

**BALDOR • RELIANCE**

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# Customer information packet

## CXL14222T

2HP, 3450RPM, 1PH, 60HZ, 143TC, 3540L, XPFC, F1

Class - CLI GP D; CLII GP F,G

Division - Division I

## Specifications

Enclosure	XPFC
Frame	143TC
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	2.000 HP @ 60 HZ
Phase	1
Synchronous Speed @ Frequency	3600 RPM @ 60 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 115.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UL
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	10.500 A @ 230.0 V 11.500 A @ 208.0 V 21.000 A @ 115.0 V
Design Code	L
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	75.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater

## Part detail

Revision	F
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	35WGA0039
Layout	35LYS818
Eff. date	05-28-2024
CD Diagram	CD0001
Poles	02/02
Leads	4#14 A PHAS,2#18 B PHAS
Proprietary	False
Created date	04-22-2021

<b>High Voltage Full Load Amps</b>	10.5 a
<b>Insulation Class</b>	F
<b>Inverter Code</b>	Not Inverter
<b>IP Rating</b>	NONE
<b>KVA Code</b>	J
<b>Lifting Lugs</b>	No Lifting Lugs
<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Lead Termination</b>	Flying Leads
<b>Motor Standards</b>	NEMA
<b>Motor Type</b>	3540L
<b>Mounting Arrangement</b>	F1
<b>Number of Poles</b>	2
<b>Overall Length</b>	17.48 IN
<b>Power Factor</b>	77
<b>Product Family</b>	General Purpose
<b>Pulley Face Code</b>	C-Face
<b>Rodent Screen</b>	None
<b>Service Factor</b>	1.15
<b>Shaft Diameter</b>	0.875 IN
<b>Shaft Ground Indicator</b>	No Shaft Grounding
<b>Shaft Rotation</b>	Reversible
<b>Speed</b>	3450 rpm
<b>Speed Code</b>	Single Speed
<b>Starting Method</b>	Direct on line
<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None

**Nameplate**

NP1426XPSL				
<b>NO.</b>		<b>CC</b>		
<b>SER.</b>				
<b>SPEC.</b>	35-0000-1106			
<b>CAT.NO.</b>	CXL14222T			
<b>HP</b>	2	<b>T. CODE</b>	T3C	
<b>VOLTS</b>	115/208-230			
<b>AMPS</b>	21/11.5-10.5			
<b>RPM</b>	3450			
<b>HZ</b>	60	<b>PH</b>	1	<b>CL F</b>
<b>SER.F.</b>	1.15	<b>DES</b>	L	<b>CODE J</b>
<b>RATING</b>	40C AMB-CONT			
<b>FRAME</b>	143TC	<b>NEMA-NOM-EFF</b>	75.5	
	<b>PF</b>	77		
<b>BLANK</b>	NEMA MG-1 PART 5, IP54			

**AC Induction Motor Performance Data**

Record # 23177

Typical performance - not guaranteed values

<b>Winding: 35WGR422-R001</b>		<b>Type: 3540L</b>		<b>Enclosure: TEFC</b>	
<b>Nameplate Data</b>			<b>230 V, 60 Hz: High Voltage Connection</b>		
<b>Rated Output (HP)</b>	2		<b>Full Load Torque</b>	3 LB-FT	
<b>Volts</b>	115/208-230		<b>Start Configuration</b>	direct on line	
<b>Full Load Amps</b>	22/11.5-11		<b>Breakdown Torque</b>	10.2 LB-FT	
<b>R.P.M.</b>	3450		<b>Pull-up Torque</b>	3.28 LB-FT	
<b>Hz</b>	<b>60 Phase</b>	1	<b>Locked-rotor Torque</b>	5.58 LB-FT	
<b>NEMA Design Code</b>	<b>L KVA Code</b>	L	<b>Starting Current</b>	77.3 A	
<b>Service Factor (S.F.)</b>	1.15		<b>No-load Current</b>	6.3 A	
<b>NEMA Nom. Eff.</b>	<b>75.5 Power Factor</b>	77	<b>Line-line Res. @ 25°C</b>	0.76 Ω A Ph 1.28 Ω B Ph	
<b>Rating - Duty</b>	40C AMB-CONT		<b>Temp. Rise @ Rated Load</b>	68°C	
<b>S.F. Amps</b>			<b>Temp. Rise @ S.F. Load</b>	77°C	

