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Expert team | Trust guarantee | 100% satisfaction

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Find the *ABB / Baldor / Reliance M3609* at our website: *Click HERE*

BALDOR • RELIANCE

Product Information Packet

M3609

2HP,1750RPM,3PH,60HZ,184,3524M,TEFC,F1,N

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Part Detail

Revision:	B	**Status:**	INA/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGN917	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	35L108	**Layout:**	35LYL108	**Poles:**	04	**Created Date:**	02-03-2014
Base:	RG	**Eff. Date:**	03-08-2016	**Leads:**	9#18		

Specs

Catalog Number:	M3609	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	F
Frame:	184	**Inverter Code:**	Not Inverter
Frame Material:	Steel	**KVA Code:**	L
Output @ Frequency:	2.000 HP @ 60 HZ	**Lifting Lugs:**	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Voltage @ Frequency:	208.0 V @ 60 HZ	**Motor Lead Quantity/Wire Size:**	9 @ 18 AWG
	230.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	460.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
XP Class and Group:	None	**Motor Type:**	3524M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	UR	**Power Factor:**	72
	CSA	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	Standard
Base Indicator:	RG	**Pulley Shaft Indicator:**	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	**Rodent Screen:**	None
Blower:	None	**Shaft Extension Location:**	Pulley End

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Current @ Voltage:	3.100 A @ 460.0 V
	6.200 A @ 230.0 V
	6.700 A @ 208.0 V
Design Code:	B
Drip Cover:	No Drip Cover
Duty Rating:	CONT
Electrically Isolated Bearing:	Not Electrically Isolated
Feedback Device:	NO FEEDBACK
Front Face Code:	Standard
Front Shaft Indicator:	None

Shaft Ground Indicator:	No Shaft Grounding
Shaft Rotation:	Reversible
Shaft Slinger Indicator:	No Slinger
Speed Code:	Single Speed
Motor Standards:	NEMA
Starting Method:	Direct on line
Thermal Device - Bearing:	None
Thermal Device - Winding:	None
Vibration Sensor Indicator:	No Vibration Sensor
Winding Thermal 1:	None
Winding Thermal 2:	None

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Nameplate NP1256L

CAT.NO.	M3609								
SPEC.	35L108N917H1								
HP	2								
VOLTS	208-230/460								
AMP	6.7-6.2/3.1								
RPM	1750								
FRAME	184		**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	L	**DES**	B		**CLASS**	F	
NEMA-NOM-EFF	84	**PF**	72						
RATING	40C AMB-CONT								
CC	010A					**USABLE AT 208V**			
DE	6206		**ODE**	6203					
ENCL	TEFC	**SN**							

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Parts List

Part Number	Description	Quantity
SA276124	SA 35L108N917H1	1.000 EA
RA262689	RA 35L108N917H1	1.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
35CB3009	35 CB W/1.09 DIA. LEAD HOLE @ 6:	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
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
35FE3100M01	FREP TEFC ASSEMBLY FOR ROUTING	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
35EP3113A01	PU ENDPLATE, MACH W/206 BRG	1.000 EA
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
35FH4005A84SP	IEC FH W/GRSR, NO DIMPLES 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
HA7000A01	KEY RETAINER 7/8" DIA SHAFT	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB

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Parts List (continued)

Part Number	Description	Quantity
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.017 GA
HA3100A20	THRUBOLT 10-32 X 9.812	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1100/bx) 11/14	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1008A06	1.000 EA

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AC Induction Motor Performance Data

