

BALDOR® • RELIANCE

Product Information Packet

GMP3348

.5HP, 1725RPM, 3PH, 60HZ, PSLH, 3320M,

Part Detail							
Revision:	J	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	33WG0673	CD Diagram:	CD0005A05	Mfg Plant:	
Mech. Spec:		Layout:	33E873-0673G2	Poles:	04	Created Date:	07-14-2014
Base:		Eff. Date:	04-18-2017	Leads:	9#18		

Specs			
Catalog Number:	GMP3348		
Frame Material:	Steel		
Output @ Frequency:	.500 HP @ 60 HZ		
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ		
Voltage @ Frequency:	460.0 V @ 60 HZ		
	230.0 V @ 60 HZ		
	208.0 V @ 60 HZ		
Agency Approvals:	CSA		
	UR		
Current @ Voltage:	1.300 A @ 460.0 V		
	2.300 A @ 208.0 V		
	2.600 A @ 208.0 V		
	2.600 A @ 230.0 V		
Design Code:	B		
Duty Rating:	CONT		
Feedback Signal:	NONE		
Heater Indicator:	No Heater		
Insulation Class:	F		

Inverter Code:	Not Inverter		
KVA Code:	-		
Motor Lead Quantity/Wire Size:	9 @ 18 AWG		
Motor Type:	3320M		
Power Factor:	54		
Product Family:	General Purpose		
RoHS Status:	ROHS COMPLIANT		
Shaft Rotation:	Reversible		
Motor Standards:	NEMA		
Starting Method:	Full Voltage		
Thermal Device - Winding:	None		
Winding Thermal 1:	None		
Winding Thermal 2:	None		

Nameplate NP1220A07	
CAT.NO.	GMP3348
SER.NO	
SPEC.	33E873-0673G2
HP	.5
VOLTS	208-230/460
AMP	2.3-2.6/1.3
HZ	60
AMB.	40
CAP	
SER.F.	1.00
R.P.M.	172.5
TORQ/IN LB	164
RATIO	10:1
APRV-CSA	