**Load Characteristics 230 V, 60 Hz, 2 HP**

<b>% of Rated Load</b>	<b>25</b>	<b>50</b>	<b>75</b>	<b>100</b>	<b>125</b>	<b>150</b>	<b>S.F.</b>
<b>Power Factor</b>	41	58	70	77	81	84	79
<b>Efficiency</b>	59.1	70.6	74.3	76.2	76.3	74.8	76.3
<b>Speed</b>	3570	3550	3528	3504	3476	3444	3487
<b>Line amperes</b>	6.9	8	9.4	11.1	13	15.2	12.24

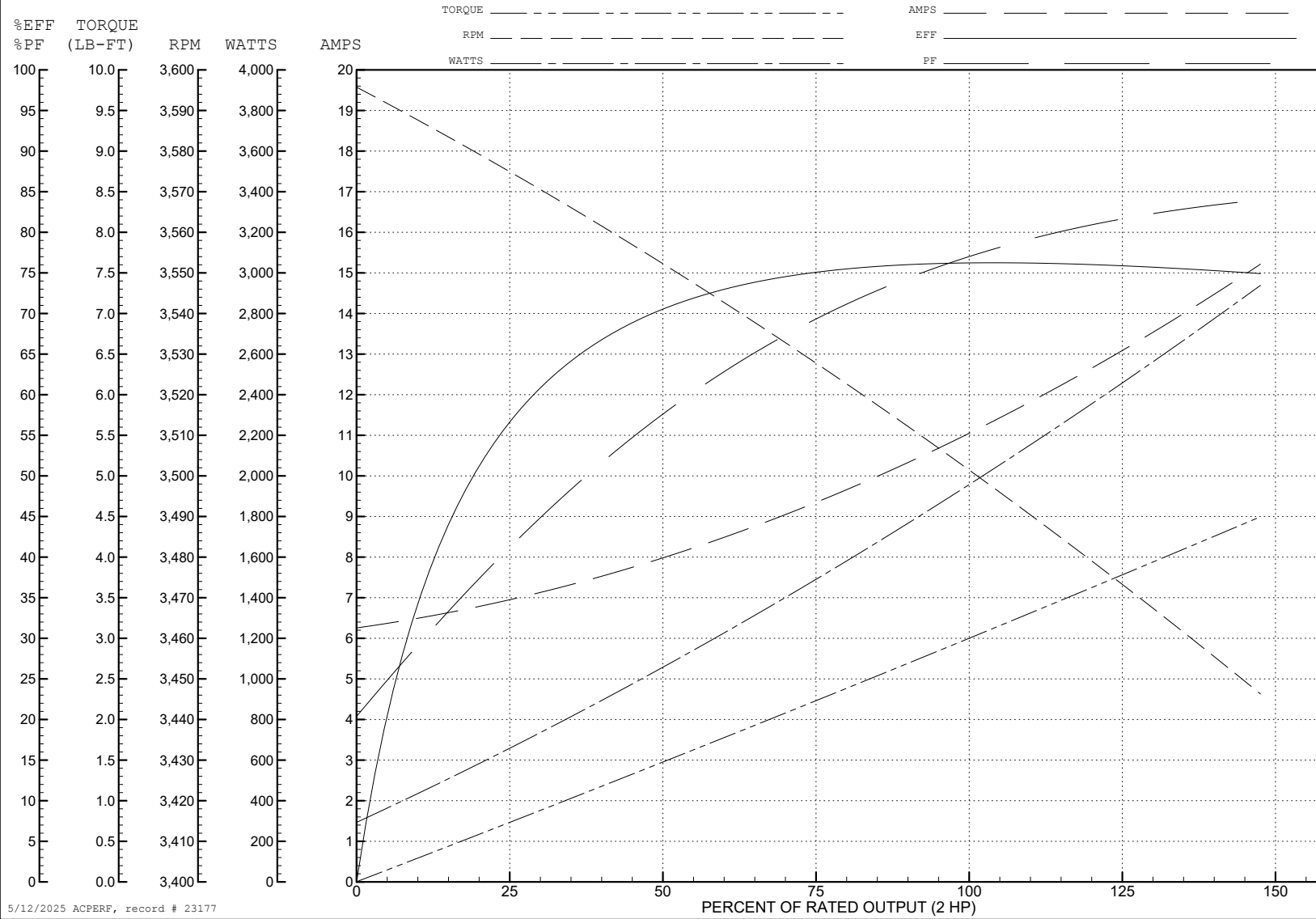
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WINDING # 35WGR422

Typical performance - not guaranteed values.

