BALDOR • RELIANCE

Product Information Packet

L1322T

2HP,1725RPM,1PH,60HZ,145T,3532LC,OPEN,F1

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Part Detail

Revision:	L	**Status:**	PRD/A	**Change #:**		**Proprietary:**	No
Type:	AC	**Elec. Spec:**	35WGX966	**CD Diagram:**	CD0016A01	**Mfg Plant:**	
Mech. Spec:	35EE002	**Layout:**	35LYEE002	**Poles:**	04	**Created Date:**	12-22-2009
Base:	RG	**Eff. Date:**	08-21-2017	**Leads:**	4#14 A PH,3#18 B PH		

Specs

Catalog Number:	L1322T	**Heater Indicator:**	No Heater
Product Complexity Level:	Standard	**Insulation Class:**	F
Enclosure:	OPEN	**Inverter Code:**	Not Inverter
Frame:	145T	**KVA Code:**	J
Frame Material:	Steel	**Lifting Lugs:**	No Lifting Lugs
Output @ Frequency:	2.000 HP @ 60 HZ	**Locked Bearing Indicator:**	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	**Motor Lead Quantity/Wire Size:**	4 @ 14 AWG, A PH
Voltage @ Frequency:	115.0 V @ 60 HZ	**Motor Lead Exit:**	Ko Box
	230.0 V @ 60 HZ	**Motor Lead Termination:**	Flying Leads
	208.0 V @ 60 HZ	**Motor Type:**	3532LC
XP Class and Group:	None	**Mounting Arrangement:**	F1
XP Division:	Not Applicable	**Power Factor:**	85
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)	**Shaft Extension Location:**	Pulley End

Blower:	None	**Shaft Ground Indicator:**	No Shaft Grounding
Current @ Voltage:	20.400 A @ 115.0 V	**Shaft Rotation:**	Reversible
	10.300 A @ 208.0 V	**Shaft Slinger Indicator:**	No Slinger
	10.200 A @ 230.0 V	**Speed Code:**	Single Speed
Design Code:	L	**Motor Standards:**	NEMA
Drip Cover:	No Drip Cover	**Starting Method:**	Direct on line
Duty Rating:	CONT	**Thermal Device - Bearing:**	None
Electrically Isolated Bearing:	Not Electrically Isolated	**Thermal Device - Winding:**	None
Feedback Device:	NO FEEDBACK	**Vibration Sensor Indicator:**	No Vibration Sensor
Front Face Code:	Standard	**Winding Thermal 1:**	None
Front Shaft Indicator:	None	**Winding Thermal 2:**	None

Nameplate NP1256L

CAT.NO.	L1322T								
SPEC.	35EE002X966								
HP	2								
VOLTS	115/208-230								
AMP	20.4/10.3-10.2								
RPM	1725								
FRAME	145T			**HZ**	60			**PH**	1
SER.F.	1.15		**CODE**	J		**DES**	L	**CLASS**	F
NEMA-NOM-EFF	75.5		**PF**	85					
RATING	40C AMB-CONT								
CC					**USABLE AT 208V**				
DE	6205			**ODE**	6203				
ENCL	OPEN	**SN**							

AC Induction Motor Performance Data
Record # 61956
Typical performance - not guaranteed values

