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BALDOR • RELIANCE

Product Information Packet

CM3543

.75HP,1140RPM,3PH,60HZ,56C,3428M,TEFC,F1

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Part Detail

Revision:	X	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	34WGW012	**CD Diagram:**	CD0005	**Mfg Plant:**	
Mech. Spec:	34A062	**Layout:**	34LYA062	**Poles:**	06	**Created Date:**	
Base:	RG	**Eff. Date:**	10-30-2018	**Leads:**	9#18		

Specs

Catalog Number:	CM3543	**Heater Indicator:**	No Heater
Enclosure:	TEFC	**Insulation Class:**	B
Frame:	56C	**Inverter Code:**	Not Inverter
Frame Material:	Steel	**KVA Code:**	K
Output @ Frequency:	.750 HP @ 60 HZ	**Lifting Lugs:**	No Lifting Lugs
Synchronous Speed @ Frequency:	1200 RPM @ 60 HZ	**Locked Bearing Indicator:**	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:**	3428M
XP Division:	Not Applicable	**Mounting Arrangement:**	F1
Agency Approvals:	UR	**Power Factor:**	59
	CSA	**Product Family:**	General Purpose
Auxillary Box:	No Auxillary Box	**Pulley End Bearing Type:**	Ball
Auxillary Box Lead Termination:	None	**Pulley Face Code:**	C-Face
Base Indicator:	Rigid	**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:	1.500 A @ 460.0 V
	3.000 A @ 230.0 V
	3.300 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 (OLD)
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.	CM3543							
SPEC.	34A62W12							
HP	.75							
VOLTS	208-230/460							
AMP	3.3-3/1.5							
RPM	1140							
FRAME	56C	**HZ**	60			**PH**	3	
SER.F.	1.15	**CODE**	K	**DES**	B	**CLASS**	B	
NEMA-NOM-EFF	77	**PF**	59					
RATING	40C AMB-CONT							
CC						**USABLE AT 208V**	3.3	
DE	6203			**ODE**	6203			
ENCL	TEFC	**SN**						
	SFA 3.5-3.2/1.6							

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Parts List

Part Number	Description	Quantity
SA009843	SA 34A62W12	1.000 EA
RA006288	RA 34A62W12	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	1.000 EA
34GS1029A01	GASKET, CONDUIT BOX	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
34EP3102A01SP	FR ENDPLATE, MACH	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3300A24SP	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
34GS1031A01	GASKET, FLAT CONDUIT BOX LID (LEXIDE)	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
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A45	THRUBOLT 10-32 X 8.875	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA

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Parts List (continued)

Part Number	Description	Quantity
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1000	PKG GRP, PRINT PK1008A06	1.000 EA

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AC Induction Motor Performance Data

