

BALDOR® • RELIANCE 

Product Information Packet

AFL3520A

.75HP,3450RPM,1PH,60HZ,56Z,3420L,TEAO,F1

Part Detail							
Revision:	AE	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WG0656	CD Diagram:	CD0052	Mfg Plant:	
Mech. Spec:	34K048	Layout:	34LYK048	Poles:	02	Created Date:	
Base:	RG	Eff. Date:	02-20-2024	Leads:	6#18,1#14 #1TH		

Specs			
Catalog Number:	AFL3520A	Inverter Code:	Not Inverter
Enclosure:	TEAO	KVA Code:	J
Frame:	56Z	Lifting Lugs:	No Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Motor Letter Type:	Cap Start, Induction Run	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Output @ Frequency:	.750 HP @ 60 HZ	Motor Lead Exit:	Lead Hole
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Termination:	Cord And Plug
Voltage @ Frequency:	115.0 V @ 60 HZ	Motor Type:	3420L
	230.0 V @ 60 HZ	Mounting Arrangement:	F1
Haz Area Class and Group:	None	Power Factor:	68
Haz Area Division:	Not Applicable	Product Family:	General Purpose
Agency Approvals:	UR	Product Type:	FARM DUTY
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Tapped & Key
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:	11.000 A @ 115.0 V	Shaft Rotation:	Reversible: Connected Standard
	5.500 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	N	Speed Code:	Single Speed
Drip Cover:	No 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:	Terminal Panel	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	Automatic Thermal Overload
Heater Indicator:	No Heater	Winding Thermal 1 Location:	SB
Insulation Class:	B	Winding Thermal 2:	None

Nameplate NP1280L										
CAT.NO.	AFL3520A									
SPEC.	34K48-656									
HP	.75									
VOLTS	115/230									
AMP	11/5.5									
RPM	3450									
FRAME	56Z			HZ	60			PH	1	
SER.F.	1.00			CODE	J		DES	N	CL	B
NEMA-NOM-EFF	71			PF	68					
RATING	40C AMB-CONT									
CC							USABLE AT 208V	N/A		
DE	6203			ODE	6203					
ENCL	TEAO			SN						