PH	3
DUTY	CONT
CODE	-
CLASS	F
APRV-UL	

AC Induction Motor Performance Data

Record # 21905 - Typical performance - not guaranteed values

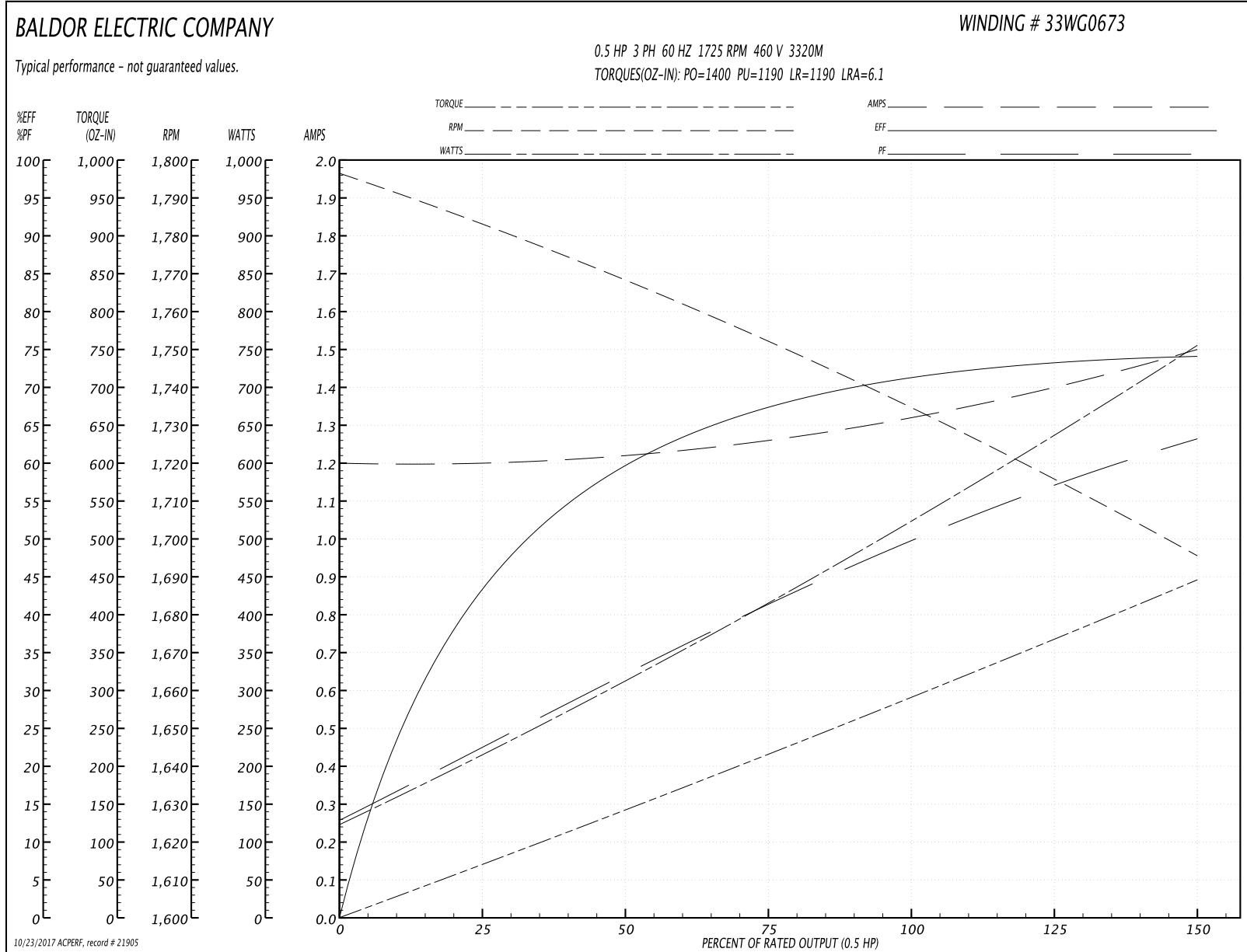
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	291.2 OZ-IN
Volts	460			Start Configuration	direct on line
Full Load Amps	1.2			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	6.1 A
Service Factor (S.F.)	1			No-load Current	1.2 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	28.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	
				Locked-rotor Power Factor	69
				Rotor inertia	43.1 LB-FT ²

Load Characteristics 460 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	23	32	41	50	57	63
Efficiency	43.2	59.5	67.4	71.4	73.4	74
Speed	1782	1769	1752	1734	1717	1695
Line amperes	1.2	1.22	1.26	1.32	1.4	1.5

Performance Graph at 460V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 21907 - Typical performance - not guaranteed values

