

BALDOR[®] • RELIANCE 

Product Information Packet

XL050242A

.25HP, 1725RPM, 1PH, 60HZ, 56, 3414L, XPFC, F1

Part Detail							
Revision:	C	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	34WGY855	CD Diagram:	CD0565	Mfg Plant:	
Mech. Spec:		Layout:	34LY5492	Poles:	04	Created Date:	04-21-2021
Base:		Eff. Date:	07-01-2022	Leads:	7#18		

Specs			
Catalog Number:	XL050242A	Feedback Device:	NO FEEDBACK
Enclosure:	XPFC	Heater Indicator:	No Heater
Frame:	56	Insulation Class:	B
Frame Material:	Steel	Inverter Code:	Not Inverter
Motor Letter Type:	Cap Start, Induction Run	IP Rating:	NONE
Output @ Frequency:	.250 HP @ 60 HZ	KVA Code:	L
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Voltage @ Frequency:	208.0 V @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
	115.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	230.0 V @ 60 HZ	Motor Type:	3414L
XP Class and Group:	CLI GP D; CLII GP F,G	Mounting Arrangement:	F1
XP Division:	Division I	Power Factor:	64
Agency Approvals:	CSA	Product Family:	Hazardous Location Motor
	UR	Pulley Face Code:	Standard
Auxillary Box:	No Auxillary Box	Rodent Screen:	None
Auxillary Box Lead Termination:	None	Shaft Ground Indicator:	No Shaft Grounding
Base Indicator:	Rigid	Shaft Rotation:	Reversible
Bearing Grease Type:	Polyrex EM (-20F +300F)	Speed Code:	Single Speed

Blower:	None	Motor Standards:	NEMA
Current @ Voltage:	4.200 A @ 115.0 V	Starting Method:	Direct on line
	2.100 A @ 230.0 V	Thermal Device - Bearing:	None
	2.000 A @ 208.0 V	Thermal Device - Winding:	None
Design Code:	N	Vibration Sensor Indicator:	No Vibration Sensor
Drip Cover:	No Drip Cover	Winding Thermal 1:	Automatic Thermal Overload
Duty Rating:	CONT	Winding Thermal 1 Location:	EP
Electrically Isolated Bearing:	Not Electrically Isolated	Winding Thermal 2:	None
		XP Temp Code:	T3C

Nameplate NP0016XPSL									
NO.		CC							
SER. #									
SPEC	34-0000-0416								
CAT.NO.	XL050242A								
H.P.	.25	T. CODE	T3C						
VOLTS	115/208-230								
AMPS	4.2/2-2.1								
R.P.M.	1725 34WGY855								
HZ	60	PH	1	CLASS	B				
SER.F.	1.00	DES	N	CODE	L				
RATING	40C AMB-CONT								
FRAME	56	NEMA NOM. EFF	62						
USABLE AT 208V		PF	64						
BLANK	NEMA MG-1 PART 5, IP54								

Parts List		
Part Number	Description	Quantity
SA393084	SA 34-0000-0416	1.000 EA
RA383702	RA 34-0000-0416	1.000 EA
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LC0008	CONNECTION LABEL	1.000 EA
NP0016XPSL	SS XP UL CSA CC CL-I GP-D CL-II GP-F&G	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100/bx) 4/22	1.000 EA
NP0018W	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 EA
TPMRG61RX	THERMAL 1PH 0.75 AUT 120C	1.000 EA
51XT0632A06	6-32X3/8 TY23 HXWS SLDSR	2.000 EA
HA6001A03	THERMAL RETAINER (PLATED)	1.000 EA
NS2500A01	INSULATOR, AUTO THER PROT	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
34FN3002A01SP	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 EA
HA3104A05	THRUBOLT, 5/16-18 X 8.375	4.000 EA
SP5036A01	STAT. SWITCH ASSY. MODEL 34 TYPE L OR S	1.000 EA
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34EP3703A01	FR ENDPLATE, MACH XP	1.000 EA
HW5100A03	WAVY WASHER (W1543-017)	1.000 EA
34EP3704A01	PU ENDPLATE, MACH XP	1.000 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

Parts List (continued)		
Part Number	Description	Quantity
HW4002A02	1-11.5X2LG PIPE NIPPLE (F/S)	1.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HA6003A52	CLAMP, CAPACITOR, WHITE ZINC PLATED	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	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
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	8.000 EA
EC1130A08SP	ELEC CAP 115V 1.125X2.750 X	1.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	6.000 EA
MG1025G29	WILKOFASST, 789.229, DARK CHARCOAL GRAY	0.014 GA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
MJ5000A09	EFI KIT #1578 (400 ML CARTRIDGE OF EFI	0.031 EA