2 HP 1 PH 60 HZ 3450 RPM 230 V 3540L

TORQUES (LB-FT): PO=10.2 PU=3.28 LR=5.58 LRA=77.3



5/12/2025 ACPERF, record # 23177

**AC Induction Motor Performance Data**

Record # 88045

Typical performance - not guaranteed values

Winding: 35WGA0039-R001		Type: 3540L		Enclosure: XPFC	
<b>Nameplate Data</b>			<b>115 V, 60 Hz: Low Voltage Connection</b>		
Rated Output (HP)	2		Full Load Torque	3.01 LB-FT	
Volts	115/208-230		Start Configuration	Unknown	
Full Load Amps	21/11.5-10.5		Breakdown Torque	8.8 LB-FT	
R.P.M.	3450		Pull-up Torque	3 LB-FT	
Hz	60 Phase	1	Locked-rotor Torque	6.3 LB-FT	
NEMA Design Code	L KVA Code	J	Starting Current	131 A	
Service Factor (S.F.)	1.15		No-load Current	9.68 A	
NEMA Nom. Eff.	75.5 Power Factor	77	Line-line Res. @ 25°C	0.192 Ω A Ph 1.53 Ω B Ph	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	59°C	
S.F. Amps	23.3/12.9-11.6		Temp. Rise @ S.F. Load	69°C	
			Locked-rotor Power Factor	68.4	
			Rotor inertia	0.111 lb-ft <sup>2</sup>	

**Load Characteristics 115 V, 60 Hz, 2 HP**

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	64	75	80	83	85	82
Efficiency	64.7	74.6	77.1	78.2	77.6	75.4	77.8
Speed	3568	3545	3520	3492	3459	3421	3472
Line amperes	11.18	13.77	16.94	20.7	24.86	29.71	23.2

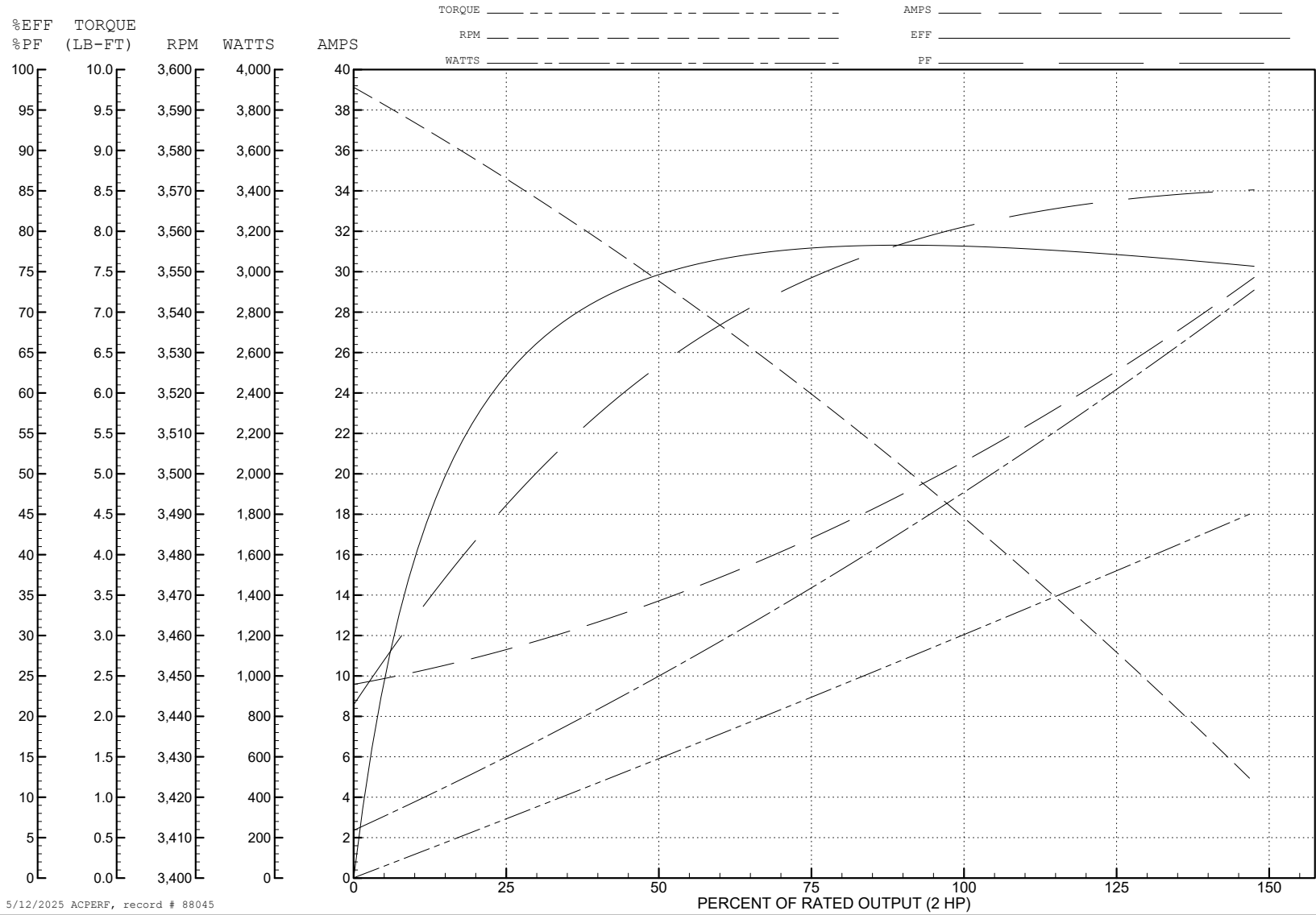
ABB Motors and Mechanical Inc.

