



Product Information Packet

M3454

.25HP,1735RPM,3PH,60HZ,48,3410M,TEFC,F1

Part Detail							
Revision:	-	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGR713	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	34A051	Layout:	34LYA051	Poles:	04	Created Date:	11-20-2020
Base:	RG	Eff. Date:	12-01-2020	Leads:	9#18		

Specs			
Catalog Number:	M3454	Insulation Class:	B
Enclosure:	TEFC	Inverter Code:	Not Inverter
Frame:	48	KVA Code:	L
Frame Material:	Steel	Lifting Lugs:	No Lifting Lugs
Motor Letter Type:	Three Phase	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	.250 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:	3410M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	63
Agency Approvals:	CSA	Product Family:	General Purpose
	UR	Pulley End Bearing Type:	Ball
Auxillary Box:	No Auxillary Box	Pulley Face Code:	Standard
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
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:	1.100 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
	1.200 A @ 230.0 V	Shaft Rotation:	Reversible
	.600 A @ 460.0 V	Shaft Slinger Indicator:	No Slinger
Design Code:	B	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 NP1256L

CAT.NO.	M3454											
SPEC.	34A051R713											
HP	.25											
VOLTS	230/460											
AMP	1.2/.6											
RPM	1735											
FRAME	48				HZ		60			PH	3	
SER.F.	1.35			CODE		L	DES		B	CLASS		B
NEMA-NOM-EFF	62				PF		63					
RATING	40C AMB-CONT											
CC					USABLE AT 208V							1.1
DE	6203				ODE		6203					
ENCL	TEFC			SN								
	SFA 1.32/0.66A											

