



Customer information packet

L4006A

.33HP, 1725RPM, 1PH, 60HZ, 48, X3414L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

Specifications

Enclosure	XPFC
Frame	48
Frame Material	Steel
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP D; CLII GP F,G
Haz Area Division	Division I
Motor Letter Type	Cap Start, Induction Run
Output @ Frequency	.330 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	115.0 V @ 60 HZ 208.0 V @ 60 HZ 230.0 V @ 60 HZ
Agency Approvals	UL CSA UR
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 6.000 A @ 115.0 V
Design Code	N
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	60.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	AD
Type	AC
Mech. spec.	34-5426
Base	
Status	PRD/A
Elec. spec.	34WG5597
Layout	34LY5426
Eff. date	05-01-2024
CD Diagram	CD0565
Poles	04
Leads	7#18
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	B
Inverter Code	Not Inverter
KVA Code	L
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	7 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3414L
Mounting Arrangement	F1
Number of Poles	4
Overall Length	12.85 IN
Power Factor	60
Product Family	Hazardous Location Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.00
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	1725 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	Automatic Thermal Overload
Winding Thermal 1 Location	ES

Nameplate

NP0016XPSL									
NO.		CC							
SER. #									
SPEC	34-5426-5597								
CAT.NO.	L4006A								
H.P.	.33	T. CODE	T3C						
VOLTS	115/208-230								
AMPS	6/3.2-3								
R.P.M.	1725								
HZ	60	PH	1	CLASS	B				
SER.F.	1.00	DES	N	CODE	L				
RATING	40C AMB-CONT								
FRAME	48	NEMA NOM. EFF	60						
	PF	60							
BLANK									

Parts list

Part number	Description	Quantity
SA009054	SA 34-5426-5597	1.000 ea
RA005501	RA 34-5426-5597	1.000 ea
TPMRG57BV	THERMAL 1PH 0.75 AUT 105C	1.000 ea
EC1108A08	ELEC CAP, 108-130 MFD, 125V, 1.13D X 2.	1.000 ea
EC1088A08	ELEC CAP 115V 1.125X2.750 X	1.000 ea
MJ5000A09	EFI KIT #1578 (400 ML CARTRIDGE OF EFI	0.050 ea
35CB3001A01SP	EXPL CONDUIT BOX, MACH, 1/2" PIPE TAP LE	1.000 ea
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 ea
HW3001B02	BRASS CUP WASHER W/GROUND SYMBOL TAB,	1.000 ea
34EP3703A01	FR ENDPLATE, MACH XP	1.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 ea
HA1025A13	WSHR,FELT,.38" THICK F-26 CLASS	1.000 ea
HW3021E06	1/8 DIA X 5/8 ROLLPIN (F/S)	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
34EP3704A01	PU ENDPLATE, MACH XP	1.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
34FH4002A01SP	IEC FH NO GREASER PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 ea
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	6.000 ea
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	7.000 ea
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	2.000 ea
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 ea
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.014 ga

SP5036A01	STAT. SWITCH ASSY. MODEL 34 TYPE L OR S	1.000 ea
HA3104A05	THRUBOLT, 5/16-18 X 8.375	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea
LC0008	CONNECTION LABEL	1.000 ea
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 ea
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A06	1.000 ea

AC Induction Motor Performance Data

Record # 6785

Typical performance - not guaranteed values

Winding: 34WG5597-R002			Type: 3414L		Enclosure: XPFC			
Nameplate Data			230 V, 60 Hz: High Voltage Connection					
Rated Output (HP)		.33	Full Load Torque		1 LB-FT			
Volts		115/208-230	Start Configuration		direct on line			
Full Load Amps		6/3.2-3	Breakdown Torque		2.95 LB-FT			
R.P.M.		1725	Pull-up Torque		2.55 LB-FT			
Hz	60	Phase	1	Locked-rotor Torque		3.6 LB-FT		
NEMA Design Code		N	KVA Code	L	Starting Current		13 A	
Service Factor (S.F.)		1		No-load Current		2.6 A		
NEMA Nom. Eff.		60	Power Factor		60	Line-line Res. @ 25°C		6.32 Ω A Ph 4.93 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		59°C		

Load Characteristics 230 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	31	41	52	60	67	73
Efficiency	33	41	52	60	61.5	61.5
Speed	1780	1760	1745	1725	1705	1680
Line amperes	2.6	2.7	2.8	3	3.3	3.7