AC Induction Motor Performance Data

Record # 36349

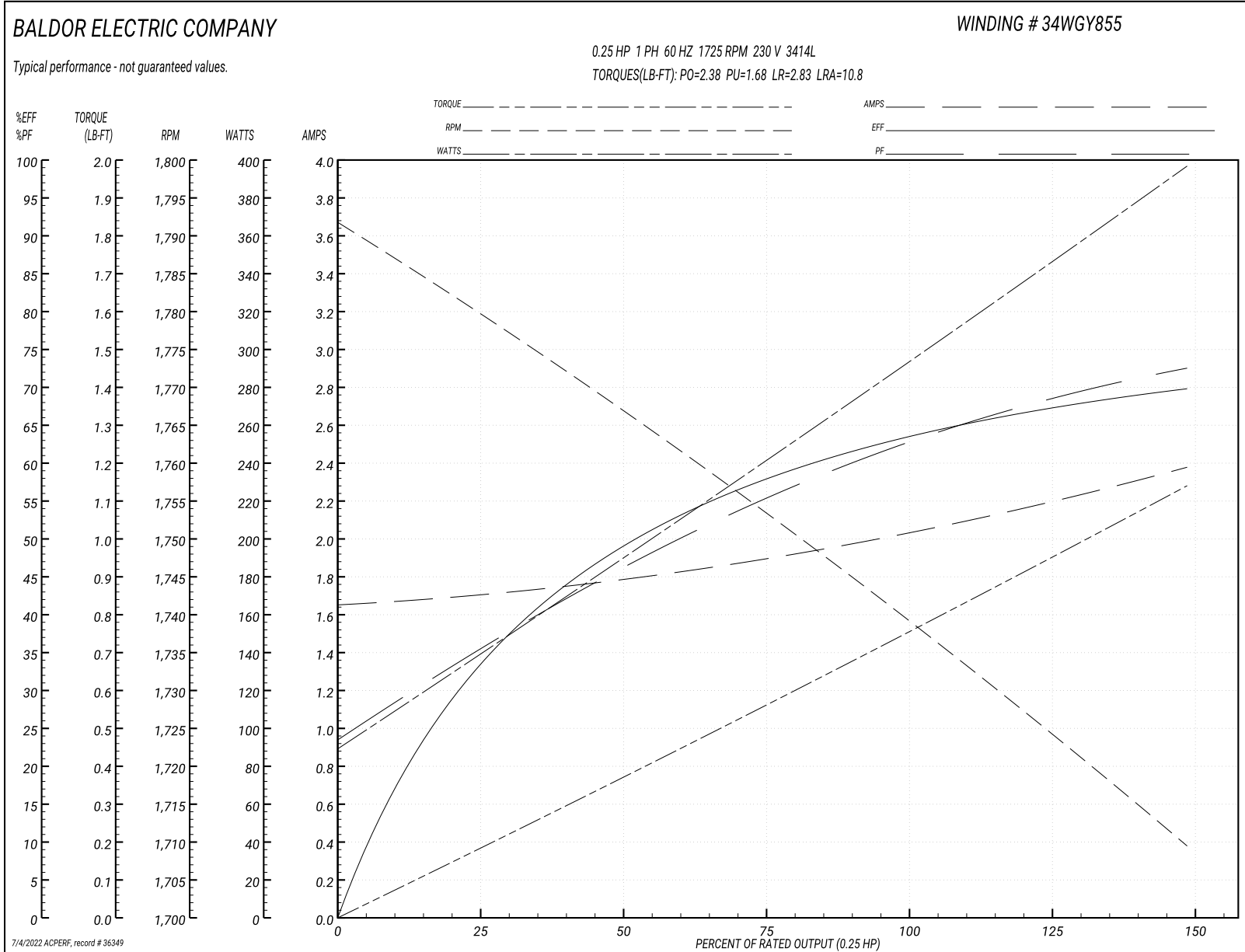
Typical performance - not guaranteed values

Winding: 34WGY855-R006		Type: 3414L		Enclosure: XPFC	
Nameplate Data			230 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	.25	Full Load Torque	0.762 LB-FT		
Volts	115/208-230	Start Configuration	direct on line		
Full Load Amps	4.2/2-2.1	Breakdown Torque	2.38 LB-FT		
R.P.M.	1725	Pull-up Torque	1.68 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	2.83 LB-FT	
NEMA Design Code	N	KVA Code	L	Starting Current	10.8 A
Service Factor (S.F.)	1		No-load Current	1.67 A	
NEMA Nom. Eff.	62	Power Factor	64	Line-line Res. @ 25°C	9.23 Ω A Ph 8.97 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	43°C	