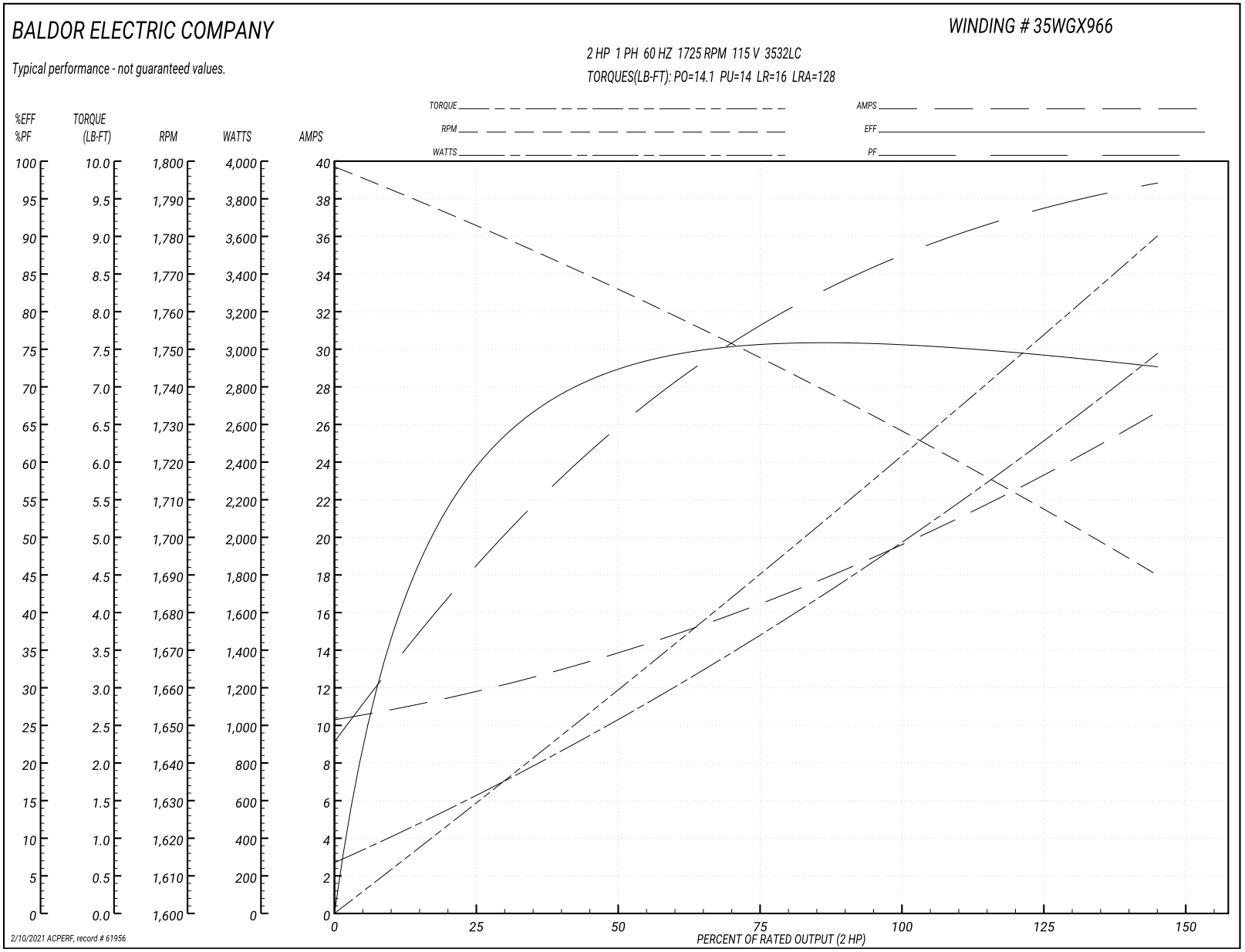
Winding: 35WGX966-R008	**Type:** 3532LC	**Enclosure:** OPEN

Nameplate Data			**115 V, 60 Hz: Low Voltage Connection**	
Rated Output (HP)		2	**Full Load Torque**	6 LB-FT
Volts		115/208-230	**Start Configuration**	direct on line
Full Load Amps		20.4/10.3-10.2	**Breakdown Torque**	14.1 LB-FT
R.P.M.		1725	**Pull-up Torque**	14 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	16 LB-FT
NEMA Design Code	L **KVA Code**	J	**Starting Current**	128 A
Service Factor (S.F.)		1.15	**No-load Current**	10.8 A
NEMA Nom. Eff.	75.5 **Power Factor**	85	**Line-line Res. @ 25ºC**	0.34 Ω A Ph 1.11 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	68°C
S.F. Amps			**Temp. Rise @ S.F. Load**	80°C
			Locked-rotor Power Factor	90.1
			Rotor inertia	0.19 LB-FT2

Load Characteristics 115 V, 60 Hz, 2 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	50	67	79	85	89	100	87
Efficiency	58	73	75.8	75.9	74.2	72.7	74.9
Speed	1782	1767	1750	1729	1705	1693	1715
Line amperes	11.4	13.4	16.2	19.8	24	25.8	22.3

Performance Graph at 115V, 60Hz, 2.0HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data
Record # 68038
Typical performance - not guaranteed values