AC Induction Motor Performance Data

Record # 85600

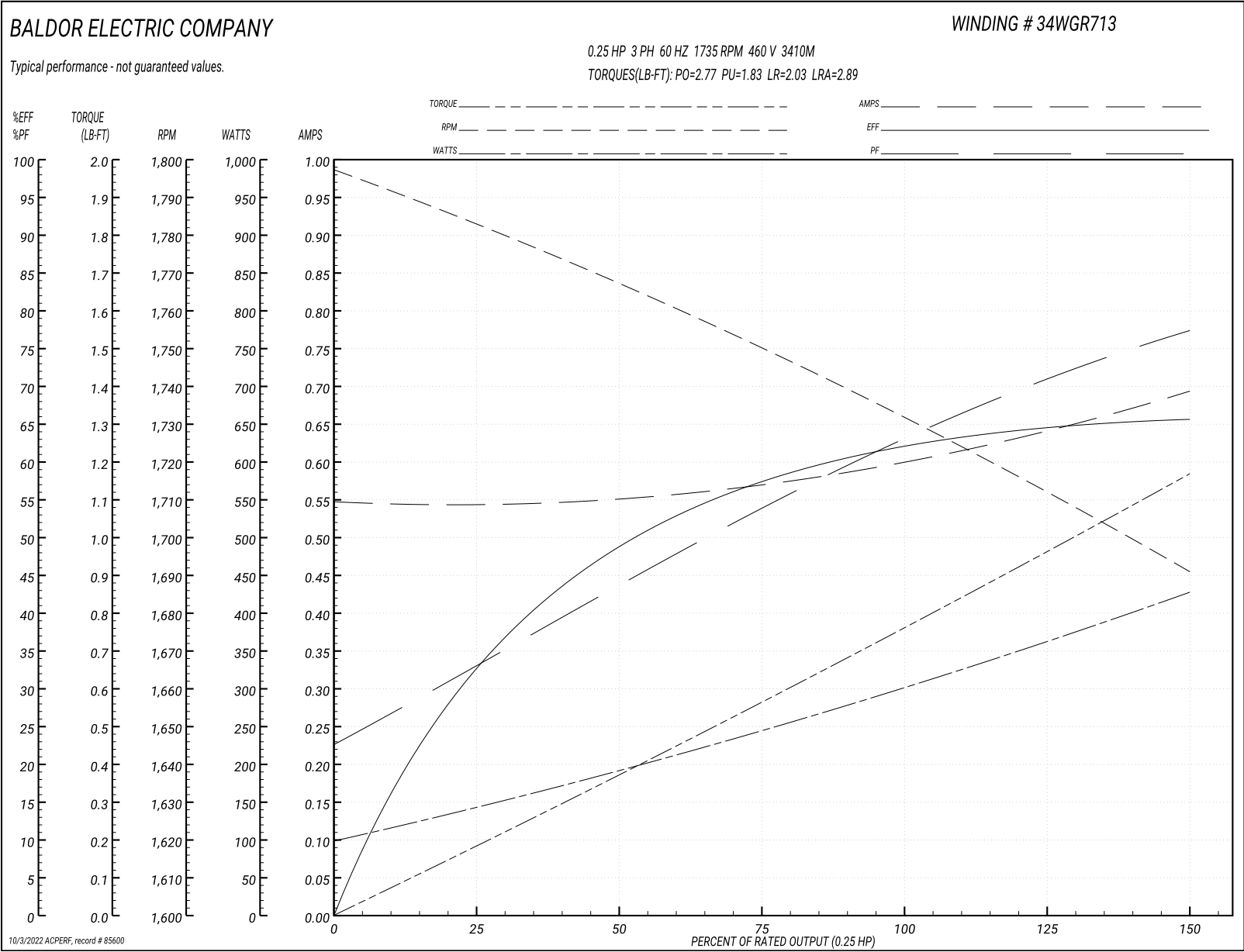
Preliminary Data Sheet

Winding: 34WGR713-R001			Type: 3410M	Enclosure: TEFC			
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		0.25	Full Load Torque		0.76 LB-FT		
Volts		230/460	Start Configuration		direct on line		
Full Load Amps		1.2/0.6	Breakdown Torque		2.77 LB-FT		
R.P.M.		1735	Pull-up Torque		1.83 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		2.03 LB-FT	
NEMA Design Code		B	KVA Code	L	Starting Current		2.89 A
Service Factor (S.F.)		1.35		No-load Current		0.545 A	
NEMA Nom. Eff.		63.4	Power Factor	63	Line-line Res. @ 25°C		98.9 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		57°C	
S.F. Amps		1.32/0.66		Temp. Rise @ S.F. Load		70°C	
				Locked-rotor Power Factor		84.1	
				Rotor inertia		0.0238 lb-ft²	

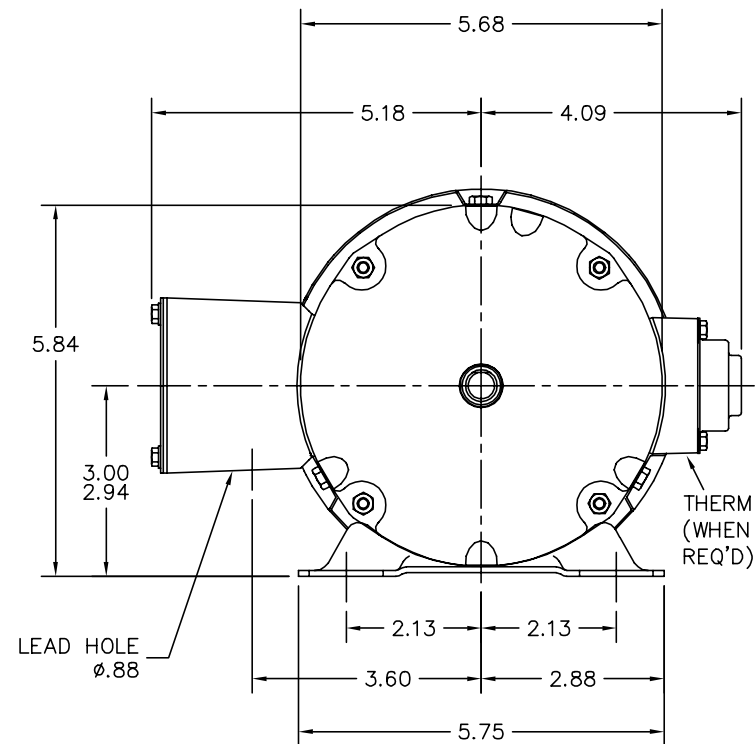
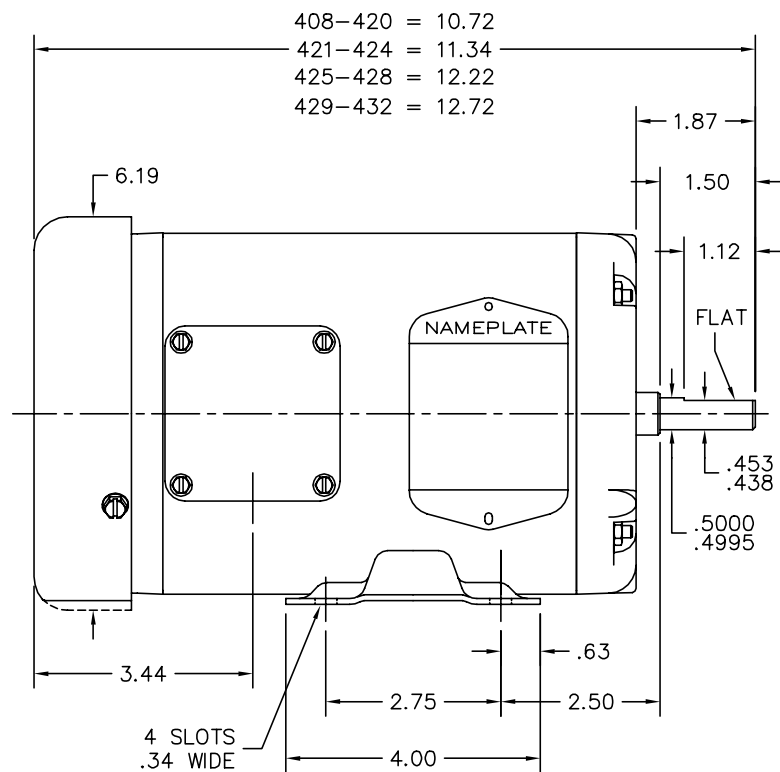
Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	33	43	54	63	71	78	75
Efficiency	34.9	50.2	58.6	63.4	65.6	66.1	65.8
Speed	1781	1767	1751	1733	1713	1690	1697
Line amperes	0.547	0.552	0.568	0.598	0.64	0.695	0.662

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values



34LYA051



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDAYE LAYOUT GRAPHICS

REV. LTR: M

VERSION: 05

TDR: 000001189834

FILE: \AAA\00006\622

REVISED: 01: 40: 08 04/25/2022

BY: ENJEFD0

MTL: -



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STD HORZ 34M NEMA 48 TEFC

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