

BALDOR® • RELIANCE 

Product Information Packet

CJM3108

.5HP, 1720RPM, 3PH, 60HZ, 56J, 3416M, OPEN, F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGR706	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34F029	Layout:	34LYF029	Poles:	04	Created Date:	01-29-2021
Base:	RG	Eff. Date:	02-18-2021	Leads:	9#18		Y

Specs			
Catalog Number:	CJM3108	Insulation Class:	B
Enclosure:	OPEN	Inverter Code:	Not Inverter
Frame:	56J	KVA Code:	J
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3416M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	75
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Ext Thread
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End

Current @ Voltage:	1.600 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.700 A @ 208.0 V	Shaft Rotation:	Reversible
	.800 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	Speed Code:	Single Speed
Drip Cover:	Drip Cover	Motor Standards:	NEMA
Duty Rating:	CONT	Starting Method:	Direct on line
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Bearing:	None
Feedback Device:	NO FEEDBACK	Thermal Device - Winding:	None
Front Face Code:	Drip Cover Mounting	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP1256L										
CAT.NO.	CJM3108									
SPEC.	34F029R706									
HP	.5									
VOLTS	230/460									
AMP	1.6/.8									
RPM	1720									
FRAME	56J				HZ	60			PH	3
SER.F.	1.25		CODE	J	DES	B		CLASS	B	
NEMA-NOM-EFF	75.5		PF	75						
RATING	40C AMB-CONT									
CC								USABLE AT 208V	1.7	
DE	6203			ODE	6203					
ENCL	OPEN		SN							
	SFA 1.9/0.95									

Parts List		
Part Number	Description	Quantity
SA390538	SA 34F029R706	1.000 EA
RA380990	RA 34F029R706	1.000 EA
NS2512A01	INSULATOR, CONDUIT BOX X	1.000 EA
34CB3002A	CB CAST W/.88 DIA HOLE	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
34EP3212A03	FR EP 34L FOR DRIP CVR	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3401A01SP	PU ENDPLATE, MACH	1.000 EA
34AD2000	BAFFLE PLATE, STAMPED	1.000 EA
60XW0632A06	6-32 X 3/8 TORX HEAD SCREW TAPTITE II	4.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
34FH4000A15	DRIP COVER, STAMPED,PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
WD4101A09	STIMPSON D3560, .875 DIA. HOLE PLUG	1.000 EA
34CB4517	CB LID 4 MTG HOLES .22 DIA STAMPED, FOR	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
RM1010A01	35-968-1 VINYL CLS	1.000 EA
MG1000G27	MED CHARCOAL METALLIC GREY 400-0096	0.014 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
LC0005E01	CONN.DIA./WARNING LABEL (LC0005/LB1119N)	1.000 EA
NP1256L	ALUM UL CSA CC INDUSTRIAL MOTOR A60	1.000 EA
35PA1066	PKG GRP, PRINT PK1001A01	1.000 EA