AC Induction Motor Performance Data

Record # 50784

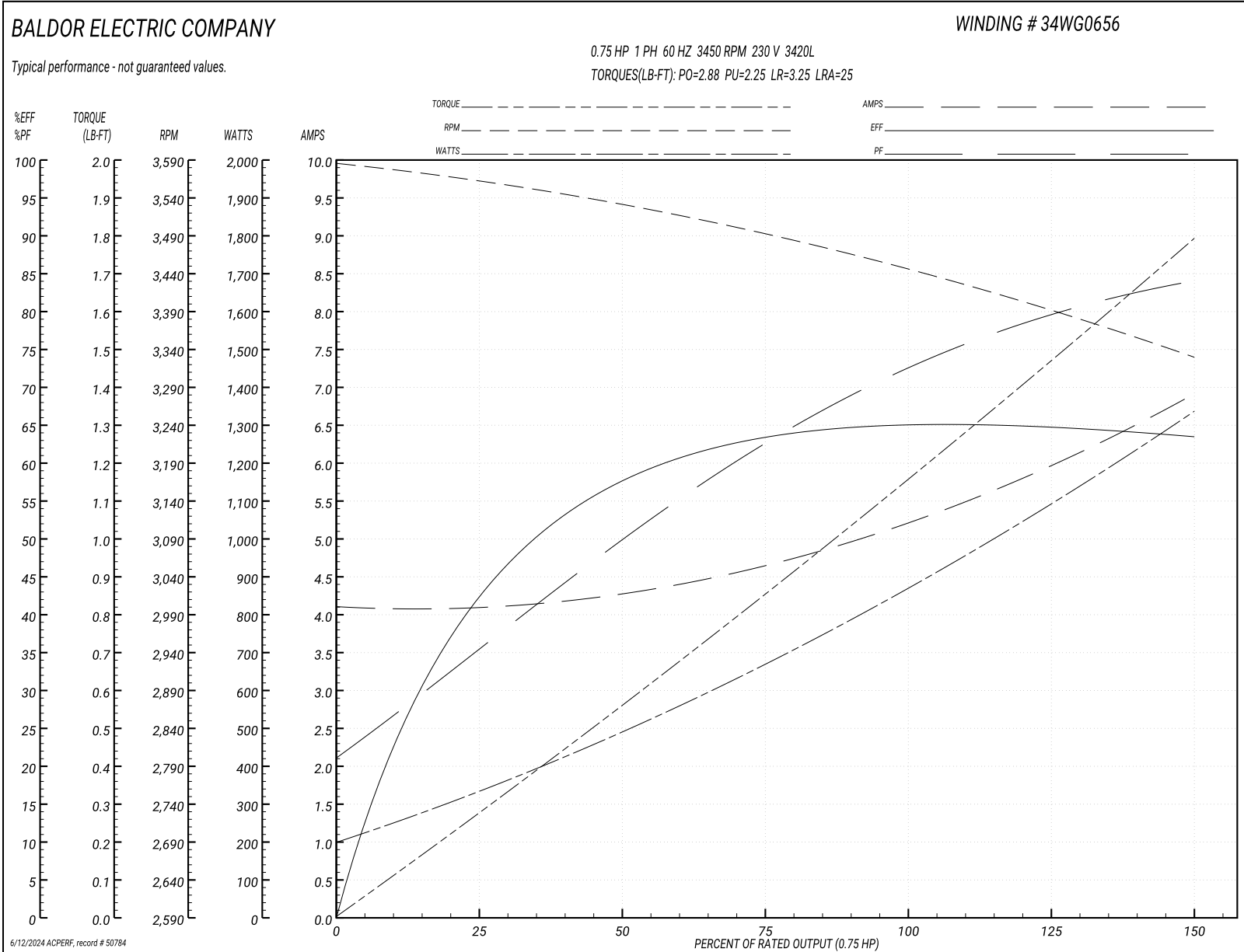
Typical performance - not guaranteed values