Record # 44492 - Typical performance - not guaranteed values

Winding: 35WGN917-R001	**Type:** 3524M	**Enclosure:** TEFC

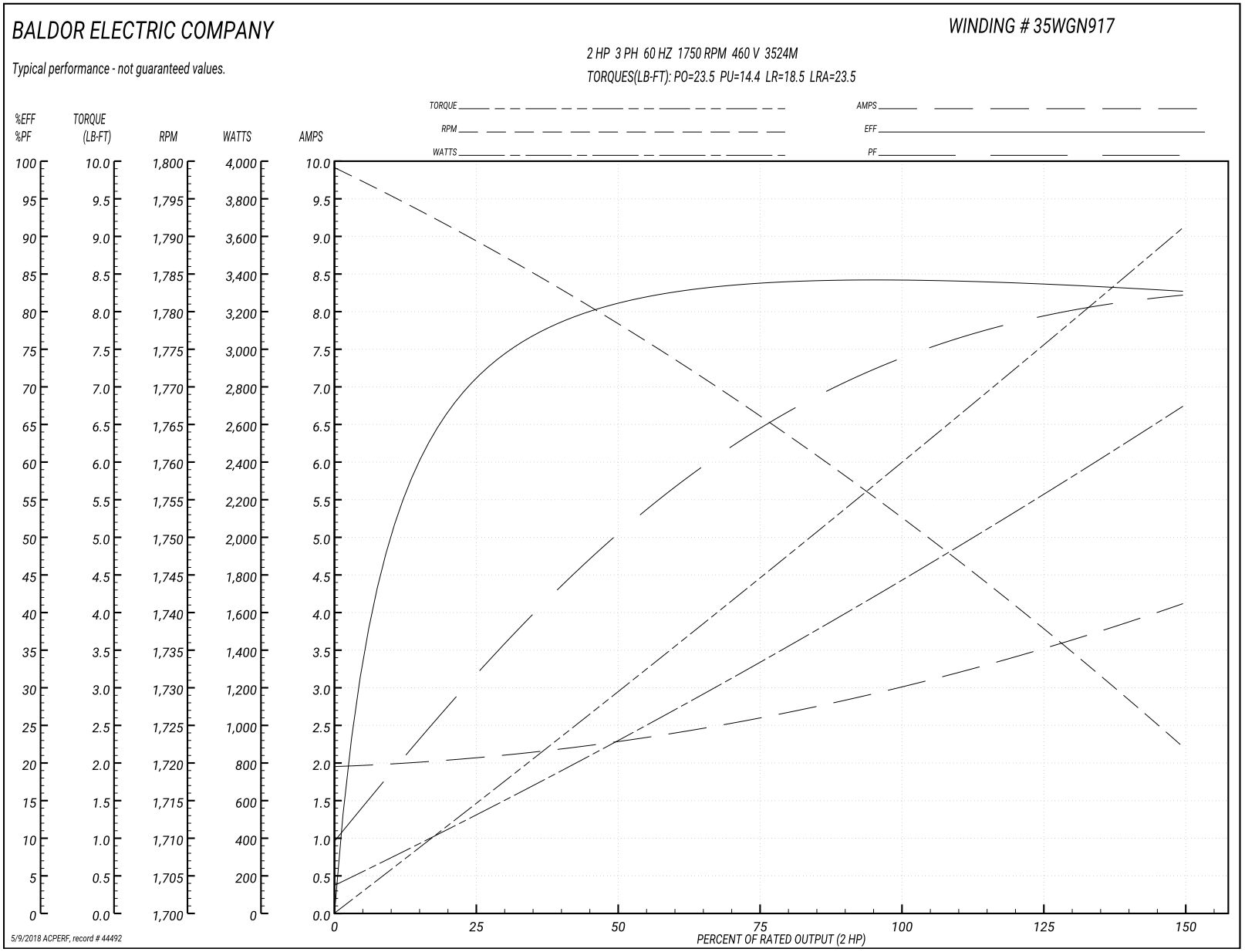
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	2			Full Load Torque	5.99 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	6.7-6.2/3.1			Breakdown Torque	23.5 LB-FT
R.P.M.	1750			Pull-up Torque	14.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	18.5 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	23.5 A
Service Factor (S.F.)	1.15			No-load Current	1.97 A
NEMA Nom. Eff.	84	Power Factor	72	Line-line Res. @ 25ºC	7.97 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	72°C
S.F. Amps				Temp. Rise @ S.F. Load	84°C
				Locked-rotor Power Factor	53
				Rotor inertia	0.142 LB-FT2