WINDING # 35WGA0039

Typical performance - not guaranteed values.

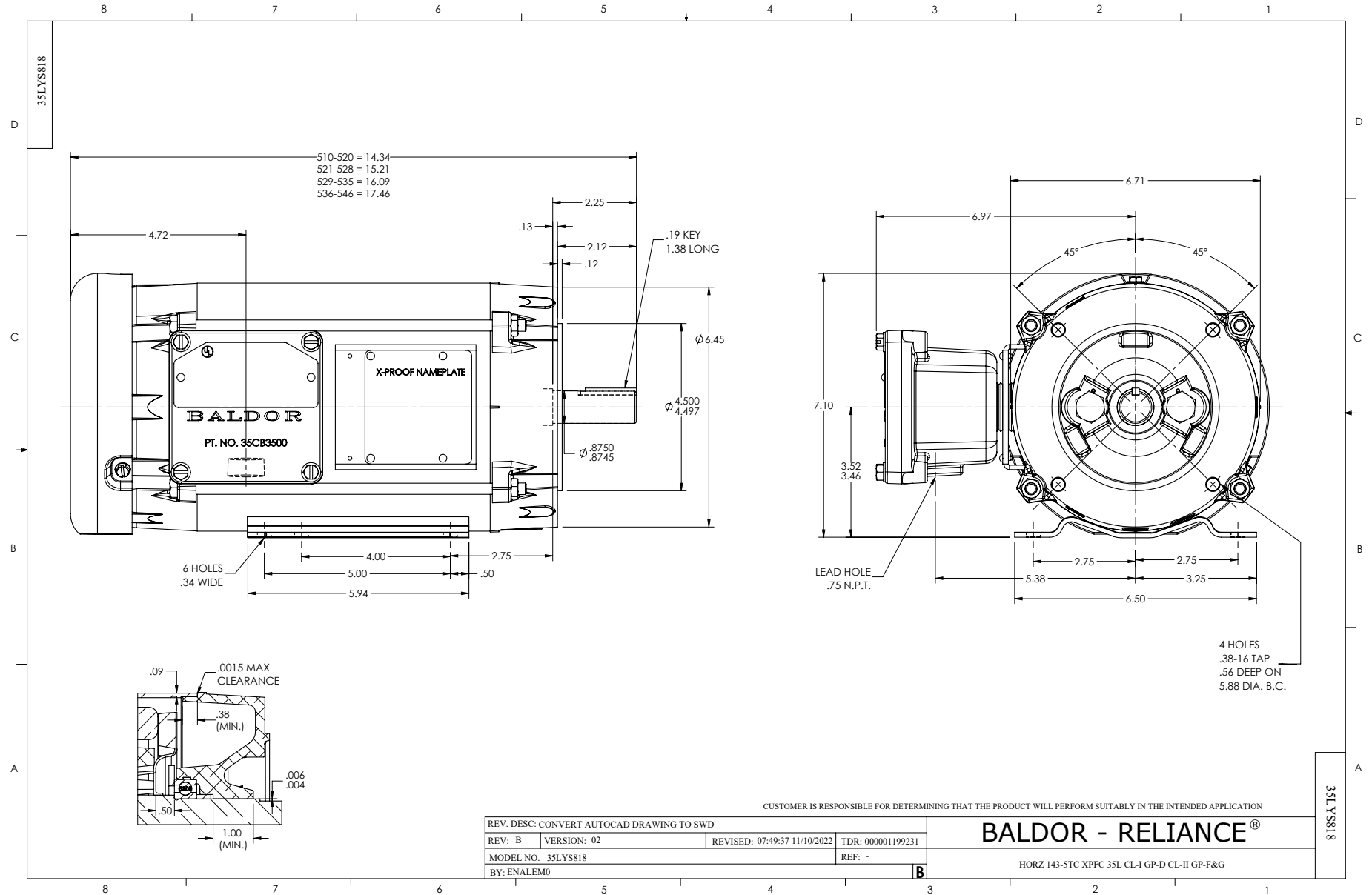
2 HP 1 PH 60 HZ 3450 RPM 115 V 3540L

TORQUES (LB-FT): PO=8.8 PU=3 LR=6.3 LRA=131

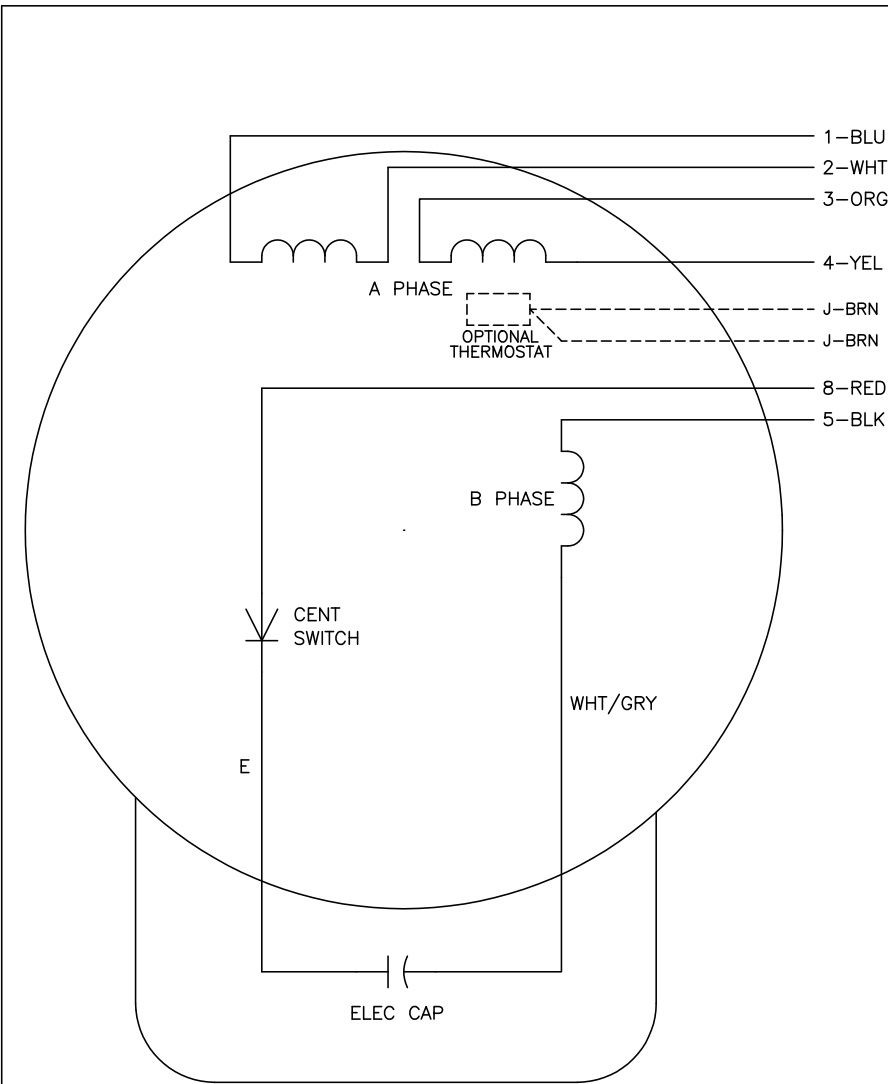


5/12/2025 ACPERF, record # 88045





CD0001



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

**NOTES:**

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

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
REV. LTR: D	BY: JLP	REVISED: 04/08/99 1:16	TDR: 0178636
100000		FILE: AAA00007405	MDL: -
		MTL: -	

**BALDOR ELECTRIC Co.**

TYPE L, DV, REV, 6 LEADS

CD0001