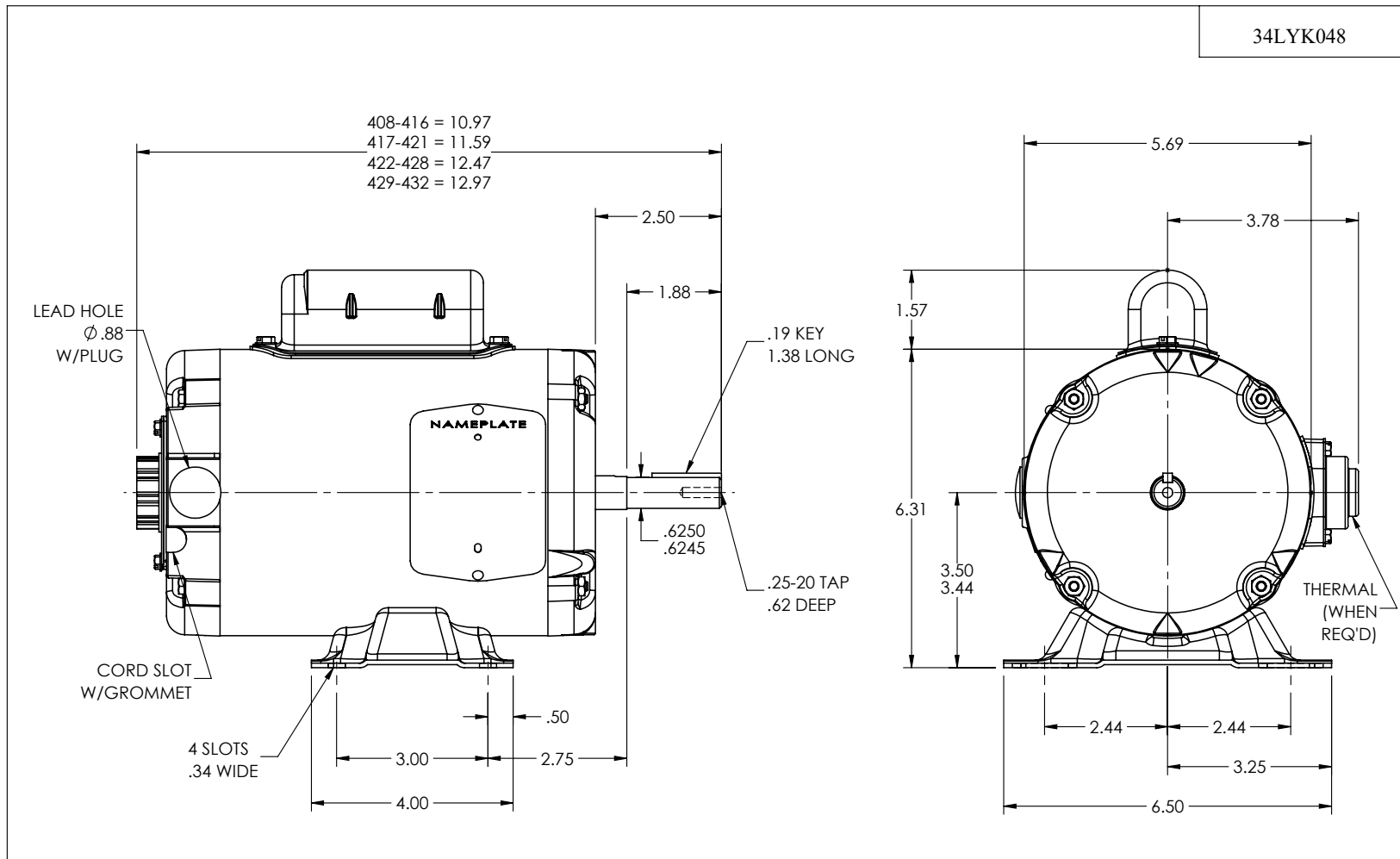
Winding: 34WG0656-R001		Type: 3420L	Enclosure: TEAO		
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	.75	Full Load Torque	1.2 LB-FT		
Volts	115/230	Start Configuration	direct on line		
Full Load Amps	11/5.5	Breakdown Torque	2.88 LB-FT		
R.P.M.	3450	Pull-up Torque	2.25 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	3.25 LB-FT	
NEMA Design Code	N	KVA Code	J	Starting Current	25 A
Service Factor (S.F.)			1	No-load Current	4.07 A
NEMA Nom. Eff.	71	Power Factor	68	Line-line Res. @ 25°C	3.18 Ω A Ph 2.53 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load		

Load Characteristics 230 V, 60 Hz, 0.75 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	49	61	70	75	80
Efficiency	42	58	64	66	65	63
Speed	3557	3522	3485	3440	3399	3320
Line amperes	4.16	4.3	4.7	5.4	5.9	7

Performance Graph at 230V, 60Hz, 0.75HP Typical performance - Not guaranteed values