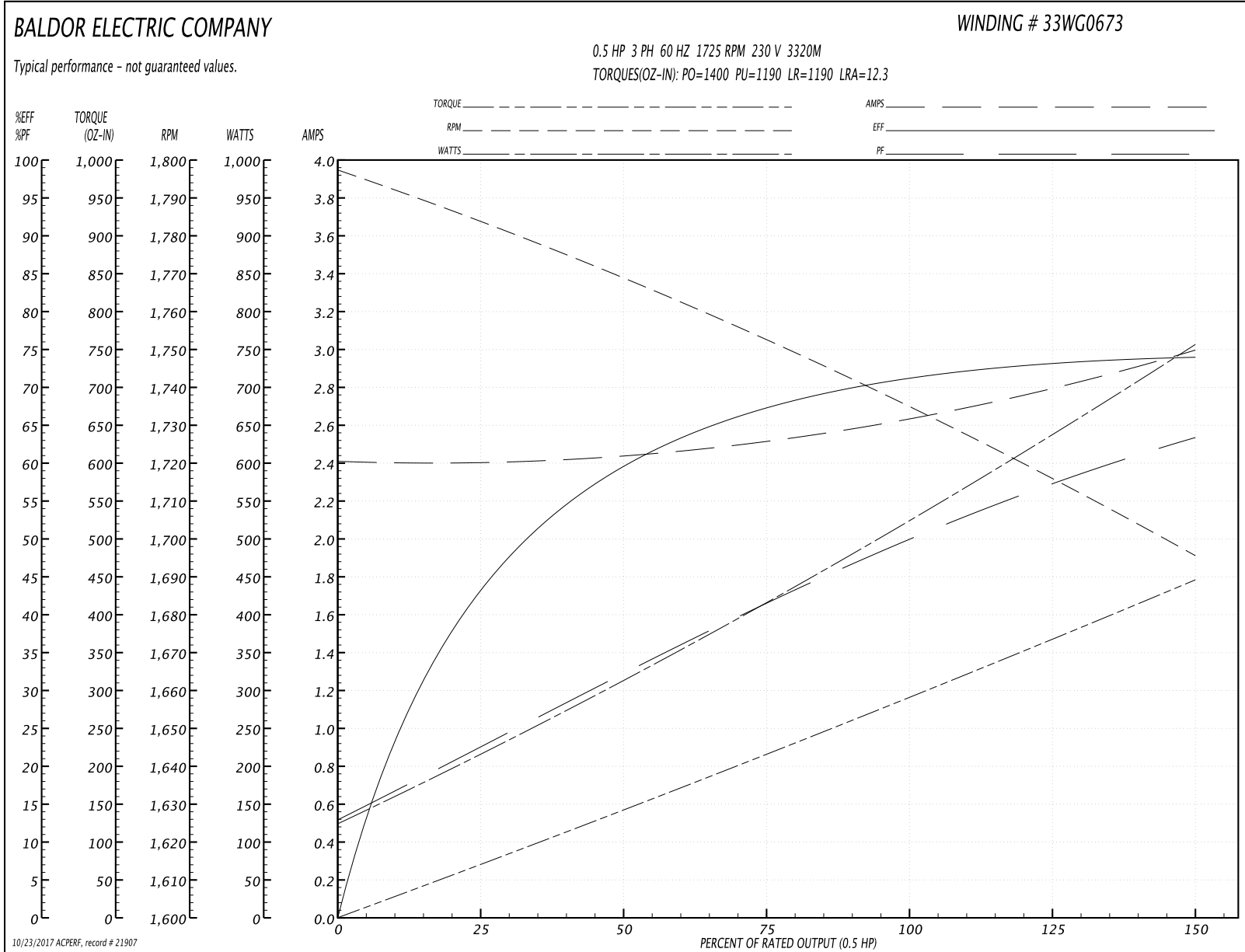
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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Nameplate Data				230 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	290.6 OZ-IN
Volts	230			Start Configuration	direct on line
Full Load Amps	2.4			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	12.3 A
Service Factor (S.F.)	1			No-load Current	2.41 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	7.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 230 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	23	32	41	50	57	63
Efficiency	43.1	59.4	67.2	71.4	73.4	73.8
Speed	1785	1768	1752	1735	1717	1695
Line amperes	2.4	2.44	2.52	2.63	2.79	3

Performance Graph at 230V, 60Hz, 0.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 21908 - Typical performance - not guaranteed values