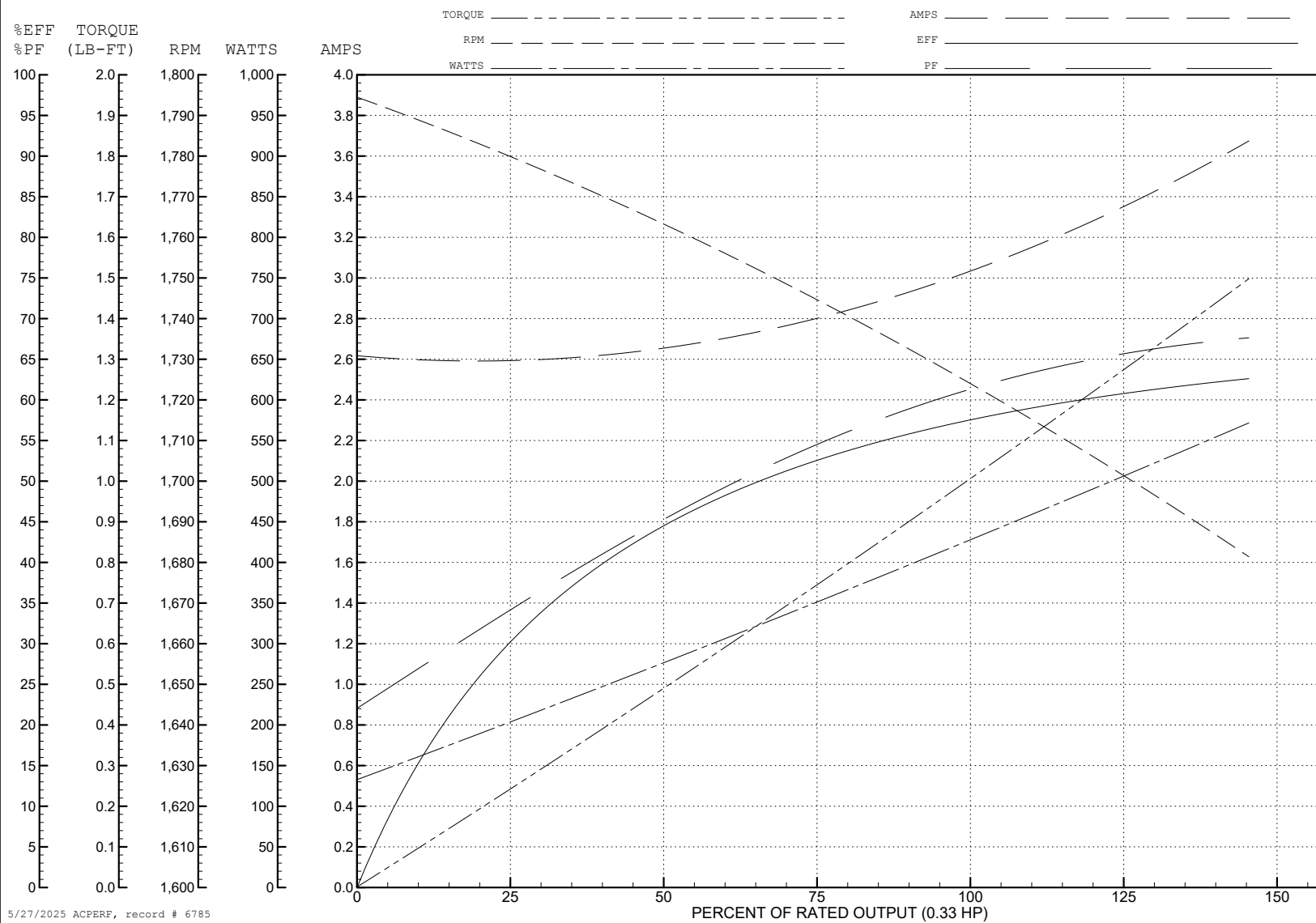
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WINDING # 34WG5597

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 1725 RPM 230 V 3414L

TORQUES (LB-FT): PO=2.95 PU=2.55 LR=3.6 LRA=13



AC Induction Motor Performance Data

Record # 39599

Typical performance - not guaranteed values

Winding: 34WG5597-R002			Type: 3414L		Enclosure: XPFC		
Nameplate Data			115 V, 60 Hz: Low Voltage Connection				
Rated Output (HP)		.33	Full Load Torque		1 LB-FT		
Volts		115/208-230	Start Configuration		direct on line		
Full Load Amps		6/3.2-3	Breakdown Torque		2.95 LB-FT		
R.P.M.		1725	Pull-up Torque		2.55 LB-FT		
Hz	60	Phase	1	Locked-rotor Torque		3.6 LB-FT	
NEMA Design Code		N	KVA Code	L	Starting Current		26 A
Service Factor (S.F.)		1		No-load Current		5.2 A	
NEMA Nom. Eff.		60	Power Factor	60	Line-line Res. @ 25°C		1.5 Ω A Ph 4.81 Ω B Ph
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		59°C	

