



Customer information packet

L3405

.33HP, 3450RPM, 1PH, 60HZ, 48, 3413L, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UR CSA
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.000 A @ 230.0 V 3.200 A @ 208.0 V 3.700 A @ 208.0 V 6.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	55.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	AG
Type	AC
Mech. spec.	34C051
Base	
Status	PRD/A
Elec. spec.	34WG0183
Layout	34LYC051
Eff. date	12-30-2024
CD Diagram	CD0001
Poles	02
Leads	6#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	B
Inverter Code	Not Inverter
IP Rating	NONE
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	6 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3413L
Mounting Arrangement	F1
Number of Poles	2
Overall Length	10.72 IN
Power Factor	68
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.35
Shaft Diameter	0.500 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	3450 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.	L3405										
SPEC.	34C51-183										
HP	.33										
VOLTS	115/208-230										
AMP	6/3.2-3										
RPM	3450										
FRAME	48		HZ	60			PH	1			
SER.F.	1.35		CODE	K	DES	N	CLASS		B		
NEMA-NOM-EFF	55		PF	68							
RATING	40C AMB-CONT										
CC											
DE	6203		ODE	6203							
ENCL	TEFC		SN								
	SFA 7/3.7-3.5										

Accessories

Part number	Description	Multiplier
34-3900T	C-FACE KIT	A8

AC Induction Motor Performance Data

Record # 50672

Typical performance - not guaranteed values

Winding: 34WG0183-R001			Type: 3413L		Enclosure: TEFC		
Nameplate Data			230 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		0.5 LB-FT		
Volts		115/208-230	Start Configuration		direct on line		
Full Load Amps		6/3.2-3	Breakdown Torque		1.3 LB-FT		
R.P.M.		3450	Pull-up Torque		1.1 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		1.6 LB-FT	
NEMA Design Code		N	KVA Code	K	Starting Current		14 A
Service Factor (S.F.)		1.35	No-load Current		2.4 A		
NEMA Nom. Eff.		55	Power Factor	68	Line-line Res. @ 25°C		7.12 Ω A Ph 5.47 Ω B Ph
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		
S.F. Amps		7/3.7-3.5	Temp. Rise @ S.F. Load				

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	39	47	56	66	70	75	72
Efficiency	36.3	46.9	53.8	58.8	59.8	59.7	60.2
Speed	3556	3535	3508	3465	3439	3393	3429
Line amperes	2.4	2.5	2.6	2.9	3.2	3.5	3.4

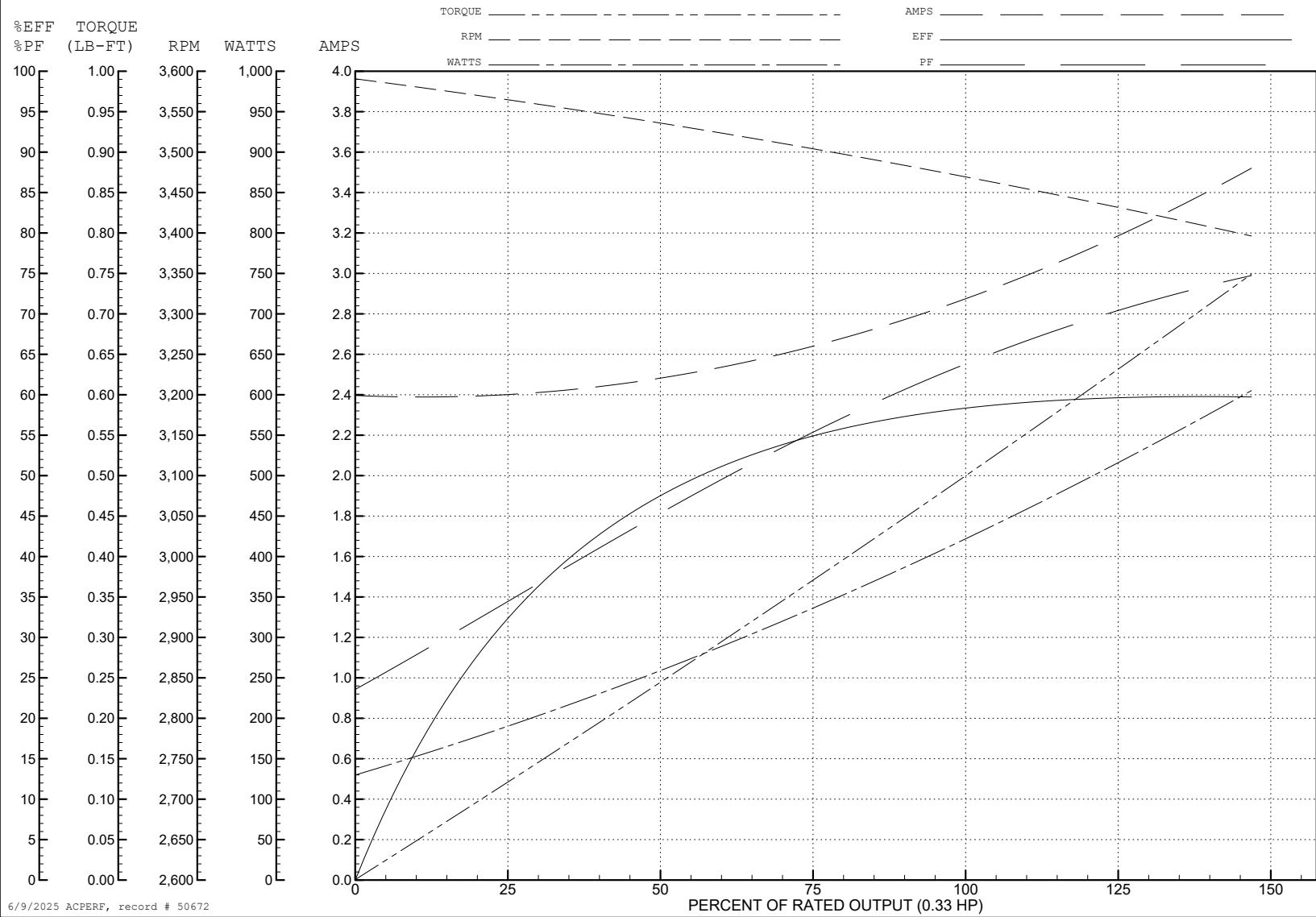
ABB Motors and Mechanical Inc.