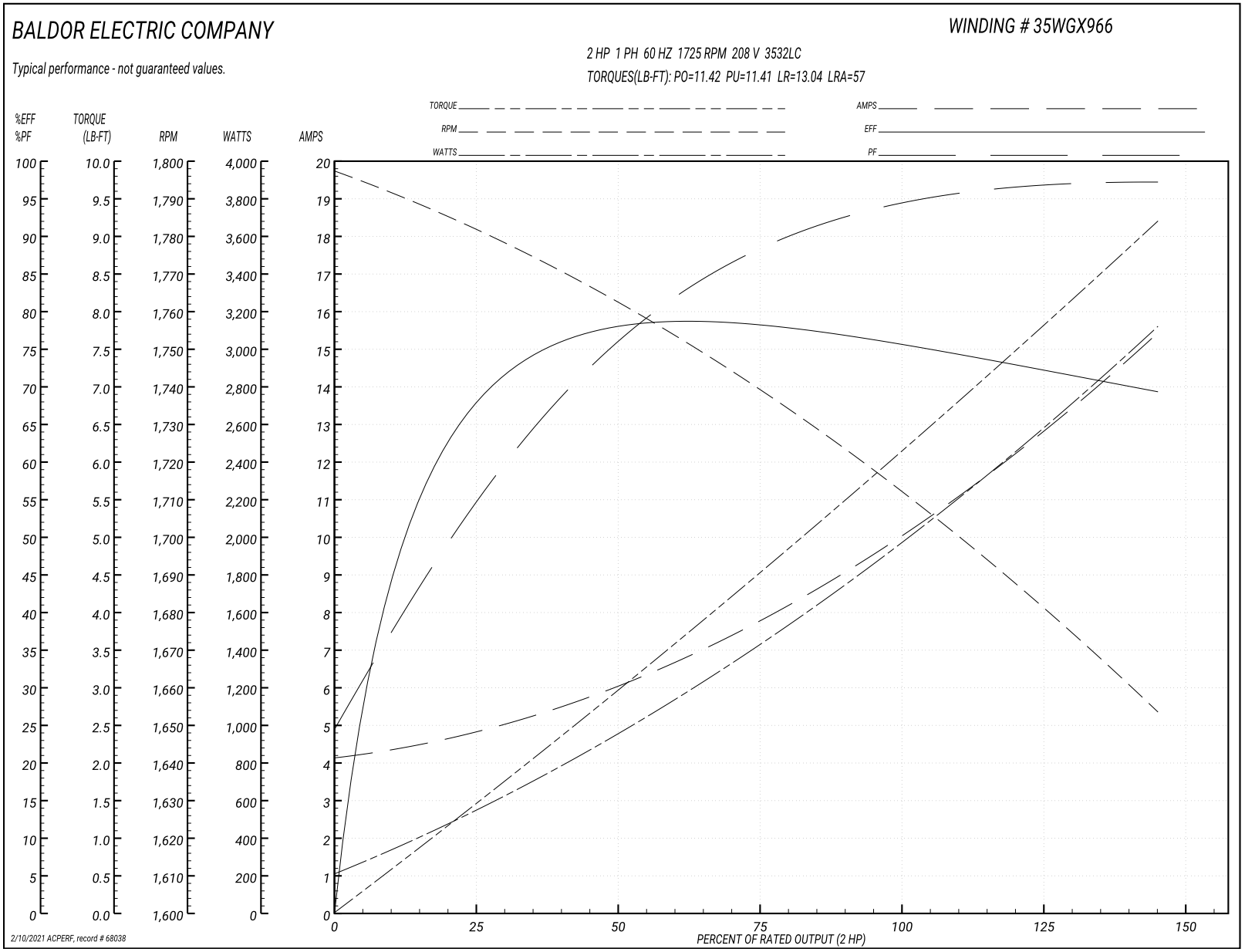
Winding: 35WGX966-R008 **Type:** 3532LC **Enclosure:** OPEN