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	32	49	55	59	65	68
Efficiency	32.9	41	52.1	60.1	61.6	61.5
Speed	1780	1760	1745	1725	1705	1680
Line amperes	5.2	5.4	5.6	6	6.6	7.4

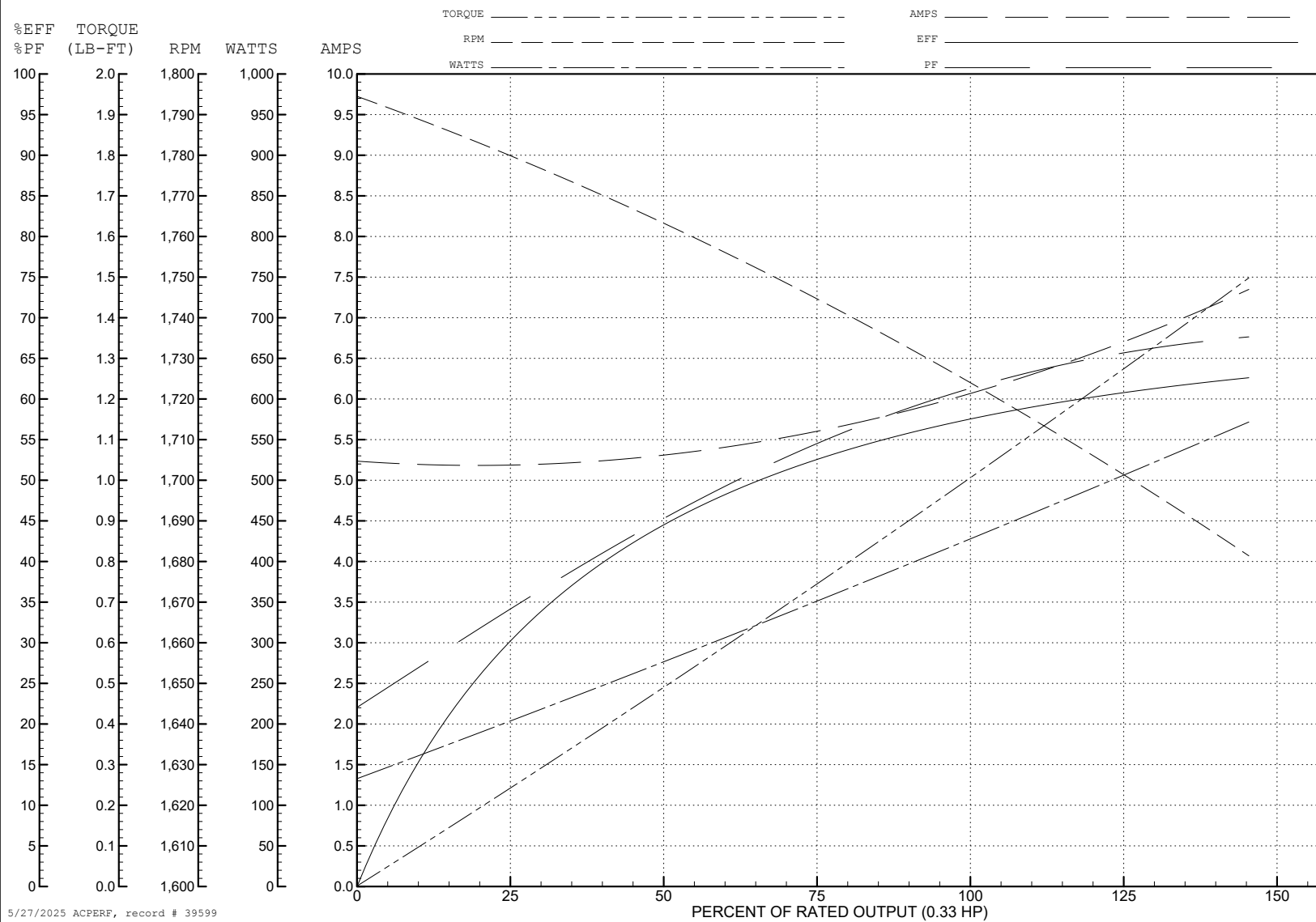
ABB Motors and Mechanical Inc.

