

BALDOR® • RELIANCE

Product Information Packet

M3565

.75HP,1735RPM,3PH,60HZ,66,3513M,TEFC,F1

Part Detail							
Revision:	K	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3513M	Elec. Spec:	35WGP670	CD Diagram:	CD0005
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:	35E029	Layout:	35LYE029
Frame:	66	Mounting:	F1	Poles:	04	Created Date:	10-14-2008
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	08-29-2012
Leads:	9#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1256L									
CAT.NO.	M3565								
SPEC.	35E029P670								
HP	.75								
VOLTS	208-230/460								
AMP	2.5-2.6/1.3								
RPM	1735								
FRAME	66	HZ		60	PH		3		
SER.F.	1.25	CODE		K	DES		B	CLASS	B
NEMA-NOM-EFF	75.5	PF		68					
RATING	40C AMB-CONT								
CC		USABLE AT 208V							
DE	6205	ODE		6203					
ENCL	TEFC	SN							
	SFA 2.8-2.9/1.45								

Parts List		
Part Number	Description	Quantity
SA176176	SA 35E029P670	1.000 EA
RA164257	RA 35E029P670	1.000 EA
35FN3002A05SP	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
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
35EP3101A02SP	STD PU ENDPLATE-ENCL-205 BRG LESS GREASE	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	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
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
HA3100A18	THRUBOLT 10-32 X 9.250	4.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC	1.000 EA
35PA1066	PACKING GROUP COMBINED PRINT	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