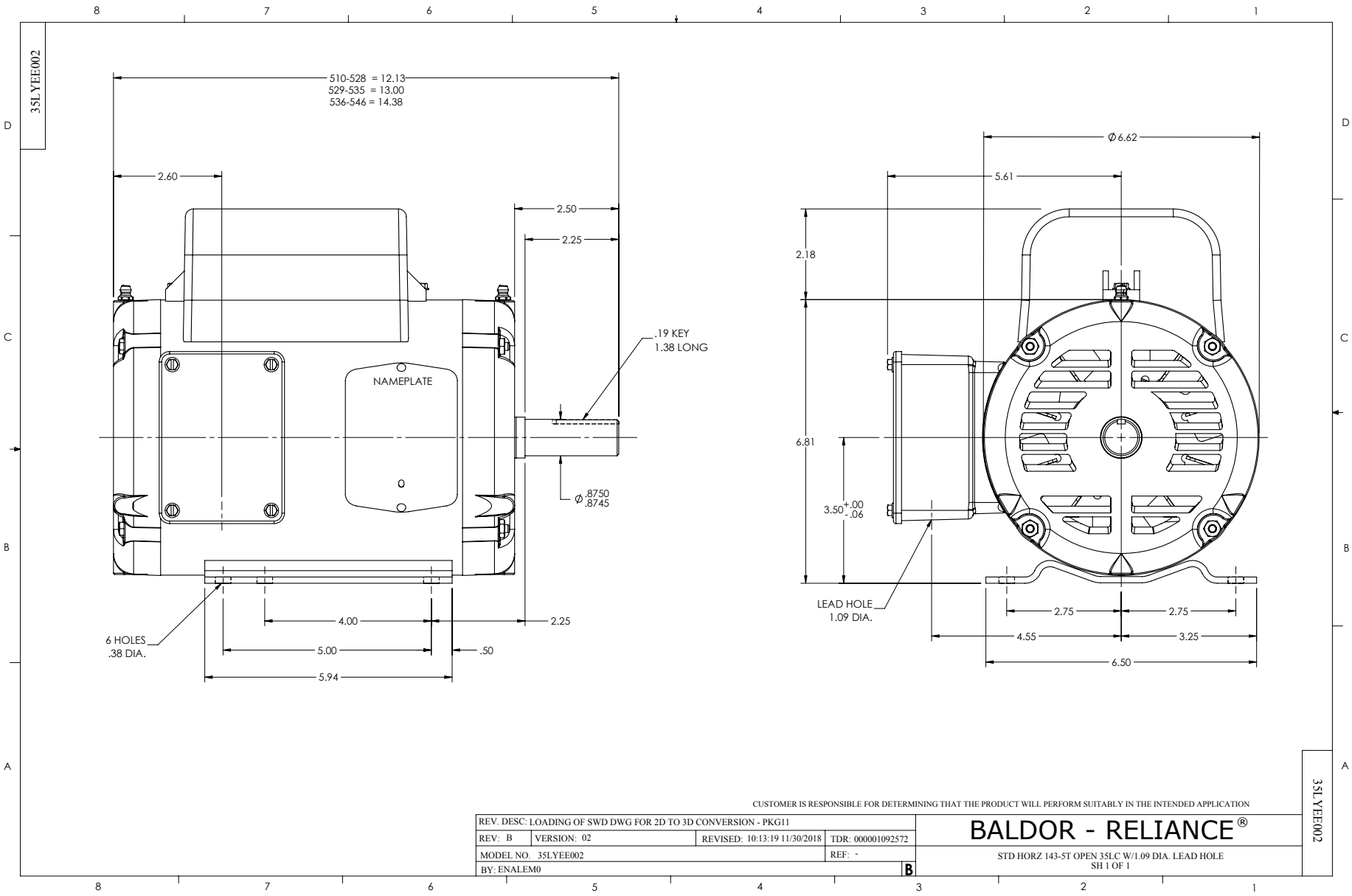
Nameplate Data			208 V, 60 Hz: High Voltage Connection	
Rated Output (HP)		2	**Full Load Torque**	6.05 LB-FT
Volts		115/208-230	**Start Configuration**	direct on line
Full Load Amps		20.4/10.3-10.2	**Breakdown Torque**	11.42 LB-FT
R.P.M.		1725	**Pull-up Torque**	11.41 LB-FT
Hz	60 **Phase**	1	**Locked-rotor Torque**	13.04 LB-FT
NEMA Design Code	L **KVA Code**	J	**Starting Current**	57 A
Service Factor (S.F.)		1.15	**No-load Current**	4.28 A
NEMA Nom. Eff.	75.5 **Power Factor**	85	**Line-line Res. @ 25ºC**	0.34 Ω A Ph 1.11 Ω B Ph
Rating - Duty		40C AMB-CONT	**Temp. Rise @ Rated Load**	65°C
S.F. Amps			**Temp. Rise @ S.F. Load**	84°C
			Locked-rotor Power Factor	90
			Rotor inertia	0.19 LB-FT2