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	32	51	64	73	79	83	77
Efficiency	70.8	80.7	83.7	84.3	83.9	82.6	84.1
Speed	1790	1778	1766	1753	1738	1722	1744
Line amperes	2.05	2.26	2.61	3.03	3.52	4.11	3.32

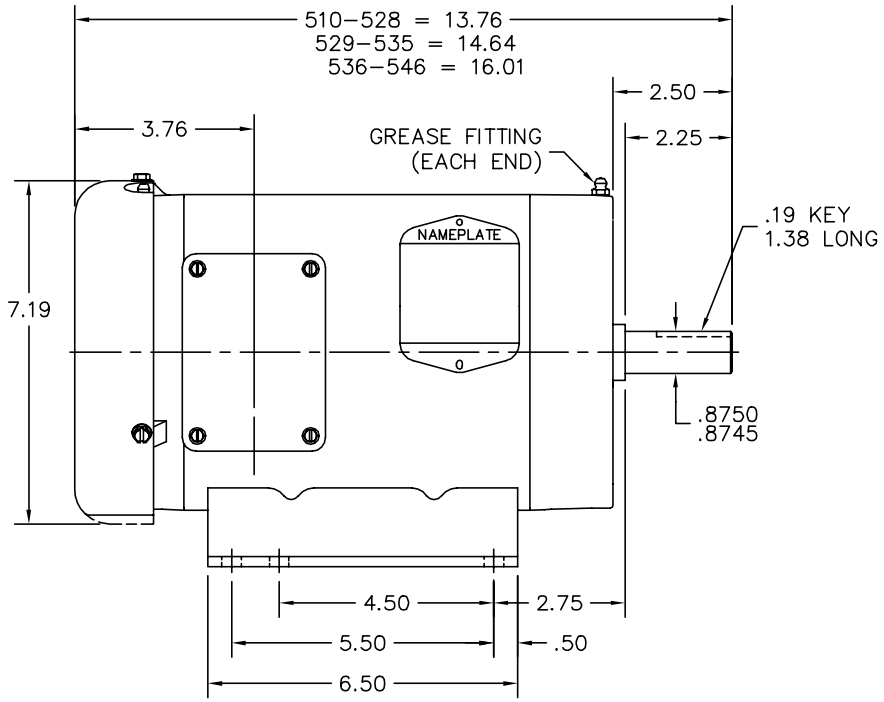
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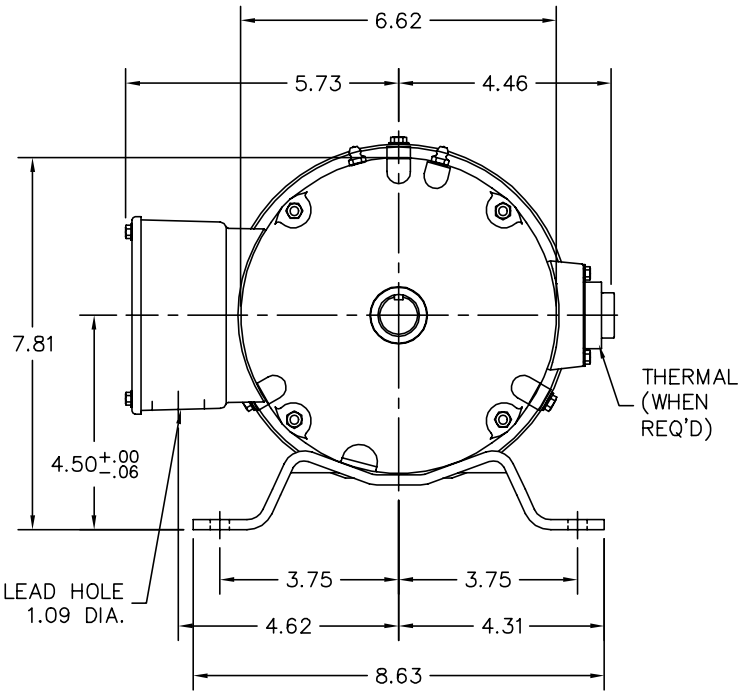
Performance Graph at 460V, 60Hz, 2.0HP Typical performance - Not guaranteed values