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

AC Induction Motor Performance Data

Record # 39528 - Typical performance - not guaranteed values

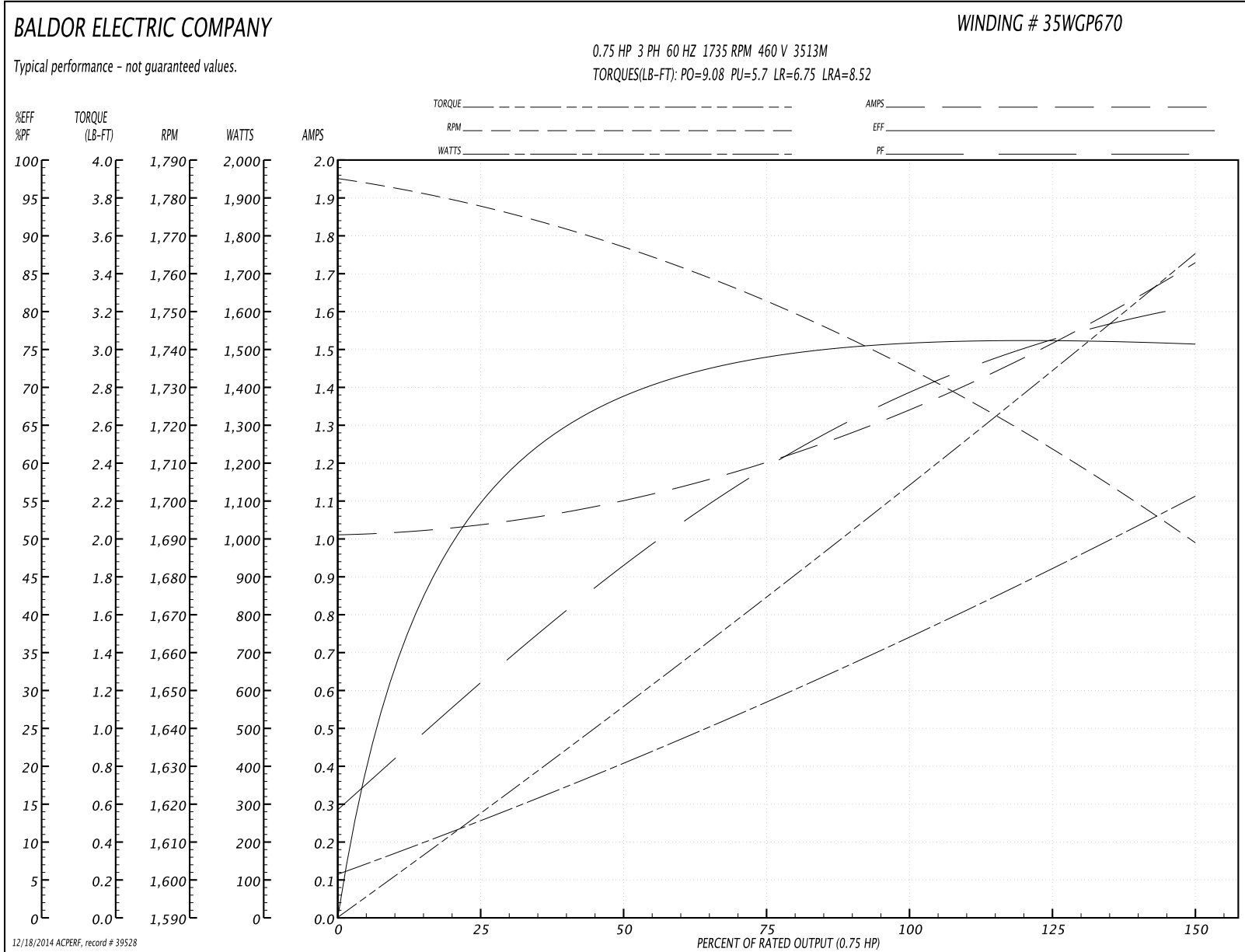
Winding: 35WGP670-R001	Type: 3513M	Enclosure: TEFC
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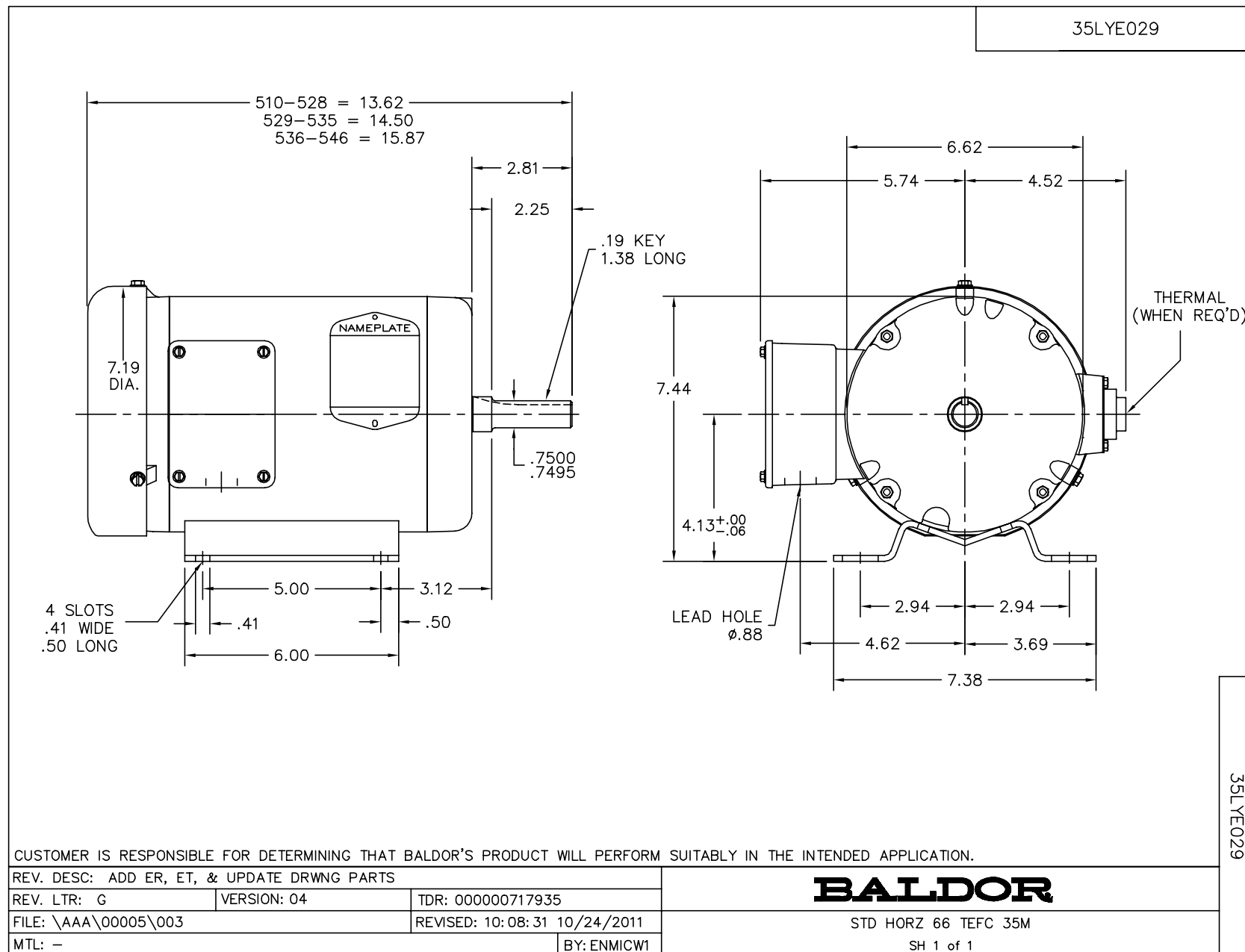
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	2.28 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	2.5-2.6/1.3			Breakdown Torque	9.08 LB-FT
R.P.M.	1735			Pull-up Torque	5.7 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	6.75 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	8.52 A
Service Factor (S.F.)	1.25			No-load Current	1.02 A
NEMA Nom. Eff.	75.5	Power Factor	68	Line-line Res. @ 25°C	26.8 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	55°C
S.F. Amps	2.8-2.9/1.45			Temp. Rise @ S.F. Load	64°C
				Rotor inertia	0.0768 LF ²