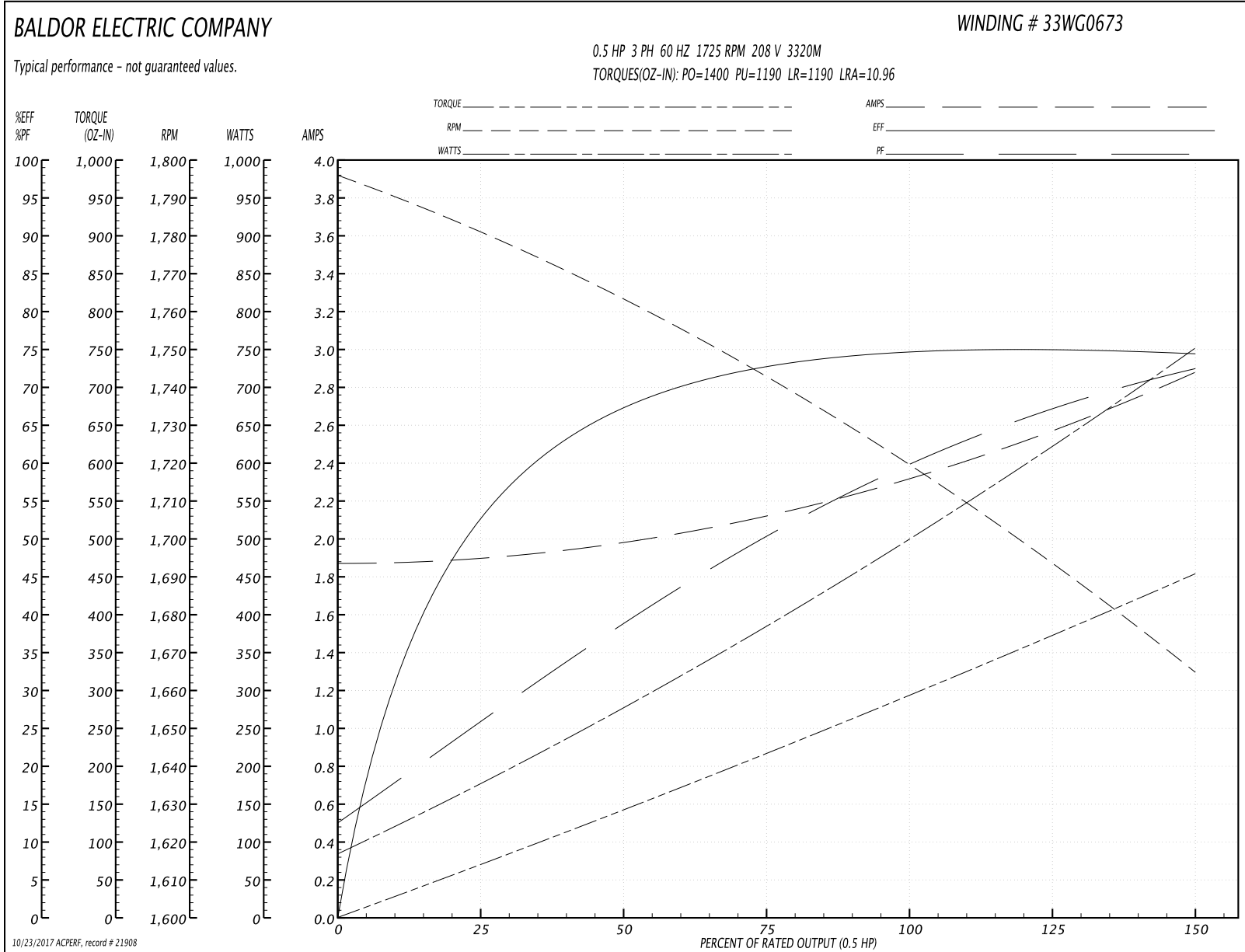
Winding: 33WG0673-R012	Type: 3320M	Enclosure: TEFC
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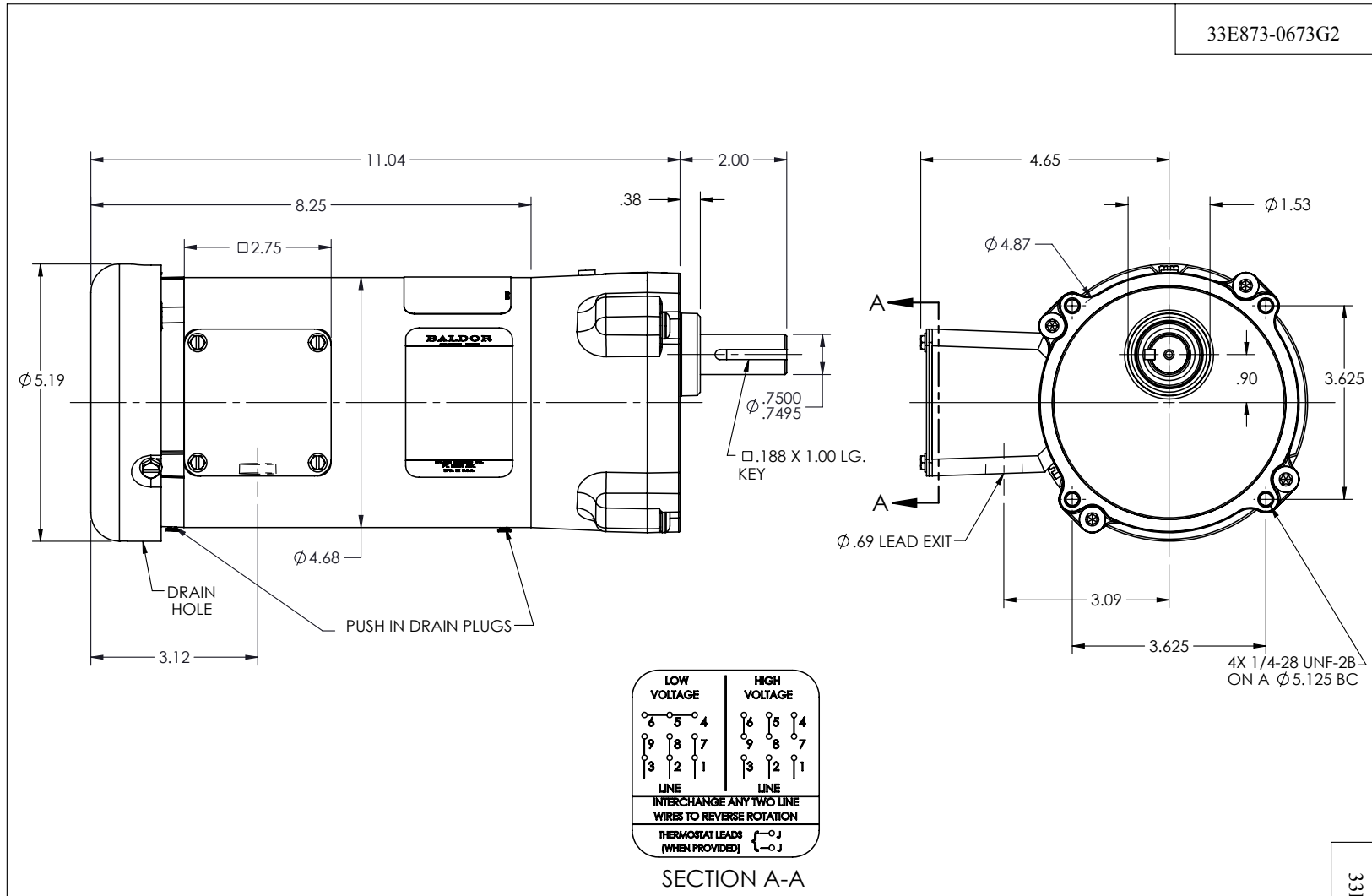
Nameplate Data				208 V, 60 Hz: Low Voltage Connection	
Rated Output (HP)	.5			Full Load Torque	293.1 OZ-IN
Volts	208			Start Configuration	direct on line
Full Load Amps	2.6			Breakdown Torque	1400 OZ-IN
R.P.M.	1725			Pull-up Torque	1190 OZ-IN
Hz	60	Phase	3	Locked-rotor Torque	1190 OZ-IN
NEMA Design Code	B	KVA Code	-	Starting Current	10.96 A
Service Factor (S.F.)	1			No-load Current	1.87 A
NEMA Nom. Eff.	71	Power Factor	54	Line-line Res. @ 25°C	28.9 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	