AC Induction Motor Performance Data

Record # 85443

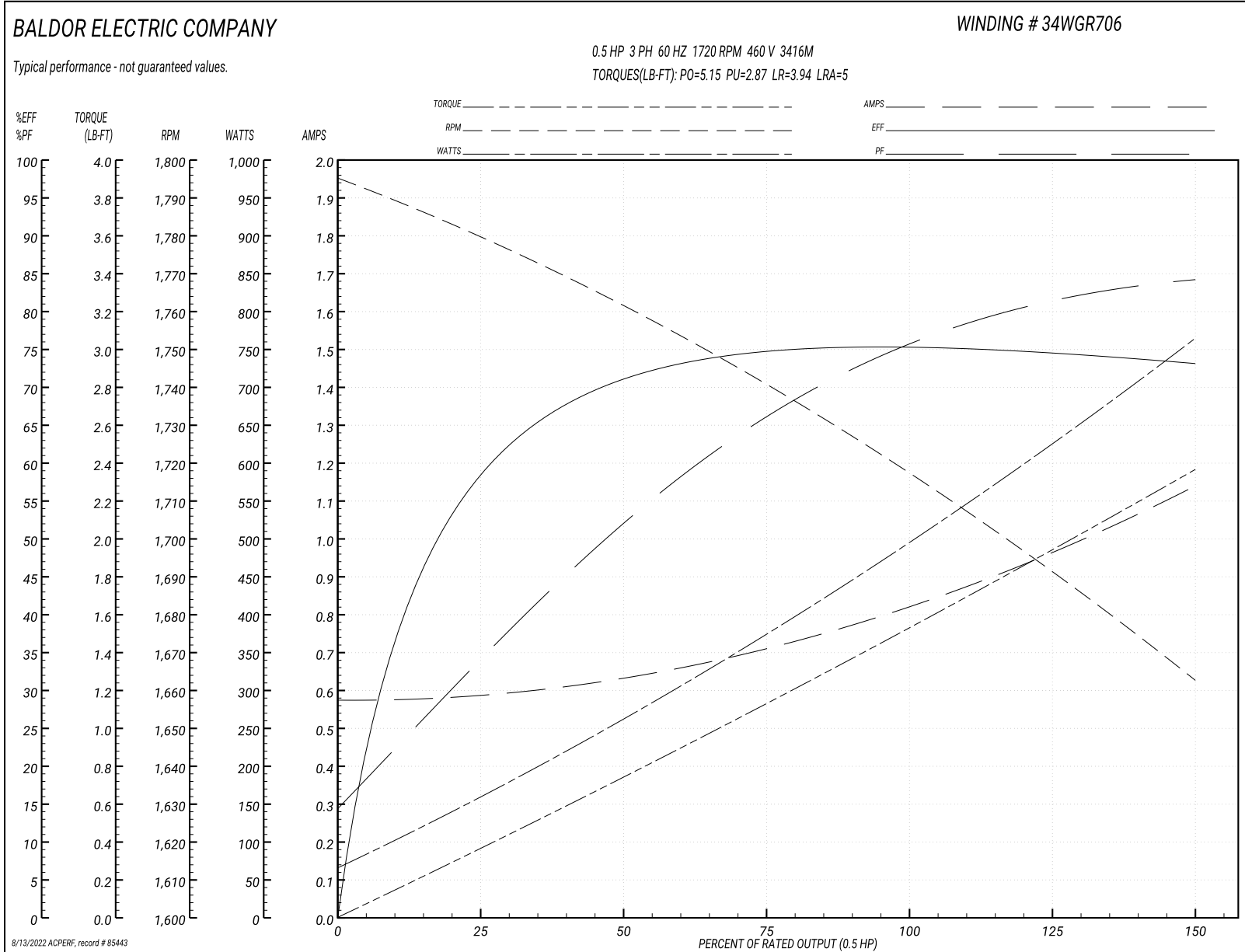
Typical performance - not guaranteed values

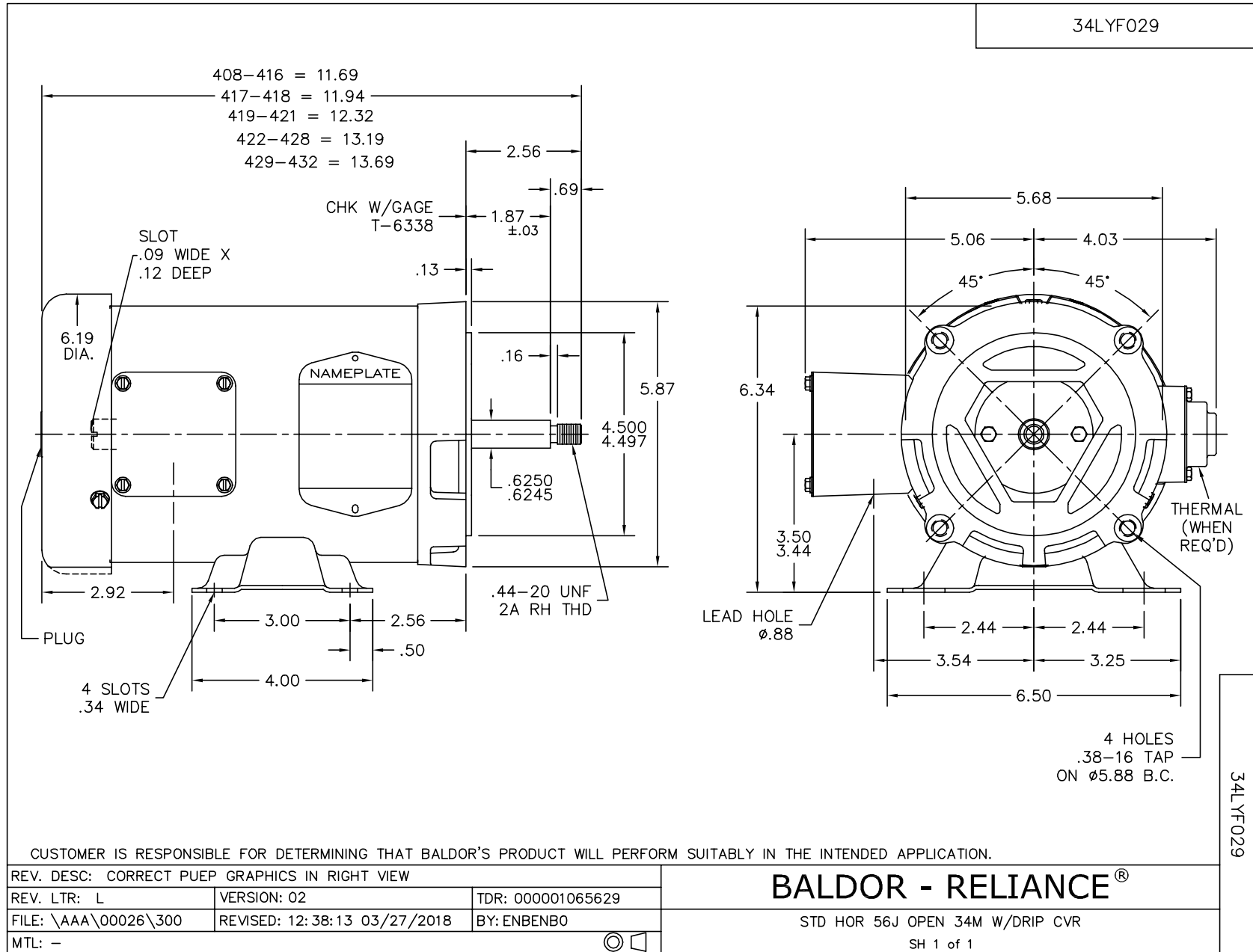
Winding: 34WGR706-R001		Type: 3416M	Enclosure: TEFC
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	0.5	Full Load Torque	1.53 LB-FT
Volts	230/460	Start Configuration	direct on line
Full Load Amps	1.6/0.8	Breakdown Torque	5.15 LB-FT
R.P.M.	1720	Pull-up Torque	2.87 LB-FT
Hz	60 Phase	Locked-rotor Torque	3.94 LB-FT
NEMA Design Code	B KVA Code	Starting Current	5 A
Service Factor (S.F.)	1.25	No-load Current	0.577 A
NEMA Nom. Eff.	75.5 Power Factor	Line-line Res. @ 25°C	48.9 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	50°C
S.F. Amps	1.9/0.95	Temp. Rise @ S.F. Load	70°C
		Locked-rotor Power Factor	70.8
		Rotor inertia	0.0381 lb-ft ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

