



Product Information Packet

EL3403

.25HP,1745RPM,1PH,60HZ,48,3414LC,TEFC,F1

Part Detail							
Revision:	AD	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGW955	CD Diagram:	CD0055	Mfg Plant:	
Mech. Spec:	34G374	Layout:	34LYG374	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	04-22-2021	Leads:	6#18		

Specs			
Catalog Number:	EL3403	Insulation Class:	F
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	48	KVA Code:	K
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Cap Start, Cap Run	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.250 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	6 @ 18 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	115.0 V @ 60 HZ	Motor Type:	3414LC
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	89
Agency Approvals:	CSA	Product Family:	General Purpose
	CSA EEV	Pulley End Bearing Type:	Ball
	UR	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Pulley Shaft Indicator:	Standard
Auxillary Box Lead Termination:	None	Rodent Screen:	None
Base Indicator:	Rigid	RoHS Status:	ROHS COMPLIANT
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	1.250 A @ 230.0 V	Shaft Rotation:	Reversible
	2.500 A @ 115.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	-	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:	Standard	Vibration Sensor Indicator:	No Vibration Sensor
Front Shaft Indicator:	None	Winding Thermal 1:	None
Heater Indicator:	No Heater	Winding Thermal 2:	None

Nameplate NP2116L

CAT.NO.	EL3403									
SPEC.	34G374W955G1									
HP	.25									
VOLTS	115/230									
AMP	2.5/1.25									
RPM	1745									
FRAME	48						HZ	60		
SER.F.	1.35						CODE	K		
NEMA-NOM-EFF	74						DES	-		
							CL	F		
							PH	1		
							PF	89		
RATING	40C AMB-CONT									
CC							USABLE AT 208V			
DE	6203						ODE	6203		
ENCL	TEFC						SN			
	SFA 3.2/1.6									

AC Induction Motor Performance Data

Record # 20831

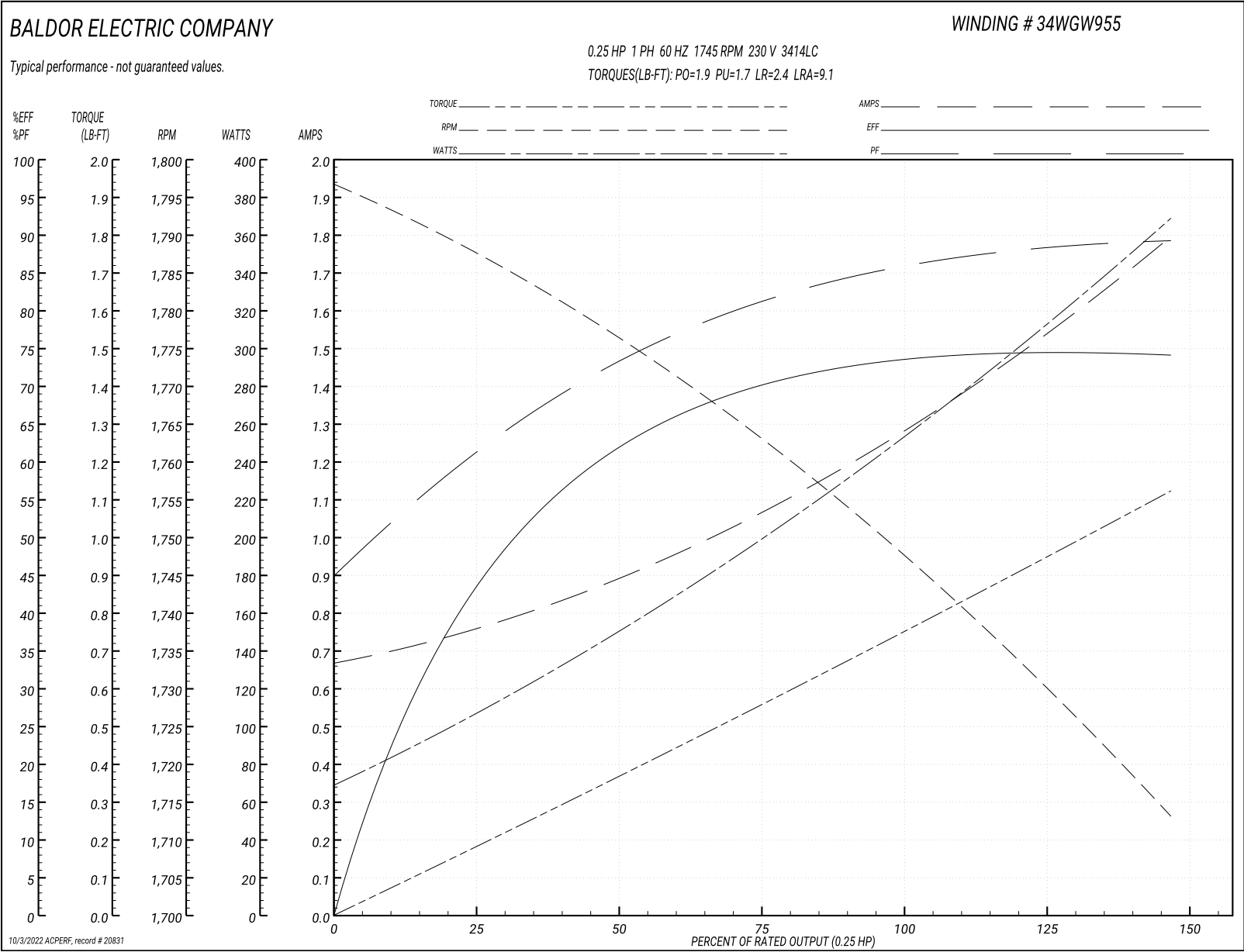
Typical performance - not guaranteed values