Load Characteristics 208 V, 60 Hz, 2 HP

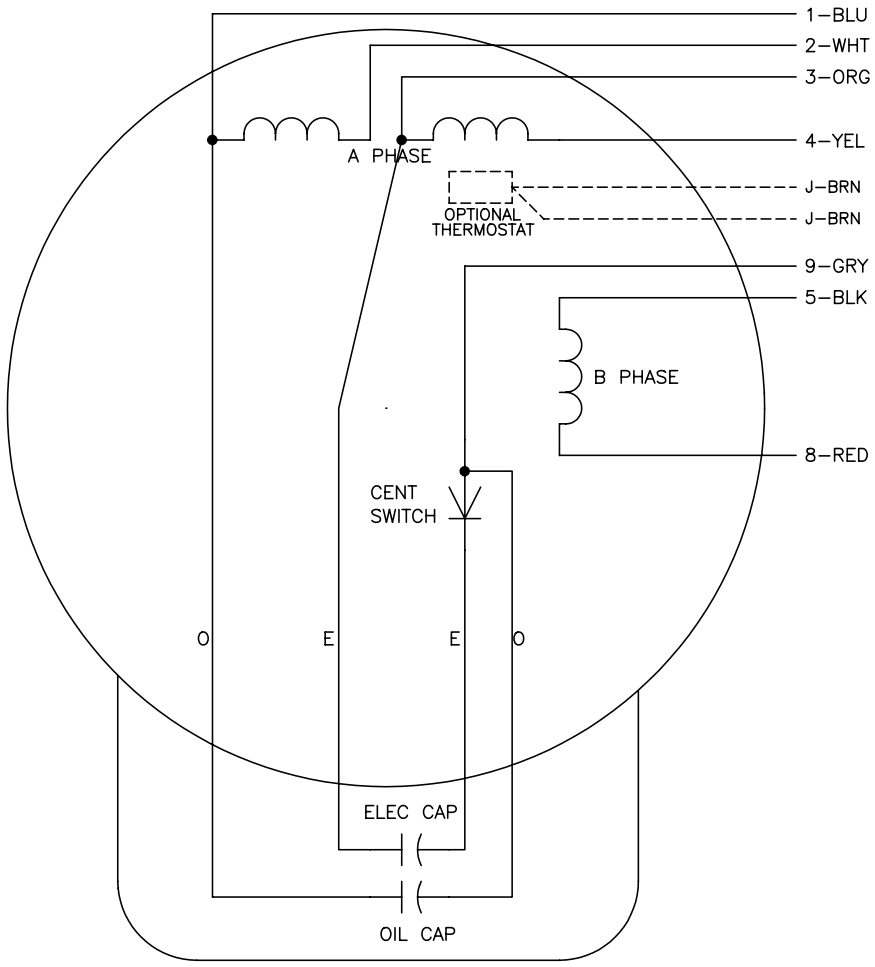
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	60	79	89	92	94	99	93
Efficiency	65	77.5	78.2	76.6	73	69	74.4
Speed	1780	1762	1741	1715	1682	1655	1695
Line amperes	4.71	5.95	7.71	10	12.76	15.2	11.7

Performance Graph at 208V, 60Hz, 2.0HP Typical performance - Not guaranteed values




35LYEE002
510-528 = 12.13
529-535 = 13.00
536-546 = 14.38
2.60
2.50
2.25
.19 KEY
1.38 LONG
NAMEPLATE
Ø .8750
.8745
6 HOLES
.38 DIA.
4.00
5.00
5.94
.50
2.25
Ø6.62
5.61
2.18
6.81
3.50 +.00 -.06
LEAD HOLE
1.09 DIA.
2.75
2.75
4.55
3.25
6.50
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: LOADING OF SWD DWG FOR 2D TO 3D CONVERSION - PKG11
REV: B
VERSION: 02
REVISED: 10:13:19 11/30/2018
TDR: 000001092572
MODEL NO. 35LYEE002
REF: -
BY: ENALEM0
B
BALDOR - RELIANCE®
STD HORZ 143-5T OPEN 35LC W/1.09 DIA. LEAD HOLE
SH 1 OF 1
35LYEE002

CD0016A01



	LINE A	LINE B	JOIN	JOIN
HIGH STD	1	4,5	2,3	8,9
HIGH OPP	1	4,8	2,3	5,9
LOW STD	1,3	2,4,5	8,9	–
LOW OPP	1,3	2,4,8	5,9	–

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: E	BY: JLP	REVISED: 04/09/99 1:19	TDR: 0178636
CD0016A01		FILE: AAA00007410	MDL: –
		MTL: –	

BALDOR ELECTRIC Co.

TYPE LC, DV, REV, OIL CAP ACR. LINE, 7 LEADS

CD0016A01