Record # 6846 - Typical performance - not guaranteed values

Winding: 34WGW012-R001	**Type:** 3428M	**Enclosure:** TEFC

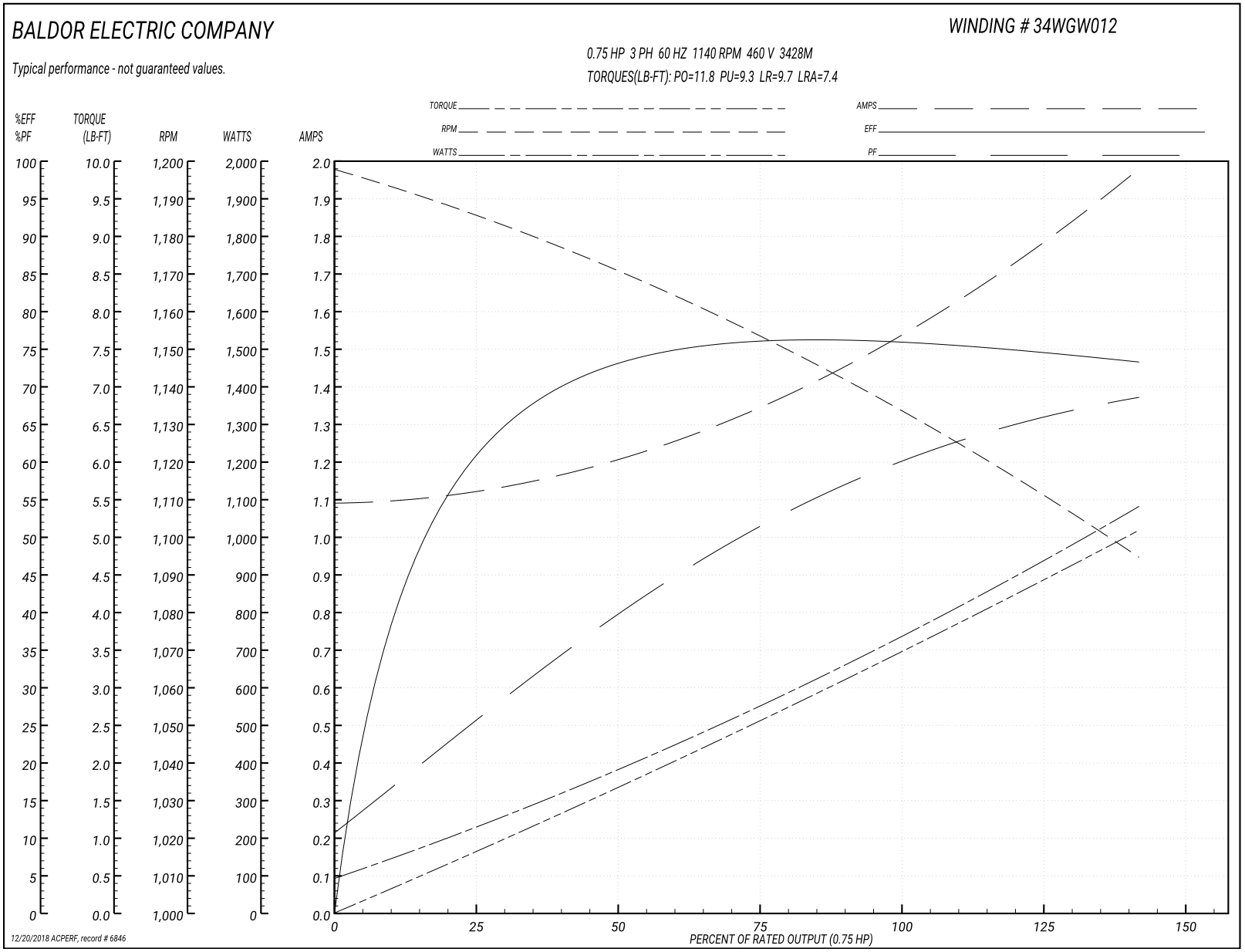
Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.75			Full Load Torque	3.4 LB-FT
Volts	208-230/460			Start Configuration	direct on line
Full Load Amps	3.3-3/1.5			Breakdown Torque	11.8 LB-FT
R.P.M.	1140			Pull-up Torque	9.3 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	9.7 LB-FT
NEMA Design Code	B	KVA Code	K	Starting Current	7.4 A
Service Factor (S.F.)	1.15			No-load Current	1.1 A
NEMA Nom. Eff.	77	Power Factor	59	Line-line Res. @ 25ºC	21.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	62°C
S.F. Amps	3.5-3.2/1.6			Temp. Rise @ S.F. Load	75°C

Load Characteristics 460 V, 60 Hz, 0.75 HP

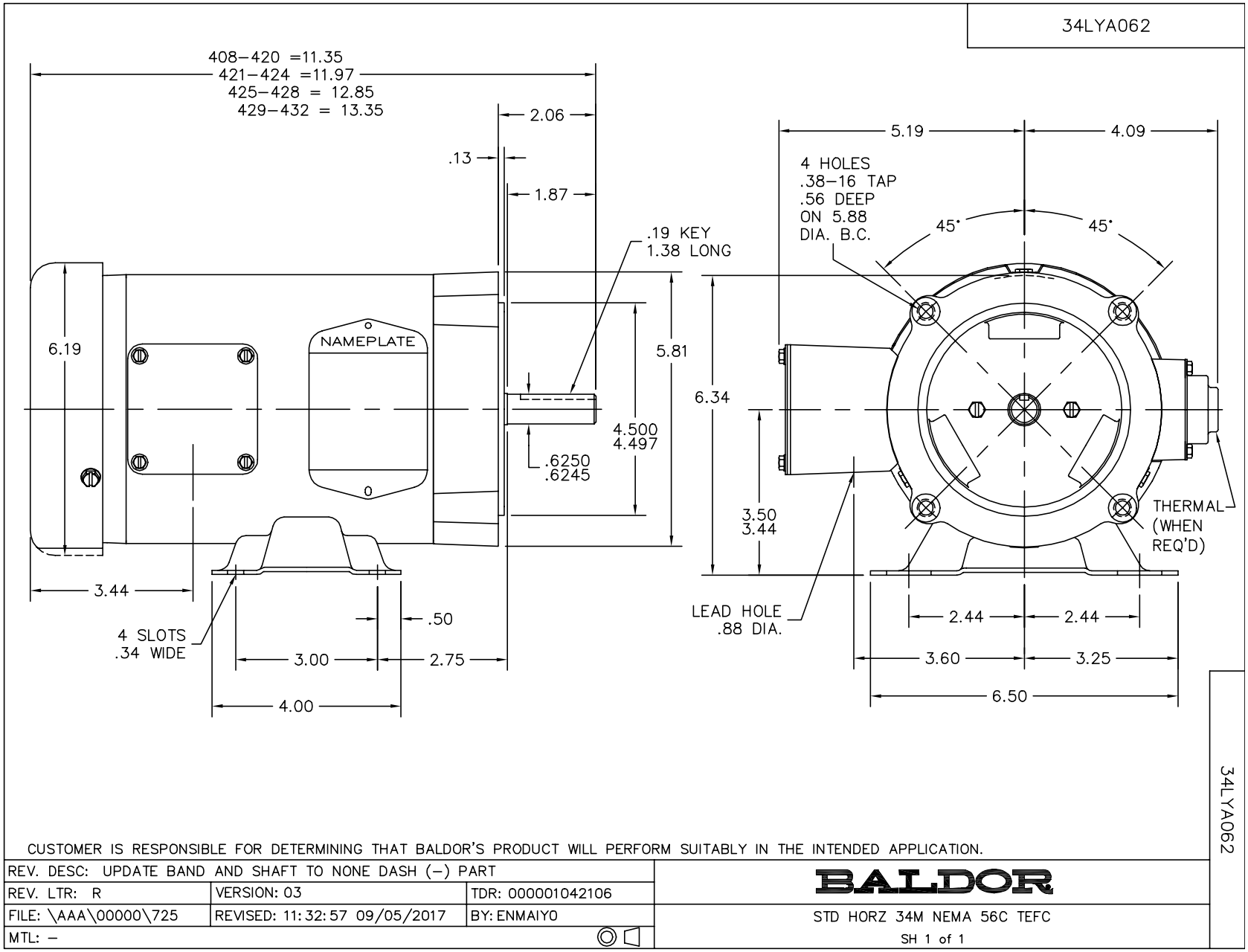
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	26	40	51	59	65	68	63
Efficiency	60	72	76	77	75	73	76
Speed	1185	1170	1155	1135	1115	1095	1125
Line amperes	1.1	1.2	1.4	1.5	1.7	2	1.6