Load Characteristics 230 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	35	47	54	64	69	72
Efficiency	35.2	50	60.6	61.8	65.7	71.6
Speed	1780	1767	1753	1738	1722	1711
Line amperes	1.69	1.78	1.88	2.07	2.23	2.35

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



AC Induction Motor Performance Data

Record # 41431

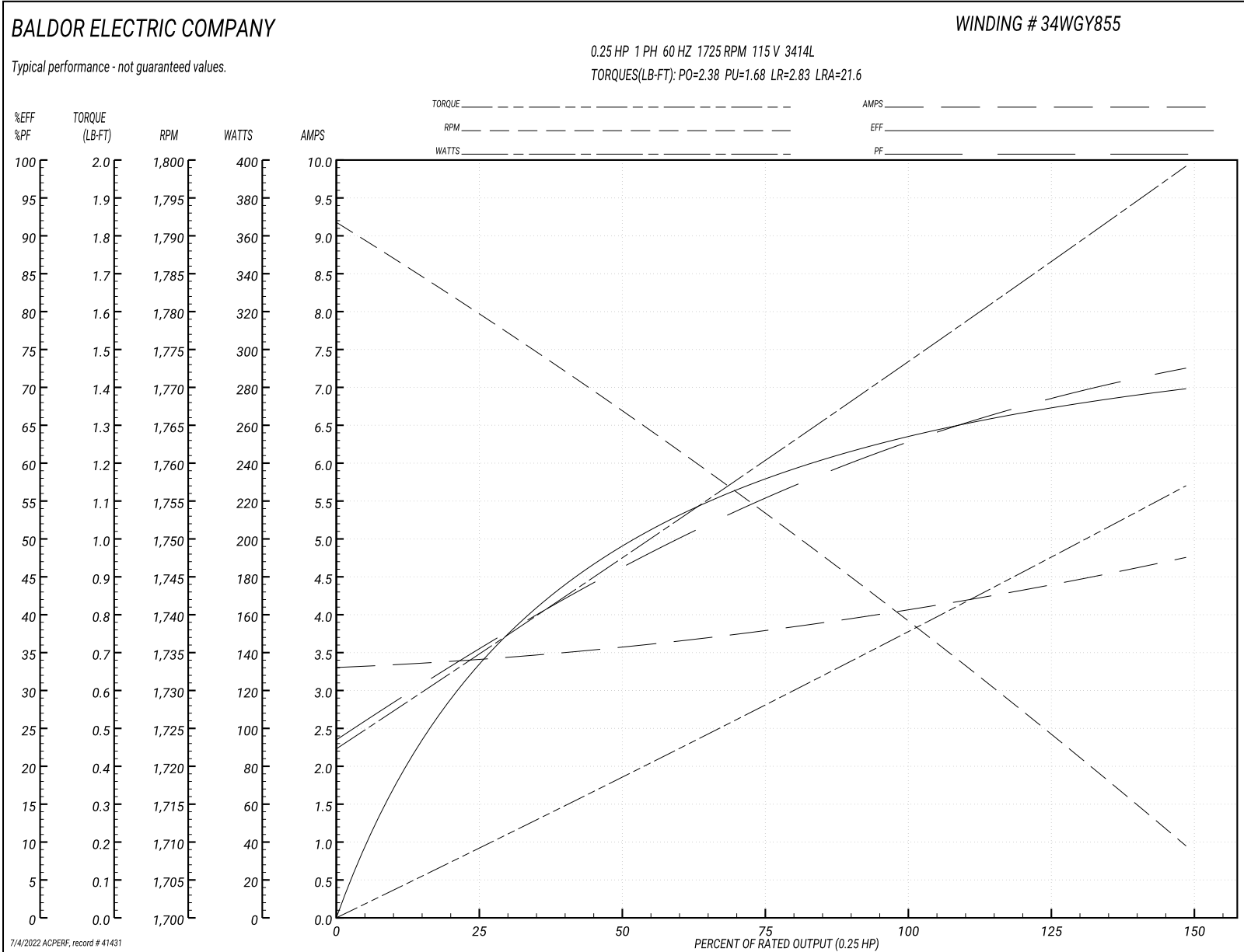
Typical performance - not guaranteed values