34LYK048

34LYK048

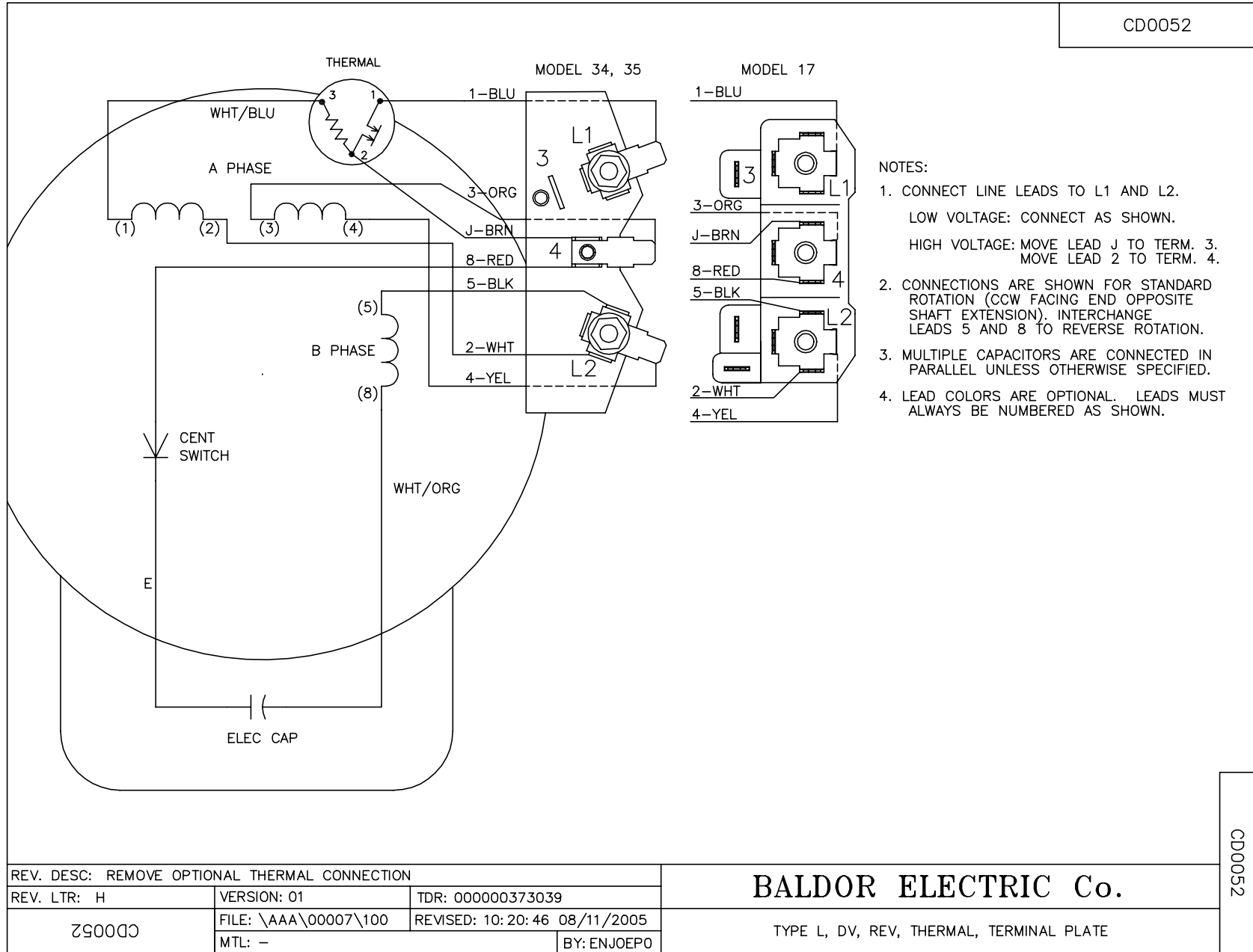
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: LOAD TO SOLIDWORKS - REV C			
REV: D	VERSION: 02	REVISED: 04:56:58 01/05/2023	TDR: 000001201165
34LYK048	MODEL NO. 34LYK048		REF: -
	BY: ENFRAJ0		

BALDOR - RELIANCE®

HORZ MODEL 34L NEMA 56Z TENV W/TERM PLATE (AERATION FAN MTR)

CD0052



CD0052

REV. DESC: REMOVE OPTIONAL THERMAL CONNECTION		
REV. LTR: H	VERSION: 01	TDR: 000000373039
Z90052	FILE: \AAA\00007\100	REVISED: 10:20:46 08/11/2005
	MTL: -	BY: ENJOEPO

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, TERMINAL PLATE