Load Characteristics 208 V, 60 Hz, 0.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	26	39	50	60	67	73
Efficiency	52.1	66.9	72.7	75	75.2	74.2
Speed	1780	1762	1743	1721	1694	1664
Line amperes	1.9	1.98	2.12	2.32	2.57	2.88

Performance Graph at 208V, 60Hz, 0.5HP Typical performance - Not guaranteed values





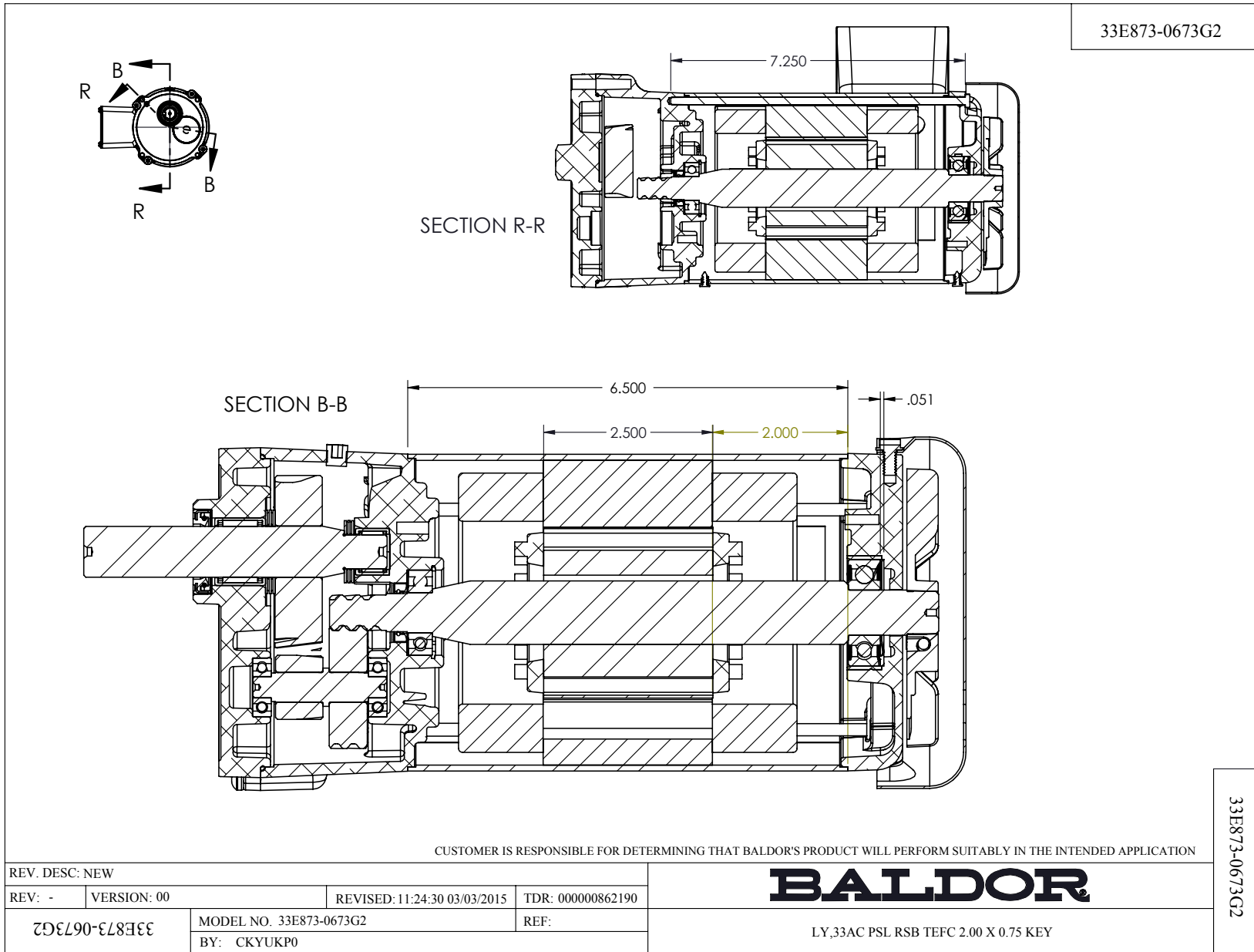
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION

REV. DESC: NEW			
REV: -	VERSION: 00	REVISED: 11:24:30 03/03/2015	TDR: 000000862190
33E873-0673G2	MODEL NO. 33E873-0673G2	REF:	
	BY: CKYUKP0		

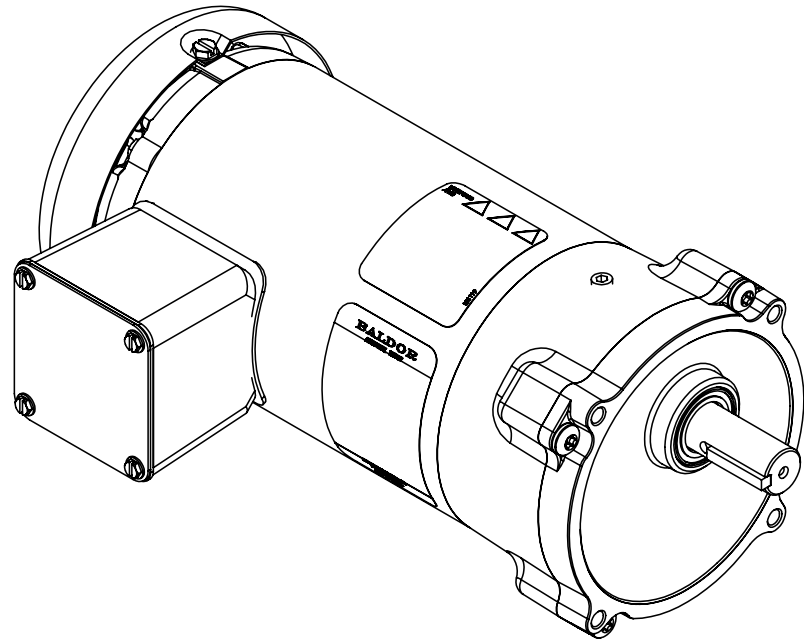
BALDOR

LY,33AC PSL RSB TEFC 2.00 X 0.75 KEY

33E873-0673G2



ITEM NO.	PART NUMBER	QTY.
1	HG0077A12	1
2	HW4600F102	1
3	BMH1714	2
4	BG6002	1
5	HW5002A95	1
6	BH1163A02	1
7	HA4021A05	1
8	HW3064E05	1
9	33SH7251B01	1
10	33RC4120-00	1
11	BG6203C03	1
12	33SA9200B96	1
13	NS2512A01	1
14	34GS1029A01	1
15	34CB3002C	1
16	51XB1016A07	2
17	11XT1032G06	1
18	34GS1031A01	1
19	34CB4517	1
20	51XT0832A07	4
21	33EP3100A01	1
22	HW5109A05	1
23	HA3100A	2
24	33FN3000	1
25	12XN0832A16	1
26	HW1003A08	1
27	XY0832A02	1
28	33FH4000A01	1
29	51XB1016A06	3
30	SG0045C03	1
31	SG0045C04	1
32	CG0012A01	1
33	RM1020A22	1
34	BH1163A03	1
35	HW4600D39	1
36	60XM2520A12	4
37	NP1220	1
38	LC0005	1
39	LB1119	1
40	BMH1910	1
41	HA4067	2