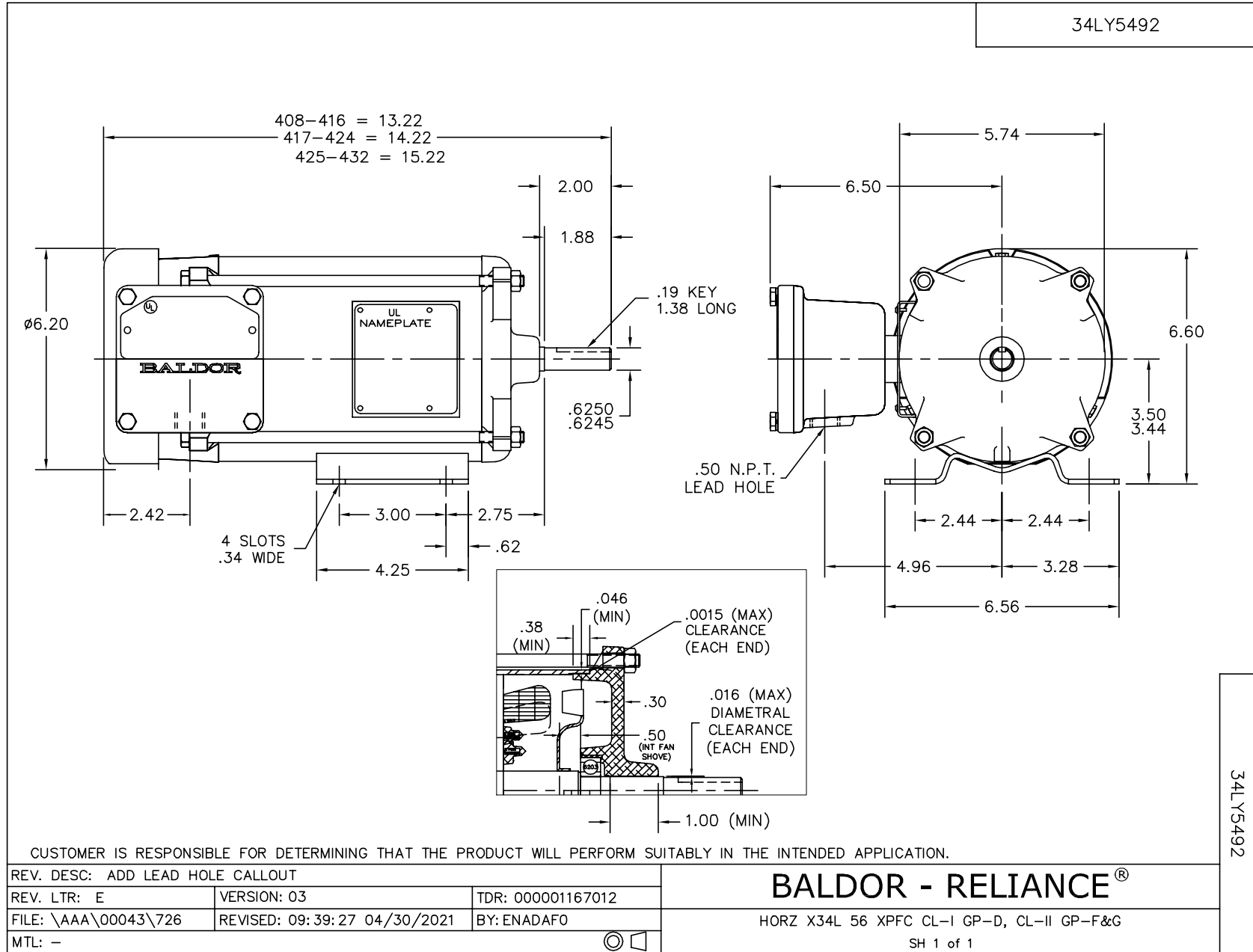
Winding: 34WGY855-R006		Type: 3414L		Enclosure: XPFC	
Nameplate Data			115 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)	.25	Full Load Torque	0.762 LB-FT		
Volts	115/208-230	Start Configuration	direct on line		
Full Load Amps	4.2/2-2.1	Breakdown Torque	2.38 LB-FT		
R.P.M.	1725	Pull-up Torque	1.68 LB-FT		
Hz	60 Phase	1	Locked-rotor Torque	2.83 LB-FT	
NEMA Design Code	N	KVA Code	L	Starting Current	21.6 A
Service Factor (S.F.)	1		No-load Current	3.34 A	
NEMA Nom. Eff.	62	Power Factor	64	Line-line Res. @ 25°C	2.22 Ω A Ph 8.87 Ω B Ph
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load		

