

BALDOR® • RELIANCE 

Product Information Packet

CNM3457

.33HP,3450RPM,3PH,60HZ,56C,3410M,TENV,F1

Part Detail							
Revision:	E	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGY170	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34K008	Layout:	34LYK008	Poles:	02	Created Date:	06-18-2008
Base:	RG	Eff. Date:	02-06-2020	Leads:	9#18		

Specs			
Catalog Number:	CNM3457	Heater Indicator:	No Heater
Enclosure:	TENV	Insulation Class:	B
Frame:	56C	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	P
Motor Letter Type:	Three Phase	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	.330 HP @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	208.0 V @ 60 HZ	Motor Type:	3410M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	64
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:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

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

Nameplate NP1256L										
CAT.NO.	CNM3457									
SPEC.	34K008Y170G3									
HP	.33									
VOLTS	208-230/460									
AMP	1.6-1.4/.7									
RPM	3450									
FRAME	56C				HZ	60			PH	3
SER.F.	1.15		CODE	P	DES	B		CLASS	B	
NEMA-NOM-EFF	72		PF	64						
RATING	40C AMB-CONT									
CC									USABLE AT 208V	1.6
DE	6203				ODE	6203				
ENCL	TENV		SN							

Parts List		
Part Number	Description	Quantity
SA172411	SA 34K008Y170G3	1.000 EA
RA160613	RA 34K008Y170G3	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
34EP3100A03SP	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
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
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
MN416A01	TAG-INSTAL-MAINT no wire (2200bx) 4/22	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 # 36362

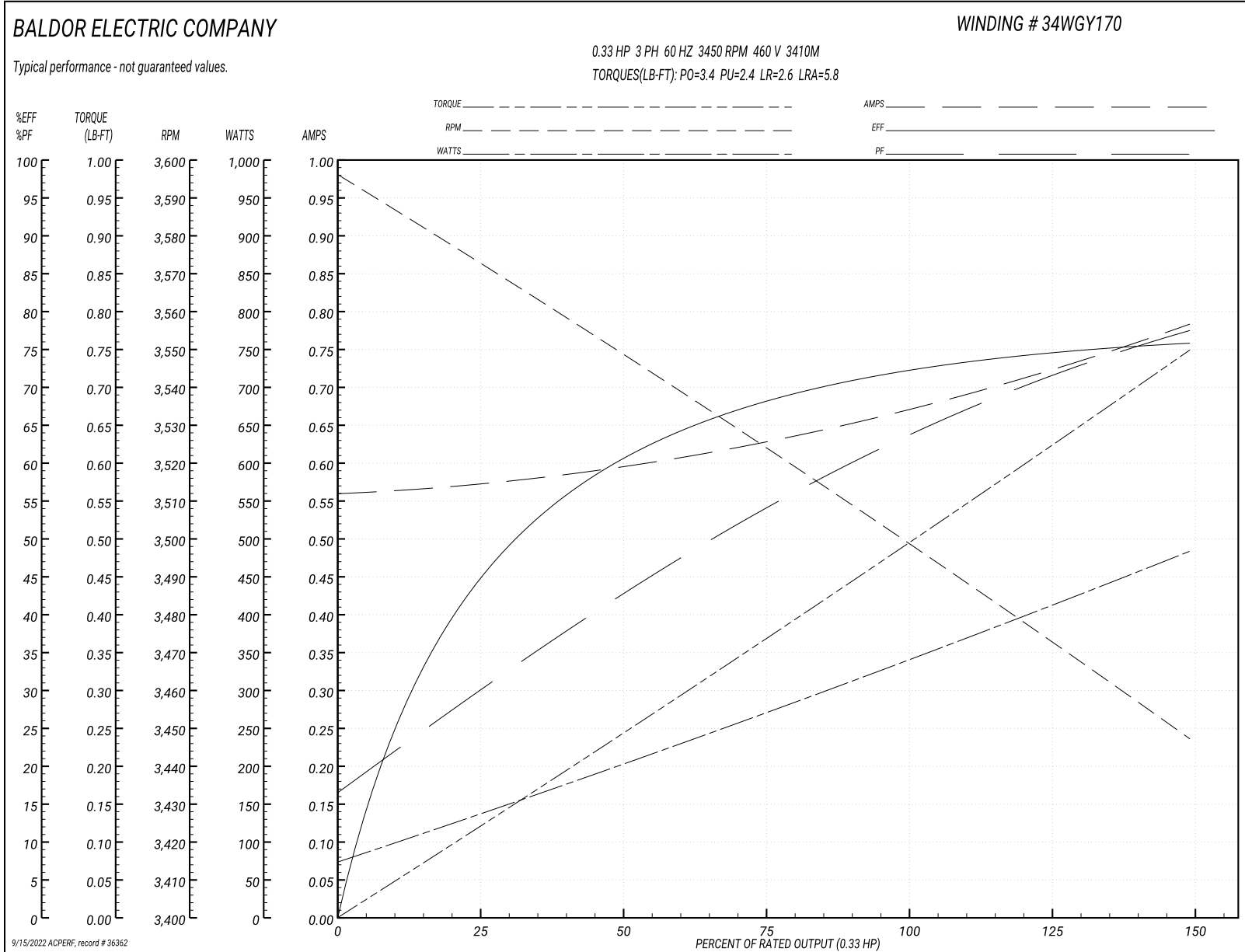
Typical performance - not guaranteed values