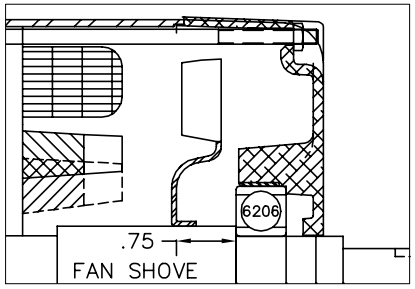


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35LYL108







PULLEY END SECTION

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE PARTS TO MATCH WITH MECH BOM		
REV. LTR: G	VERSION: 01	TDR: 000000893534
FILE: \AAA\00013\542	REVISED: 02:04:16 02/23/2015	BY: ENMAIYO
MTL: –		

BALDOR

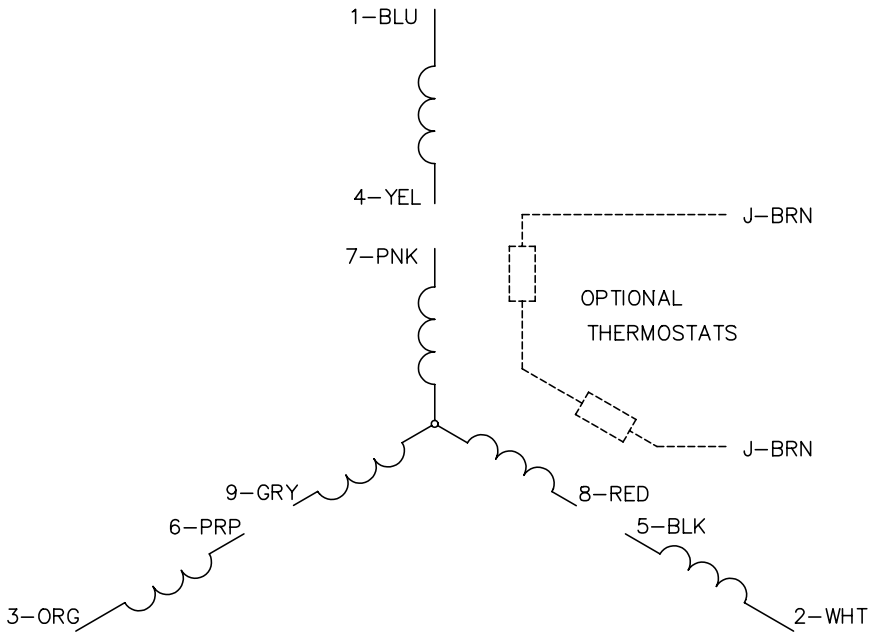
STD HORZ 182–4 TEFC 35M

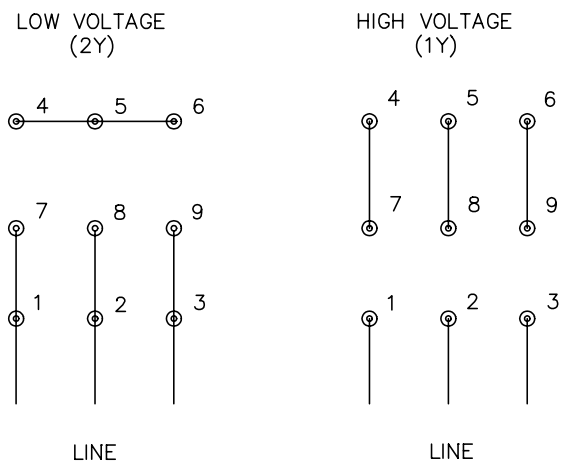
SH 1 of 1

35LYL108

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CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS

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