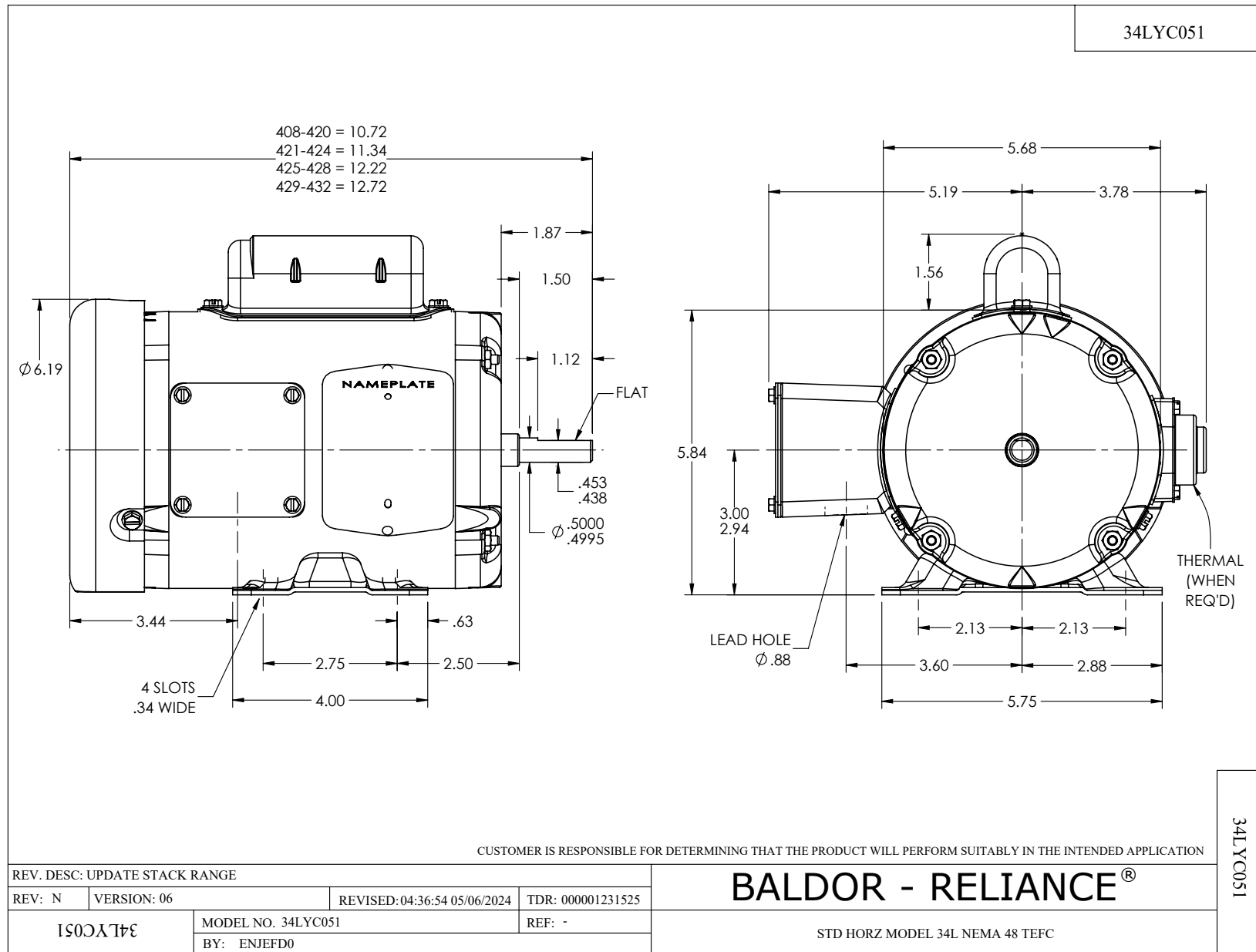
WINDING # 34WG0183

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 3450 RPM 230 V 3413L

TORQUES (LB-FT): PO=1.3 PU=1.1 LR=1.6 LRA=14





CD0001