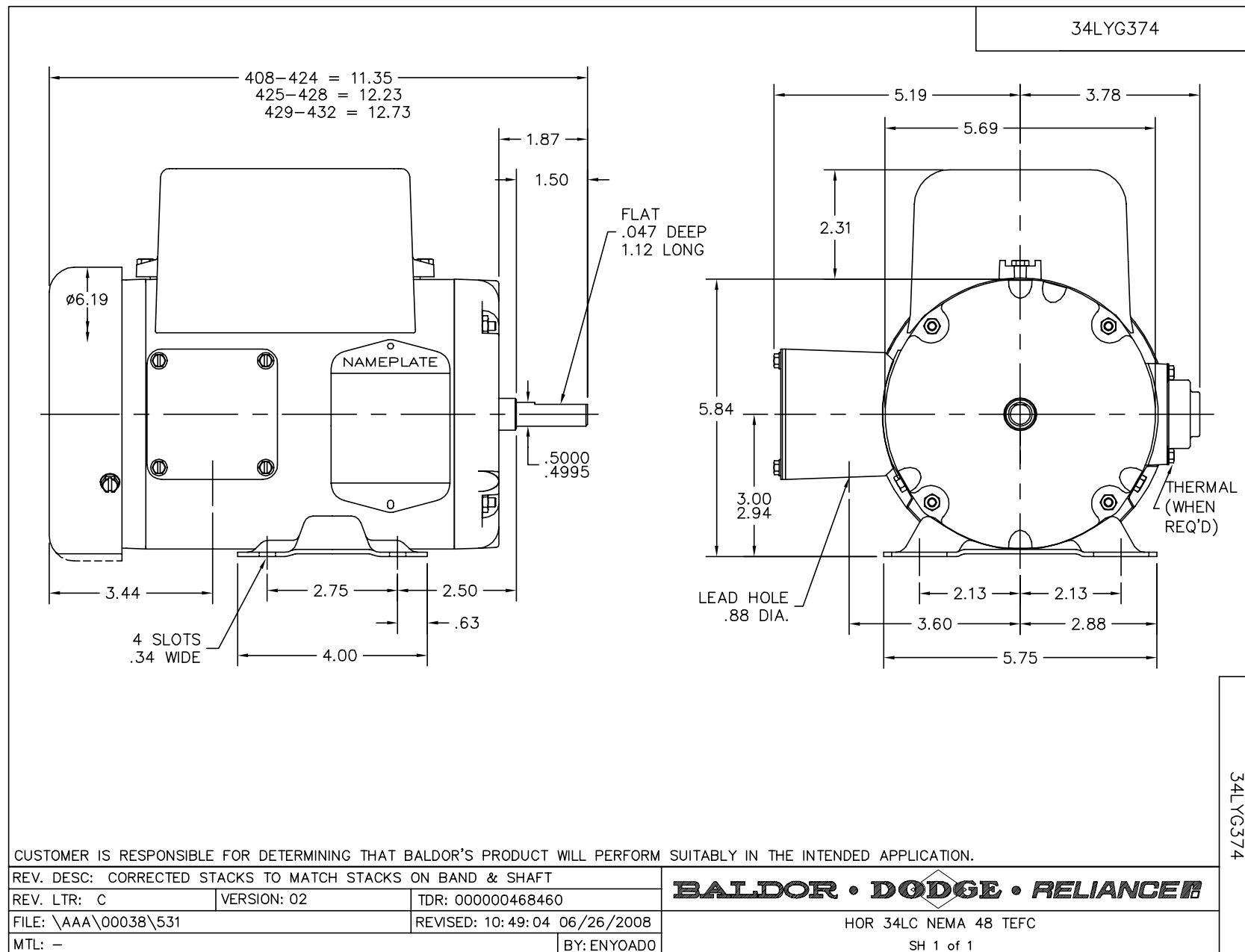
Winding: 34WGW955-R002			Type: 3414LC		Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		.25	Full Load Torque		0.75 LB-FT	
Volts		115/230	Start Configuration		direct on line	
Full Load Amps		2.5/1.25	Breakdown Torque		1.9 LB-FT	
R.P.M.		1745	Pull-up Torque		1.7 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque		2.4 LB-FT	
NEMA Design Code		- KVA Code	Starting Current		9.1 A	
Service Factor (S.F.)		1.35	No-load Current		0.7 A	
NEMA Nom. Eff.		74 Power Factor	89		Line-line Res. @ 25°C 10.04 Ω A Ph 7.87 Ω B Ph	
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		27°C	
S.F. Amps		3.2/1.6	Temp. Rise @ S.F. Load		34°C	

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	64	77	83	87	89	91	90
Efficiency	45.7	62.4	69.5	73.5	74.7	74.2	75.2
Speed	1786	1775	1763	1749	1732	1712	1725
Line amperes	0.7	0.9	1.1	1.3	1.5	1.8	1.6

Performance Graph at 230V, 60Hz, 0.25HP Typical performance - Not guaranteed values





CD0055