Load Characteristics 460 V, 60 Hz, 0.75 HP

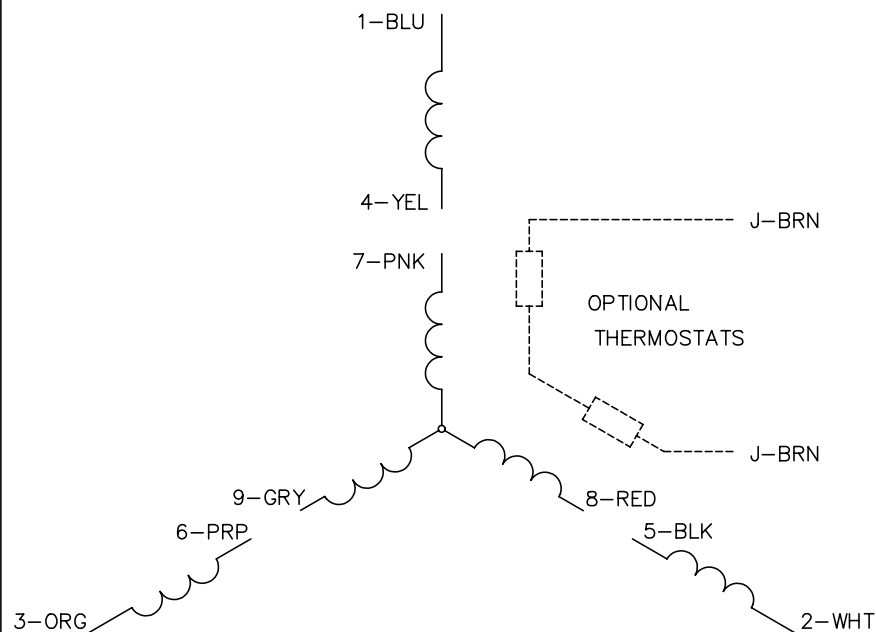
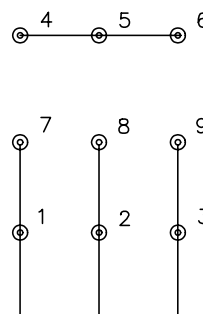
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	47	60	69	75	81	75
Efficiency	55	68.9	74	75.9	76.5	75.6	76.5
Speed	1783	1767	1750	1734	1714	1690	1714
Line amperes	1.03	1.09	1.21	1.35	1.52	1.72	1.52

Performance Graph at 460V, 60Hz, 0.75HP Typical performance - Not guaranteed values

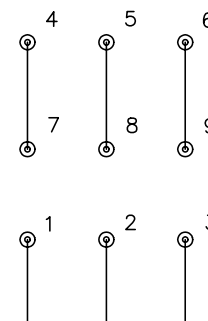




CD0005

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

9000D0

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005