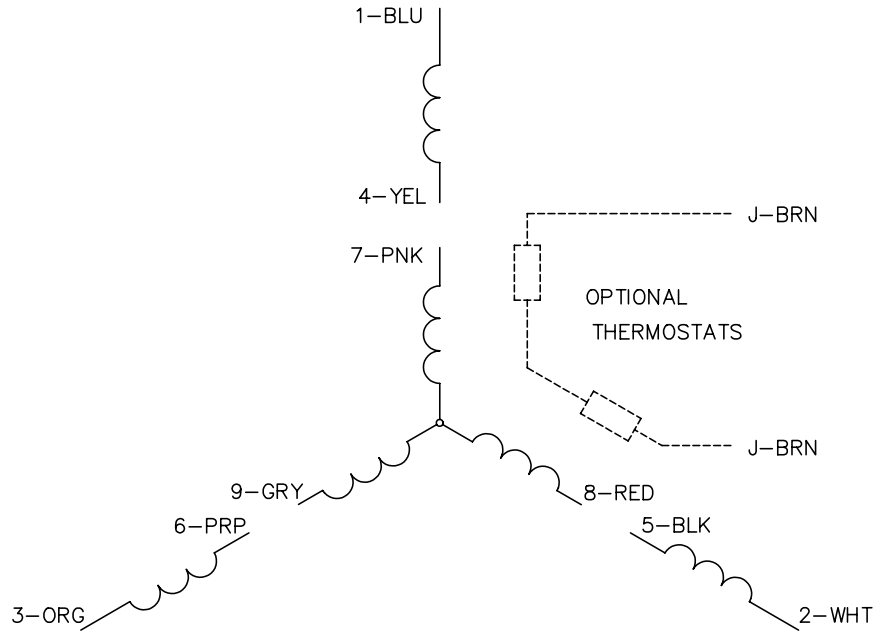
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	53	66	75	81	84	81
Efficiency	58.6	70.6	74.6	75.5	74.8	72.9	74.8
Speed	1779	1761	1741	1718	1692	1662	1692
Line amperes	0.583	0.631	0.712	0.824	0.962	1.14	0.962

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values

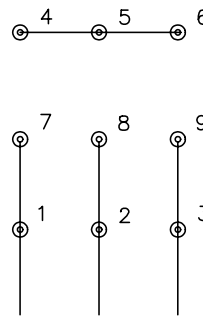




CD0005

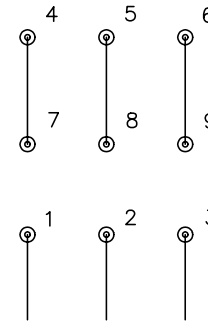


LOW VOLTAGE
(2Y)



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
900000		FILE: AAA00005140	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005