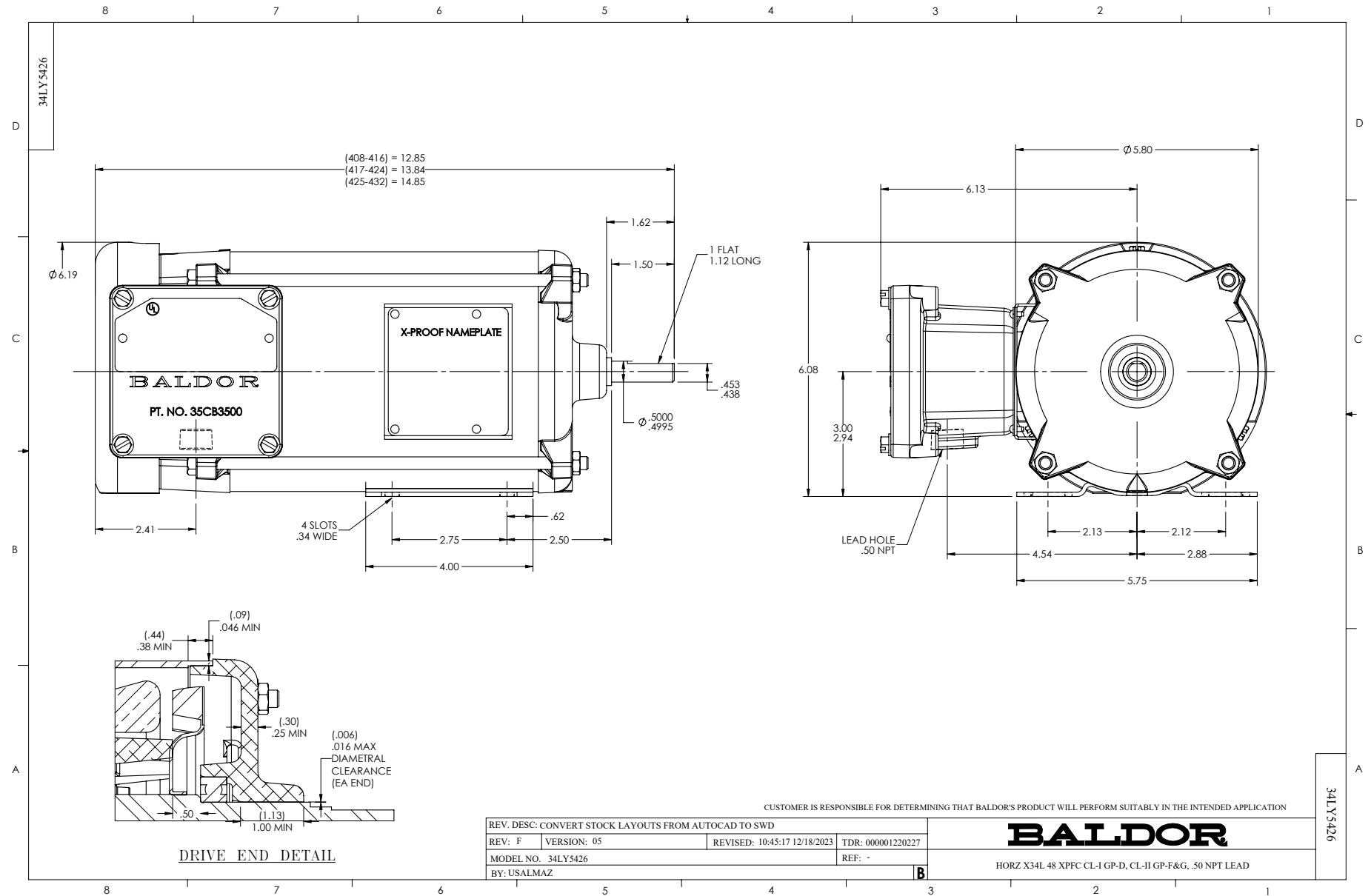
WINDING # 34WG5597

Typical performance - not guaranteed values.

0.33 HP 1 PH 60 HZ 1725 RPM 115 V 3414L

TORQUES (LB-FT) : PO=2.95 PU=2.55 LR=3.6 LRA=26





CD0565