Load Characteristics 115 V, 60 Hz, 0.25 HP

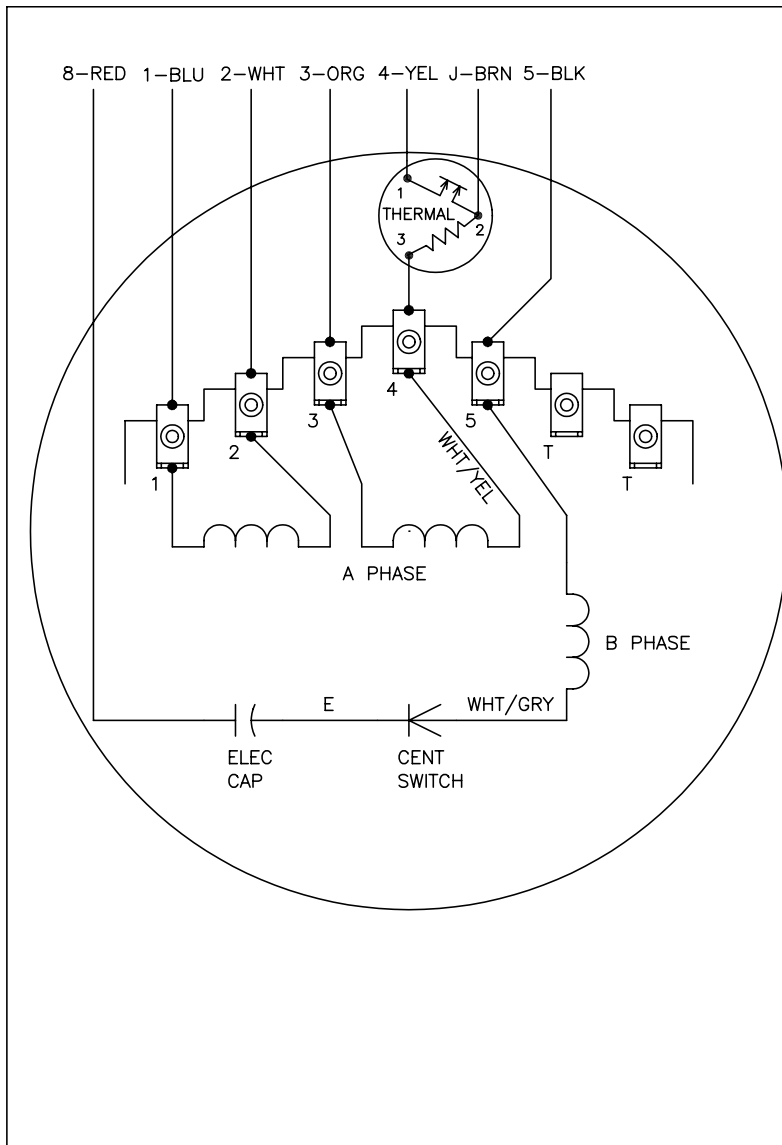
% of Rated Load	25	50	75	100	125	150
Power Factor	35	47	55	64	69	72
Efficiency	35.2	50	60.6	61.9	65.6	71.2
Speed	1780	1767	1753	1738	1722	1711
Line amperes	3.38	3.56	3.76	4.14	4.46	4.7

Performance Graph at 115V, 60Hz, 0.25HP Typical performance - Not guaranteed values





CD0565

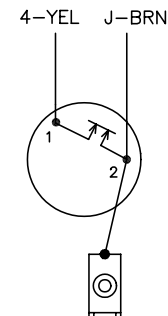


	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4	2,3,8	J,5
HIGH OPP	1	4	2,3,5	J,8
LOW STD	1,3,8	4	-	2,J,5
LOW OPP	1,3,5	4	-	2,J,8

NOTES:

1. STANDARD ROTATION IS CCW FACING END OPPOSITE SHAFT EXTENSION.
2. MULTIPLE CAPACITORS ARE CONNECTED IN PARALLEL UNLESS OTHERWISE SPECIFIED.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CONNECTIONS FOR TWO-TERMINAL THERMAL



REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: C	BY: JLP	REVISED: 04/08/99 3:25	TDR: 0178636
99050C		FILE: AAA00014311	MDL: -
		MTL: -	

BALDOR ELECTRIC Co.

TYPE L, DV, REV, THERMAL, 7 LD, 34XP

CD0565

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