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

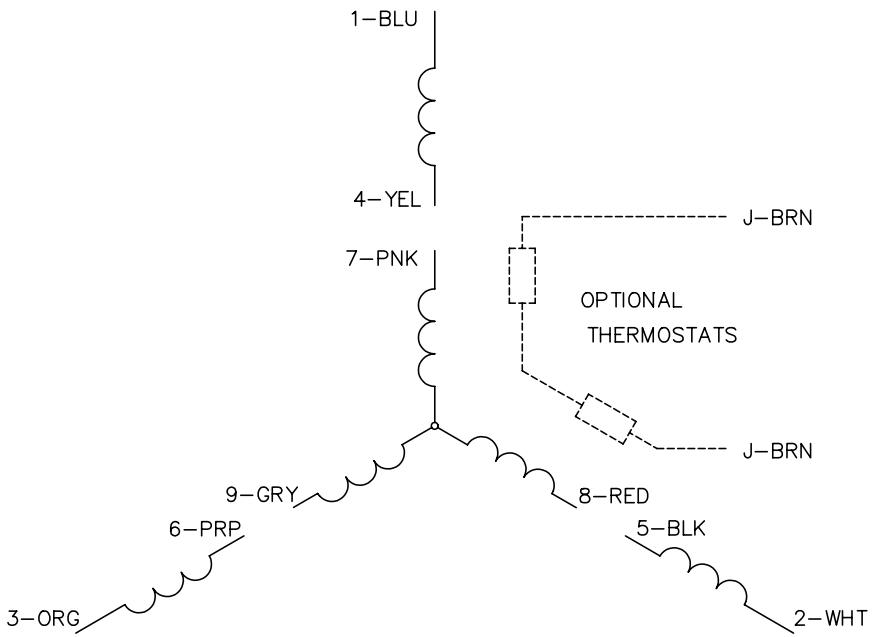


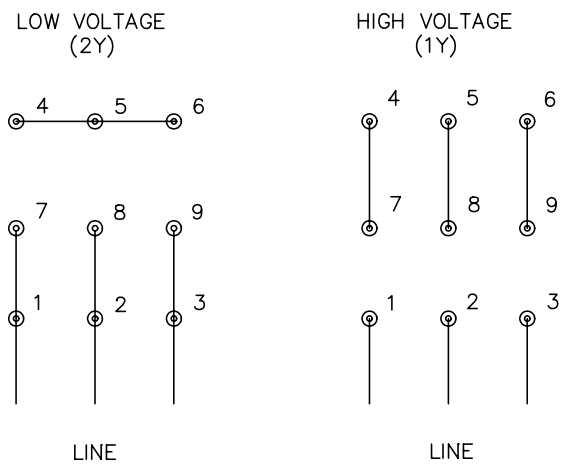
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CD0005





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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