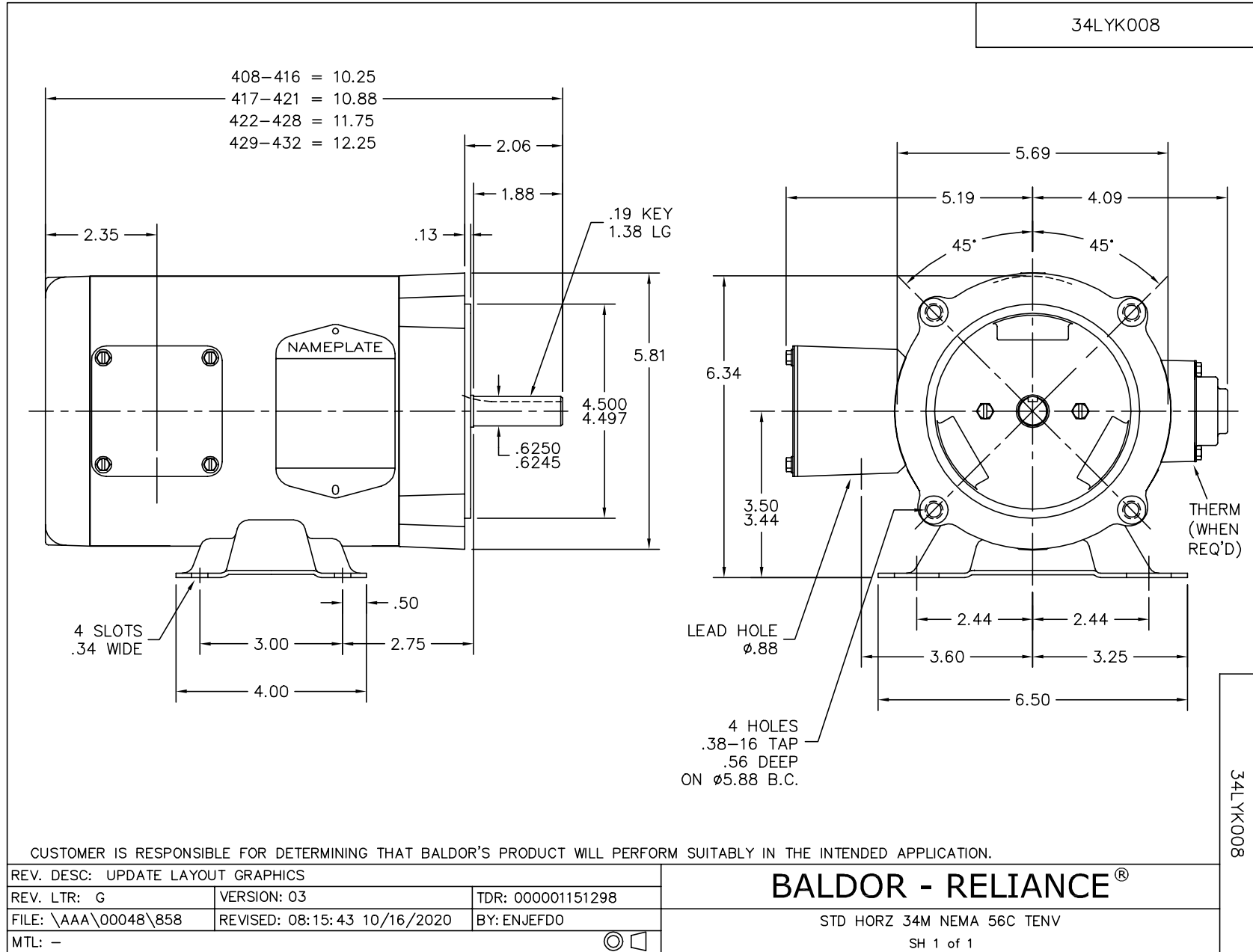
Winding: 34WGY170-R006		Type: 3410M	Enclosure: TENV
Nameplate Data		460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.33	Full Load Torque	0.5 LB-FT
Volts	208-230/460	Start Configuration	direct on line
Full Load Amps	1.6-1.4/.7	Breakdown Torque	3.4 LB-FT
R.P.M.	3450	Pull-up Torque	2.4 LB-FT
Hz	60 Phase	Locked-rotor Torque	2.6 LB-FT
NEMA Design Code	B KVA Code	Starting Current	5.8 A
Service Factor (S.F.)	1.15	No-load Current	0.56 A
NEMA Nom. Eff.	72 Power Factor	Line-line Res. @ 25°C	31.3 Ω
Rating - Duty	40C AMB-CONT	Temp. Rise @ Rated Load	57°C
S.F. Amps		Temp. Rise @ S.F. Load	62°C
		Locked-rotor Power Factor	71
		Rotor inertia	0.0093 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	29	43	53	64	70	78	73
Efficiency	43.6	61.9	68.2	72.8	74.4	75.8	75
Speed	3569	3544	3526	3497	3477	3444	3464
Line amperes	0.57	0.6	0.63	0.68	0.71	0.79	0.742

Performance Graph at 460V, 60Hz, 0.33HP Typical performance - Not guaranteed values





CD0005

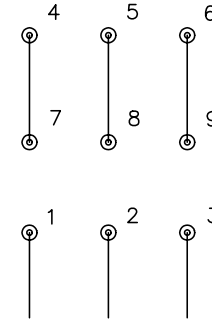


LOW VOLTAGE
(2Y)



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

90000

FILE: AAA00005140

MDL: -

MTL: -

BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005