450			Pull-up Torque	13.1 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	17.5 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	26.3 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	82.5	Power Factor	89	Line-line Res. @ 25°C	8.04 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	68°C
S.F. Amps				Temp. Rise @ S.F. Load	82°C
				Rotor inertia	0.0774 LF ²

Load Characteristics 575 V, 60 Hz, 3 HP

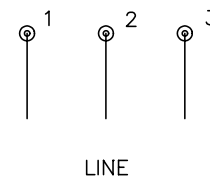
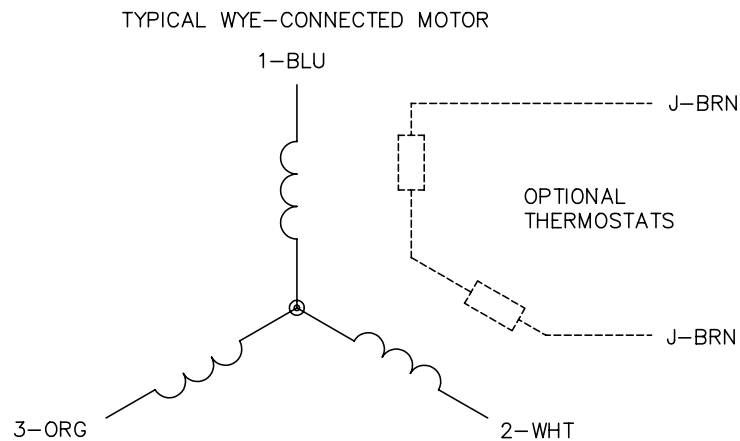
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	55	74	83	87	88	88	88
Efficiency	76	83	84.3	84	82.7	80.6	83.2
Speed	3559	3525	3490	3452	3409	3358	3426
Line amperes	1.4	1.8	2.4	3	3.8	4.6	3.5

Performance Graph at 575V, 60Hz, 3.0HP 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

900000

FILE: AAA00005141

MDL: -

MTL: -

BALDOR ELECTRIC Co.

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

CD0006