33E873-0673G2

33E873-0673G2

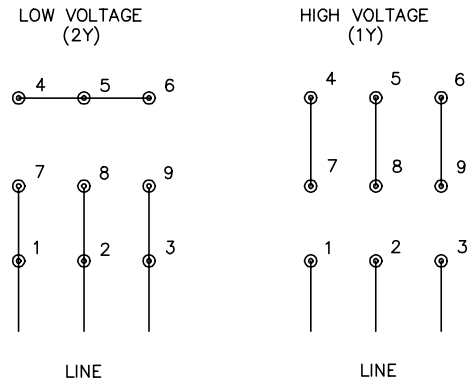
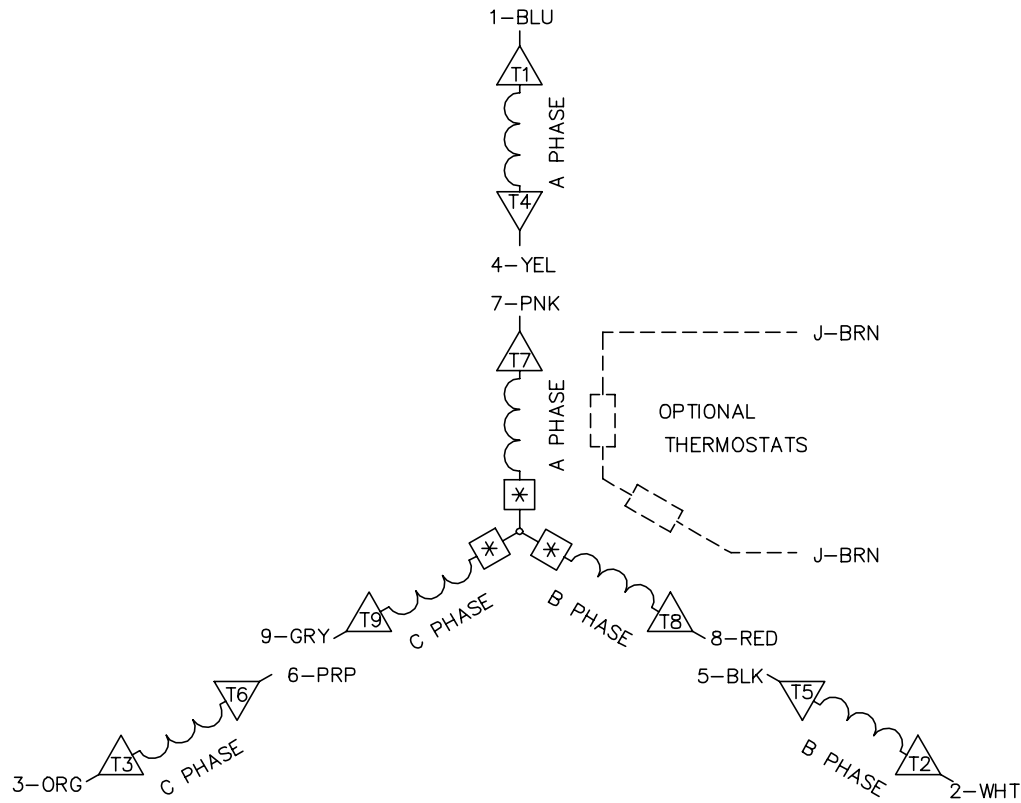
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REV. DESC: NEW			
REV: -	VERSION: 00	REVISED: 11:24:30 03/03/2015	TDR: 000000862190
33E873-0673G2		MODEL NO. 33E873-0673G2	REF:
		BY: CKYUKPO	

BALDOR

LY,33AC PSL RSB TEFC 2.00 X 0.75 KEY

CD0005A05



- NOTES:
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
 2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
 3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
 4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.
 5. =MAGNET WIRE COIL END WITH I.D. NUMBER.
 6. =MAGNET WIRE COIL END WITH I.D. SYMBOL.
 7. SEE CW PRINT FOR NEST TO NEST CROSSOVER CONNECTIONS.

REV. DESC: ADD NEST NOTE			
REV. LTR: C	VERSION: 03	TDR: 000000445597	
CD0005A05	FILE: \CKA\00024\847	REVISED: 12:51:06 11/15/2007	
	MTL: -	BY: CKMICRO	

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3PH, DV, 9 LEADS, CK

CD0005A05